Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
		RGB	82.08	0.00	40.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0,0,0	Lab	97.51	71.69	83.16	66.94	61.01	60.55	59.90	76.22	66.69	44.76	42.16
		HSV	94.19	19.83	36.95 53.50	64.89	33.21	18.14	34.44	40.41	20.47	40.49	19.26
		Average RGB	91.26 68.66	30.51 29.18	74.96	43.94 31.53	31.41 40.02	26.23 19.35	31.45 1.17	38.88 50.40	29.05 29.62	28.41 0.00	20.47 0.00
		Lab	88.90	76.32	89.23	75.54	68.26	67.90	67.93	81.13	72.71	53.36	50.13
	0,0,1	HSV	87.34	24.68	39.14	72.24	37.61	23.55	41.54	44.68	25.52	48.41	24.91
		Average	81.63	43.39	67.78	59.77	48.63	36.93	36.88	58.74	42.62	33.92	25.02
		RGB	47.94	37.89	69.90	52.26	47.21	31.06	20.10	60.42	30.46	0.00	0.00
	0,0,2	Lab	81.20	78.69	90.42	83.22	73.68	73.86	75.02	83.32	76.88	61.05	56.91
		HSV	79.68 69.61	28.97 48.52	40.36 66.89	79.14 71.54	41.26 54.05	28.49 44.47	48.40 47.84	48.06 63.93	30.03 45.79	56.33 39.13	30.12 29.01
_		Average RGB	27.20	39.62	55.19	72.95	46.72	38.60	38.04	60.67	25.90	0.00	9.21
		Lab	73.73	78.26	86.41	90.67	77.90	78.36	81.16	81.91	78.59	68.52	63.20
	0,0,3	HSV	71.86	32.60	40.52	84.98	44.02	32.84	54.89	50.40	33.89	64.23	34.76
		Average	57.60	50.16	60.71	82.86	56.21	49.94	58.03	64.32	46.13	44.25	35.72
		RGB	6.14	33.59	37.01	93.49	38.84	40.29	53.77	50.55	16.46	20.96	21.81
	0,0,4	Lab	66.71	75.50	80.76	97.56	80.21	81.00	85.68	78.08	78.04	75.54	68.78
		HSV Average	63.98 45.61	35.44 48.18	39.63 52.47	88.05 93.03	45.74 54.93	36.50 52.60	60.84 66.76	51.52 60.05	36.98 43.83	72.10 56.20	38.73 43.11
		RGB	0.00	21.84	17.94	84.63	25.57	35.68	64.15	35.27	4.08	41.76	30.57
	0.05	Lab	60.14	71.77	74.81	95.55	79.93	81.24	87.85	73.50	75.66	82.09	73.17
	0,0,5	HSV	56.08	37.39	37.73	86.35	46.32	39.33	65.96	51.36	39.18	79.92	41.87
		Average	38.74	43.67	43.49	88.84	50.61	52.08	72.65	53.38	39.64	67.93	48.54
		RGB	0.00	6.11	0.00	63.70	9.35	25.72	63.86	17.03	0.00	62.84	34.56
	0,0,6	Lab	53.35	66.78	68.43	88.85	77.81	79.24	86.36	67.85	71.74	88.86	76.87
		HSV	48.16 33.84	38.38 37.09	34.91 34.45	81.13 77.89	45.74 44.30	41.21 48.72	69.83 73.35	49.92 44.93	40.39 37.38	87.58 79.76	44.05 51.83
		Average RGB	0.00	0.00	0.00	42.88	0.00	12.52	53.55	0.00	0.00	83.35	32.48
	0.07	Lab	47.23	61.96	62.53	82.74	74.23	75.85	82.89	62.58	67.42	94.89	78.58
	0,0,7	HSV	40.24	38.35	31.28	74.46	44.02	42.06	71.94	47.31	40.56	94.35	45.15
		Average	29.16	33.44	31.27	66.69	39.42	43.48	69.46	36.63	35.99	90.86	52.07
		RGB	90.38	14.63	65.46	9.79	26.45	4.61	0.00	34.31	23.70	0.00	0.00
	0,1,0	Lab	97.68	71.55	83.19	66.70	60.73	60.57	59.81	76.20	66.84	44.53	41.99
		HSV	87.34 91.80	25.45 37.21	44.36 64.34	63.51 46.67	39.18 42.12	23.55 29.58	37.34 32.38	46.49 52.33	26.21 38.92	39.43 27.99	24.39 22.13
		Average RGB	71.39	37.21 26.61	75.90	46.67 28.79	42.12 38.02	29.58 18.78	0.00	52.33 48.83	38.92	0.00	0.00
		Lab	90.00	75.91	89.03	74.39	67.14	67.30	67.11	80.93	72.53	52.22	49.13
	0,1,1	HSV	83.07	30.69	46.87	70.52	44.05	29.37	44.81	51.28	31.69	47.20	30.46
		Average	81.49	44.40	70.60	57.90	49.74	38.48	37.31	60.34	44.98	33.14	26.53
		RGB	52.35	34.53	74.30	47.76	45.21	31.16	17.15	59.29	33.46	0.00	0.00
	0,1,2	Lab	82.51	78.18	91.55	81.81	72.70	73.55	74.06	83.25	77.19	59.67	55.96
		HSV Average	76.78 70.54	35.38 49.36	48.26 71.37	76.90 68.82	48.15 55.36	34.75 46.49	52.13 47.78	55.16 65.90	36.63 49.09	54.90 38.19	36.11 30.69
		RGB	33.24	36.82	62.06	66.55	46.18	40.57	34.61	62.06	31.37	0.00	6.81
	0.4.2	Lab	75.71	78.21	88.67	88.52	76.82	78.32	79.95	82.62	79.63	66.44	61.88
	0,1,3	HSV	69.70	39.38	48.45	81.99	51.30	39.56	59.21	57.89	40.92	62.50	41.23
		Average	59.55	51.47	66.40	79.02	58.10	52.81	57.92	67.52	50.64	42.98	36.64
		RGB	14.08	32.84	45.93	84.26	40.56	45.39	50.97	55.62	24.80	13.13	19.68
	0,1,4	Lab	69.35	76.48	83.77 47.43	94.45 84.46	79.16	81.70	84.92	79.98	80.18 44.40	72.74	67.05
		HSV Average	62.27 48.57	42.56 50.62	59.04	87.73	53.28 57.67	43.65 56.91	65.90 67.27	59.22 64.94	49.80	69.93 51.93	45.66 44.13
		RGB	0.00	23.52	28.45	88.97	29.87	44.36	64.56	42.94	14.75	32.18	30.11
	0.4.5	Lab	63.00	73.23	78.08	96.95	79.88	83.15	88.24	75.81	78.60	79.01	71.79
	0,1,5	HSV	54.66	44.77	45.26	83.12	53.96	46.86	71.94	59.03	46.91	76.99	49.23
		Average	39.22	47.17	50.60	89.68	54.57	58.12	74.91	59.26	46.75	62.73	50.38
		RGB	0.00	10.22	10.09	72.45	15.99	37.51	70.71	26.75	1.88	51.32	37.08
	0,1,6	Lab HSV	56.66	69.01 45.89	72.11 42.07	91.72 78.68	78.65 53.28	82.28 49.02	88.61 76.79	70.85 57.33	75.43 48.30	85.22 83.25	75.79 51.74
		Average	46.96 34.54	41.71	41.42	80.95	49.31	56.27	78.70	51.64	41.87	73.26	54.87
		RGB	0.00	0.00	0.00	53.58	0.15	26.67	65.53	9.48	0.00	69.30	38.71
	0,1,7	Lab	50.76	64.51	66.45	86.01	76.01	79.68	86.08	65.82	71.54	90.81	78.47
	0,1,7	HSV	39.19	45.85	38.02	72.60	51.30	49.99	79.59	54.29	48.49	87.42	53.02
		Average	29.98	36.79	34.82	70.73	42.49	52.11	77.07	43.20	40.01	82.51	56.74
		RGB	91.37	13.63	65.06	8.78 66.71	25.49	4.19	0.00	33.60	23.81	0.00	0.00
	0,2,0	Lab HSV	97.69 79.68	71.24 30.60	83.21 51.61	66.71 60.55	60.97 44.65	60.54 28.49	59.65 39.32	75.85 52.01	66.71 31.51	44.53 37.38	42.11 28.99
		Average	89.58	38.49	66.63	45.35	43.71	31.07	32.99	53.82	40.68	27.30	23.70
		RGB	74.02	23.98	76.45	26.02	35.92	18.09	0.00	47.11	31.68	0.00	0.00
	0,2,1	Lab	90.85	75.21	88.87	73.47	66.48	66.83	66.31	80.34	72.28	51.30	48.46
		HSV	76.78	36.27	54.52	66.92	50.05	34.75	47.07 37.79	57.42	37.45	44.86	35.49
		Average RGB	80.55 56.57	45.15 30.94	73.28 78.36	55.47 43.17	50.82 42.80	39.89 30.89	14.00	61.62 57.56	47.14 36.20	32.05 0.00	27.99 0.00
	0.2.2	Lab	83.99	77.71	92.24	80.15	71.41	72.84	72.85	83.14	77.14	58.05	54.66
	0,2,2	HSV	71.86	41.40	56.15	72.45	54.70	40.61	54.75	61.92	42.89	52.18	41.63
		Average	70.81	50.02	75.58	65.26	56.30	48.11	47.20	67.54	52.08	36.75	32.10
		RGB	39.03	33.34	68.82	59.93	44.69	41.77	30.66	62.15	36.56	0.00	3.97
	0,2,3	Lab	77.60	77.91	90.87	86.28	75.54	78.00	78.54	83.02	80.42	64.32	60.45
		HSV Average	65.78 60.80	45.85 52.37	56.38 72.02	76.56 74.26	58.33 59.52	45.94 55.24	62.33 57.18	65.17 70.11	47.69 54.89	59.27 41.20	47.28 37.23
		RGB	21.38	30.64	54.43	75.33	41.02	49.38	46.82	58.76	32.61	5.38	16.96
	0,2,4	Lab	71.44	76.65	86.40	91.74	78.16	82.17	83.73	81.03	81.98	70.31	65.66
	0,2,4	HSV	59.06	49.43	55.17	78.40	60.67	50.55	69.70	66.80	51.65	65.98	52.27
		Average	50.63	52.24	65.33	81.82	59.95	60.70	66.75	68.86	55.42	47.23	44.96
		RGB	3.64	23.31	38.42	84.18	32.62	52.03	61.69	48.85	24.96	22.57	28.32
	0,2,5	Lab HSV	65.54 51.96	74.20 51.95	81.09 52.64	95.33 77.42	79.28 61.48	84.56 54.24	87.78 76.70	77.68 66.56	81.30 54.56	76.05 72.03	70.25 56.38
		Average	40.38	49.82	52.64	85.64	57.79	63.61	75.39	64.36	54.56	72.03 56.89	51.65
		RGB	0.00	12.45	21.71	76.74	20.91	48.82	72.87	35.27	14.55	39.30	37.05
	0,2,6	Lab	59.82	70.77	75.78	93.19	78.71	85.22	89.87	73.55	79.30	81.38	74.24
	0,2,0	HSV	44.63	53.24	48.99	73.93	60.67	56.77	82.85	64.50	56.20	76.91	59.33
		Average	34.82	45.49	48.83	81.29	53.43	63.60	81.86	57.77	50.01	65.86	56.87
		RGB	0.00	0.00	4.62	61.39	7.08	40.62	74.63	19.80	2.19	54.93	41.89
	0,2,7	Lab HSV	54.35 37.15	66.83 53.20	70.55 44.43	88.61 68.76	76.98 58.33	83.79 57.93	88.92 86.90	69.05 60.90	76.13 56.42	86.26 79.73	77.46 60.86
		Average	37.15	40.01	39.87	72.92	47.46	60.78	83.48	49.92	44.91	79.73	60.07
		RGB	92.29	12.62	64.63	7.75	24.53	3.76	0.00	32.87	23.90	0.00	0.00
	030	Lab	98.12	71.24	82.81	66.25	60.33	60.17	59.38	75.87	66.49	44.07	41.57
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Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
	0,5,0	HSV	71.86	35.19	58.61 68.68	56.32	49.47 44.78	32.84	40.31	56.78	36.26	34.42	32.97
		Average RGB	87.42 76.49	39.69 21.32	76.57	43.44 23.23	33.74	32.26 17.29	33.23 0.00	55.17 45.27	42.22 32.52	26.17 0.00	24.85 0.00
	0,3,1	Lab	91.76	74.59	88.59	72.27	65.31	66.32	65.49	79.98	72.21	50.14	47.49
	0,3,1	HSV	69.70	41.30	62.04	61.98	55.44	39.56	48.20	62.87	42.69	41.52	39.90
		Average RGB	79.31 60.55	45.74 27.14	75.73 81.85	52.49 38.49	51.50 40.03	41.06 30.26	37.90 10.69	62.71 55.30	49.14 38.65	30.55 0.00	29.13 0.00
	0,3,2	Lab	85.34	76.99	92.82	78.42	70.02	72.21	71.63	82.82	77.21	56.40	53.40
	0,5,2	HSV	65.78	46.92	64.01	66.68	60.72	45.94 49.47	56.08	68.13	48.68	48.37	46.54
		Average RGB	70.55 44.46	50.35 29.28	79.56 75.37	61.20 53.18	56.92 42.33	42.17	46.13 26.28	68.75 60.93	54.85 41.38	34.92 0.00	33.31 0.73
	0,3,3	Lab	79.13	77.43	92.83	84.15	74.09	77.68	77.25	83.19	81.18	62.37	59.08
	3,5,5	HSV	60.63 61.41	51.87 52.86	64.29 77.49	69.98 69.11	64.97 60.46	51.85 57.23	63.93 55.82	72.10 72.07	54.08 58.88	54.86 39.08	52.77 37.53
		Average RGB	28.51	27.41	62.88	66.03	39.78	51.99	41.51	60.41	40.45	0.00	13.06
	0,3,4	Lab	73.58	76.60	89.15	88.71	76.59	82.16	82.10	81.91	83.67	67.58	63.86
	.,,	HSV Average	54.66 52.25	55.94 53.32	62.83 71.62	71.40 75.38	67.79 61.39	57.09 63.74	71.73 65.11	74.15 72.16	58.65 60.92	60.81 42.80	58.42 45.11
		RGB	12.14	21.63	48.23	74.92	33.39	58.36	56.29	53.32	35.38	12.39	24.67
	0,3,5	Lab	68.06	74.77	84.26	92.02	77.86	85.66	86.52	79.35	84.33	72.70	68.25
		HSV Average	48.16 42.79	58.86 51.75	59.82 64.10	70.65 79.20	68.78 60.01	61.40 68.47	79.40 74.07	73.85 68.84	62.09 60.60	65.92 50.34	63.20 52.04
		RGB	0.00	12.65	32.77	74.25	23.77	59.25	69.34	42.06	27.16	27.03	34.49
	0,3,6	Lab	62.55	71.73	79.12	92.26	78.08	87.72	89.49	75.56	83.08	77.63	72.47
		HSV Average	41.30 34.62	60.38 48.25	55.57 55.82	67.89 78.13	67.79 56.55	64.44 70.47	86.75 81.86	71.26 62.96	64.07 58.10	69.79 58.15	66.76 57.90
		RGB	0.00	1.28	16.88	64.38	11.89	54.18	77.15	28.48	16.61	40.47	41.51
	0,3,7	Lab	57.48	68.31	74.27	89.44	77.06	87.65	90.06	71.57	80.64	81.81	75.87
		HSV Average	34.20 30.56	60.33 43.30	50.40 47.19	63.57 72.46	64.97 51.31	65.85 69.23	92.71 86.64	66.92 55.65	64.35 53.87	71.89 64.72	68.65 62.01
		RGB	92.88	11.74	64.43	72.46	24.00	3.54	0.00	32.20	23.96	0.00	0.00
	0,4,0	Lab	98.08	71.09	82.92	66.25	60.41	60.26	59.36	75.77	66.59	44.07	41.65
		HSV Average	63.98 84.98	39.09 40.64	65.19 70.84	51.16 41.48	53.41 45.94	36.50 33.43	40.24 33.20	60.50 56.15	40.32 43.62	30.68 24.92	36.20 25.95
		RGB	78.75	18.61	76.27	20.40	31.47	16.39	0.00	43.30	33.23	0.00	0.00
	0,4,1	Lab	92.35	73.72	88.39	71.30	64.58	65.93	64.68	79.28	72.10	49.19	46.85
		HSV Average	62.27 77.79	45.63 45.98	69.35 78.00	56.14 49.28	59.97 52.01	43.65 41.99	48.13 37.60	67.28 63.29	47.24 50.86	37.35 28.85	43.52 30.12
		RGB	64.19	23.17	84.38	33.74	36.94	29.28	7.23	52.59	40.77	0.00	0.00
	0,4,2	Lab	86.28	76.00	93.20	76.86	68.82	71.76	70.50	82.19	77.37	54.93	52.37
		HSV Average	59.06 69.84	51.75 50.31	71.83 83.14	60.15 56.92	65.94 57.23	50.55 50.53	55.99 44.57	73.40 69.40	53.83 57.32	43.69 32.87	50.65 34.34
		RGB	49.69	24.73	81.56	46.02	38.81	41.55	21.35	58.68	45.97	0.00	0.00
	0,4,3	Lab	80.67	76.75	94.54	81.70	72.21	77.00	75.67	83.15	81.73	60.13	57.38
		HSV Average	54.66 61.67	57.26 52.91	72.18 82.76	62.87 63.53	70.95 60.66	57.09 58.55	63.82 53.62	78.31 73.38	59.91 62.54	49.57 36.57	57.48 38.29
		RGB	34.75	23.08	70.58	57.07	37.42	53.09	35.51	59.64	47.55	0.00	8.81
	0,4,4	Lab	75.10	76.11	91.30	86.05	74.98	81.96	80.52	82.19	85.03	65.24	62.28
		HSV Average	49.40 53.08	61.90 53.70	70.33 77.40	64.00 69.04	74.42 62.27	63.08 66.04	71.59 62.54	81.02 74.29	65.24 65.94	54.82 40.02	63.85 44.98
		RGB	19.89	18.34	57.30	64.53	32.21	62.49	49.07	55.34	45.57	2.05	19.68
	0,4,5	Lab	69.87	74.45	86.77	88.64	76.17	86.29	84.68	80.04	87.11	69.65	66.44
		HSV Average	43.50 44.42	65.32 52.70	66.63 70.23	63.41 72.19	75.68 61.35	68.19 72.32	79.21 70.99	80.61 72.00	69.41 67.36	59.18 43.62	69.48 51.87
		RGB	4.60	10.81	42.93	66.44	24.34	67.92	61.66	46.44	39.67	14.61	29.67
	0,4,6	Lab	64.73	71.86	81.95	89.47	76.66	89.61	87.81	76.79	86.92	73.89	70.45
		HSV Average	37.15 35.49	67.13 49.93	61.63 62.17	61.15 72.36	74.42 58.47	71.95 76.49	86.45 78.64	77.24 66.82	71.90 66.16	62.35 50.28	73.87 58.00
		RGB	0.00	0.92	28.26	61.27	14.33	67.18	70.98	34.75	31.11	25.77	37.78
	0,4,7	Lab	59.81	68.76	77.22	88.00	76.06	91.07	89.21	73.11	85.03	77.55	73.90
		HSV Average	30.47 30.09	67.07 45.58	55.75 53.74	57.51 68.93	70.95 53.78	73.77 77.34	92.18 84.12	71.95 59.94	72.25 62.80	64.01 55.77	76.33 62.67
		RGB	93.64	10.73	63.94	6.01	23.02	3.08	0.00	31.45	24.02	0.00	0.00
	0,5,0	Lab	98.31	70.93	82.62	65.78	59.85	59.97	59.06	75.67	66.45	43.61	41.19
		HSV Average	56.08 82.67	42.15 41.27	71.07 72.54	45.32 39.04	56.25 46.37	39.33 34.13	39.13 32.73	62.87 56.66	43.55 44.67	26.26 23.29	38.56 26.58
		RGB	80.73	15.86	75.55	17.55	29.12	15.38	0.00	41.23	33.80	0.00	0.00
	0,5,1	Lab HSV	92.75 54.66	73.29 49.08	87.86 76.24	70.29 49.72	63.48 63.32	65.44 46.86	64.04 46.85	79.03 70.18	71.97 50.92	48.23 32.50	45.97 46.21
		Average	76.05	49.08	76.24	49.72 45.85	51.97	45.86	46.85 36.96	70.18 63.48	50.92	32.50 26.91	30.72
		RGB	67.38	19.05	85.44	28.94	33.59	27.96	3.63	49.51	42.53	0.00	0.00
	0,5,2	Lab HSV	86.89 51.96	74.95 55.67	93.25 79.55	75.52 53.18	67.86 69.94	71.34 54.24	69.45 54.49	81.39 77.07	77.42 58.08	53.68 38.33	51.55 53.74
		Average	68.74	49.89	79.55 86.08	52.55	57.13	51.18	42.52	69.32	59.34	30.67	35.10
		RGB	54.02	19.76	86.50	39.14	35.00	40.28	16.29	55.21	49.72	0.00	0.00
	0,5,3	Lab HSV	81.48 48.16	75.68 61.74	95.51 80.03	79.59 55.47	70.60 75.76	76.56 61.40	74.29 62.01	82.58 83.00	82.30 64.90	58.27 43.65	56.08 61.12
		Average	61.22	52.40	87.35	58.07	60.45	59.41	50.86	73.59	65.64	33.97	39.07
		RGB	40.45	17.94	77.35	47.77	33.51	52.35	28.74	57.13	54.34	0.00	3.53
	0,5,4	Lab HSV	76.23 43.50	74.92 67.01	93.13 77.52	83.13 56.41	73.13 80.05	81.66 68.19	78.59 69.31	81.72 86.64	86.42 71.14	62.74 48.30	60.69 68.21
		Average	53.39	53.29	82.67	62.44	62.23	67.40	58.88	75.16	70.63	37.01	44.15
		RGB	26.43	13.61	64.91	54.08 85.40	29.46	63.87	40.88	54.37	55.02	0.00	14.00
	0,5,5	Lab HSV	71.16 38.16	73.40 71.02	88.67 72.83	85.40 55.92	74.46 81.70	86.34 74.30	82.36 76.20	79.82 86.06	89.47 76.32	66.74 52.06	64.75 74.79
		Average	45.25	52.68	75.47	65.13	61.87	74.84	66.48	73.42	73.60	39.60	51.18
		RGB	12.51	6.82	51.77	55.86	22.64	73.33	51.49	47.61	52.16	1.89	23.07
	0,5,6	Lab HSV	66.30 32.31	71.14 73.22	84.06 66.87	86.02 54.03	74.77 80.05	90.46 79.13	85.18 82.18	77.06 81.66	90.66 79.64	70.22 54.73	68.33 80.34
		Average	37.04	50.39	67.57	65.30	59.15	80.97	72.95	68.77	74.16	42.28	57.25
		RGB	0.00	0.00	37.97	53.22	13.77	77.43	60.21	38.27	45.69	10.91	30.51
	0,5,7	Lab HSV	61.72 26.06	68.40 73.14	79.63 60.21	85.18 50.92	74.37 75.76	93.45 81.65	86.64 86.02	73.80 75.41	89.52 80.13	73.16 56.10	71.48 83.75
		Average	29.26	47.18	59.27	63.11	54.63	84.17	77.63	62.49	71.78	46.72	61.91
		RGB	94.05	9.85	63.69	5.29	22.49	2.85	0.00	30.77	24.05	0.00	0.00
	0,6,0	Lab HSV	98.31 48.16	70.93 44.23	82.62 75.75	65.78 39.01	59.85 57.76	59.97 41.21	59.06 37.02	75.67 63.62	66.45 45.80	43.61 21.29	41.19 39.96
		Average	80.17	41.67	74.02	36.69	46.70	34.68	32.03	56.68	45.43	21.63	27.05
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Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
		RGB Lab	82.15 93.20	13.20 72.96	74.76 87.29	15.00 69.59	27.16 62.81	14.50 64.88	0.00 63.45	39.12 78.70	34.17 71.55	0.00 47.54	0.00 45.30
	0,6,1	HSV	46.96	51.46	82.23	42.92	65.14	49.02	44.45	71.12	53.53	27.10	47.81
		Average	74.10	45.87	81.43	42.50	51.70	42.80	35.97	62.98	53.08	24.88	31.04
		RGB	69.99	14.81	84.73	24.10	30.00	26.33	0.00	46.10	43.88	0.00	0.00
	0,6,2	Lab HSV	87.23 44.63	73.89 58.43	92.89 86.97	74.10 45.94	66.72 72.20	70.89 56.77	68.41 51.72	80.57 78.31	77.46 61.16	52.38 32.47	50.64 55.62
		Average	67.28	49.04	88.20	48.05	56.30	51.33	40.04	68.33	60.84	28.28	35.42
		RGB	57.56	14.47	88.78	32.22	30.64	38.26	10.97	50.95	52.73	0.00	0.00
	0,6,3	Lab	81.85	73.99	96.00	77.66	69.46	76.21	72.74	81.20	82.68	56.58	55.17
	.,.,.	HSV	41.30	64.98	87.76	47.91	78.62	64.44	58.73	84.71	68.65	37.29	63.37
		Average RGB	60.24 44.87	51.15 12.10	90.85 81.73	52.60 38.81	59.57 28.90	59.64 50.20	47.48 21.70	72.29 52.78	68.02 59.91	31.29 0.00	39.51 0.00
	0.6.4	Lab	76.90	73.43	93.95	80.46	71.40	81.05	76.60	80.71	87.23	60.42	59.22
	0,6,4	HSV	37.15	70.82	83.98	48.71	83.64	71.95	65.33	88.90	75.83	41.42	71.01
		Average	52.97	52.12	86.55	55.99	61.31	67.74	54.54	74.13	74.32	33.95	43.41
		RGB Lab	32.00 71.77	7.47 71.75	70.53 89.51	42.92 82.02	24.83 72.39	61.98 85.92	31.54 79.84	50.75 78.82	64.22 91.59	0.00 63.85	7.04 63.01
	0,6,5	HSV	32.31	75.45	77.88	48.29	85.70	79.13	71.24	88.21	82.34	44.72	78.42
		Average	45.36	51.55	79.31	57.74	60.97	75.68	60.87	72.59	79.38	36.19	49.49
		RGB	18.81	1.34	58.01	44.33	18.64	72.82	40.50	45.70	64.14	0.00	14.97
	0,6,6	Lab	67.08	69.59	85.10	82.56	72.80	90.26	82.18	76.25	93.99	66.88	66.42
		HSV Average	26.92 37.61	78.08 49.67	70.87 71.32	46.68 57.86	83.64 58.36	85.49 82.86	75.95 66.21	83.23 68.39	87.13 81.75	47.01 37.97	85.28 55.56
		RGB	5.38	0.00	44.95	42.44	10.67	80.68	47.57	37.94	59.54	0.00	21.51
	0,6,7	Lab	62.59	66.98	80.74	81.82	72.37	93.87	83.38	73.21	93.40	69.30	69.31
	0,0,7	HSV	21.10	77.99	63.47	43.97	78.62	89.43	78.65	76.56	87.92	48.18	90.28
		Average RGB	29.69 94.52	48.33 8.83	63.05 63.15	56.08 4.26	53.89 21.50	87.99 2.38	69.87 0.00	62.57 30.00	80.29 24.08	39.16 0.00	60.37 0.00
		Lab	98.48	70.78	82.42	65.56	59.65	59.77	58.84	75.50	66.27	43.39	40.98
	0,7,0	HSV	40.24	45.23	78.42	32.35	57.81	42.06	34.02	62.66	46.94	15.86	40.33
		Average	77.75	41.61	74.66	34.05	46.32	34.73	30.95	56.05	45.77	19.75	27.10
		RGB	83.32	10.39	73.36	12.11	24.69	13.31	0.00	36.88	34.47	0.00	0.00
	0,7,1	Lab HSV	93.52 39.19	72.44 52.62	86.83 86.10	68.87 35.85	62.20 65.20	64.40 49.99	62.82 41.07	78.21 69.92	71.21 54.86	46.84 21.26	44.72 48.23
		Average	72.01	45.15	82.09	38.94	50.70	42.57	34.63	61.67	53.51	22.70	30.98
		RGB	71.84	10.45	82.46	19.23	26.21	24.39	0.00	42.44	44.81	0.00	0.00
	0,7,2	Lab	87.55	73.16	91.98	72.73	65.42	70.18	67.42	80.02	77.21	51.11	49.56
		HSV	37.15	59.78	93.13	38.52	72.27	57.93	47.86	76.72	62.77	26.21	56.11
		Average RGB	65.51 60.07	47.80 8.90	89.19 86.93	43.49 25.28	54.63 25.83	50.83 35.56	38.43 5.45	66.40 46.09	61.60 54.88	25.77 0.00	35.22 0.00
	0.7.2	Lab	81.95	72.96	95.05	76.00	68.07	75.65	71.58	80.41	82.81	55.14	54.11
	0,7,3	HSV	34.20	66.59	94.75	40.25	78.71	65.85	54.28	82.54	70.66	30.59	63.96
		Average	58.74	49.48	92.24	47.17	57.54	59.02	43.77	69.68	69.45	28.58	39.36
		RGB Lab	48.04 76.88	5.40 71.79	82.20 93.45	29.60 78.12	23.43 69.77	46.68 80.51	14.10 74.85	46.88 79.40	64.18 87.81	0.00 58.48	0.00 58.02
	0,7,4	HSV	30.47	72.78	88.42	40.95	83.76	73.77	60.14	86.06	78.51	34.30	71.77
		Average	51.80	49.99	88.02	49.55	58.99	66.98	49.70	70.78	76.83	30.93	43.26
		RGB	35.86	0.60	72.18	31.91	18.78	57.14	21.98	45.27	71.86	0.00	0.00
	0,7,5	Lab	71.99	70.26	89.46	79.42	70.65	85.06	77.71	77.71	92.51	61.56	61.53
		HSV Average	26.06 44.64	77.81 49.56	80.84 80.83	40.58 50.64	85.84 58.42	81.65 74.62	65.16 54.95	85.51 69.49	86.24 83.54	37.22 32.93	79.45 46.99
		RGB	23.26	0.00	60.66	32.25	12.75	66.94	28.91	40.87	75.23	0.00	5.83
	0,7,6	Lab	67.36	68.09	85.22	79.65	70.85	89.13	79.62	75.22	96.28	64.12	64.63
	0,7,0	HSV	21.10	80.77	73.05	39.17	83.76	89.43	68.93	81.23	93.42	39.24	86.83
		Average	37.24 10.40	49.62 0.00	72.98 48.37	50.36	55.79	81.83 74.27	59.15	65.78	88.31 72.56	34.45	52.43
		RGB Lab	62.73	65.61	80.72	30.14 78.81	5.18 70.10	92.30	34.14 80.74	34.13 72.36	96.25	0.00 66.22	11.03 67.17
	0,7,7	HSV	15.68	80.67	65.19	36.78	78.71	96.39	70.97	75.09	95.15	40.25	92.86
		Average	29.60	48.76	64.76	48.58	51.33	87.65	61.95	60.52	87.99	35.49	57.02
		RGB	89.35	15.63	65.82	10.81	27.41	5.02	0.00	35.01	23.57	0.00	0.00
	1,0,0	Lab HSV	97.27 92.82	71.69 19.09	83.47 36.99	67.17 65.77	61.29 33.76	60.84 18.15	60.10 34.14	76.28 39.81	66.96 20.36	44.98 40.34	42.45 19.43
		Average	93.15	35.47	62.09	47.91	40.82	28.00	31.41	50.37	36.96	28.44	20.63
		RGB	68.35	29.24	75.03	31.84	40.46	19.53	1.34	50.33	29.49	0.00	0.00
	1,0,1	Lab	88.68	76.42	89.34	75.77	68.44	68.08	68.13	81.23	72.85	53.59	50.34
	1	HSV	86.66 81.23	23.89 43.18	39.19 67.85	73.36 60.32	38.20 49.03	23.56 37.05	41.20 36.89	44.02 58.53	25.40 42.58	48.24 33.94	25.09 25.14
		Average RGB	47.33	37.83	69.60	52.88	49.03	31.29	20.36	59.93	30.01	0.00	0.00
	1,0,2	Lab	80.75	78.33	90.32	83.69	74.34	74.13	75.17	82.83	76.86	61.51	57.47
	2,0,2	HSV	79.25	28.13	40.41	80.65	41.88	28.50	48.01	47.37	29.90	56.12	30.31
		Average	69.11	48.10	66.78 54.48	72.41 73.91	54.74	44.64	47.85	63.38	45.59	39.21	29.26
		RGB Lab	26.29 73.27	39.21 77.66	54.48 86.29	73.91 91.14	47.51 78.53	38.68 78.80	38.25 81.28	59.48 81.29	25.01 78.73	0.76 68.97	10.21 63.86
	1,0,3	HSV	71.55	31.71	40.57	87.15	44.67	32.85	54.45	49.67	33.75	63.98	34.97
		Average	57.04	49.53	60.45	84.07	56.90	50.11	57.99	63.48	45.83	44.57	36.35
	l	RGB	5.24	32.93	36.20	94.57	39.21	40.05	53.65	49.22	15.45	21.87	22.73
	1,0,4	Lab HSV	66.26 63.74	75.01 34.52	80.42 39.68	98.05 90.94	80.59 46.41	81.14 36.51	85.66 60.33	77.55 50.78	77.89 36.84	75.99 71.79	69.30 38.94
	I	Average	45.08	47.49	52.10	94.52	55.40	52.57	66.55	59.18	43.39	56.55	43.66
		RGB	0.00	20.51	16.52	83.32	25.66	34.82	63.01	33.09	2.29	43.29	31.85
	1,0,5	Lab	59.24	70.64	74.01	94.75	80.53	81.07	87.09	72.29	74.99	82.99	74.20
		HSV	55.88 38.37	36.44	37.78	88.80 88.96	47.00	39.34	65.38	50.62	39.03	79.49	42.10
		Average RGB	0.00	42.53 4.67	42.77 0.00	62.27	51.06 9.07	51.75 24.55	71.83 61.89	52.00 14.95	38.77 0.00	68.59 64.37	49.38 35.42
	1,0,6	Lab	52.67	65.80	67.81	88.20	78.18	78.90	85.36	66.85	71.10	89.52	77.69
	1,0,0	HSV	47.99	37.41	34.96	82.81	46.41	41.22	69.18	49.20	40.24	86.88	44.29
		Average	33.55	35.96	34.26	77.76	44.55	48.23	72.14	43.67	37.11	80.26	52.47
		RGB Lab	0.00 46.33	0.00 60.76	0.00 61.66	41.14 81.87	0.00 74.37	10.90 75.16	50.93 81.54	0.00 61.34	0.00 66.46	85.22 95.77	32.91 79.37
	1,0,7	HSV	46.33	37.38	31.33	75.68	74.37 44.67	75.16 42.07	71.23	46.62	40.41	95.77	79.37 45.40
		Average	28.81	32.71	31.00	66.23	39.68	42.71	67.90	35.99	35.62	91.32	52.56
		RGB	90.08	14.76	65.70	10.10	26.90	4.83	0.00	34.36	23.66	0.00	0.00
	1,1,0	Lab	97.47	71.39	83.39	66.94	61.17	60.74	59.87	76.01	66.88	44.75	42.32
		HSV Average	86.66 91.40	24.65 36.93	44.42 64.50	64.35 47.13	39.78 42.62	23.56 29.71	37.02 32.30	45.82 52.06	26.09 38.88	39.29 28.01	24.57 22.30
		RGB	70.50	26.81	76.22	29.72	39.36	19.33	0.00	48.68	30.34	0.00	0.00
	111	Lab	89.54	75.58	89.48	74.86	67.89	67.75	67.32	80.57	72.77	52.67	49.77

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
	1,1,1	HSV	82.56 80.87	29.83 44.07	46.92 70.88	71.56 58.71	44.70 50.65	29.38 38.82	44.45 37.26	50.54 59.93	31.56 44.89	47.03 33.23	30.65 26.81
		Average RGB	50.55	34.46	73.54	49.63	47.62	31.95	18.01	58.06	32.16	0.00	0.00
	1,1,2	Lab	81.61	77.43	91.35	82.76	74.17	74.03	74.27	82.20	77.03	60.58	57.10
	,,_	HSV Average	76.40 69.52	34.46 48.78	48.32 71.07	78.25 70.22	48.86 56.88	34.76 46.91	51.71 48.00	54.36 64.87	36.49 48.56	54.71 38.43	36.32 31.14
		RGB	30.55	35.88	59.96	69.40	48.87	41.05	35.45	58.82	28.75	0.00	9.94
	1,1,3	Lab	74.35	76.91	87.81	89.92	78.63	79.02	80.22	80.98	79.34	67.80	63.54
		HSV Average	69.41 58.10	38.40 50.40	48.51 65.43	83.76 81.03	52.05 59.85	39.57 53.21	58.72 58.13	57.03 65.61	40.77 49.62	62.27 43.36	41.45 38.31
		RGB	10.80	30.84	42.99	87.73	42.43	44.88	51.04	50.91	21.07	16.50	23.34
	1,1,4	Lab	67.54	74.38	82.26	96.29	81.35	82.12	84.56	77.51	79.16	74.54	69.29
		HSV Average	62.03 46.79	41.52 48.91	47.48 57.58	86.55 90.19	54.06 59.28	43.66 56.89	65.32 66.97	58.34 62.25	44.24 48.16	69.63 53.56	45.90 46.18
		RGB	0.00	20.25	24.51	87.27	30.70	42.29	62.44	36.91	9.65	36.51	34.30
	1,1,5	Lab	60.96	70.60	76.27	95.86	81.82	82.94	86.62	72.92	76.99	81.01	74.36
		HSV Average	54.47 38.48	43.69 44.85	45.31 48.70	85.02 89.39	54.76 55.76	46.87 57.37	71.23 73.43	58.15 55.99	46.74 44.46	76.61 64.71	49.49 52.72
		RGB	0.00	6.28	5.76	68.74	15.68	34.18	65.37	20.53	0.00	56.00	40.63
	1,1,6	Lab HSV	54.60	66.19	70.28 42.12	89.85	79.94	81.55 49.03	85.91	67.91	73.62 48.13	87.14 82.73	78.43
		Average	46.79 33.80	44.79 39.09	39.39	80.15 79.58	54.06 49.90	54.92	75.94 75.74	56.48 48.31	48.13	75.29	52.02 57.02
		RGB	0.00	0.00	0.00	48.74	0.00	21.89	57.47	2.30	0.00	74.85	41.29
	1,1,7	Lab HSV	48.26 39.04	61.30 44.75	64.10 38.07	83.63 73.73	76.49 52.05	78.06 50.01	82.63 78.64	62.49 53.50	69.10 48.32	92.99 86.73	81.04 53.31
		Average	29.10	35.35	34.06	68.70	42.84	49.99	72.91	39.43	39.14	84.86	58.55
		RGB	90.77	13.89	65.55	9.39	26.40	4.63	0.00	33.70	23.74	0.00	0.00
	1,2,0	Lab HSV	97.69 79.25	71.24 29.75	83.21 51.67	66.71 61.33	60.97 45.31	60.54 28.50	59.65 38.99	75.85 51.26	66.71 31.38	44.53 37.24	42.11 29.18
		Average	79.25 89.24	38.29	66.81	45.81	45.31	31.22	32.88	53.61	40.61	27.26	23.77
		RGB	72.23	24.44	77.30	27.88	38.61	19.24	0.00	46.90	30.99	0.00	0.00
	1,2,1	Lab HSV	89.69 76.40	74.93 35.34	89.85 54.58	74.61 67.85	67.96 50.79	67.87 34.76	67.04 46.70	80.05 56.58	72.94 37.31	52.43 44.70	49.84 35.70
		Average	79.44	44.90	73.91	56.78	52.45	40.62	37.91	61.18	47.08	32.37	28.51
		RGB	53.60	31.00	77.43	46.28	46.93	32.39	15.54	55.90	34.15	0.00	0.00
	1,2,2	Lab HSV	82.38 71.55	76.48 40.39	92.72 56.22	81.75 73.58	73.77 55.51	74.16 40.62	73.50 54.32	81.65 60.98	77.57 42.74	59.62 52.00	56.75 41.86
		Average	69.18	49.29	75.46	67.20	58.74	49.06	47.79	66.18	51.49	37.21	32.87
		RGB	34.88	32.31	65.67	64.33	49.29	42.97	32.25	57.78	32.56	0.00	9.01
	1,2,3	Lab HSV	75.34 65.52	75.97 44.75	89.51 56.44	88.54 77.89	78.58 59.21	79.37 45.95	79.16 61.80	80.53 64.15	80.15 47.52	66.56 59.06	63.23 47.53
		Average	58.58	51.01	70.54	76.92	62.36	56.10	57.74	67.48	53.41	41.87	39.92
		RGB	16.07	28.03	49.66	80.70	44.84	49.24	47.66	51.60	26.48	10.93	23.34
	1,2,4	Lab HSV	68.74 58.84	73.78 48.26	84.14 55.24	94.23 79.85	81.54 61.60	83.17 50.57	83.59 69.05	77.53 65.72	80.67 51.47	73.00 65.72	69.06 52.55
		Average	47.88	50.02	63.01	84.93	62.66	60.99	66.77	64.95	52.87	49.88	48.32
		RGB	0.00	18.97	32.28	85.99	34.86	49.46	60.08	39.70	16.81	29.40	35.75
	1,2,5	Lab HSV	62.36 51.77	70.30 50.72	78.28 52.71	95.40 78.80	82.61 62.43	84.74 54.26	85.93 75.86	73.27 65.49	78.94 54.36	79.11 71.72	74.39 56.69
		Average	38.05	46.66	54.42	86.73	59.97	62.82	73.96	59.49	50.04	60.08	55.61
		RGB Lab	0.00 56.21	6.45	14.30 72.43	72.54 90.66	21.38 81.32	43.47 84.00	65.91 85.81	24.69 68.55	4.58 75.91	47.39 84.79	44.82 78.93
	1,2,6	HSV	44.47	51.98	49.05	75.12	61.60	56.79	81.72	63.49	55.99	76.52	59.66
		Average	33.56	41.54	45.26	79.44	54.77	61.42	77.81	52.24	45.50	69.57	61.14
		RGB Lab	0.00 50.06	0.00 61.46	0.00 66.46	54.65 84.89	5.83 78.45	32.84 81.04	61.85 83.10	8.01 63.32	0.00 71.72	64.04 89.90	48.63 82.53
	1,2,7	HSV	37.00	51.94	44.49	69.75	59.21	57.95	85.45	59.98	56.22	79.29	61.21
		Average	29.02	37.80	36.98	69.76	47.83	57.28	76.80	43.77	42.65	77.75	64.12
		RGB Lab	91.42 97.86	13.01 71.24	65.39 83.11	8.68 66.48	25.88 60.60	4.42 60.46	0.00 59.58	33.04 75.93	23.81 66.76	0.00 44.30	0.00 41.86
	1,3,0	HSV	71.55	34.28	58.68	57.02	50.19	32.85	39.97	55.94	36.12	34.29	33.17
		Average	86.94	39.51	69.06	44.06	45.56	32.58	33.18	54.97	42.23	26.20	25.01
		RGB Lab	73.85 90.22	22.06 74.08	78.16 89.88	26.00 73.89	37.77 67.65	19.08 67.60	0.00 66.32	45.08 79.31	31.56 72.80	0.00 51.72	0.00 49.47
	1,3,1	HSV	69.41	40.29	62.12	62.78	56.27	39.57	47.82	61.90	42.53	41.37	40.12
		Average RGB	77.83 56.46	45.48 27.45	76.72 81.23	54.23 42.84	53.89 45.92	42.08 32.61	38.05 12.97	62.10 53.48	48.96 35.95	31.03 0.00	29.86 0.00
	1,3,2	Lab	82.89	75.64	93.69	80.95	73.51	74.19	72.83	81.05	77.87	58.87	56.49
	1,3,4	HSV	65.52	45.80	64.10	67.60	61.65	45.95	55.63	67.01	48.51	48.20	46.79
		Average RGB	68.29 38.95	49.63 28.44	79.67 71.35	63.80 59.09	60.36 49.04	50.92 44.40	47.14 28.78	67.18 56.01	54.11 36.13	35.69 0.00	34.42 7.75
	1,3,3	Lab	76.23	75.03	91.26	87.04	78.21	79.69	78.12	80.06	81.02	65.28	62.81
	,-,-	HSV	60.41 58.53	50.64 51.37	64.37 75.66	71.01 72.38	66.02 64.42	51.86 58.65	63.38 56.76	70.82 68.96	53.89 57.01	54.66 39.98	53.06 41.21
		Average RGB	21.00	24.60	56.16	73.63	46.33	53.00	43.64	51.24	31.61	5.18	22.73
	1,3,4	Lab	69.83	72.94	85.91	92.17	81.67	83.86	82.27	77.24	81.85	71.39	68.73
		HSV Average	54.47 48.43	54.60 50.71	62.91 68.32	72.48 79.43	68.94 65.64	57.11 64.65	71.03 65.65	72.79 67.09	58.44 57.30	60.58 45.72	58.74 50.07
		RGB	3.23	16.71	39.77	80.47	37.99	56.20	56.22	41.31	23.70	22.03	36.13
	1,3,5	Lab	63.61	69.61	80.21	93.68	83.17	86.50	84.74	73.25	80.86	77.05	74.31
		HSV Average	47.99 38.28	57.43 47.92	59.89 59.96	71.70 81.95	69.97 63.71	61.42 68.04	78.45 73.14	72.50 62.35	61.86 55.47	65.66 54.91	63.57 58.00
		RGB	0.00	5.66	22.76	73.13	26.03	52.86	64.03	28.07	13.02	38.20	47.22
	1,3,6	Lab	57.65	65.78	74.48	90.52	82.44	86.48	85.05	68.82	78.16	82.22	79.22
		HSV Average	41.15 32.94	58.89 43.44	55.64 50.96	68.85 77.50	68.94 59.14	64.46 67.93	85.32 78.13	70.02 55.64	63.82 51.67	69.50 63.31	67.16 64.53
		RGB	0.00	0.00	5.08	58.15	11.79	43.72	63.28	12.55	0.00	53.10	54.42
	1,3,7	Lab HSV	51.70 34.06	61.40 58.84	68.67 50.46	85.48 64.41	79.90 66.02	84.05 65.88	83.10 90.35	63.95 65.84	74.33 64.10	86.71 71.58	83.42 69.08
		Average	28.59	40.08	41.40	69.35	52.57	65.88	78.91	47.45	46.14	71.58	68.97
		RGB	92.02	12.14	65.21	7.96	25.36	4.21	0.00	32.38	23.87	0.00	0.00
	1,4,0	Lab HSV	97.86 63.74	71.24 38.11	83.11 65.27	66.48 51.78	60.60 54.19	60.46 36.51	59.58 39.91	75.93 59.59	66.76 40.17	44.30 30.55	41.86 36.41
		Average	84.54	40.50	71.20	51./8 42.07	46.72	36.51	39.91	59.59	40.17	30.55 24.95	36.41 26.09
		RGB	75.64	19.60	78.62	23.80	36.40	18.67	0.00	43.24	32.17	0.00	0.00
	1,4,1	Lab HSV	90.47 62.03	73.41 44.54	90.07 69.44	73.38 56.84	67.39 60.89	67.57 43.66	65.88 47.74	78.80 66.19	72.92 47.07	51.23 37.21	49.28 43.76
		Average	76.05	45.85	79.38	51.34	54.89	43.30	37.88	62.74	50.72	29.48	31.01
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1.60	Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
1-00														
Congress Column		1,4,2												
1-42 1.00 2.00														
March Marc														
Page 15th		1,4,3												
1.00 7.00														
March Marc														
1.00		1.4.4												
1.00														
Mathematics														
1.05		1.45												
1.00		1,4,5	HSV								78.82			
Lab														
100 17.05														
Access		1,4,6												
1.00			Average	31.90	44.64	56.07	73.75	62.72	74.19	76.19	58.05	57.51	56.98	67.27
1.00														
Pennings 72.12 62.02 64.72 62.03 55.04 77.24 77.24 59.14 59.04 59.07 77.24 59.07 59.08 60.08 6		1,4,7												
Main														
1.00														
March Marc		1.5.0												
1.52 1.52		, , , ,												
1.5.3 18. 18														
March Marc		151												
1.53 1.66 1.47 2.17 1.58 1.58 1.58 1.58 1.59 1.59 1.50		1,5,1	HSV	54.47	47.92	76.37	50.33	64.32	46.87	46.47	68.99	50.74	32.36	46.45
1.3.2 129 2419 77.53 93.3 77.96 77.12 77.60 77.12 77.60 77.12 77.60 77.17 93.77 93														
150														
Amerage Gold		1,5,2												
13.1 (18) 77.5 (17.6) (19.1) (-											
1.5.5 SEV 4790 4921 1013 16.18 77.33 61.42 61.40 1033 16.40 62.50 62.14 62.50 62.14 62.50 62.14 62.50 62.14 62.50 62.14 62.50 62.14 62.50 62.14 62.50 62.14 62.50 62.14 62														
Newcogn 57/95 50.08 84.68 59.31 67.54 67.41 52.90 70.07 63.03 84.44 67.73 67.54 67		1,5,3												
No. 1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1			-											
15.01 19.01 43.34 63.34 77.65 97.11 81.96 49.71 68.67 84.81 70.83 44.12 64.07 64.07 64.07 65.05 65.51 83.72 55.90 65.51 83.72 55.90 65.51 83.72 55.90 65.51 83.72 55.90 65.51 83.72 55.90 65.51 83.72 55.90 65.51 83.72 55.90 65.51 83.72 55.90 65.51 83.72 55.90 65.51 83.72 55.90 65.51 83.72 55.90 65.51 83.72 55.90 65.51 83.72 65.90 65.51 83.72 65.90 65.51 83.72 65.90 65.51 83.72 65.90 65.51 83.72 65.90 65.51 83.72 65.90 65.51 83.72 65.90 65.51 83.72 65.90 65.51 83.72 65.90 65.51 65.90 65.5														
No. 1972 1973 1974 1975 1		154	Lab	71.34	70.88	89.02	87.85	80.62	85.25				68.10	67.77
1.5.5 1.6.1 1.7.4 9.60 13.3.5 65.3.1 40.5.1 40.5.1 40.5.7 46.6.7		1,5,4	-											
1.5.5 1.5.														
1.5.5 Sev 38.00 69.00 77.54 59.61 88.81 74.31 75.37 88.67 75.95 83.17 75.38 86.61 86.62 86.00 69.00 69.00 37.00 49.00														
1.5.5 1.6.0 1.0.0 1.0.0 1.0.0 1.5.1 1.0.		1,5,5												
1.5.6 Lib 59.64 64.38 77.00 87.82 82.27 89.84 82.24 66.66 82.28 77.25 78.62														
1.0.5 16														
Note Section Record Section Record R		1,5,6												
1,5,7			-											
1.5.1 1.6.2 1.6.				0.00	0.00	21.28	55.79	19.62		56.42	17.25	17.47	30.78	
1.63		1,5,7												
1,6,0														
1.6.0 Lab 398.01 70.94 83.03 66.25 60.48 60.35 59.34 77.56 66.68 44.07 41.73														
Heart Hear		160												
1,6,1 1,6,		1,0,0												
1.6.1 Lab 91.12 73.38 89.88 77.12 66.41 67.14 64.91 78.01 72.87 50.03 48.46 HSV 46.79 50.24 82.40 43.45 66.20 49.03 44.09 69.89 53.314 26.98 48.06 Average 72.08 45.78 83.69 45.07 55.49 44.66 36.33 62.43 53.08 25.67 32.17 1.6.2 Lab 84.29 72.80 96.19 77.80 71.89 73.82 70.32 78.93 78.53 56.03 55.12 HSV 44.47 57.01 82.20 46.50 73.33 56.79 51.30 76.59 60.94 32.34 55.92 Average 64.06 48.75 91.41 52.14 62.20 54.17 42.11 66.88 59.86 29.46 37.01 1.6.3 Lab 78.12 72.17 95.86 82.54 76.20 79.75 74.95 78.30 82.86 61.46 61.08 1.6.4 Lab 78.12 72.17 95.86 82.54 76.20 79.75 74.95 78.30 82.86 61.46 61.08 1.6.4 Lab 71.89 69.97 90.13 85.97 79.75 74.95 78.30 82.86 61.46 61.08 1.6.4 Lab 71.89 69.97 90.13 85.97 79.75 74.95 78.30 62.86 63.46 61.08 1.6.4 Lab 71.89 69.97 90.13 85.97 79.75 74.95 78.30 62.86 63.46 61.08 1.6.5 Lab 61.5 69.97 90.13 85.97 79.75 74.95 78.30 62.86 63.46 61.08 1.6.5 Lab 61.5 67.07 84.50 83.91 79.75 85.44 76.20 79.75 74.95 78.30 62.86 1.6.5 Lab 61.5 67.07 84.50 87.16 86.03 77.74 85.58 66.58 67.07 1.6.5 Lab 61.5 67.07 84.50 87.16 86.03 77.74 85.58 66.58 67.07 1.6.5 Lab 66.15 67.07 84.50 87.16 86.03 77.14 67.38 88.95 70.93 72.48 1.6.6 Lab 60.67 63.83 79.07 84.50 80.33 79.07 86.60 87.20 80.39 64.46 81.85 80.50 69.30 1.6.6 Lab 60.67 63.83 79.07 84.50 80.33 80.90 80.39 64.46 80.33 80.90 80.50 80.30 80.														
HeV 46.79 50.24 82.40 43.45 56.20 49.03 44.09 66.98 53.34 26.98 48.06														
R68 63.42 16.45 99.84 32.11 41.17 31.89 4.70 45.03 40.11 0.00 0.00		1,6,1												
1.6.2 Lab 84.29 72.80 96.19 77.80 77.80 77.82 77.32 78.32 79.32 78.33 78.53 56.03 55.12 HSV 44.47 57.01 87.20 46.50 77.33 56.79 51.30 76.69 60.94 32.24 55.92 Average 64.06 48.75 91.41 52.14 62.20 54.17 42.11 66.88 59.86 29.46 37.01 Lab 78.12 77.17 95.86 82.54 76.20 79.75 74.95 78.30 82.86 61.46 61.08 Lab 78.12 77.17 95.86 82.54 76.20 79.75 74.95 78.30 82.86 61.46 61.08 HSV 41.15 63.30 88.00 48.50 80.99 64.46 82.82 82.50 68.85 37.15 63.73 Average 55.95 50.27 90.47 58.05 67.11 63.28 50.11 69.28 65.25 32.87 42.46 Lab 71.29 69.97 90.43 85.97 79.75 85.44 78.33 75.74 85.38 66.58 67.07 Lab 71.29 69.97 90.43 85.97 79.75 85.44 78.33 77.57 85.38 66.58 67.07 Lab 71.29 69.97 90.43 85.97 79.75 85.44 78.33 75.74 85.38 66.58 67.07 Lab 71.29 69.97 90.43 85.97 79.75 85.44 78.33 77.74 85.38 66.58 67.07 Lab 71.29 69.97 90.43 85.97 79.75 85.44 78.33 77.74 85.38 66.58 67.07 Lab 71.29 69.97 90.43 86.03 71.97 64.76 86.01 75.46 41.27 71.47 Lab 71.29 69.97 90.43 85.97 79.75 85.44 78.33 75.74 85.38 66.58 87.07 Lab 66.15 67.07 84.50 88.76 63.33 89.95 70.33 38.69 37.33 41.51 0.00 31.52 Lab 66.15 67.07 84.50 87.16 88.80 88.52 79.17 70.55 85.46 81.85 59.70 79.37 72.48 Lab 60.67 63.33 79.07 86.06 81.65 90.07 80.06 72.38 85.95 70.93 72.48 Lab 80.67 63.38 79.07 86.06 81.65 90.07 80.06 72.38 85.95 70.93 72.48 Lab 80.67 75.50 70.97 47.25 86.03 85.54 75.13 81.19 86.45 44.56 79.05 Lab 60.67 63.33 79.07 86.06 81.65 90.97 79.75 79.50 87.20 48.41 77.55 79.75 Lab 80.67 70.54 64.45 79.55 70.04 80.02 79.33 79.00														
HSV 44.47 57.01 87.20 46.50 73.53 56.79 51.30 76.69 60.94 32.34 55.92 Average 64.06 48.75 91.41 52.14 62.20 54.17 42.11 66.88 59.86 29.46 37.01 87.60 12.00 12.99 1.60 12.00 12.99 1.60 12.00 12.99 1.60 12.00 12.99 1.60 12.00 12.99 1.60 12.00 12.99 1.60 12.00 12.99 1.60 12.00 12.99 1.60 12.00 12.99 1.60 12.00 12.99 1.60 12.00 12.99 1.60 12.00 12.99 1.60 12.00 12.99 1.60 12.00 12.99 1.60 12.00 12.99 1.60 12.00 12.99 1.60 12.00 12.99 1.60 12.00 12.99 1.60 12.00 12.00 12.99 1.60 12.00 12.00 12.99 1.60 12.00 12														
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HSV 41.15 63.30 88.00 48.50 80.39 64.46 58.24 82.50 68.36 37.15 63.73 Average 35.95 50.27 99.47 58.05 67.11 63.28 50.11 69.28 65.25 32.87 42.46 1.6.4 RGB 33.25 11.39 73.72 52.15 44.51 59.01 28.86 44.61 45.01 0.00 17.06 1.5.4 Lab 71.89 69.97 80.13 85.97 79.75 85.44 78.53 75.74 85.58 66.58 67.07 Average 47.38 50.06 82.67 62.48 70.10 72.14 57.38 68.01 75.46 41.27 77.47 Average 36.61 67.07 84.50 87.16 88.02 77.19 64.76 86.01 75.46 41.27 77.47 1.6.5 Lab 66.15 67.07 84.50 87.16 81.66 90.07 80.66 72.38 85.95 70.93 41.51 0.00 31.32 1.6.6 Lab 66.15 67.07 84.50 87.16 88.88 88.52 79.17 70.55 85.46 81.85 44.56 79.05 Average 38.69 48.25 73.75 64.32 70.04 80.02 63.30 65.26 69.77 38.49 60.95 1.6.6 Lab 60.67 63.38 79.07 86.06 81.65 92.97 81.47 68.01 65.88 34.47 10.03 44.55 10.03 44.														
Average 55.95 50.27 90.47 58.05 67.11 63.28 50.11 69.28 65.25 32.87 42.46 RGB 53.25 11.39 73.72 52.15 44.51 59.01 28.86 44.61 45.01 0.00 17.06 12.6 1		1,6,3												
1,6,4														
Lab 71.89 69.97 90.13 88.97 79.75 85.44 78.53 75.74 85.58 66.58 67.07 HSV 37.00 68.83 84.17 49.31 88.03 71.97 64.76 86.01 75.46 41.27 71.47 Average 47.38 50.06 82.67 62.48 70.10 72.14 57.38 68.78 68.68 35.95 51.87 AGG 17.75 4.56 55.76 55.93 39.95 70.83 38.69 37.33 41.51 0.00 31.32 Lab 66.15 67.07 84.50 87.16 81.66 90.07 80.66 72.38 85.55 70.93 72.48 HSV 32.18 73.12 78.01 48.88 88.52 79.17 70.55 85.46 81.85 44.56 79.05 Average 38.69 48.25 73.75 64.32 70.04 80.02 63.30 65.26 69.77 38.49 60.95 ARGB 2.29 0.00 43.56 56.42 31.68 77.91 46.16 28.81 34.87 10.03 44.55 Lab 60.67 63.38 79.07 86.06 81.65 92.97 81.47 68.70 84.41 74.61 77.35 Average 29.92 46.44 64.53 65.24 66.45 85.48 67.59 59.57 68.58 48.83 69.37 Average 29.92 46.44 64.53 65.24 66.45 85.48 67.59 59.57 68.58 48.83 69.37 1,6,7 Lab 55.14 59.88 73.58 83.02 80.27 92.09 80.39 64.33 81.16 77.45 82.06 HSV 20.99 75.42 65.55 44.51 80.39 89.50 77.73 75.06 87.20 48.01 91.77 Average 25.38 45.10 54.97 59.33 60.54 85.59 69.25 52.21 64.50 48.39 76.87 1,7,10 Lab 97.97 70.64 83.04 66.26 60.72 60.31 59.19 75.32 66.54 44.07 41.85 1,7,11 Lab 97.97 70.64 83.04 66.26 60.72 60.31 59.19 75.32 66.54 44.07 41.85 1,7,12 Lab 97.97 70.64 83.04 66.26 60.72 60.31 59.19 75.32 66.54 44.07 41.85 1,7,14 Lab 97.97 70.64 83.04 66.26 60.72 60.31 59.19 75.32 66.54 44.07 41.85 1,7,14 Lab 97.97 70.64 83.04 66.26 60.72 60.31 59.19 75.32 66.54 44.07 41.85 1,7,14 Lab 97.97 70.64 83.04 66.26 60.72 60.31 59.19 75.32 66.54 44.07 41.85 1,7,14 Lab 97.97 70.64 83.04 66.26						73.72								
HSV 37.00 68.83 84.17 49.31 86.03 71.97 64.76 86.01 75.46 41.27 71.47 Average 47.38 50.06 82.67 62.48 70.10 72.14 57.38 68.78 68.68 35.95 51.87 B. RGB 17.75 4.56 58.76 56.93 39.95 70.83 38.69 37.93 41.51 0.00 31.32 1.65 1.65 1.65 1.65 1.65 1.65 1.65 1.65		1,6,4	Lab	71.89	69.97	90.13	85.97	79.75	85.44	78.53	75.74	85.58	66.58	67.07
1,6,5 RGB 17.75 4.56 58.76 56.93 39.95 70.83 38.69 37.93 41.51 0.00 31.32 Lab 66.15 67.07 84.50 87.16 81.66 90.07 80.66 72.38 85.95 70.93 72.48 HSV 32.18 73.12 78.01 48.88 88.52 79.17 70.55 85.46 81.85 44.56 79.05 Average 38.69 48.25 73.75 64.32 70.04 80.02 63.30 65.26 69.77 38.49 60.95 RGB 2.29 0.00 43.56 56.42 31.68 77.91 46.16 28.81 34.87 10.03 44.55 Lab 60.67 63.83 79.07 86.06 81.65 92.97 81.47 68.70 84.41 74.61 77.35 HSV 26.80 75.50 70.97 47.25 86.03 85.54 75.13 81.19 86.45 46.85 86.21 Average 29.92 46.44 64.53 63.24 66.45 85.48 67.59 59.57 68.58 43.83 69.37 RGB 0.00 0.00 27.77 50.46 20.96 75.17 49.62 17.25 25.13 19.73 56.78 HSV 20.99 75.42 63.55 44.51 80.39 89.50 77.73 75.06 87.20 48.01 91.77 Average 25.38 45.10 54.97 59.33 60.54 85.59 69.25 52.21 64.50 48.39 76.87 Average 25.38 45.10 54.97 59.33 60.54 85.59 69.25 52.21 64.50 48.39 76.87 1,7,0 Lab 97.97 70.64 43.80 66.26 60.72 60.31 59.19 75.32 66.54 44.07 41.85 HSV 40.09 44.15 78.56 32.80 58.68 42.07 33.72 61.70 46.78 15.75 40.55 Average 77.06 44.48 75.46 35.05 47.86 35.38 30.97 55.81 45.76 19.94 27.47 HSV 39.04 51.37 86.31 36.33 66.25 50.01 40.73 68.73 54.67 21.15 48.48 Average 77.06 44.48 75.46 35.05 47.86 35.38 30.97 55.81 45.76 19.94 27.47 HSV 39.04 51.37 86.31 36.33 66.25 50.01 40.73 68.73 54.67 21.15 48.48 Average 69.91 45.30 84.82 41.88 54.96 44.74 35.10 61.35 53.54 23.57 32.16 Average 69.91 45.30 84.82 41.88 54.96 44.74 35.10 61.35 53.54 23.57 32.16 Average 69.91 45.30 84.82 41.88 54.96 44.74 35.10 61.35 53.54 2														
1,6,5 Lab 66.15 67.07 84.50 87.16 81.66 90.07 80.66 72.38 85.95 70.93 72.48 HSV 32.18 73.12 78.01 48.88 88.52 79.17 70.55 85.46 81.85 44.56 79.05 Average 38.69 48.25 73.75 64.32 70.04 80.02 63.30 65.26 69.77 38.49 60.95 RGB 2.29 0.00 43.56 56.42 31.68 77.91 46.16 28.81 34.87 10.03 44.55 Lab 60.67 63.83 79.07 86.06 81.65 92.97 81.47 68.70 84.41 74.61 77.35 HSV 26.80 75.50 70.97 47.25 86.03 85.54 75.13 81.19 86.45 46.85 86.21 Average 29.92 46.44 64.53 63.24 66.45 85.48 67.99 59.57 68.58 43.83 69.37 RGB 0.00 0.00 27.77 50.46 20.96 75.17 49.62 17.25 25.13 19.73 56.78 1,6,7 Lab 55.14 59.88 73.58 83.02 80.27 92.09 80.39 64.33 81.16 77.45 82.06 HSV 20.99 75.42 63.55 44.51 80.39 89.50 77.73 75.06 87.20 48.01 \$1.77 Average 25.93 45.10 54.97 59.33 60.54 85.59 67.25 52.21 64.50 48.39 76.87 RGB 93.13 9.64 64.79 6.10 24.19 3.75 0.00 30.41 23.97 0.00 0.00 1,7,0 HSV 40.09 44.15 85.6 32.80 58.68 42.07 33.72 61.70 46.78 15.75 40.55 40.55 40.9														
HSV 32.18 73.12 78.01 48.88 88.52 79.17 70.55 85.46 81.85 44.56 79.05 Average 38.69 48.25 73.75 64.32 70.04 80.02 63.30 65.26 69.77 38.49 60.95 RGB 2.29 0.00 43.56 56.42 31.68 77.91 46.16 28.81 34.87 10.03 44.55 Lab 60.67 63.83 79.07 86.06 81.65 92.97 81.47 68.70 84.41 74.61 77.35 HSV 26.80 75.50 70.97 47.25 86.03 85.54 75.13 81.19 86.45 46.85 86.21 Average 29.92 46.44 64.53 63.24 66.45 85.84 67.59 59.57 68.58 43.83 69.37 RGB 0.00 0.00 27.77 50.46 20.96 75.17 49.62 17.25 25.13 19.73 56.78 Lab 55.14 59.88 73.58 83.02 80.27 92.09 80.39 64.33 81.16 77.45 82.06 HSV 20.99 75.42 63.55 44.51 80.39 89.50 77.73 75.06 87.20 48.01 91.77 Average 25.38 45.10 54.97 59.33 60.54 85.59 69.25 52.21 64.50 48.39 76.87 Average 77.06 48.04 66.26 60.72 60.31 59.19 75.32 66.54 44.07 41.85 Average 77.06 41.48 75.46 35.05 47.86 35.88 42.07 33.72 61.70 46.78 15.75 40.55 Average 79.19 12.31 78.58 17.66 32.71 17.40 0.00 37.41 33.29 0.00 0.00 1,7,1 Lab 91.49 72.23 88.56 71.66 65.92 66.80 64.56 77.90 72.67 49.57 48.01 Average 69.91 45.30 84.82 41.88 54.96 44.74 35.10 61.35 53.54 23.57 32.16 RGB 65.02 12.68 92.15 28.43 39.99 31.21 1.79 41.91 41.04 0.00 0.00 0.00		165												
1,6,6 RGB 2.29 0.00		1,0,5	HSV							70.55		81.85		
1,6,6 Lab 60.67 63.83 79.07 86.06 81.65 92.97 81.47 68.70 84.41 74.61 77.35 HSV 26.80 75.50 70.97 47.25 86.03 85.54 75.13 81.19 86.45 46.85 86.21 Average 29.92 46.44 64.53 63.24 66.45 85.48 67.59 59.57 68.58 43.83 69.37 RGB 0.00 0.00 27.77 50.46 20.96 75.17 49.62 17.25 25.13 19.73 56.78 Lab 55.14 59.88 73.58 83.02 80.27 92.09 80.39 64.33 81.16 77.45 82.06 HSV 20.99 75.42 63.55 44.51 80.39 89.50 77.73 75.06 87.20 48.01 91.77 Average 25.38 45.10 54.97 59.33 60.54 85.59 69.25 52.21 64.50 48.39 76.87 RGB 93.13 9.64 64.79 6.10 24.19 3.75 0.00 30.41 23.97 0.00 0.00 1,7,0 Lab 97.97 70.64 83.04 66.26 60.72 60.31 59.19 75.32 66.54 44.07 41.85 15.75 40.55 40.55 40.59 40.09 44.15 78.56 32.80 58.68 42.07 33.72 61.70 46.78 15.75 40.55 40.														
HSV 26.80 75.50 70.97 47.25 86.03 85.54 75.13 81.19 86.45 46.85 86.21 Average 29.92 46.44 64.53 63.24 66.45 85.48 67.59 59.57 68.58 43.83 69.37 RGB 0.00 0.00 27.77 50.46 20.96 75.17 49.62 17.25 25.13 19.73 56.78 Lab 55.14 59.88 73.58 83.02 80.27 92.09 80.39 64.33 81.16 77.45 82.06 HSV 20.99 75.42 63.55 44.51 80.39 89.50 77.73 75.06 87.20 48.01 91.77 Average 25.38 45.10 54.97 59.33 60.54 85.59 69.25 52.21 64.50 48.39 76.87 RGB 33.13 9.64 64.79 6.10 24.19 3.75 0.00 30.41 23.97 0.00 0.00 1,7,0 Lab 97.97 70.64 83.04 66.26 60.72 60.31 59.19 75.32 66.54 44.07 41.85 HSV 40.09 44.15 78.56 32.80 58.68 42.07 33.72 61.70 46.78 15.75 40.55 Average 77.06 414.48 75.46 35.05 47.86 35.38 30.97 55.81 45.76 19.94 27.47 RGB 79.19 12.31 78.58 17.66 32.71 17.40 0.00 37.41 33.29 0.00 0.00 1,7,1 Lab 91.49 72.23 89.56 71.66 65.92 66.80 64.56 77.90 72.67 49.57 48.01 HSV 39.04 51.37 86.31 36.33 66.25 50.01 40.73 68.73 54.67 21.15 48.48 Average 69.91 45.30 84.82 41.88 54.96 44.74 35.10 61.35 53.54 23.57 32.16														
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1,6,7 Lab 55.14 59.88 73.58 83.02 80.27 92.09 80.39 64.33 81.16 77.45 82.06 HSV 20.99 75.42 63.55 44.51 80.39 89.50 77.73 75.06 87.20 48.01 91.77 Average 25.38 45.10 54.97 59.33 60.54 85.59 69.25 52.21 64.50 48.39 76.87 R6B 93.13 9.64 64.79 6.10 24.19 3.75 0.00 30.41 23.97 0.00 0.00 Lab 97.97 70.64 83.04 66.26 60.72 60.31 59.19 75.32 66.54 44.07 41.85 HSV 40.09 44.15 78.56 32.80 58.68 42.07 33.72 61.70 46.78 15.75 40.55 Average 77.06 41.48 75.46 35.05 47.86 33.38 30.97 55.81 45.76 19.94 27.47 R6B 79.19 12.31 78.58 17.66 32.71 17.40 0.00 37.41 33.29 0.00 0.00 1,7,1 Lab 91.49 72.23 89.56 71.66 65.92 66.80 64.56 77.90 72.67 49.57 48.01 HSV 30.04 51.37 86.31 36.33 66.25 50.01 40.73 68.73 54.67 21.15 48.48 Average 69.91 45.30 84.82 41.88 54.96 44.74 35.10 61.35 53.54 23.57 32.16			Average	29.92	46.44	64.53	63.24	66.45	85.48	67.59	59.57	68.58	43.83	69.37
HSV 20.99 75.42 63.55 44.51 80.39 89.50 77.73 75.06 87.20 48.01 91.77 Average 25.38 45.10 54.97 59.33 60.54 85.59 69.25 52.21 64.50 48.39 76.87 RGB 33.13 9.64 64.79 6.10 24.19 3.75 0.00 30.10 23.97 0.00 0.00 Lab 97.97 70.64 83.04 66.26 60.72 60.31 59.19 75.32 66.54 44.07 41.85 HSV 40.09 44.15 78.56 32.80 58.68 42.07 33.72 61.70 46.78 15.75 40.55 Average 77.06 41.48 75.46 35.05 47.86 35.38 30.97 55.81 45.76 19.94 27.47 RGB 79.19 12.31 78.58 17.66 32.71 17.40 0.00 37.41 33.29 0.00 0.00 1,7,1 Lab 91.49 72.23 89.56 71.66 65.92 66.80 64.56 77.90 72.67 49.57 48.01 HSV 39.04 51.37 86.31 36.33 66.25 50.01 40.73 68.73 54.67 21.15 48.48 Average 69.91 45.30 84.82 41.88 54.96 44.74 35.10 61.35 53.54 23.57 32.16 RGB 65.02 12.68 92.15 28.43 39.99 31.21 1.79 41.91 41.04 0.00 0.00														
Average 25.38 45.10 54.97 59.33 60.54 85.59 69.25 52.21 64.50 48.39 76.87 RGB 93.13 9.64 64.79 6.10 24.19 3.75 0.00 30.41 23.97 0.00 0.00 Lab 97.97 70.64 83.04 66.26 60.72 60.31 59.19 75.32 66.54 44.07 41.85 HSV 40.09 44.15 78.55 32.80 58.68 42.07 33.72 61.70 46.78 15.75 40.55 Average 77.06 41.48 75.46 35.05 47.86 35.38 30.97 55.81 45.76 19.94 27.47 RGB 79.19 12.31 78.58 17.66 32.71 17.40 0.00 37.41 33.29 0.00 0.00 1,7,1 Lab 91.49 72.23 89.56 71.66 65.92 66.80 64.56 77.90 72.67 49.57 48.01 HSV 39.04 51.37 86.31 36.33 66.25 50.01 40.73 68.73 54.67 21.15 48.48 Average 69.91 45.30 84.82 41.88 54.96 44.74 35.10 61.35 53.54 23.57 32.16 RGB 65.02 12.68 92.15 28.43 39.99 31.21 1.79 41.91 41.04 0.00 0.00 0.00		1,6,7												
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HSV 40.09 44.15 78.56 32.80 58.88 42.07 33.72 61.70 46.78 15.75 40.55 Average 77.06 41.48 75.46 35.05 47.86 35.38 39.97 55.81 45.76 19.94 27.47 RGB 79.19 12.31 78.58 17.66 32.71 17.40 0.00 37.41 33.29 0.00 0.00 1,7,1 Lab 91.49 72.23 89.56 71.66 65.92 66.80 64.56 77.90 72.67 49.57 48.01 HSV 39.04 51.37 86.31 36.33 66.25 50.01 40.73 68.73 54.67 21.15 48.48 Average 69.91 45.30 84.82 41.88 54.96 44.74 35.10 61.35 53.54 23.57 32.16 RGB 65.02 12.68 92.15 28.43 39.99 31.21 1.79 41.91 41.04 0.00 0.00 0.00		1.7.0	Lab		70.64	83.04		60.72		59.19	75.32		44.07	
RGB 79.19 12.31 78.58 17.66 32.71 17.40 0.00 37.41 33.29 0.00 0.00 0.00 1.7,1 1.7,1 Lab 91.49 72.23 89.56 71.66 65.92 66.80 64.56 77.90 72.67 49.57 48.01 1.7,1 HSV 39.04 51.37 86.31 36.33 66.25 50.01 40.73 68.73 54.67 21.15 48.48 1.7,1 1.7,		-,.,0												
1,7,1 Lab 91.49 72.23 89.56 71.66 65.92 66.80 64.56 77.90 72.67 49.57 48.01 HSV 39.04 51.37 86.31 36.33 66.25 50.01 40.73 68.73 54.67 21.15 48.48 Average 69.91 45.30 84.82 41.88 54.96 44.74 35.10 61.35 53.54 23.57 32.16 RGB 65.02 12.68 92.15 28.43 39.09 31.21 1.79 41.91 41.04 0.00 0.00														
HSV 39.04 51.37 86.31 36.33 66.25 50.01 40.73 68.73 54.67 21.15 48.48 Average 69.91 45.30 84.82 41.88 54.96 44.74 35.10 61.35 53.54 23.57 32.16 RGB 65.02 12.68 92.15 28.43 39.09 31.21 1.79 41.91 41.04 0.00 0.00														
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lab 94.77 73.42 96.42 77.46 74.57 73.74 60.70 70.20 70.62 55.47 54.90			Average	69.91	45.30	84.82	41.88	54.96	44.74	35.10	61.35	53.54	23.57	32.16
172 Lab 84.5/ /2.13 96.43 77.16 71.57 73.74 69.79 78.38 78.63 55.47 54.88														
		177	Lab	84.37	/2.13	96.43	//.16	/1.57	/3.74	69.79	/8.38	/8.63	55.47	54.88

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
		HSV Average	37.00 62.13	58.32 47.71	93.57 94.05	39.02 48.20	73.61 61.42	57.95 54.30	47.48 39.69	75.22 65.17	62.54 60.74	26.09 27.19	56.41 37.10
		RGB	50.62	10.62	91.78	37.86	42.44	45.08	13.04	43.14	46.33	0.00	0.58
	1,7,3	Lab	78.23	71.17	96.67	81.35	75.64	79.77	74.07	77.52	83.27	60.52	60.72
	1,7,5	HSV	34.06	64.84	95.35	40.76	80.49	65.88	53.84	80.57	70.36	30.46	64.33
		Average	54.30	48.88	94.60	53.32	66.19	63.58	46.98	67.08	66.66	30.33	41.88
		RGB Lab	36.01 72.40	5.87 69.19	77.77 91.04	44.76 84.25	42.03 78.73	58.87 85.31	23.08 77.36	40.40 75.29	48.25 86.32	0.00 65.08	14.25 66.22
	1,7,4	HSV	30.34	70.66	88.68	41.46	86.18	73.79	59.64	83.67	78.10	34.17	72.24
		Average	46.25	48.57	85.83	56.82	68.98	72.66	53.36	66.45	70.89	33.08	50.90
		RGB	21.16	0.00	63.05	48.57	37.85	72.08	31.85	34.63	46.20	0.00	27.68
	1,7,5	Lab HSV	66.93 25.94	66.83 75.26	85.58 81.00	85.53 41.09	80.23 88.69	90.33 81.69	79.79 64.59	72.55 83.19	87.47 85.61	69.18 37.08	71.18 80.11
		Average	38.01	47.36	76.54	58.40	68.93	81.37	58.75	63.46	73.09	35.42	59.66
		RGB	6.08	0.00	48.06	48.09	30.41	82.71	38.30	26.13	40.46	0.65	40.51
	1,7,6	Lab	61.38	63.54	80.04	84.65	80.46	94.18	80.62	68.82	86.11	72.68	76.06
		HSV	20.99	77.87 47.14	73.16 67.09	39.67 57.47	86.18 65.68	89.50 88.80	68.29 62.41	79.39 58.11	92.18 72.92	39.09 37.48	87.89 68.15
		Average RGB	0.00	0.00	32.82	43.25	20.48	83.57	41.49	15.62	31.79	8.66	52.06
	1,7,7	Lab	56.05	59.85	74.71	82.08	79.20	94.14	79.88	64.74	83.12	75.27	80.38
	1,/,/	HSV	15.58	77.78	65.27	37.26	80.49	96.60	70.29	73.67	93.57	40.10	95.07
		Average	23.87	45.88	57.60	54.20	60.06	91.44	63.88	51.35	69.49	41.34	75.84
		RGB Lab	89.35 97.27	15.63 71.69	65.82 83.47	10.81 67.17	27.41 61.29	5.02 60.84	0.00 60.10	35.01 76.28	23.57 66.96	0.00 44.98	0.00 42.45
	2,0,0	HSV	90.67	19.47	36.90	66.40	34.17	18.05	33.70	39.06	20.13	40.04	19.48
		Average	92.43	35.60	62.06	48.12	40.95	27.97	31.27	50.12	36.89	28.34	20.65
		RGB	68.05	29.29	75.09	32.14	40.91	19.70	1.51	50.26	29.35	0.00	0.00
	2,0,1	Lab HSV	88.44 85.39	76.23 24.30	89.54 39.10	76.00 74.17	68.81 38.64	68.30 23.45	68.23 40.71	81.03 43.22	72.96 25.16	53.81 47.90	50.66 25.15
		Average	85.39 80.63	24.30 43.28	39.10 67.91	60.77	38.64 49.45	23.45 37.15	40.71 36.82	43.22 58.17	25.16 42.49	47.90 33.90	25.15
		RGB	46.72	37.75	69.28	53.49	48.75	31.50	20.62	59.43	29.55	0.00	0.00
	2,0,2	Lab	80.29	78.06	90.27	84.15	74.88	74.48	75.41	82.51	76.99	61.96	57.99
	2,0,2	HSV	78.41	28.57	40.31	81.80	42.36	28.38	47.46	46.52	29.65	55.72	30.37
		Average RGB	68.47 25.38	48.13 38.77	66.62 53.74	73.15 74.83	55.33 48.29	44.79 38.73	47.83 38.44	62.82 58.28	45.39 24.11	39.23 1.66	29.45 11.21
		Lab	72.81	77.15	85.95	91.61	79.16	78.95	81.27	80.66	78.53	69.42	64.41
	2,0,3	HSV	70.93	32.17	40.47	88.95	45.17	32.73	53.82	48.78	33.49	63.49	35.03
		Average	56.37	49.36	60.05	85.13	57.54	50.14	57.84	62.57	45.37	44.86	36.89
		RGB	4.01	32.02	35.09	95.75	39.67	39.68	53.42	47.44	14.08	23.07	23.94
	2,0,4	Lab HSV	65.56 63.25	74.04 34.99	79.85 39.58	98.68 93.74	81.47 46.92	81.22 36.38	85.27 59.61	76.49 49.87	77.44 36.55	76.65 71.17	70.20 39.02
		Average	44.28	47.02	51.51	96.06	56.02	52.43	66.10	57.93	42.69	56.96	44.39
		RGB	0.00	19.41	15.36	82.13	25.68	34.08	62.03	31.35	0.84	44.47	32.83
	2,0,5	Lab	58.54	69.73	73.43	94.04	80.98	81.02	86.50	71.36	74.55	83.64	75.04
	, , , ,	HSV	55.48	36.94	37.69	90.91	47.52	39.21	64.55	49.71	38.74	78.64	42.17
		Average RGB	38.01 0.00	42.03 3.19	42.16 0.00	89.03 60.76	51.39 8.74	51.44 23.33	71.03 59.88	50.81 12.86	38.04 0.00	68.91 65.82	50.01 36.21
		Lab	51.98	65.01	67.15	87.51	78.24	78.49	84.60	66.02	70.47	90.16	78.25
	2,0,6	HSV	47.65	37.91	34.87	84.11	46.92	41.09	68.26	48.32	39.94	85.59	44.37
		Average	33.21	35.37	34.01	77.46	44.64	47.64	70.91	42.40	36.80	80.53	52.94
		RGB	0.00 45.41	0.00	0.00 60.79	39.33 80.95	0.00 74.32	9.23 74.50	48.29 80.35	0.00	0.00 65.58	86.81 96.39	33.24 80.04
	2,0,7	Lab HSV	39.79	59.60 37.88	31.24	76.58	45.17	41.93	70.25	60.16 45.78	40.11	90.77	45.48
		Average	28.40	32.49	30.68	65.62	39.83	41.89	66.30	35.31	35.23	91.32	52.92
		RGB	89.76	14.88	65.93	10.40	27.36	5.04	0.00	34.41	23.62	0.00	0.00
	2,1,0	Lab	97.21	71.37	83.47	67.17	61.53	60.81	59.94	75.92	66.82	44.98	42.57
		HSV	85.39 90.79	25.06 37.11	44.31 64.57	64.96 47.51	40.24 43.04	23.45 29.77	36.56 32.17	44.99 51.77	25.85 38.76	38.99 27.99	24.63 22.40
		Average RGB	69.24	27.05	76.53	30.93	41.14	20.03	0.39	48.42	29.80	0.00	0.00
	2,1,1	Lab	88.58	75.21	89.94	75.76	69.20	68.39	67.75	80.08	72.97	53.56	50.86
	2,1,1	HSV	81.57	30.27	46.81	72.33	45.20	29.27	43.93	49.63	31.30	46.70	30.71
		Average	79.80	44.18	71.10	59.67	51.85	39.23	37.36	59.38	44.69	33.42	27.19
		RGB Lab	48.67 80.41	34.27 76.64	72.54 91.24	51.43 83.85	50.00 75.64	32.64 74.92	18.80 74.77	56.71 81.26	30.78 77.32	0.00 61.68	0.00 58.48
	2,1,2	HSV	75.66	34.93	48.20	79.26	49.40	34.64	51.12	53.38	36.21	54.32	36.39
		Average	68.25	48.61	70.66	71.51	58.35	47.40	48.23	63.78	48.10	38.66	31.62
		RGB	28.04	34.84	57.84	71.69	51.10	41.25	35.98	55.82	26.30	0.00	12.66
	2,1,3	Lab HSV	72.91 68.83	75.34 38.91	86.84 48.40	91.09 85.14	80.56 52.62	79.73 39.43	80.25 58.03	79.15 55.99	79.01 40.47	69.08 61.80	65.30 41.53
		Average	56.59	49.70	64.36	82.64	61.43	53.47	58.09	63.66	48.60	43.63	39.83
		RGB	7.36	28.54	39.78	89.84	43.92	43.93	50.60	46.16	17.21	19.71	26.85
	2,1,4	Lab	65.65	72.30	80.59	96.89	83.25	82.32	83.98	75.15	78.06	76.21	71.45
	l	HSV Average	61.57 44.86	42.06 47.63	47.37 55.91	88.26 91.66	54.66 60.61	43.52 56.59	64.50 66.36	57.27 59.53	43.92 46.40	69.05 54.99	45.99 48.09
		RGB	0.00	16.89	20.57	83.53	30.95	39.82	59.67	31.27	4.78	40.21	37.87
	2,1,5	Lab	58.82	68.00	74.29	93.53	83.28	82.39	84.80	70.13	75.30	82.76	76.81
	2,2,3	HSV	54.08	44.25	45.20	86.53	55.37	46.72	70.25	57.08	46.41	75.86	49.58
		Average RGB	37.63 0.00	43.05 1.74	46.69 0.84	87.86 63.78	56.53 14.75	56.31 30.07	71.57 59.19	52.83 13.80	42.16 0.00	66.28 60.31	54.75 43.75
		Lab	52.01	63.15	67.78	87.15	80.46	79.98	82.99	64.68	71.21	89.06	43.75 80.96
	2,1,6	HSV	46.46	45.35	42.02	81.26	54.66	48.87	74.77	55.46	47.79	81.73	52.11
		Average	32.82	36.75	36.88	77.40	49.96	52.97	72.32	44.65	39.67	77.03	58.94
		RGB	0.00	0.00	0.00	43.14	0.00	16.59	49.39	0.00	0.00	78.67	42.82
	2,1,7	Lab HSV	45.64 38.75	57.92 45.32	61.61 37.97	80.86 74.56	76.53 52.62	76.15 49.85	79.09 77.33	59.05 52.54	66.53 47.98	93.64 85.46	83.49 53.40
		Average	28.13	34.41	33.19	66.19	43.05	47.53	68.60	37.20	38.17	85.92	59.91
		RGB	90.13	14.14	66.03	10.00	27.30	5.06	0.00	33.80	23.66	0.00	0.00
	2,2,0	Lab	97.21	71.37	83.47	67.17	61.53	60.81	59.94	75.92	66.82	44.98	42.57
		HSV	78.41	30.19	51.55	61.89	45.82	28.38	38.52	50.35	31.12	36.96	29.25
		Average RGB	88.58 70.31	38.57 24.80	67.02 77.85	46.35 29.67	44.88 41.29	31.42 20.31	32.82 0.00	53.35 46.56	40.53 30.19	27.31 0.00	23.94 0.00
	224	Lab	88.46	74.57	90.33	75.72	69.56	68.62	67.57	79.50	73.14	53.53	51.15
	2,2,1	HSV	75.66	35.82	54.45	68.52	51.35	34.64	46.16	55.55	37.02	44.38	35.77
		Average	78.14	45.06	74.21	57.97	54.07	41.19	37.91	60.54	46.78	32.64	28.97
		RGB Lab	50.40 80.42	30.76 75.21	75.68 92.06	49.19 83.42	50.99 76.33	33.61 75.28	16.87 74.07	53.85 79.99	31.85 77.56	0.00 61.34	0.00 58.93
	2,2,2	HSV	70.93	40.91	56.08	74.40	56.13	40.49	53.69	79.99 59.84	42.43	51.63	41.93
		Average	67.25	48.96	74.61	69.00	61.15	49.79	48.21	64.56	50.61	37.66	33.62
				· <u></u>	· <u></u>		· <u></u>			· <u></u>			

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
		RGB Lab	30.41 72.65	30.72 73.57	61.71 87.40	68.07 90.44	53.49 81.82	43.47 80.59	33.28 79.40	52.95 77.64	28.23 79.53	0.00 68.85	13.87 66.27
	2,2,3	HSV	65.01	45.32	56.31	78.88	59.89	45.80	61.05	62.91	47.19	58.62	47.62
		Average	56.02	49.87	68.47	79.13	65.06	56.62	57.91	64.50	51.65	42.49	42.59
		RGB	10.33	24.62	44.10	83.59	47.65	47.80	47.24	44.16	19.99	16.04	29.36
	2,2,4	Lab HSV	65.57 58.41	70.41 48.86	81.21 55.11	94.65 80.95	84.88 62.32	83.53 50.40	82.59 68.13	73.69 64.43	78.77 51.11	75.56 65.21	72.68 52.65
		Average	44.77	47.97	60.14	86.40	64.95	60.58	65.99	60.76	49.96	52.27	51.56
		RGB	0.00	13.68	25.31	81.54	35.63	45.18	56.20	30.33	8.30	35.40	42.42
	2,2,5	Lab	58.71	66.10	74.73	91.98	85.19	83.56	83.03	68.66	75.82	81.76	78.53
		HSV Average	51.41 36.70	51.36 43.71	52.58 50.87	79.84 84.46	63.17 61.33	54.08 60.94	74.69 71.31	64.21 54.40	53.98 46.03	71.10 62.75	56.79 59.25
-		RGB	0.00	0.00	6.00	64.72	20.10	36.37	56.80	13.80	0.00	53.87	50.96
	2,2,6	Lab	51.85	61.13	68.12	86.09	82.41	81.09	81.01	63.13	71.63	87.29	83.54
	2,2,0	HSV	44.15	52.63	48.93	76.00	62.32	56.60	80.21	62.27	55.59	75.78	59.77
		Average RGB	32.00 0.00	37.92 0.00	41.02 0.00	75.60 45.31	54.94 2.69	58.02 23.42	72.67 48.65	46.40 0.00	42.41 0.00	72.31 69.61	64.75 52.36
	227	Lab	45.44	55.98	61.88	80.01	78.15	77.12	77.31	57.59	66.91	90.65	86.70
	2,2,7	HSV	36.72	52.59	44.38	70.47	59.89	57.75	83.59	58.87	55.81	78.45	61.32
		Average	27.39	36.19	35.42	65.26	46.91	52.77	69.85	38.82	40.91	79.57	66.79
		RGB Lab	90.44 97.16	13.39 71.22	66.12 83.58	9.59 67.17	27.23 61.60	5.07 60.90	0.00 59.92	33.18 75.81	23.69 66.91	0.00 44.98	0.00 42.65
	2,3,0	HSV	70.93	34.75	58.53	57.53	50.74	32.73	39.49	54.93	35.84	34.02	33.24
		Average	86.18	39.79	69.41	44.76	46.53	32.90	33.14	54.64	42.15	26.33	25.30
		RGB	71.22	22.54	79.01	28.37	41.35	20.54	0.00	44.66	30.51	0.00	0.00
	2,3,1	Lab HSV	88.49 68.83	73.74 40.81	90.81 61.96	75.42 63.36	69.69 56.90	68.82 39.43	67.22 47.27	78.84 60.74	73.39 42.22	53.26 41.07	51.29 40.19
		Average	76.18	45.70	77.26	55.72	55.98	42.93	38.16	61.41	48.71	31.44	30.49
		RGB	51.89	27.22	78.65	46.79	51.70	34.42	14.84	50.89	32.76	0.00	0.00
	2,3,2	Lab HSV	80.13 65.01	73.90 46.38	92.76	83.12 68.27	77.00 62.38	75.83 45.80	73.61 54.98	78.85 65.67	77.99 48.17	61.19 47.86	59.51
		Average	65.68	46.38	63.93 78.45	66.06	63.69	45.80 52.02	54.98 47.81	65.14	48.17 52.97	36.35	46.87 35.46
		RGB	32.44	26.46	65.27	64.11	55.39	45.37	30.35	49.74	29.89	0.00	14.82
	2,3,3	Lab	72.53	72.03	87.84	89.42	82.74	81.08	78.36	76.32	79.79	68.33	66.86
	,-, -	HSV	59.96	51.28	64.21	71.76	66.84	51.69	62.60	69.32	53.51	54.27	53.15
		Average RGB	54.98 12.88	49.92 20.33	72.44 47.98	75.10 77.29	68.32 50.76	59.38 51.23	57.10 43.42	65.13 41.53	54.40 22.38	40.87 12.11	44.94 31.42
	2,3,4	Lab	65.37	68.57	81.48	92.53	86.40	84.17	80.97	72.14	78.97	74.76	73.67
	2,3,4	HSV	54.08	55.29	62.75	73.27	69.83	56.92	70.05	71.17	58.01	60.13	58.85
		Average RGB	44.11 0.00	48.06 9.86	64.07 29.51	81.03 77.03	69.00 39.60	64.11 50.03	64.81 51.86	61.61 28.56	53.12 11.33	49.00 30.16	54.65 46.35
		Lab	58.45	64.20	74.96	90.04	86.67	84.57	81.25	67.17	76.25	80.50	80.03
	2,3,5	HSV	47.65	58.16	59.74	72.47	70.90	61.21	77.15	70.90	61.39	65.15	63.69
		Average	35.37	44.07	54.74	79.85	65.72	65.27	70.09	55.54	49.66	58.60	63.36
		RGB Lab	0.00 51.51	0.00 59.05	10.52 68.22	63.44 84.52	24.66 83.84	42.10 81.90	52.97 78.93	12.86 61.49	0.00 71.88	46.84 85.14	57.67 85.88
	2,3,6	HSV	40.85	59.65	55.50	69.54	69.83	64.23	83.47	68.55	63.34	68.92	67.29
		Average	30.79	39.57	44.75	72.50	59.44	62.74	71.79	47.63	45.07	66.97	70.28
		RGB	0.00	0.00	0.00	45.62	7.69	29.58	46.16	0.00	0.00	60.25	61.82
	2,3,7	Lab HSV	45.02 33.80	53.81 59.60	61.89 50.34	78.59 65.02	79.26 66.84	77.82 65.64	75.23 87.72	55.90 64.54	67.12 63.61	87.35 70.96	90.04 69.22
		Average	26.27	37.80	37.41	63.08	51.26	57.68	69.70	40.15	43.58	72.86	73.70
		RGB	90.70	12.64	66.19	9.17	27.16	5.08	0.00	32.57	23.72	0.00	0.00
	2,4,0	Lab	97.35	71.08	83.62	66.94	61.31	60.91	59.83	75.80	67.06	44.75	42.48
		HSV Average	63.25 83.76	38.62 40.78	65.10 71.63	52.23 42.78	54.80 47.76	36.38 34.12	39.43 33.09	58.49 55.62	39.88 43.55	30.29 25.01	36.48 26.32
		RGB	71.98	20.29	79.98	27.02	41.32	20.70	0.00	42.75	30.78	0.00	0.00
	2,4,1	Lab	88.18	72.81	91.11	75.30	70.19	69.02	66.87	77.94	73.45	53.18	51.65
		HSV Average	61.57 73.91	45.10 46.06	69.25 80.11	57.34 53.22	61.60 57.70	43.52 44.41	47.19 38.02	64.88 61.86	46.74 50.32	36.93 30.04	43.84 31.83
		RGB	53.12	23.65	81.36	44.27	52.11	35.05	12.72	47.85	33.49	0.00	0.00
	2,4,2	Lab	79.79	72.69	92.97	82.76	77.66	76.11	73.04	77.70	78.06	61.02	59.99
	4,7,4	HSV	58.41	51.15	71.73	61.47	67.87	50.40	54.90	70.50	53.25	43.22	51.01
		Average RGB	63.77 34.12	49.16 22.07	82.02 68.39	62.84 59.92	65.88 56.73	53.85 46.90	46.89 27.22	65.35 46.25	54.94 31.24	34.75 0.00	37.00 15.52
	2.4.2	Lab	72.27	70.36	88.20	88.15	83.45	81.68	77.30	74.92	80.21	67.70	67.45
	2,4,3	HSV	54.08	56.59	72.08	64.29	73.23	56.92	62.50	74.83	59.25	49.05	57.90
		Average	53.49 14.98	49.67 15.73	76.22 51.30	70.79 70.96	71.14 53.13	61.83 54.10	55.67 39.23	65.33 38.35	56.90 24.35	38.92 7.95	46.96 32.99
	2.4.4	RGB Lab	14.98 64.86	15./3	51.30 81.44	70.96 90.54	53.13 87.37	54.10 84.98	79.67	38.35 70.64	79.31	7.95	74.68
	2,4,4	HSV	48.87	61.15	70.23	65.47	77.04	62.88	69.92	77.13	64.48	54.23	64.35
		Average	42.90	47.88	67.66	75.66	72.51	67.32	62.94	62.04	56.05	45.41	57.34
		RGB Lab	0.00 57.82	5.49 62.11	33.06 74.72	71.16 87.79	42.70 87.72	54.22 85.16	46.87 79.32	26.02 65.41	13.84 76.29	24.57 79.19	49.53 81.50
	2,4,5	HSV	43.03	64.49	66.54	64.85	78.46	67.96	76.98	76.79	68.55	58.53	70.07
		Average	33.62	44.03	58.11	74.60	69.63	69.11	67.72	56.07	52.89	54.10	67.03
		RGB Lab	0.00 51.05	0.00 57.09	14.31 68.11	60.14 82.76	28.27 84.62	47.06 82.37	48.01 76.95	11.01 59.92	0.77 71.96	39.43 82.93	63.63 87.74
	2,4,6	HSV	36.72	66.26	61.55	62.51	77.04	71.69	83.23	73.91	70.97	61.65	74.56
		Average	29.26	41.12	47.99	68.47	63.31	67.04	69.40	48.28	47.90	61.34	75.31
		RGB	0.00	0.00	0.00	43.98	11.79	35.02	41.97	0.00	0.00	50.46	71.45
	2,4,7	Lab HSV	44.50 30.08	51.80 66.20	61.66 55.68	77.01 58.75	79.85 73.23	77.96 73.49	73.16 87.40	54.26 69.19	66.97 71.31	84.40 63.28	92.84 77.09
		Average	24.86	39.33	39.11	59.91	54.96	62.16	67.51	41.15	46.09	66.04	80.46
		RGB	90.89	11.88	66.24	8.75	27.08	5.08	0.00	31.95	23.74	0.00	0.00
	2,5,0	Lab	97.23	70.77	83.61	66.94 46.28	61.55	60.88	59.67	75.44	66.92	44.74	42.60
		HSV Average	55.48 81.20	41.65 41.44	70.97 73.61	46.28 40.66	57.73 48.79	39.21 35.05	38.33 32.67	60.74 56.04	43.08 44.58	25.90 23.55	38.85 27.15
		RGB	72.56	18.02	80.74	25.63	41.20	20.82	0.00	40.81	30.97	0.00	0.00
	2,5,1	Lab	88.08	72.06	91.58	74.94	70.18	69.26	66.58	77.39	73.79	52.88	51.74
	'	HSV	54.08 71.57	48.52 46.20	76.12 82.81	50.77 50.45	65.10 58.83	46.72 45.60	45.94 37.51	67.56 61.92	50.38 51.72	32.10 28.33	46.54 32.76
		Average RGB	71.57 54.06	20.06	83.69	41.63	58.83	35.50	10.52	44.73	34.05	0.00	0.00
	2,5,2	Lab	79.57	71.45	93.52	82.08	77.90	76.48	72.42	76.66	78.44	60.57	60.27
	۷,۵,۷	HSV	51.41	55.03	79.40	54.30	72.14	54.08	53.43	73.75	57.45	37.90	54.13
		Average RGB	61.68 35.40	48.84 17.58	85.54 70.96	59.34 55.56	67.43 57.46	55.35 48.02	45.46 23.92	65.05 42.53	56.65 32.27	32.82 0.00	38.13 15.95
			33.40	1 17.38	70.96	33.30	37.40	40.02	43.94	42.33	34.4/	U.UU	10.90
	253	Lab	71.84	69.05	88.11	87.22	84.02	82.08	76.50	73.76	80.36	67.33	67.99

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
	2,3,3	HSV	47.65	61.00	79.89	56.65	78.55	61.21	60.75	78.74	64.15	43.18	61.58
		Average RGB	51.63 16.58	49.21 10.85	79.65 53.95	66.48 64.63	73.34 54.62	63.77 56.30	53.72 34.75	65.01 34.69	58.93 25.86	36.84 3.58	48.50 34.03
	2,5,4	Lab	64.51	65.14	81.33	88.67	88.18	85.21	78.16	69.23	79.26	73.10	75.29
	2,3,4	HSV	43.03	66.15	77.39	57.62	83.55	67.96	67.76	81.52	70.23	47.78	68.78
		Average RGB	41.37 0.00	47.38 0.65	70.89 35.85	70.30 64.59	75.45 44.80	69.82 57.55	60.22 41.38	61.81 22.79	58.45 15.77	41.49 18.70	59.37 51.80
	2,5,5	Lab	57.41	60.43	74.52	85.94	88.39	85.30	77.59	64.00	76.18	77.78	82.33
	2,3,3	HSV	37.73	70.04	72.72	57.11	85.60	74.01	74.23	81.10	75.22	51.51	75.51
		Average RGB	31.71 0.00	43.71 0.00	61.03 17.36	69.21 55.06	72.93 30.85	72.29 51.16	64.40 41.98	55.96 8.20	55.72 3.12	49.33 31.46	69.88 68.55
	2,5,6	Lab	50.52	55.22	67.80	80.95	84.97	82.40	74.98	58.36	71.77	80.77	89.09
	,,_	HSV Average	31.91 27.48	72.16 42.46	66.78 50.65	55.17 63.73	83.55 66.46	78.78 70.78	79.62 65.53	77.66 48.07	78.37 51.09	54.14 55.46	81.26 79.63
		RGB	0.00	0.00	0.00	40.63	14.56	39.17	36.67	0.00	0.00	40.91	80.41
	2,5,7	Lab	43.70	49.77	61.07	75.19	79.75	77.69	71.10	52.53	66.54	81.75	95.27
		HSV Average	25.70 23.13	72.09 40.62	60.14 40.40	51.98 55.94	78.55 57.62	81.25 66.04	82.88 63.55	72.29 41.61	78.83 48.46	55.50 59.39	84.88 86.85
		RGB	91.03	11.13	66.27	8.33	26.99	5.07	0.00	31.33	23.75	0.00	0.00
	2,6,0	Lab	97.23	70.77	83.61	66.94	61.55	60.88	59.67	75.44	66.92	44.74	42.60
		HSV Average	47.65 78.64	43.72 41.87	75.63 75.17	39.86 38.38	59.30 49.28	41.09 35.68	36.25 31.97	61.45 56.07	45.31 45.33	20.95 21.90	40.26 27.62
		RGB	72.95	15.76	81.27	24.21	41.00	20.87	0.00	38.86	31.10	0.00	0.00
	2,6,1	Lab	87.87	71.59	91.65	74.85	70.40	69.34	66.39	76.93	73.79	52.82	51.90
		HSV Average	46.46 69.09	50.87 46.08	82.06 84.99	43.84 47.63	67.02 59.47	48.87 46.36	43.58 36.66	68.43 61.41	52.96 52.62	26.73 26.52	48.15 33.35
		RGB	54.70	16.45	85.45	38.89	52.05	35.76	8.24	41.55	34.42	0.00	0.00
	2,6,2	Lab	79.30	70.74	93.45	81.79	78.20	76.61	72.05	75.99	78.45	60.43	60.52
		HSV Average	44.15 59.38	57.74 48.31	86.75 88.55	46.91 55.86	74.59 68.28	56.60 56.32	50.71 43.67	74.83 64.12	60.48 57.78	32.07 30.83	56.02 38.85
		RGB	36.27	12.99	72.81	51.08	57.55	48.73	20.47	38.61	32.96	0.00	16.10
	2,6,3	Lab	71.34	67.74	87.86 97.52	86.22	84.48	82.38	75.65	72.57	80.42	66.90	68.48
		HSV Average	40.85 49.49	64.16 48.30	87.52 82.73	48.92 62.07	81.84 74.62	64.23 65.11	57.56 51.23	80.08 63.76	67.81 60.40	36.86 34.59	63.85 49.48
		RGB	17.67	5.75	55.81	58.29	55.17	57.74	30.02	30.63	26.88	0.00	34.53
	2,6,4	Lab HSV	64.05 36.72	63.97 69.85	81.10 83.80	87.36 49.73	88.34 88.16	85.59 71.69	77.28 63.95	68.23 83.09	79.40 74.75	72.50 40.97	75.79 71.63
		Average	39.48	46.52	73.57	65.13	77.22	71.67	57.08	60.65	60.34	37.82	60.65
		RGB	0.00	0.00	37.85	57.34	45.78	59.87	35.26	18.76	17.12	12.34	53.05
	2,6,5	Lab HSV	56.87 31.91	59.07 74.30	74.13 77.74	84.42 49.30	88.50 91.22	85.29 78.78	76.29 69.59	62.81 82.63	75.98 80.89	76.75 44.24	82.98 79.26
		Average	29.59	44.46	63.24	63.69	75.17	74.65	60.38	54.73	58.00	44.44	71.76
		RGB	0.00	0.00	19.35	49.04	32.09	53.81	35.55	4.69	4.64	23.61	71.43
	2,6,6	Lab HSV	49.99 26.56	53.94 76.80	67.39 70.76	79.64 47.66	84.83 88.16	82.21 84.99	73.68 74.00	57.26 78.93	71.49 85.20	79.43 46.51	89.84 86.54
		Average	25.51	43.58	52.50	58.78	68.36	73.67	61.08	46.96	53.77	49.85	82.60
		RGB	0.00	0.00	0.56	35.83	16.05	41.97	30.42	0.00	0.00	31.33	88.15
	2,6,7	Lab HSV	43.32 20.76	48.54 76.72	60.81 63.39	74.05 44.90	79.62 81.84	77.54 88.75	69.80 76.47	51.52 73.31	66.35 85.88	79.93 47.67	96.41 92.33
		Average	21.36	41.75	41.59	51.59	59.17	69.42	58.90	41.61	50.74	52.98	92.30
		RGB	91.10	10.38 70.62	66.29	7.90	26.89	5.06	0.00	30.71	23.76	0.00 44.74	0.00
	2,7,0	Lab HSV	97.13 39.79	44.71	83.72 78.28	66.93 33.12	61.62 59.35	60.96 41.93	59.65 33.29	75.33 60.54	67.01 46.44	15.54	42.68 40.62
		Average	76.01	41.90	76.10	35.98	49.29	35.98	30.98	55.53	45.74	20.09	27.77
		RGB Lab	73.15 87.54	13.50 70.93	81.54 91.77	22.75 74.70	40.70 70.68	20.87 69.48	0.00 66.13	36.88 76.32	31.17 73.86	0.00 52.74	0.00 52.14
	2,7,1	HSV	38.75	52.01	85.88	36.67	67.08	49.85	40.25	67.32	54.28	20.93	48.57
		Average	66.48	45.48	86.40	44.71	59.48	46.73	35.46	60.17	53.10	24.55	33.57
		RGB Lab	55.02 78.93	12.82 69.91	86.41 93.52	36.06 81.40	51.58 78.41	35.83 76.91	5.89 71.70	38.32 75.27	34.61 78.69	0.00 60.24	0.00 60.81
	2,7,2	HSV	36.72	59.07	92.71	39.37	74.67	57.75	46.93	73.46	62.06	25.85	56.52
		Average RGB	56.89 36.71	47.27 8.34	90.88 73.78	52.28 46.50	68.22 57.00	56.83 48.98	41.51 16.89	62.35 34.55	58.45 33.31	28.70 0.00	39.11 15.98
	272	Lab	71.08	67.12	87.74	85.71	84.59	82.58	75.28	72.04	80.53	66.67	68.70
	2,7,3	HSV	33.80	65.74	94.22	41.12	81.95	65.64	53.22	78.37	69.77	30.21	64.46
		Average RGB	47.20 18.23	47.07 0.16	85.25 56.79	57.78 51.59	74.51 54.68	65.73 58.34	48.46 24.83	61.65 25.98	61.20 27.41	32.29 0.00	49.72 34.45
	2,7,4	Lab	63.70	63.10	80.82	86.44	88.58	85.56	76.51	67.45	79.22	72.04	76.11
	-,,,-	HSV	30.08	71.74	88.17	41.83	88.32	73.49	58.93	81.10	77.30	33.90	72.40
		Average RGB	37.34 0.00	45.00 0.00	75.26 38.79	59.95 50.18	77.19 45.51	72.46 60.79	53.42 29.13	58.18 14.37	61.31 17.75	35.31 6.07	60.99 53.10
	2,7,5	Lab	56.54	58.32	73.90	83.58	88.34	85.34	75.61	62.18	75.93	76.16	83.28
	/· /=	HSV	25.70 27.42	76.55 44.96	80.69 64.46	41.46 58.41	91.45 75.10	81.25 75.79	63.78 56.17	80.69 52.41	84.42 59.37	36.80 39.68	80.34 72.24
		Average RGB	0.00	0.00	20.35	42.26	32.04	54.98	28.68	0.49	5.39	15.62	71.92
	2,7,6	Lab	49.59	53.06	67.09	78.71	84.52	82.11	72.84	56.51	71.35	78.49	90.24
		HSV Average	20.76 23.45	79.32 44.13	72.94 53.46	40.03 53.67	88.32 68.29	88.75 75.28	67.40 56.31	77.30 44.77	90.17 55.64	38.80 44.30	88.26 83.47
		RGB	0.00	0.00	1.61	29.87	16.19	43.23	23.45	0.00	0.00	21.72	90.83
	2,7,7	Lab	42.93	47.71	60.50	73.23	79.28	77.36	68.99	50.81	66.16	78.86	96.91
		HSV Average	15.37 19.43	79.23 42.31	65.10 42.40	37.61 46.90	81.95 59.14	94.73 71.77	69.33 53.92	72.01 40.94	91.23 52.47	39.81 46.79	96.07 94.61
		RGB	89.35	15.63	65.82	10.81	27.41	5.02	0.00	35.01	23.57	0.00	0.00
	3,0,0	Lab	97.27	71.69	83.47	67.17	61.29	60.84	60.10	76.28	66.96	44.98	42.45
		HSV Average	88.15 91.59	20.17 35.83	36.66 61.98	66.78 48.25	34.45 41.05	17.84 27.90	33.13 31.08	38.18 49.82	19.80 36.78	39.60 28.19	19.43 20.63
		RGB	68.21	29.36	74.84	31.97	40.95	19.37	1.23	50.06	29.02	0.00	0.00
	3,0,1	Lab HSV	88.67 83.67	76.32 25.04	89.26 38.85	75.77 74.67	68.54 38.94	68.00 23.23	68.04 40.08	81.07 42.28	72.71 24.81	53.58 47.39	50.36 25.09
		Average	80.18	43.57	67.65	60.80	49.48	36.87	36.45	57.80	42.18	33.66	25.09
		RGB	47.05	37.99	69.09	53.13	49.01	30.87	20.04	59.14	29.01	0.00	0.00
	3,0,2	Lab HSV	80.51 77.21	77.93 29.35	90.25 40.06	83.92 82.50	74.86 42.68	74.23 28.14	75.10 46.74	82.34 45.52	76.74 29.27	61.73 55.12	57.82 30.31
		Average	68.26	48.43	66.47	73.19	55.52	44.41	47.30	62.33	45.01	38.95	29.38
		RGB	25.89	39.37	53.79	74.29	48.89	37.81	37.48	58.12	23.48	1.05	10.55
	3,0,3	Lab HSV	72.81 70.02	76.94 32.99	85.81 40.22	91.61 90.16	79.47 45.50	78.71 32.48	80.96 53.01	80.35 47.74	78.17 33.09	69.41 62.77	64.47 34.97
		Average	56.24	49.77	59.94	85.35	57.95	49.67	57.15	62.07	44.91	44.41	36.66
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Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
		RGB	4.71	33.02	35.36	95.28	40.64	38.67	52.10	47.60	13.49	22.23	23.10
	3,0,4	Lab	65.79	74.24	79.92	98.55	81.46	80.88	85.03	76.62	77.21	76.43	69.92
		HSV Average	62.53 44.35	35.85 47.70	39.34 51.54	96.26 96.70	47.27 56.46	36.11 51.89	58.68 65.27	48.80 57.67	36.14 42.28	70.26 56.31	38.94 43.99
		RGB	0.00	20.50	15.76	83.00	26.71	33.37	60.84	31.73	0.47	43.62	32.09
	205	Lab	58.77	69.95	73.54	94.29	81.06	80.77	86.36	71.52	74.41	83.42	74.76
	3,0,5	HSV	54.88	37.82	37.45	92.42	47.87	38.93	63.50	48.65	38.31	77.42	42.10
		Average	37.88	42.76	42.25	89.91	51.88	51.02	70.23	50.63	37.73	68.16	49.65
		RGB	0.00	4.57	0.00	61.83	10.03	22.83	58.99	13.50	0.00	64.76	35.55
	3,0,6	Lab	52.20	65.05	67.31	87.73	78.65	78.37	84.32	66.03	70.36	89.90	78.25
		HSV Average	47.14 33.11	38.81 36.14	34.64 33.98	84.93 78.16	47.27 45.32	40.80 47.33	67.09 70.13	47.28 42.27	39.50 36.62	83.85 79.50	44.29 52.70
		RGB	0.00	0.00	0.00	40.62	0.00	8.95	47.97	0.00	0.00	85.61	32.81
		Lab	45.63	59.66	60.96	81.16	74.72	74.46	80.20	60.20	65.52	96.08	80.11
	3,0,7	HSV	39.35	38.78	31.02	77.12	45.50	41.64	69.00	44.80	39.67	88.23	45.40
		Average	28.33	32.82	30.66	66.30	40.07	41.68	65.73	35.00	35.06	89.98	52.77
		RGB	89.92	14.90	65.65	10.23	27.35	4.73	0.00	34.20	23.27	0.00	0.00
	3,1,0	Lab	97.21	71.37	83.47	67.17	61.53	60.81	59.94	75.92	66.82	44.98	42.57
		HSV	83.67 90.27	25.81 37.36	44.05 64.39	65.32 47.58	40.55 43.14	23.23 29.59	35.97 31.97	44.01 51.38	25.49 38.53	38.56 27.85	24.57 22.38
		Average RGB	69.89	27.21	75.47	30.23	41.33	18.80	0.00	47.66	28.55	0.00	0.00
	244	Lab	88.79	75.10	89.46	75.53	69.12	67.94	67.38	79.81	72.44	53.33	50.60
	3,1,1	HSV	80.17	31.08	46.53	72.79	45.54	29.03	43.26	48.57	30.91	46.20	30.65
		Average	79.62	44.46	70.49	59.51	52.00	38.59	36.88	58.68	43.96	33.18	27.08
		RGB	49.68	34.93	71.88	50.36	50.77	30.71	17.09	55.84	29.13	0.00	0.00
	3,1,2	Lab	80.62	76.49	90.78	83.62	75.75	74.32	74.27	80.92	76.60	61.44	58.24
		HSV Average	74.59 68.30	35.79 49.07	47.92 70.19	79.88 71.29	49.76 58.76	34.38 46.47	50.35 47.23	52.23 63.00	35.80 47.17	53.74 38.39	36.32 31.52
		RGB	29.44	36.28	57.93	70.33	52.80	38.74	33.55	55.38	24.57	0.00	10.89
	212	Lab	73.35	75.32	86.83	90.65	80.67	78.96	79.53	79.00	78.30	68.62	64.87
	3,1,3	HSV	67.99	39.82	48.11	86.01	53.01	39.15	57.14	54.78	40.03	61.11	41.45
		Average	56.92	50.47	64.29	82.33	62.16	52.28	56.74	63.05	47.63	43.24	39.07
		RGB	9.33	31.07	40.55	88.79	46.77	40.94	47.13	46.47	15.52	17.44	24.43
	3,1,4	Lab HSV	66.08 60.88	72.30 43.02	80.68 47.09	96.54 89.38	83.75 55.08	81.47 43.21	83.10 63.45	75.02 56.02	77.34 43.45	75.73 68.20	71.05 45.90
		Average	45.43	48.80	47.09 56.11	89.38 91.57	55.08 61.86	43.21 55.21	64.56	56.02	45.43	53.79	45.90 47.13
		RGB	0.00	20.23	21.91	86.27	34.51	37.27	55.92	32.39	3.53	37.52	35.25
	3,1,5	Lab	59.25	68.17	74.38	93.87	83.99	81.39	83.94	70.11	74.50	82.28	76.31
	3,1,3	HSV	53.50	45.25	44.93	87.50	55.78	46.40	69.00	55.84	45.91	74.78	49.49
		Average	37.59	44.55	47.07	89.21	58.09	55.02	69.62	52.78	41.31	64.86	53.69
		RGB	0.00	6.06	2.83	67.27	19.16	28.17	56.17	15.72	0.00	57.07	41.22
	3,1,6	Lab HSV	52.65 45.96	63.32 46.38	68.16 41.76	87.69 81.95	81.63	79.35 48.54	82.21	64.75	70.72 47.28	88.29 80.32	80.65 52.02
		Average	32.87	38.59	37.58	78.97	55.08 51.95	52.02	73.32 70.56	54.26 44.91	39.33	75.23	57.96
		RGB	0.00	0.00	0.00	47.13	1.74	15.63	48.13	0.00	0.00	75.69	41.23
	217	Lab	46.28	58.22	61.97	81.45	77.70	75.56	78.56	59.20	66.04	93.00	83.18
	3,1,7	HSV	38.32	46.34	37.73	75.06	53.01	49.51	75.72	51.42	47.47	83.73	53.31
		Average	28.20	34.86	33.23	67.88	44.15	46.90	67.47	36.87	37.83	84.14	59.24
		RGB	90.45	14.11	65.48	9.65	27.28	4.48	0.00	33.39	23.01	0.00	0.00
	3,2,0	Lab HSV	97.43 77.21	71.22 30.99	83.28 51.25	66.94 62.22	61.33 46.16	60.61 28.14	59.73 37.91	75.77 49.27	66.65 30.74	44.75 36.54	42.36 29.18
		Average	88.36	38.78	66.67	46.27	44.92	31.08	32.55	52.81	40.13	27.10	23.85
		RGB	71.31	25.02	76.16	28.62	41.57	18.46	0.00	45.43	28.30	0.00	0.00
	3,2,1	Lab	88.86	74.19	89.86	75.25	69.38	68.08	66.97	79.02	72.56	53.07	50.77
	3,2,1	HSV	74.59	36.69	54.13	68.93	51.73	34.38	45.46	54.35	36.60	43.90	35.70
		Average	78.25	45.30	73.38	57.60	54.22	40.31	37.48	59.60	45.82	32.32	28.82
		RGB	52.12	31.75	74.39	47.44	52.26	30.37	14.06	52.44	29.06	0.00	0.00
	3,2,2	Lab HSV	80.87 70.02	75.13 41.86	91.31 55.75	82.99 74.90	76.30 56.55	74.28 40.20	73.32 52.88	79.65 58.52	76.46 41.97	60.89 51.08	58.39 41.86
		Average	67.67	49.58	73.81	68.44	61.70	48.28	46.75	63.53	49.16	37.32	33.42
		RGB	32.89	32.98	61.79	65.79	56.57	38.94	29.15	52.09	25.11	0.00	10.71
	3,2,3	Lab	73.28	73.47	87.16	89.78	82.15	79.13	78.17	77.27	78.09	68.15	65.57
	3,2,3	HSV	64.26	46.34	55.97	79.49	60.35	45.49	60.09	61.48	46.68	57.99	47.53
		Average	56.81	50.93	68.30	78.35	66.35	54.52	55.80	63.61	49.96	42.05	41.27
		RGB Lab	13.62 66.40	28.41 70.38	45.36 81.34	81.99 94.05	52.65 85.92	42.60 81.70	41.82 80.95	44.49 73.40	17.09 77.25	12.38 74.60	25.26 71.83
	3,2,4	HSV	57.78	49.96	54.78	81.62	62.82	50.06	66.97	62.94	50.56	64.45	52.55
		Average	45.93	49.58	60.49	85.89	67.13	58.12	63.25	60.27	48.30	50.47	49.88
		RGB	0.00	18.97	27.63	84.86	42.12	40.41	50.16	31.98	6.02	30.96	37.61
	3,2,5	Lab	59.54	66.24	75.05	92.28	86.68	82.04	81.66	68.60	74.69	80.78	77.71
		HSV	50.86	52.51	52.27	80.48	63.68	53.71	73.24	62.73	53.40	70.19	56.69
		Average RGB	36.80 0.00	45.91 6.10	51.65 9.33	85.87 70.17	64.16 27.77	58.72 32.91	68.35 51.81	54.44 16.72	0.00	60.64 48.90	57.34 46.19
	225	Lab	52.91	61.53	68.66	86.88	84.36	79.73	79.87	63.31	70.64	86.15	82.54
	3,2,6	HSV	43.67	53.82	48.64	76.53	62.82	56.21	78.38	60.87	55.00	74.70	59.66
		Average	32.19	40.48	42.21	77.86	58.31	56.28	70.02	46.97	41.88	69.92	62.80
		RGB	0.00	0.00	0.00	51.93	11.42	21.56	46.09	0.00	0.00	65.14	49.01
	3,2,7	Lab	46.49	56.43	62.47	80.87	80.15	76.14	76.49	57.82	66.13	89.73	86.00
		HSV Average	36.30 27.60	53.78 36.73	44.12 35.53	70.89 67.90	60.35 50.64	57.35 51.68	81.43 68.00	57.58 38.47	55.22 40.45	77.25 77.37	61.21 65.40
		RGB	90.93	13.37	65.28	9.07	27.20	4.18	0.00	32.58	22.69	0.00	0.00
	2.2.0	Lab	97.43	71.22	83.28	66.94	61.33	60.61	59.73	75.77	66.65	44.75	42.36
	3,3,0	HSV	70.02	35.61	58.18	57.82	51.12	32.48	38.87	53.75	35.43	33.62	33.17
		Average	86.13	40.07	68.91	44.61	46.55	32.42	32.87	54.03	41.59	26.12	25.18
		RGB	72.58	22.81	76.65	26.98	41.70	18.06	0.00	43.19	27.99	0.00	0.00
	3,3,1	Lab	88.83	73.25	89.80	74.94	69.71	67.92	66.38	78.05	72.26	52.78	50.86
		HSV	67.99 76.47	41.76 45.94	61.57 76.01	63.71 55.21	57.33 56.25	39.15 41.71	46.56 37.65	59.38 60.21	41.76 47.34	40.62 31.13	40.12 30.33
		Average RGB	54.33	28.45	76.52	44.40	53.45	29.83	10.97	48.95	28.80	0.00	0.00
	2.2.2	Lab	80.72	73.49	91.53	82.41	77.15	74.32	72.33	78.05	76.23	60.49	58.81
	3,3,2	HSV	64.26	47.42	63.52	68.67	62.87	45.49	54.15	64.13	47.65	47.35	46.79
		Average	66.44	49.79	77.19	65.16	64.49	49.88	45.82	63.71	50.90	35.94	35.20
		RGB	36.04	29.34	65.22	60.99	59.90	38.71	24.61	48.40	25.30	0.00	10.24
	3,3,3	Lab	73.30	71.64	87.36	88.45	83.38	78.99	76.57	75.57	77.68	67.35	65.97
		HSV Average	59.30 56.21	52.43 51.14	63.80 72.13	72.21 73.88	67.40 70.23	51.34 56.35	61.61 54.26	67.60 63.86	52.94 51.97	53.69 40.35	53.06 43.09
		RGB	17.53	25.10	49.72	75.10	58.15	43.57	36.24	41.71	18.19	7.09	25.52
	3 3 4	Lab	66.39	68.57	81.56	91.91	87.71	81.70	79.09	71.82	76.97	73.58	72.47
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Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
	3,3,4	HSV	53.50	56.55 50.07	62.35	73.75	70.45	56.53	68.81	69.36	57.38	59.47	58.74
		Average RGB	45.81 0.00	16.72	64.54 32.83	80.25 79.67	72.10 49.39	60.60 42.68	61.38 43.79	60.96 30.51	50.85 7.93	46.71 24.05	52.24 39.06
	3,3,5	Lab	59.40	64.14	75.10	90.06	89.27	81.91	79.16	66.77	74.20	79.21	78.84
	3,3,5	HSV	47.14	59.51	59.38	72.93	71.54	60.78	75.55	69.10	60.71	64.39	63.57
		Average RGB	35.52 0.00	46.79 5.17	55.77 15.35	80.89 70.11	70.06 36.27	61.79 36.54	66.17 45.89	55.46 16.62	47.61 0.00	55.89 40.08	60.49 49.79
	3,3,6	Lab	52.93	59.51	68.92	85.38	86.83	79.88	77.41	61.67	70.44	83.64	84.22
	3,3,0	HSV	40.40	61.05	55.17	69.96	70.45	63.76	81.32	66.88	62.62	68.08	67.16
		Average RGB	31.11 0.00	41.91 0.00	46.48 0.00	75.15 54.39	64.52 20.62	60.06 26.52	68.21 42.05	48.39 1.03	44.35 0.00	63.94 54.32	67.06 55.74
	3,3,7	Lab	46.68	54.59	62.86	79.87	82.43	76.35	74.21	56.37	66.02	86.24	88.34
	2,2,1	HSV	33.39 26.69	61.00 38.53	50.05 37.64	65.38 66.55	67.40 56.82	65.15 56.01	84.95 67.07	63.05 40.15	62.88 42.97	70.06 70.21	69.08 71.05
		Average RGB	91.35	12.58	65.08	8.48	27.12	3.92	0.00	31.77	22.42	0.00	0.00
	3,4,0	Lab	97.20	70.75	83.38	66.94	61.64	60.66	59.54	75.30	66.59	44.74	42.55
		HSV Average	62.53 83.69	39.53 40.95	64.68 71.05	52.50 42.64	55.21 47.99	36.11 33.57	38.81 32.78	57.21 54.76	39.44 42.82	29.91 24.88	36.41 26.32
		RGB	73.85	20.62	76.59	25.12	41.77	17.28	0.00	40.75	27.27	0.00	0.00
	3,4,1	Lab	88.74	72.33	90.04	74.60	69.92	68.01	65.93	77.24	72.32	52.49	50.99
		HSV Average	60.88 74.49	46.12 46.36	68.77 78.47	57.64 52.45	62.08 57.92	43.21 42.83	46.48 37.47	63.37 60.45	46.24 48.61	36.50 29.66	43.76 31.58
		RGB	56.29	25.06	78.16	41.24	54.31	29.11	7.83	45.39	28.35	0.00	0.00
	3,4,2	Lab	80.53	72.15	91.54	81.81	77.73	74.28	71.48	76.77	76.01	60.07	59.07
		HSV Average	57.78 64.87	52.30 49.84	71.21 80.30	61.80 61.62	68.45 66.83	50.06 51.15	54.07 44.46	68.72 63.62	52.69 52.35	42.75 34.27	50.92 36.66
		RGB	38.67	25.31	68.16	56.18	62.46	38.38	20.25	44.48	25.37	0.00	9.70
	3,4,3	Lab	73.24	70.01	87.56	87.09	84.18	78.99	75.24	74.13	77.55	66.51	66.25
		HSV Average	53.50 55.14	57.89 51.07	71.55 75.76	64.65 69.31	73.93 73.52	56.53 57.97	61.50 52.33	72.77 63.79	58.61 53.84	48.52 38.35	57.79 44.58
		RGB	21.15	21.36	53.50	68.02	63.40	43.49	30.16	38.22	18.59	1.39	24.98
	3,4,4	Lab	66.18	66.54	81.52	89.57	89.46	81.54	77.06	70.01	76.55	72.35	73.05
		HSV Average	48.35 45.23	62.61 50.17	69.74 68.25	65.84 74.48	77.86 76.91	62.42 62.48	68.69 58.63	74.88 61.04	63.74 52.96	53.65 42.46	64.22 54.08
		RGB	3.41	13.55	37.33	72.76	56.17	43.93	36.97	28.04	9.18	16.85	39.53
	3,4,5	Lab	59.34	62.16	75.14	87.77	91.59	81.58	76.76	65.07	73.72	77.28	79.47
		HSV Average	42.56 35.10	66.09 47.27	66.11 59.53	65.21 75.25	79.33 75.70	67.43 64.31	75.39 63.04	74.57 55.89	67.72 50.21	57.89 50.67	69.92 62.97
		RGB	0.00	2.86	20.51	66.80	43.89	39.19	39.21	15.23	0.00	31.17	52.13
	3,4,6	Lab	52.80	57.51	68.87	83.54	88.88	79.48	74.90	59.96	69.88	81.06	85.24
		HSV Average	36.30 29.70	67.95 42.77	61.16 50.18	62.85 71.06	77.86 70.21	71.09 63.25	81.11 65.07	71.91 49.03	70.06 46.65	60.96 57.73	74.39 70.59
		RGB	0.00	0.00	3.48	53.98	29.28	30.42	36.18	0.73	0.00	43.07	61.05
	3,4,7	Lab	46.20	52.26	62.49	78.00	83.81	75.76	71.49	54.36	65.23	82.89	90.17
		HSV Average	29.70 25.30	67.89 40.05	55.35 40.44	59.06 63.68	73.93 62.34	72.85 59.68	84.69 64.12	67.48 40.86	70.40 45.21	62.56 62.84	76.90 76.04
		RGB	91.56	11.83	65.12	8.06	27.03	3.92	0.00	31.16	22.44	0.00	0.00
	3,5,0	Lab	97.12	70.60	83.49	66.93	61.71	60.74	59.52	75.19	66.68	44.74	42.63
		HSV Average	54.88 81.19	42.61 41.68	70.46 73.03	46.51 40.50	58.17 48.97	38.93 34.53	37.72 32.41	59.38 55.24	42.62 43.91	25.54 23.43	38.78 27.14
		RGB	74.78	18.37	76.60	23.40	41.70	16.77	0.00	38.49	26.83	0.00	0.00
	3,5,1	Lab	88.41	71.58	90.09	74.47	70.31	68.08	65.60	76.50	72.25	52.41	51.25
		HSV Average	53.50 72.23	49.61 46.52	75.50 80.73	51.02 49.63	65.63 59.21	46.40 43.75	45.24 36.95	65.94 60.31	49.85 49.64	31.71 28.04	46.45 32.57
		RGB	57.94	21.59	79.19	37.99	54.82	28.21	4.63	41.76	27.71	0.00	0.00
	3,5,2	Lab	80.31	70.93	91.56	81.17	78.14	74.31	70.71	75.64	75.91	59.63	59.29
		HSV Average	50.86 63.04	56.28 49.60	78.69 83.15	54.58 57.91	72.82 68.59	53.71 52.08	52.63 42.66	71.77 63.06	56.83 53.49	37.48 32.37	54.03 37.77
		RGB	41.05	21.13	70.33	51.07	64.54	37.32	15.51	40.21	24.85	0.00	8.66
	3,5,3	Lab	72.89	68.42	87.19	85.87	85.04	78.72	73.92	72.61	77.02	65.85	66.57
		HSV Average	47.14 53.69	62.45 50.67	79.16 78.89	56.94 64.63	79.43 76.34	60.78 58.94	59.80 49.74	76.34 63.05	63.42 55.09	42.72 36.19	61.46 45.56
		RGB	24.08	16.94	56.47	61.07	67.55	43.00	24.20	34.17	18.66	0.00	24.14
	3,5,4	Lab	65.74	64.77	81.03	87.65	90.89	81.01	75.28	68.35	75.79	71.35	73.46
		HSV Average	42.56 44.13	67.83 49.84	76.74 71.42	57.92 68.88	84.72 81.05	67.43 63.81	66.61 55.37	78.80 60.44	69.35 54.60	47.27 39.54	68.63 55.41
		RGB	7.07	9.56	40.99	65.08	62.12	44.07	29.83	24.63	9.75	9.45	38.95
	3,5,5	Lab HSV	59.06 37.30	60.45 71.96	74.85 72.18	85.79 57.40	93.25 86.95	80.99 73.37	74.76 72.80	63.55 78.43	73.06 74.17	75.68 50.96	79.80 75.33
		Average	34.48	47.32	62.67	69.42	80.77	66.14	59.13	55.54	52.33	45.36	64.69
		RGB	0.00	0.00	24.87	60.88	50.70	40.63	31.60	12.57	0.00	21.76	52.88
	3,5,6	Lab HSV	52.37 31.52	55.53 74.23	68.46 66.34	81.55 55.46	90.11 84.72	78.75 77.99	72.57 77.84	58.22 75.36	69.10 77.17	78.75 53.57	85.82 81.03
		Average	27.97	43.26	53.22	65.96	75.18	65.79	60.67	48.71	48.76	51.36	73.24
		RGB	0.00	0.00	8.34	50.85	36.73	32.67	29.13	0.00	0.00	31.97	63.63
	3,5,7	Lab HSV	45.90 25.34	50.34 74.16	62.18 59.77	76.29 52.25	84.74 79.43	75.01 80.36	69.13 80.80	52.70 70.40	64.47 77.61	79.89 54.90	90.72 84.59
		Average	23.75	41.50	43.43	59.80	66.97	62.68	59.69	41.03	47.36	55.59	79.64
		RGB Lab	91.86 97.43	11.09 70.62	64.87 83.42	7.47 66.71	26.93 61.35	3.60 60.68	0.00 59.46	30.34 75.29	22.10 66.75	0.00 44.52	0.00 42.39
	3,6,0	HSV	97.43 47.14	70.62 44.71	75.03	40.07	59.76	40.80	35.66	60.07	44.83	20.62	42.39
		Average	78.81	42.14	74.44	38.08	49.35	35.03	31.71	55.23	44.56	21.71	27.52
		RGB Lab	75.65 88.25	16.09 70.82	76.08 89.68	21.47 74.11	41.56 70.50	15.92 67.77	0.00 65.01	36.05 75.67	26.03 71.78	0.00 52.10	0.00 51.21
	3,6,1	HSV	45.96	70.82 52.02	89.68	74.11 44.06	67.58	48.54	42.91	66.76	71.78 52.39	26.37	48.06
		Average	69.96	46.31	82.34	46.55	59.88	44.08	35.98	59.50	50.07	26.16	33.09
		RGB Lab	59.25 80.04	18.04 69.79	79.51 91.15	34.65 80.52	54.98 78.52	27.13 74.06	1.38 69.87	38.09 74.50	26.89 75.49	0.00 59.18	0.00 59.40
	3,6,2	HSV	43.67	59.79	91.15 85.68	80.52 47.14	78.52 75.33	74.06 56.21	49.95	74.50	75.49 59.82	31.68	55.92
		Average	60.99	48.97	85.44	54.10	69.61	52.47	40.40	61.79	54.07	30.29	38.44
		RGB Lab	42.95 72.52	16.72 67.03	71.59 86.63	45.86 84.70	65.79 85.71	35.85 78.26	10.69 72.67	35.72 71.24	23.98 76.35	0.00 65.18	7.34 66.73
	3,6,3	HSV	40.40	65.75	86.38	49.16	82.89	63.76	56.68	77.53	66.99	36.44	63.73
		Average	51.96	49.83	81.53	59.91	78.13	59.29	46.68	61.50	55.77	33.87	45.93
		RGB Lab	26.43 65.53	12.10 63.34	58.48 80.71	54.06 85.96	70.50 91.74	41.74 80.39	18.10 73.70	29.60 67.04	18.18 75.14	0.00 70.21	22.73 73.47
	3,6,4	HSV	36.30	71.75	82.91	49.99	89.84	71.09	62.91	80.15	73.72	40.52	73.47
		Average	42.76	49.06	74.03	63.33	84.02	64.41	51.57	58.93	55.68	36.91	55.89

Color Ref	H, S, V	Distance Mode	9.91	BLUE (%) 4.41	BROWN (%)	GRAY (%)	GREEN (%) 66.47	ORANGE (%)	PINK (%) 22.44	PURPLE (%)	RED (%) 9.80	WHITE (%)	YELLOW (%)
		RGB Lab	58.58	58.88	43.63 74.35	56.79 84.04	94.25	43.46 80.36	73.08	20.23 62.12	72.38	1.80 74.37	37.67 80.07
	3,6,5	HSV	31.52	76.56	77.09	49.55	93.67	77.99	68.37	79.75	79.55	43.76	79.05
		Average	33.34	46.62	65.02	63.46	84.80	67.27	54.63	54.04	53.91	39.98	65.60
		RGB	0.00	0.00	28.03	53.64	56.31	40.25	23.42	8.95	0.00	12.22	51.34
	3,6,6	Lab HSV	52.00 26.20	53.93 79.33	68.03 70.26	79.85 47.90	90.75 89.84	77.94 83.90	70.64 72.59	56.79 76.50	68.34 83.50	76.77 46.02	85.84 86.21
		Average	26.06	44.42	55.44	60.46	78.97	67.36	55.55	47.41	50.61	45.00	74.46
		RGB	0.00	0.00	12.00	45.37	42.69	33.27	21.10	0.00	0.00	20.78	63.16
	3,6,7	Lab	45.53	48.86	61.77	74.88	85.03	74.25	67.35	51.39	63.75	77.73	90.55
	.,,,	HSV	20.43	79.24	62.99	45.13	82.89	87.33	74.92	71.35	84.11	47.16	91.77
		Average RGB	21.99 92.07	42.70 10.29	45.59 64.61	55.13 6.87	70.20 26.81	64.95 3.33	54.46 0.00	40.91 29.53	49.29 21.82	48.56 0.00	81.83 0.00
		Lab	97.31	70.46	83.30	66.71	61.51	60.55	59.31	75.04	66.51	44.51	42.42
	3,7,0	HSV	39.35	45.72	77.61	33.31	59.81	41.64	32.72	59.19	45.95	15.23	40.55
		Average	76.24	42.16	75.17	35.63	49.38	35.17	30.68	54.59	44.76	19.91	27.66
		RGB Lab	76.15 87.93	13.81 70.25	75.63 89.52	19.69 73.98	41.29 70.80	15.30 67.72	0.00 64.71	33.78 75.08	25.46 71.60	0.00 52.01	0.00 51.37
	3,7,1	HSV	38.32	53.18	84.87	36.86	67.64	49.51	39.62	65.71	53.70	20.59	48.48
		Average	67.47	45.74	83.34	43.51	59.91	44.18	34.78	58.19	50.25	24.20	33.29
		RGB	60.19	14.42	79.09	31.24	54.76	25.89	0.00	34.37	25.89	0.00	0.00
	3,7,2	Lab	79.80	68.84	90.59	79.90	78.79	73.70	69.08	73.53	74.98	58.75	59.40
		HSV Average	36.30 58.77	60.45 47.90	90.90 86.86	39.58 50.24	75.41 69.65	57.35 52.31	46.23 38.44	71.49 59.80	61.37 54.08	25.49 28.08	56.41 38.60
		RGB	44.18	12.04	71.93	40.75	65.94	34.37	6.06	31.18	23.03	0.00	6.02
	272	Lab	72.37	66.24	86.36	83.95	85.94	77.97	71.93	70.50	76.00	64.68	66.72
	3,7,3	HSV	33.39	67.40	92.06	41.34	83.00	65.15	52.42	76.00	68.90	29.83	64.33
		Average	49.98	48.56	83.45	55.35	78.29	59.16	43.47	59.23	55.97	31.50	45.69
		RGB Lab	28.14 65.26	6.54 62.31	59.41 80.31	46.71 84.81	71.77 92.26	39.83 79.87	11.63 72.61	24.40 66.07	17.20 74.57	0.00 69.46	20.80 73.48
	3,7,4	HSV	29.70	73.78	80.31 86.97	42.05	92.26	79.87	72.61 58.02	78.43	76.16	33.50	73.48
		Average	41.03	47.54	75.57	57.86	84.69	64.18	47.42	56.30	55.98	34.32	55.51
		RGB	12.02	0.00	45.00	48.55	69.16	41.36	14.82	15.30	8.93	0.00	35.09
	3,7,5	Lab	58.27	57.84	73.89	82.83	95.01	79.56	71.79	61.12	71.61	73.39	79.97
		HSV	25.34	79.05	79.93	41.68	93.99	80.36	62.75	78.07	82.80	36.38	80.11
		Average RGB	31.88 0.00	45.63 0.00	66.27 29.83	57.68 45.46	86.05 59.58	67.09 38.64	49.79 15.07	51.50 4.33	54.44 0.00	36.59 2.77	65.06 48.40
	276	Lab	51.70	52.96	67.61	78.81	91.01	77.15	69.40	55.86	67.62	75.62	85.57
	3,7,6	HSV	20.43	82.21	72.40	40.24	90.03	87.33	66.26	75.04	87.76	38.37	87.89
		Average	24.04	45.06	56.61	54.83	80.21	67.70	50.24	45.08	51.79	38.92	73.95
		RGB	0.00	0.00	14.27	38.14	46.63	32.13	12.32	0.00	0.00	9.48	59.67
	3,7,7	Lab HSV	45.20 15.05	47.86 82.10	61.29 64.68	73.88 37.81	85.13 83.00	73.32 92.13	66.03 68.12	50.43 70.14	62.91 88.59	76.36 39.37	89.86 95.07
		Average	20.08	43.32	46.75	49.94	71.59	65.86	48.82	40.19	50.50	41.74	81.53
		RGB	89.51	15.65	65.53	10.63	27.40	4.71	0.00	34.80	23.22	0.00	0.00
	4,0,0	Lab	97.24	71.52	83.35	67.17	61.45	60.72	59.96	76.03	66.73	44.98	42.49
		HSV	85.46	20.75	36.29	66.89	34.60	17.52	32.44	37.35	19.36	39.01	19.26
		Average RGB	90.73 68.36	35.97 29.39	61.73 74.59	48.23 31.79	41.15 41.00	27.65 19.09	30.80 0.98	49.39 49.87	36.43 28.73	28.00 0.00	20.58
		Lab	88.67	76.22	89.17	75.77	68.64	67.92	67.95	80.91	72.57	53.58	50.38
	4,0,1	HSV	81.62	25.66	38.47	74.81	39.10	22.89	39.31	41.39	24.34	46.72	24.91
		Average	79.55	43.76	67.41	60.79	49.58	36.63	36.08	57.39	41.88	33.43	25.10
		RGB	47.37	38.23	68.89 89.96	52.77 83.92	49.26	30.23	19.46	58.84	28.46	0.00	0.00
	4,0,2	Lab HSV	80.51 75.70	78.02 30.01	39.67	83.92	74.86 42.85	74.00 27.78	75.01 45.87	82.32 44.57	76.44 28.77	61.73 54.34	57.73 30.12
		Average	67.86	48.75	66.17	73.13	55.66	44.01	46.78	61.91	44.56	38.69	29.28
		RGB	26.38	39.95	53.79	73.72	49.49	36.90	36.55	57.95	22.84	0.43	9.90
	4,0,3	Lab	73.03	77.08	85.78	91.38	79.38	78.33	80.69	80.42	77.85	69.19	64.18
		HSV Average	68.86 56.09	33.69 50.24	39.83 59.80	90.54 85.21	45.68 58.18	32.10 49.11	52.02 56.42	46.75 61.71	32.56 44.41	61.83 43.81	34.76 36.28
		RGB	5.22	33.75	35.56	94.69	41.36	37.90	51.10	47.69	13.05	21.60	22.46
	4,0,4	Lab	65.79	74.14	79.87	98.50	81.62	80.74	84.83	76.49	77.03	76.42	69.95
	4,0,4	HSV	61.59	36.58	38.95	97.43	47.45	35.71	57.57	47.80	35.58	69.08	38.73
		Average	44.20	48.16	51.46	96.87	56.81	51.45	64.50	57.33	41.89	55.70	43.71
	l	RGB Lab	0.00 58.99	21.83 69.93	16.24 73.67	83.96 94.48	27.96 81.44	32.46 80.54	59.32 85.93	32.16 71.48	0.00 74.21	42.53 83.17	31.14 74.70
	4,0,5	HSV	54.10	38.58	37.07	92.93	48.06	38.50	62.25	47.65	37.73	75.90	41.87
		Average	37.70	43.45	42.33	90.46	52.48	50.50	69.17	50.43	37.32	67.20	49.24
	_	RGB	0.00	5.97	0.00	62.83	11.29	22.23	58.04	14.09	0.00	63.63	34.80
	4,0,6	Lab HSV	52.42 46.48	65.20 39.58	67.40 34.28	87.95 85.17	78.92 47.45	78.08 40.36	84.09 65.70	66.11 46.31	70.14 38.92	89.66 81.78	78.03 44.05
		Average	46.48 32.97	39.58	34.28	78.65	47.45 45.89	40.36	69.28	46.31 42.17	36.35	81.78 78.36	52.29
		RGB	0.00	0.00	0.00	41.84	0.00	8.62	47.55	0.00	0.00	84.16	32.31
	4,0,7	Lab	45.85	59.83	61.08	81.38	75.01	74.27	80.09	60.31	65.38	95.82	79.94
		HSV	38.77	39.55	30.68	77.29	45.68	41.20	67.53	43.87	39.08	85.52	45.15
		Average RGB	28.21 90.07	33.13 14.86	30.59 65.38	66.83 10.06	40.23 27.34	41.36 4.47	65.06 0.00	34.73 34.00	34.82 22.97	88.50 0.00	52.47 0.00
	440	Lab	97.47	71.39	83.39	66.94	61.17	60.74	59.87	76.01	66.88	44.75	42.32
	4,1,0	HSV	81.62	26.44	43.62	65.43	40.71	22.89	35.25	43.10	25.02	37.98	24.39
		Average	89.72	37.56	64.13	47.48	43.07	29.37	31.70	51.04	38.29	27.58	22.24
		RGB	70.35	27.34	74.66	29.69	41.45	17.85	0.00	47.06	27.59	0.00	0.00
	4,1,1	Lab HSV	89.01 78.46	75.01 31.76	89.34 46.09	75.30 72.92	68.94 45.72	67.75 28.66	67.18 42.44	79.72 47.57	72.30 30.40	53.11 45.54	50.40 30.46
		Average	78.46	44.70	70.03	59.30	52.04	38.09	36.54	58.12	43.43	32.88	26.95
		RGB	50.62	35.53	71.09	49.24	51.46	28.79	15.37	54.90	27.46	0.00	0.00
	4,1,2	Lab	81.05	76.42	90.47	83.15	75.55	73.67	73.68	80.72	75.96	60.98	57.77
	,,_,_	HSV	73.23	36.52	47.47	80.06	49.96	33.98	49.42	51.16	35.25	52.97	36.11
		Average RGB	68.30 30.89	49.49 37.78	69.68 57.81	70.82 68.57	58.99 54.56	45.48 35.88	46.16 30.79	62.26 54.68	46.22 22.55	37.99 0.00	31.29 8.83
		Lab	73.52	75.11	86.49	90.33	54.56 81.00	78.17	78.80	78.58	77.40	68.35	8.83 64.62
	4,1,3	HSV	66.90	40.60	47.65	86.28	53.22	38.73	56.06	53.65	39.44	60.21	41.23
		Average	57.10	51.17	63.98	81.73	62.93	50.93	55.22	62.30	46.46	42.85	38.23
		RGB	11.15	33.45	41.03	86.62	49.45	37.88	43.63	46.50	13.69	15.07	21.92
	4,1,4	Lab	66.48	72.26	80.72	95.94 89.74	84.19	80.61	82.21	74.84	76.59	75.22 67.10	70.63
		HSV Average	59.98 45.87	43.85 49.85	46.65 56.13	89.74 90.77	55.29 62.98	42.76 53.75	62.20 62.68	54.86 58.73	42.82 44.37	67.10 52.46	45.66 46.07
		RGB	0.00	23.64	23.03	87.71	38.13	34.26	51.72	33.21	1.93	34.39	32.19
	415	Lab	59.86	68.25	74.66	94.01	84.83	80.54	82.94	70.09	73.87	81.48	75.77
	•		· <u> </u>	·			·		· <u> </u>		· <u> </u>		

10	Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
1.0		4,1,5	HSV	52.74	46.11	44.51	87.80	56.00			54.68	45.26	73.41	
1.00														
1.00														
4.1		4,1,6												
1.43														
Margin 10.14 10.25 10.15 10.16 10.		447												
March Marc		4,1,7	HSV	37.75	47.22	37.35	75.21	53.22	49.00	73.87	50.36	46.79	81.67	53.02
10														
100														
Mail		4,2,0		75.70	31.67	50.76		46.34	27.78	37.16	48.26	30.23	35.98	28.99
A														
Property														
Column		4,2,1												
April														
March														
Fig. 1972 1419 1512 1519 1512 1519		4,2,2												
April														
March Marc														
4.14 Mail Ma		4,2,3												
1.00														
May 1564 1509 1438 1831 1838 1														
108		4,2,4												
Lab			Average	46.79	50.96	60.43	84.49	68.96	55.61	60.46	59.54	46.50	48.56	48.07
Section Sect														
## Accesses 26.21 17.21 33.07 38.98 66.65 39.22 60.34 34.35 34.05 60.05		4,2,5												
1.00			Average	36.81	47.81	52.02	85.66	66.66	56.22	65.14	54.15	43.09	58.21	55.13
Marcago 12-23 14-28 14														
		4,2,6												
1.27 138 47-96 56.95 67.85 67.35 67.36 57.36				32.29	42.88	42.98		61.29	54.13	66.85	47.14	41.30	66.93	
NS NS NS NS NS NS NS NS														
		4,2,7												
1.00 1.00														
No. Serv														
Amerage 88,89 40,22 66,61 44,477 46,66 31,377 32,56 53,38 41,02 32,94 25,12		4,3,0												
Heat														
No.			RGB											
Average 76,64 46.17 74.64 54.54 56.34 40.39 37.14 590.6 46.59 30.78 30.10		4,3,1												
Right S6.36 29.377 23.371 41.73 54.75 25.38 7.07 46.67 24.79 0.00 0.00 4.3.2														
A.3.1 A.9.1 A.9.2 A.			RGB	56.36	29.37	73.71	41.73	54.75	25.28	7.07	46.67	24.79	0.00	0.00
Average 66.95 50.26 50.26 50.26 50.26 50.26 60.04 66.98 47.73 43.78 62.22 48.81 52.47 34.86 66.08 83.85 31.50 63.94 57.23 58.60 70.00 5.66 63.00 10.00		4,3,2												
R68 38.86 33.50 68.94 57.23 63.40 32.39 19.05 66.94 20.67 0.00 5.66 Abrillow														
HSV SS.43 S3.42 S3.15 72.38 G7.70 S9.81 G6.04 S2.19 S2.33 S2.77				38.86	31.50		57.23	63.40	32.39	19.05	46.34	20.67	0.00	5.66
Average 57.02 52.07 71.26 72.36 71.58 53.50 51.55 62.48 49.62 39.82 41.20		4,3,3												
Rich 21.48 29.10 49.88 70.14 64.92 33.41 28.49 40.49 13.16 1.18 18.92														
HSV 52.74 57.64 66.173 73.89 70.78 55.93 67.35 67.71 55.55 58.60 58.42 PAPER AVERAGE 47.06 51.61 64.24 78.19 74.83 55.90 57.63 59.74 48.20 44.11 49.58 86.8 3.95 12.38 34.29 76.53 58.17 34.34.37 34.94 30.65 3.41 16.98 30.87 14.50 14.5														
Average 47.06 51.61 64.24 78.19 74.83 55.90 57.63 59.74 48.20 44.11 49.58 R68 3.95 22.38 34.29 76.53 58.17 34.37 34.39 43.06 5.341 15.98 30.87 18.34 15.98 30.87 18.34 15.98 30.87 18.34 15.98 30.87 18.34 15.98 30.87 18.34 15.98 30.87 18.34 15.98 30.87 18.34 15.98 30.87 18.34 15.98 30.87 18.34 15.98 30.87 18.34 15.98 30.87 18.34 15.98 30.87 18.34 15.98 30.87 18.34 15.98 30.87 18.34 15.98 30.87 18.34 15.98 30.87 18.34 15.98 30.87 18.34 15.98 30.87 18.34 15.98 30.87 18.34 15.98 18.34 15.98 17.32 18.34 15.98 17.32 18.34 15.98 17.32 18.34 15.98 17.32 18.34 15.98 17.32 18.34 15.98 17.32 18.34 15.98 17.32 18.34 15.98 18.34 15.98 18.34 15.98 18.34 15.34 18.38 18.38 18.34 18.38 18.34 1		4,3,4												
R66 335 2238 34.29 76.53 58.17 34.37 34.94 30.65 34.1 16.98 30.87														
HSV														
HSV 46.88 00.08 58.80 73.07 71.88 00.12 72.72 58.00 61.55 54.82 45.19 52.09 57.13 66.80 0.00 12.40 18.00 71.23 46.26 29.12 37.05 18.14 0.00 31.64 40.26 14.3		4,3,5			002			-						_
RGB 0.00 12.40 18.00 71.23 46.26 29.12 37.05 18.14 0.00 31.64 40.26 1.30 1.30 1.40 1.30 1.40 1.40 1.40 1.40 1.40 1.40 1.40 1.4														
4,3,6 Lab														
HSV 39.81 62.27 54.65 70.08 70.78 63.05 78.97 65.35 61.08 66.98 66.76 66.76 66.80 66.76 66.80 66.76 66.80 66.76 66.80 66.76 66.81 66.76 66.80 66.76 66.81 66.76 66.81 66.76 66.81 66.76 66.81 66.76 66.81 66.76 66.81 66.76 66.81 66.76 66.81 66.82 49.58 67.70 64.41 82.12 61.67 61.94 66.89 66.86 68.80 67.70 64.41 82.12 61.67 61.94 66.89 66.86 68.80 67.70 64.41 82.12 61.67 61.94 66.89 68.65 68.80 67.70 64.41 82.12 61.67 61.94 66.89 68.65 68.80 67.70 64.41 82.12 61.67 61.94 66.89 68.65 68.80 67.70 64.41 68.89 67.70 64.41 68.89 67.70 64.41 68.89 67.70 64.41 68.89 67.70 64.41 68.89 67.70 64.41 68.89 67.70 64.41 68.89 67.70 64.41 68.89 68.65 68.80 67.70 64.41 68.89 67.70 64.41 68.89 68.65 68.80 67.70 67.70 67		4,3,6												
RGB 0.00 0.13 1.32 58.48 31.85 20.48 34.43 4.00 0.00 44.56 45.76 45.76 Lab 47.58 54.51 63.03 79.99 84.73 77.34 72.41 55.02 64.40 84.15 86.23 HSV 32.86 62.22 49.58 65.49 67.70 64.41 82.12 61.67 61.94 68.89 68.65 RGB 91.73 12.55 64.23 79.6 77.07 30.3 0.00 31.16 21.42 0.00 0.00 1.00 HSV 61.99 40.30 64.01 52.57 55.42 35.71 38.05 56.01 38.85 29.41 36.25 42.23 44.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0														
HSV 32.86 62.22 49.58 65.49 67.70 64.41 82.12 61.67 61.94 68.89 68.65 68.65 Average 26.81 38.95 37.98 67.96 61.42 53.08 62.99 40.57 42.11 65.87 66.88 68.89 67.96 61.42 53.08 62.99 40.57 42.11 65.87 66.88 68.89 67.96 67.70 3.03 0.00 31.16 21.42 0.00 0.00 0.00 44.00 12.00														
HSV 32.86 62.22 49.58 65.49 67.70 64.41 82.12 61.67 61.94 68.89 68.65 Average 26.81 38.95 37.98 67.96 61.42 53.08 62.99 40.57 42.11 65.87 66.88 68.65 62.99 40.57 42.11 65.87 66.88 68.65 62.99 40.57 42.11 65.87 66.88 68.65 62.91 62.00		4,3,7												
HSB 91.73 12.55 64.23 7.96 27.07 3.03 0.00 31.16 21.42 0.00 0.00 0.00 1.00 1.00 1.00 1.00 1.0														
HSV 61.59														
Average 83.64 41.26 70.48 42.42 47.90 33.08 32.52 54.22 42.28 24.64 26.14 36.20 RGB 75.30 20.74 73.17 23.11 41.98 13.91 0.00 38.64 23.83 0.00 0.00 Lab 89.01 71.91 89.09 74.10 69.80 67.18 65.17 76.59 71.33 52.00 50.53 HSV 59.98 47.00 68.00 57.72 62.34 42.76 45.52 61.98 45.58 35.55 43.52 Average 74.76 46.55 76.76 51.64 58.04 41.28 36.93 59.07 46.91 29.32 31.35 RGB 58.74 25.97 73.95 37.80 55.74 23.23 2.86 42.42 23.14 0.00 0.00 0.00 Lab 80.86 71.51 89.86 80.89 77.80 72.58 70.02 75.71 74.05 59.25 58.28 HSV 56.94 53.29 70.40 61.90 68.75 49.54 53.06 67.10 51.94 42.13 50.65 Average 65.52 50.26 78.07 60.20 67.43 48.45 41.98 61.74 49.71 33.80 36.31 Average 65.52 50.26 78.07 60.20 67.43 48.45 41.98 61.74 49.71 33.80 36.31 RGB 42.29 27.63 65.56 51.05 66.93 29.65 12.81 41.38 18.86 0.00 3.33 Lab 73.79 69.50 86.41 85.84 84.49 76.56 73.34 73.18 75.09 67.40 65.40 HSV 50.274 59.01 70.73 64.75 74.30 55.93 60.31 70.93 57.76 47.84 57.48 Average 56.27 52.05 74.23 67.21 75.24 54.05 48.82 61.83 50.57 37.75 41.97 RGB 25.71 25.32 52.88 61.95 71.98 33.09 20.90 36.06 12.02 0.00 16.57 Average 46.67 65.97 80.68 88.14 90.70 78.63 74.83 69.04 73.94 71.05 77.17 RGB 9.23 19.55 38.36 67.37 68.20 32.40 25.85 27.18 2.75 7.73 28.29 Lab 59.92 61.62 74.61 86.56 94.21 78.43 74.30 55.85 27.18 2.75 7.73 28.29 Lab 59.92 61.62 74.61 86.56 94.21 78.43 74.30 55.85 27.18 2.75 77.31 28.29 Lab 59.92 61.62 74.61 86.56 94.21 78.43 74.30 55.85 27.18 2.75 77.3 28.29 Lab 59.92 61.62 74.61 66.56 59.27 78.81 66.64 73.57 72.60 66.63 57.06 69.48 Average 46.67 51.72 67.51 72.01 80.32 57.82 54.32 59.33 49.58 41.31 50.71 RGB 9.23 19.55 67.50 65.41 65.32 79.81 66.64 73.57 72.60 66.63 57.06 69.48 Average 46.67 51.72 67.51 72.01 80.32 57.82 54.32 59.33 49.58 51.31 50.71 7.73 28.29 Lab 59.92 61.62 74.61 66.56 66.52 77.88 66.66 67.37 7.89 7.75 66.66 7.75 77.60 66.66 57.00 66.63 57.06 69.48 Average 46.67 67.50 67.60 67.60 67.37 78.81 66.66 73.57 77.60 66.66 57.00 66.63 57.06 69.48 Average 46.67 67		4,4,0	Lab	97.59	70.93	83.21	66.72	61.21	60.50	59.49	75.50	66.57	44.52	42.23
A,4,1 RGB 75.30 20.74 73.17 23.11 41.98 13.91 0.00 38.64 23.83 0.00 0.00 Lab 89.01 71.91 88.09 74.10 69.80 67.18 65.17 76.59 71.33 52.00 50.53 HSV 59.98 47.00 68.02 57.72 62.34 42.76 45.62 61.98 45.58 35.95 43.52 Average 74.76 46.55 76.76 51.64 58.04 41.28 36.93 59.07 46.91 29.32 31.35 RGB 58.74 25.97 73.95 37.80 55.74 23.23 2.86 42.42 23.14 0.00 0.00 Lab 80.86 71.51 88.68 80.89 77.80 77.80 77.80 77.80 75.71 74.05 59.25 58.28 HSV 56.94 53.29 70.40 61.90 68.75 49.54 53.06 67.10 51.94 42.13 50.65 Average 65.52 50.26 78.07 60.20 67.43 48.45 41.98 61.74 49.71 33.80 36.31 A,4,3 Lab 73.79 69.50 86.41 85.84 84.49 76.56 73.34 73.18 75.09 65.40 65.09 HSV 52.74 59.01 70.73 64.75 74.30 55.93 60.31 70.93 57.76 47.84 57.48 Average 55.62 50.62 50.28 67.21 75.24 54.05 48.82 61.83 50.57 37.75 41.97 Average 65.5 71 25.32 52.88 61.95 71.98 33.09 20.90 36.06 12.02 0.00 16.57 Average 46.67 51.72 67.51 72.01 80.32 57.82 54.32 59.33 49.58 41.31 50.71 RGB 9.23 19.55 38.36 67.37 68.20 32.40 25.85 27.18 2.75 7.73 28.29 Average 46.67 51.72 67.51 72.01 80.32 57.82 54.32 59.33 49.58 41.31 50.71 RGB 9.23 19.55 38.36 67.37 68.20 32.40 25.85 27.18 2.75 7.73 28.29 Lab 59.92 61.62 74.61 86.56 94.21 78.43 74.30 66.17 71.16 75.50 77.64 49.84 A,4,5 HSV 41.95 67.50 65.41 65.32 79.81 66.64 73.57 72.60 66.63 57.06 69.48		. /-												
HSV 59.98 47.00 68.02 57.72 62.34 42.76 45.62 61.98 45.58 35.95 43.52 Average 74.76 46.55 76.76 51.64 58.04 41.28 36.93 59.07 46.91 29.32 31.35 1.55 1.55 1.55 1.55 1.55 1.55 1.5														
Average 74.76 46.55 76.76 51.64 58.04 41.28 36.93 59.07 46.91 29.32 31.35 18.0		4,4,1	Lab	89.01	71.91	89.09	74.10	69.80	67.18	65.17	76.59	71.33	52.00	50.53
RGB S8.74 25.97 73.95 37.80 55.74 23.23 2.86 42.42 23.14 0.00 0.00		.,.,*												
HSV 56.94 53.29 70.40 61.90 68.75 49.54 53.06 67.10 51.94 42.13 50.65 68.28 Average 65.52 50.26 78.07 60.20 67.43 48.49 76.56 73.34 73.18 75.09 65.40 65.09 HSV 52.74 59.01 70.73 64.75 74.30 55.93 60.31 70.93 57.76 47.84 57.88 67.21 75.24 54.05 48.82 61.83 50.66 12.02 0.00 16.57 49.94 4.4.4 19.74 49.74 67.86 67.94 67.														
HSV 56.94 53.29 70.40 61.90 68.75 49.54 53.06 67.10 51.94 42.13 50.65 Average 65.52 50.26 78.07 60.20 67.43 48.45 41.98 61.74 49.71 33.80 36.31 4,4,3 RGB 42.29 27.63 65.56 51.05 66.93 29.65 12.81 41.38 18.86 0.00 3.33 Lab 73.79 69.50 86.41 85.84 84.49 76.56 73.34 73.18 75.09 65.40 65.09 HSV 52.74 59.01 70.73 64.75 74.30 55.93 60.31 70.93 57.76 47.84 57.48 Average 56.27 52.05 74.23 67.21 75.24 54.05 48.82 61.83 50.57 37.75 41.97 RGB 25.71 25.32 52.88 61.95 71.98 33.09 20.90 36.06 12.02 0.00 16.57 Lab 66.64 65.97 80.68 88.14 90.70 78.63 74.83 69.04 73.94 71.05 71.72 HSV 47.67 63.87 68.96 65.95 78.30 61.74 67.23 72.89 62.77 52.89 63.85 Average 46.67 51.72 67.51 72.01 80.32 57.82 54.32 59.33 49.58 41.31 50.71 RGB 9.23 19.55 38.36 67.37 68.20 32.40 25.85 27.18 2.75 7.73 28.29 Lab 59.92 61.62 74.61 86.56 94.21 78.43 74.30 64.17 71.16 75.50 77.64 HSV 41.95 67.50 65.41 65.32 79.81 66.64 73.57 72.60 66.63 57.06 69.48		4.4.2	Lab	80.86	71.51	89.86	80.89	77.80	72.58	70.02	75.71	74.05	59.25	58.28
4,4,3 RGB 42.29 27.63 65.56 51.05 66.93 29.65 12.81 41.38 18.86 0.00 3.33 Lab 73.79 69.50 86.41 85.84 84.49 76.56 73.34 73.18 75.09 65.40 65.09 HSV 52.74 59.01 70.73 64.75 74.30 55.93 66.31 70.93 57.76 47.84 57.48 Average 56.27 52.05 74.23 67.21 75.24 54.05 48.82 61.83 50.57 37.75 41.97 RGB 25.71 25.32 52.88 61.95 71.98 33.09 20.90 36.06 12.02 0.00 16.57 Lab 66.64 65.97 80.68 88.14 90.70 78.63 74.83 69.04 73.94 71.05 71.72 HSV 47.67 63.87 68.96 65.95 78.30 61.74 67.23 72.89 62.77 52.89 63.85 Average 46.67 51.72 67.51 72.01 80.32 57.82 54.32 59.33 49.58 41.31 50.71 RGB 9.23 19.55 38.36 67.37 68.20 32.40 25.85 27.18 2.75 7.73 28.29 Lab 59.92 61.62 74.61 86.56 94.21 78.43 74.30 64.17 71.16 75.50 77.64 HSV 41.95 67.50 65.41 65.32 79.81 66.64 73.57 72.60 66.63 57.06 69.48		-,-,2												
4,4,3 Lab 73.79 69.50 86.41 85.84 84.49 76.56 73.34 73.18 75.09 65.40 65.09 HSV 52.74 59.01 70.73 64.75 74.30 55.93 60.31 70.93 57.66 47.84 57.48 57.48 47.84 57.48 47.48 47.84 57.48 47.84 57.48 47.84 57.48 47.84 57.48 47.84 57.48 47.84 57.48 47.84 57.48 47.4														
HSV 52.74 59.01 70.73 64.75 74.30 55.93 60.31 70.93 57.76 47.84 57.48 57		413	Lab	73.79	69.50	86.41	85.84	84.49	76.56	73.34	73.18	75.09	65.40	65.09
A,4,4 RGB 25.71 25.32 52.88 61.95 71.98 33.09 20.90 36.06 12.02 0.00 16.57 Lab 66.64 65.97 80.68 88.14 90.70 78.63 74.83 69.04 73.94 771.05 71.72 HSV 47.67 63.87 68.96 65.95 78.30 61.74 67.23 72.89 62.77 52.89 63.85 Average 46.67 51.72 67.51 72.01 80.32 57.82 54.32 59.33 49.58 41.31 50.71 RGB 9.23 19.55 38.36 67.37 68.20 32.40 25.85 27.18 2.75 7.73 28.29 Lab 59.92 61.62 74.61 86.56 94.21 78.43 74.30 64.17 71.16 75.50 77.64 HSV 41.95 67.50 65.41 65.32 79.81 66.64 73.57 72.60 66.63 57.06 69.48		7,4,3												
4,4,4 Lab 66.64 65.97 80.68 88.14 90.70 78.63 74.83 69.04 73.94 71.05 71.72 HSV 47.67 63.87 68.96 65.95 78.30 61.74 67.23 72.89 62.77 52.89 63.85 Average 46.67 51.72 67.51 72.01 80.32 57.82 54.32 59.33 49.58 41.31 50.71 RGB 9.23 19.55 38.36 67.37 68.20 32.40 25.85 27.18 2.75 7.73 28.29 Lab 59.92 61.62 74.61 86.56 94.21 78.43 74.30 64.17 71.16 75.50 77.64 HSV 41.95 67.50 65.41 65.32 79.81 66.64 73.57 72.60 66.63 57.06 69.48														
4,4,4 HSV 47.67 63.87 68.96 65.95 78.30 61.74 67.23 72.89 62.77 52.89 63.85 Average 46.67 51.72 67.51 72.01 80.32 57.82 54.32 59.33 49.58 41.31 50.71 RGB 9.23 19.55 38.36 67.37 68.20 32.40 25.85 27.18 2.75 77.3 28.29 4.4,5 HSV 41.95 67.50 65.41 65.32 79.81 66.64 73.57 72.60 66.63 57.06 69.48		4 4 4												
RGB 9.23 19.55 38.36 67.37 68.20 32.40 25.85 27.18 2.75 7.73 28.29 Lab 59.92 61.62 74.61 86.56 94.21 78.43 74.30 64.17 71.16 75.50 77.64 HSV 41.95 67.50 65.41 65.32 79.81 66.64 73.57 72.60 66.63 57.06 69.48		4,4,4	HSV	47.67	63.87	68.96	65.95	78.30	61.74	67.23	72.89	62.77	52.89	63.85
4,4,5 Lab 59.92 61.62 74.61 86.56 94.21 78.43 74.30 64.17 71.16 75.50 77.64 HSV 41.95 67.50 65.41 65.32 79.81 66.64 73.57 72.60 66.63 57.06 69.48														
4,4,5 HSV 41.95 67.50 65.41 65.32 79.81 66.64 73.57 72.60 66.63 57.06 69.48														
Average 37.03 49.56 59.46 73.08 80.74 59.16 57.90 54.65 46.85 46.76 58.47		4,4,5	HSV	41.95	67.50	65.41	65.32	79.81	66.64	73.57	72.60	66.63	57.06	69.48
			Average	37.03	49.56	59.46	73.08	80.74	59.16	57.90	54.65	46.85	46.76	58.47

140 110	Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
10.0														
Prop. 19.0		4,4,6												
1.41			Average	29.75	45.76	50.75	70.27	75.82	58.31	59.61	48.42	45.47	53.04	64.96
Column														
		4,4,7												
Column														
Page 1.28														
Horizon Hori		4,5,0												
The color of the														
102 1878 7-18 1877 7-19 7-19 1878 7-19 7-19 1878 1														
March Marc		4.5.1												
Main		4,5,1												
1.6 1.6 1.7 1.7 1.8 1.8 1.7 1.8														
March 194 1934 1938 794 1448 32,7 33,8 15,65 692 592 593 5														
100 4.52 3.29 6.27 4.49 6.28 7.28 7.28 1.29 3.90 6.26 6.28 1		4,5,2												
Col.														
March 197 40.88 43.71 77.89 72.92 73.93 60.22 53.92 73.93 52.92 53.93														
Company 1548 1346 1346 1349		4,5,3												
1.00														
Margin 190														
According 49.25 9.38 79.24 88.80 89.0 98.0 98.1 98.1 98.1 98.2		4,5,4												
March Marc														
128														
		155	Lab		59.62	73.96	84.23		77.35	71.99	62.31	70.04	73.71	77.68
Column		-,J,J												
Lib 1227 15-77 17-88 1934 1228 72-25 1939 17-10 19-27 19-28 18-28 19														
Marcage 1788 Marcage 1789 Marc														
March		4,5,6												
4.5.7 Leb 44:53 6931 01.79 75:55 88:99 71.83 66:59 51:81 63:27 77:31 66:77 18:50 18:														
No. No. 2427 70.08 53.18 32.22 79.00 79.08 79.33 61.70 79.88 54.22 18.23 1														
Accept 7:12 4:15 4:15 4:15 79:		4,5,7												
1.00 1.00														
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1907 4.5.11 5.3.10 5.3.10 5.3.10 4.1.14 6.7.88 4.2.15 4.2.15 4.2.15 5.3.15 5.3.15 5.3.15 5.3.15 6.2		4.6.1												
608 62.20 18.68 72.21 25.65 55.26 18.55 0.00 33.73 19.78 0.00 0.00		, ,												
A.A. Leb 90-33 68-87 88-98 73-24 77-84 77-88 86.00 77-313 73-03 80-05 80-38 83-11 10-55-02 Accessing 61-86 40-26 81-87 52-04 70-16 81-72 10-72														
No.		462												
Right 47.09 18.46 65.71 88.81 79.36 22.69 0.77 30.87 14.57 0.00 0.00		4,0,2												
4.6.3 148 72 92 66.06 85.08 82.95 88.90 73.37 70.30 69.85 73.47 61.65 65.28	_													
## Annual ## Ann						1								
RGB		4,6,3												
4,6,4 Lab 65.84 62.39 79.37 84.08 92.94 76.75 70.97 65.63 71.86 68.43 71.62 HeV 35.75 73.45 81.88 50.06 90.83 70.21 61.68 77.69 77.240 39.92 77.01 Average 44.52 50.42 71.96 59.80 88.80 57.67 45.95 55.11 50.65 36.12 50.84 4,6,5 Lab 58.95 57.87 73.27 82.19 98.55 76.27 69.97 60.88 68.97 72.03 77.45 Average 35.62 48.70 68.87 59.83 99.49 99.50 48.01 51.33 48.95 38.39 56.74 4,6,6 Lab 52.34 53.03 67.08 69.63 93.43 99.49 99.50 48.01 51.33 48.95 38.39 56.74 4,6,6 Lab 52.34 53.03 67.08 78.41 93.23 73.34 75.86 66.40 00.0 00.0 29.16 4,6,7 Lab 52.34 53.03 67.08 78.41 93.23 73.34 67.64 55.46 66.50 74.25 82.25 4,6,7 Lab 52.34 53.03 67.08 78.41 93.23 73.34 67.64 55.46 66.50 74.25 82.25 4,6,7 Lab 52.34 53.03 67.08 78.41 93.23 73.34 67.64 55.46 66.50 74.25 82.25 4,6,7 Lab 52.34 53.03 67.08 78.41 93.23 73.34 67.64 56.65 66.40 00.0 00.0 29.16 4,6,7 Lab 52.34 53.03 67.08 78.41 93.23 73.34 67.64 56.65 74.25 82.25 4,6,7 Lab 52.34 53.03 67.08 78.41 40.59 83.65 15.51 41.7 0.00 0.00 22.93 4,6,7 Lab 52.34 53.03 67.08 67.64 67.08 67.64 67.08 67.64 67.08 67.64 67.08 4,6,7 Lab 52.91 53.81 53.13 78.01 73.34 73.93 73.94 73.93														
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Hy 31.01 78.64 76.08 49.63 95.43 76.84 66.93 77.34 77.88 43.13 78.42 Average 35.62 48.70 63.87 59.88 93.87 78.84 59.84 66.93 77.34 77.88 43.13 78.42 Average 59.64 87.00 63.87 59.88 79.88 59.87 68.80 1.76 2.01 28.60 46.12 77.17 21.81 6.86 6.64 0.00 0.00 0.00 29.16 1.85 1.85 1.85 1.85 1.85 1.85 1.85 1.85														
Nergage 35.62 48.70 63.87 59.83 93.49 59.50 48.01 51.53 48.95 38.39 58.74 R6B 1.76 2.01 28.60 46.12 77.17 21.81 6.86 6.64 0.00 0.00 29.16 Lab 52.34 53.03 67.08 78.41 93.23 73.94 67.64 55.46 65.05 74.25 82.25 Nergage 26.61 45.59 55.05 57.50 87.08 59.37 48.48 45.50 48.84 39.87 65.55 Average 26.61 45.59 55.05 57.50 87.08 59.37 48.48 45.50 48.84 39.87 65.55 Lab 65.93 47.92 60.93 73.61 85.90 70.38 64.27 50.04 60.52 74.78 88.41 HSV 19.98 81.62 60.35 44.50 63.66 15.63 41.70 0.00 0.00 2.99 35.58 Average 21.97 43.18 45.91 53.13 78.01 57.14 47.19 39.88 47.51 44.42 77.04 Average 21.97 43.18 45.91 53.13 78.01 57.14 47.19 39.88 47.51 44.42 77.04 Average 21.97 43.18 45.91 53.13 78.01 57.14 47.19 39.88 47.51 44.42 77.04 Average 38.77 46.59 75.58 33.36 60.05 41.00 23.33 19.88 0.00 0.00 Average 76.24 42.29 74.16 35.22 49.40 34.34 30.33 35.63 43.76 19.69 27.52 Average 76.24 42.29 74.16 35.22 49.40 34.34 30.33 35.63 43.76 19.69 27.52 Average 76.24 42.29 74.16 35.22 49.40 34.34 30.33 35.63 43.76 19.69 27.52 Average 76.24 42.29 74.16 35.22 49.40 34.34 30.33 35.63 43.76 19.69 27.52 Average 76.90 45.80 80.41 42.15 59.93 41.74 34.13 56.21 47.62 23.79 32.96 Average 67.90 45.80 80.41 42.15 59.93 41.74 34.13 56.21 47.62 23.79 32.96 Average 67.90 45.80 80.41 42.15 59.93 41.74 34.13 56.21 47.62 23.79 32.96 Average 67.90 45.80 80.41 42.15 59.93 41.74 34.13 56.21 47.62 23.79 32.96 Average 59.64 48.12 82.42 47.91 70.09 48.12 37.53 60.97 60.97 60.46 60.70 70.97 60.46 60.70 70.97 60.46 60.70 70.97 60.46 60.70 70.97 6		4,6,5												
R68 1.76 2.01 28.60 46.12 77.47 21.81 6.86 6.64 0.00 0.00 29.16					40.70			00.40				40.05		
HSV 25.72 81.73 69.48 47.97 90.83 82.36 70.93 74.39 81.47 45.36 85.28 Average 26.61 45.59 55.05 57.50 87.08 19.37 48.48 45.50 48.84 39.87 65.56 RGB 0.00 0.00 14.45 40.99 63.66 15.63 4.17 0.00 0.00 0.00 2.99 35.58 1.40 45.93 47.92 60.93 73.61 85.90 70.38 64.27 50.04 60.52 74.78 85.41 1.40 1.40 1.40 1.40 1.40 1.40 1.40 1														
Hov 25.72 81.73 69.48 47.97 90.88 82.96 70.99 17.39 81.47 43.96 85.28 Average 26.61 45.59 55.05 57.50 87.08 87.08 59.37 48.48 45.50 48.84 39.87 45.56 65.56 Apr. 45.50 48.84 39.87 65.56 Apr. 45.50 Apr		4,6,6												
## A6.7 R6B 0.00 0.00 14.45 40.59 63.66 15.63 4.17 0.00 0.00 2.99 35.58 HSV 19.98 81.62 62.35 45.20 83.46 85.83 73.12 69.60 82.01 46.49 90.28 HSV 19.98 81.62 62.35 45.20 83.46 85.83 73.12 69.60 82.01 46.49 90.28 R6B 92.64 10.15 62.92 5.82 26.69 1.61 0.00 28.33 19.88 0.00 0.00 4.7,0 Lab 97.30 70.14 82.98 66.47 61.47 60.21 58.95 74.63 66.10 44.27 42.24 HSV 38.77 46.59 76.58 33.36 60.05 41.20 32.03 57.94 45.29 14.81 40.33 Average 76.24 42.29 74.16 35.22 49.40 34.34 30.33 53.63 43.76 19.69 27.52 Average 76.24 42.29 74.16 35.22 49.40 34.34 30.33 53.63 43.76 19.69 27.52 Average 77.90 45.80 80.41 73.15 70.57 66.46 63.53 74.04 70.13 51.24 50.66 Average 67.90 45.80 80.41 42.15 59.93 41.74 34.13 56.21 47.62 23.79 32.96 Average 67.90 45.80 80.41 42.15 59.93 41.74 34.13 56.21 47.62 23.79 32.96 Average 59.64 48.12 82.42 47.91 70.09 88.12 37.53 60.64 25.01 56.11 Average 59.64 48.12 82.42 47.91 70.09 88.12 37.53 60.64 25.01 56.11 Average 59.64 48.12 82.42 47.91 70.09 88.12 37.53 57.06 50.01 27.54 38.14 Average 59.64 48.12 82.42 47.91 70.09 88.12 37.53 57.06 50.01 27.54 38.14 Average 59.64 48.12 82.42 47.91 70.09 88.12 37.53 57.06 50.01 27.54 38.14 Average 59.64 48.12 82.42 47.91 70.09 88.12 37.53 57.06 50.01 27.54 38.14 Average 59.64 48.12 82.42 47.91 70.09 88.12 37.53 57.06 50.01 27.54 38.14 Average 59.64 68.86 88.69 49.40 58.57 58.59 78.60 56.54 68.80 77.93 67.78 29.32 65.36 Average 59.64 68.86 58.89 49.40 58.57 58.22 58.00 59.50 50.00 59.00 Average 59.64 68.86 58.89 49.40 58.57 58.50 59.88 50.0														
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A,7,0		.,0,,												
Lab 97.30 70.14 82.98 66.47 61.47 60.21 58.95 74.63 66.10 44.27 42.24 HSV 38.77 46.59 75.58 33.36 60.05 41.20 32.03 57.94 45.29 14.81 40.33 Average 76.24 42.29 74.16 35.22 49.40 34.34 30.33 53.63 43.76 19.69 27.52 RGB 77.89 13.70 69.80 16.37 41.28 9.76 0.00 30.36 19.80 0.00 0.00 HSV 37.75 54.19 83.38 36.92 67.94 49.00 38.85 64.23 52.94 20.14 48.23 Average 67.90 45.80 80.41 42.15 59.93 41.74 34.13 56.21 47.62 23.79 32.96 RGB 63.15 14.80 70.28 25.49 55.78 16.13 0.00 29.31 17.06 0.00 0.00 HSV 35.75 61.65 88.59 39.64 75.80 56.75 45.37 69.73 60.46 25.01 56.11 Average 59.64 48.12 82.42 47.91 70.99 48.12 37.53 57.06 50.01 27.54 38.14 Average 59.64 48.12 82.42 47.91 70.99 48.12 37.53 57.06 50.01 27.54 38.14 Average 51.24 49.91 79.35 52.08 79.97 53.22 40.33 56.05 50.88 30.87 43.13 Average 51.24 49.91 79.35 52.08 79.97 53.22 40.33 56.05 50.88 30.87 43.13 Average 42.77 48.64 72.69 53.87 89.99 53.22 40.33 56.05 50.88 30.87 71.77 Average 42.77 48.64 72.69 53.87 89.19 56.66 69.80 64.50 71.31 67.58 71.62 Average 42.77 48.64 72.69 53.87 89.19 56.66 69.80 64.50 71.31 67.58 71.62 Average 42.77 48.64 72.69 53.87 89.19 56.66 69.80 64.50 71.31 67.58 71.62 Average 42.77 48.64 72.69 53.87 89.19 56.66 68.20 64.50 71.31 67.58 71.62 Average 42.77 48.64 72.69 53.87 89.19 56.66 68.20 64.50 71.31 67.58 71.62 Average 42.77 48.64 72.69 53.87 89.19 56.66 68.20 64.50 71.31 67.58 71.62 Average 42.77 48.64 72.69 53.87 89.19 56.66 68.20 64.50 71.31 67.58 71.62 Average 42.77 48.64 72.69 53.87 89.19 56.66 68.20 64.50 7														
HSV 38.77 46.59 76.58 33.36 60.05 41.20 32.03 57.94 45.29 14.81 40.33 Average 76.24 42.29 74.16 35.22 49.40 34.34 30.33 53.63 43.76 19.69 27.52 RGB 77.89 13.70 69.80 16.37 41.28 9.76 0.00 30.36 19.80 0.00 0.00 0.00 47.15 19.80 1		430												
Horizon Horizo		4,7,0	HSV	38.77	46.59	76.58	33.36	60.05	41.20	32.03	57.94	45.29	14.81	40.33
HSV 37.75 54.19 88.07 69.50 88.04 73.15 70.57 66.46 63.53 74.04 70.13 51.24 50.66 HSV 37.75 54.19 83.38 36.92 67.94 49.00 38.85 64.23 52.94 20.14 48.23 Average 67.90 45.80 80.41 42.15 59.93 41.74 34.13 56.21 47.62 23.79 32.96 RGB 63.15 14.80 70.28 25.49 55.78 16.13 0.00 29.31 17.06 0.00 0.00 1.00 HSV 35.75 61.65 88.59 39.64 75.80 78.69 71.49 67.21 72.15 72.50 57.60 58.30 HSV 35.75 61.65 88.59 39.64 75.80 56.75 45.37 69.73 60.46 25.01 56.11 Average 59.64 48.12 82.42 47.91 70.09 48.12 37.53 57.06 50.01 27.54 38.14 RSV 32.86 68.86 89.49 41.40 83.58 64.11 51.45 73.93 67.78 29.32 63.96 Average 51.24 49.11 79.35 52.08 79.97 53.22 40.33 56.05 50.88 30.87 43.13 RGB 33.67 9.14 53.92 36.70 83.20 21.81 0.00 18.54 4.80 0.00 15.90 HSV 29.20 75.62 85.27 42.11 91.05 71.91 56.92 76.15 74.71 32.97 71.77 Average 42.77 48.64 72.69 53.87 89.19 56.66 42.24 53.06 50.27 33.52 49.76 RGB 18.98 3.22 41.14 78.79 41.74 95.89 79.08 61.52 75.82 80.84 35.62 79.45 Average 42.77 48.64 72.69 53.87 89.19 56.66 68.70 59.62 68.18 71.00 77.21 Lbb 58.57 56.77 72.70 80.93 99.15 75.46 68.70 59.62 68.18 71.00 77.21 RGB 42.3 0.00 22.52 18.14 77.15 18.27														
HSV 37.75 54.19 83.38 36.92 67.94 49.00 38.85 64.23 52.94 20.14 48.23 Average 67.90 45.80 80.41 42.15 59.93 41.74 34.13 56.21 47.62 23.79 32.96 RGB 63.15 14.80 70.28 25.49 55.78 16.13 0.00 29.31 17.06 0.00 0.00 Lab 80.02 67.90 88.39 78.60 78.69 71.49 67.21 72.15 72.50 57.60 58.30 HSV 35.75 61.65 88.59 39.64 75.80 56.75 45.37 69.73 60.46 25.01 56.11 Average 59.64 48.12 82.42 47.91 770.09 45.12 37.53 57.06 50.01 27.54 38.14 RGB 48.40 13.36 64.12 32.59 70.02 20.26 0.00 25.31 11.93 0.00 0.00 4,7,3 Lab 72.45 65.11 84.45 82.25 86.32 75.00 69.54 68.90 72.92 63.29 65.41 HSV 32.86 68.86 89.49 41.40 83.58 64.41 51.45 73.93 67.78 29.32 63.96 Average 51.24 49.11 79.35 52.08 79.97 53.22 40.33 56.05 50.88 30.87 43.13 RGB 33.67 9.14 53.92 36.70 83.20 21.81 0.00 18.54 4.80 0.00 5.90 4,7,4 Lab 65.43 61.16 78.87 82.79 93.30 76.26 69.80 64.50 71.31 67.58 71.62 HSV 29.20 75.62 85.27 42.11 91.05 71.91 56.92 76.15 74.71 32.97 71.77 Average 42.77 48.64 72.69 53.87 89.19 56.66 68.70 59.62 68.18 71.00 77.21 Average 34.14 47.13 64.37 53.42 95.18 55.27 43.41 48.47 49.68 35.61 57.94 RGB 42.3 0.00 28.49 35.30 81.63 16.48 0.00 0.00 0.00 14.91 RGB 42.3 0.00 28.49 35.30 81.63 16.48 0.00 0.00 0.00 12.52 HSV 24.87 81.41 78.79 41.74 95.89 79.08 61.52 75.82 80.84 35.82 79.45 Average 34.14 47.13 64.37 53.42 95.18 55.27 43.41 48.47 49.68 35.61 57.19 RGB 42.3 0.00 28.49 35.30 81.63 16.48 0.00 0.00 0.00 0.00 12.52														
Average 67.90 45.80 80.41 42.15 59.93 41.74 34.13 56.21 47.62 23.79 32.96 RGB 63.15 14.80 70.28 25.49 55.78 16.13 0.00 29.31 17.06 0.00 0.00 Average 59.64 48.12 82.42 47.91 70.09 48.12 37.53 57.06 50.01 27.54 38.14 RGB 48.40 13.36 64.12 32.59 70.02 20.26 0.00 25.31 11.93 0.00 0.00 Average 59.64 68.86 89.49 41.40 83.58 64.41 51.45 73.93 67.78 29.32 63.96 Average 51.24 49.11 79.35 52.08 79.97 53.22 40.33 56.05 50.88 30.87 43.13 RGB 33.67 9.14 53.92 36.70 83.20 21.81 0.00 18.54 4.80 0.00 5.90 Average 42.77 48.64 72.69 53.87 89.19 56.66 42.24 53.06 50.07 33.52 49.76 RGB 18.98 3.22 41.61 37.61 90.49 20.27 0.00 9.95 0.00 0.00 14.91 Average 34.14 47.13 64.37 53.42 95.18 58.27 43.41 48.47 49.68 35.61 57.19 RGB 44.23 0.00 28.49 35.30 81.63 16.48 0.00 0.04 0.00 0.00 22.52 RGB 44.23 0.00 51.04 66.60 77.07 10.00 13.10 66.00 0.00 0.00 0.00 0.00 0.00 0.00		4,7,1												
4,7,2 Lab 80.02 67.90 88.39 78.60 78.69 71.49 67.21 72.15 72.50 57.60 58.30 HSV 35.75 61.65 88.59 39.64 75.80 56.75 45.37 69.73 60.46 25.01 56.11 Average 59.64 48.12 82.42 47.91 70.09 48.12 37.53 57.06 50.01 27.54 38.14 RGB 48.40 13.36 64.12 32.59 70.02 20.26 0.00 25.31 11.93 0.00 0.00 Lab 72.45 65.11 84.45 82.25 86.32 75.00 69.54 68.90 72.92 63.29 65.41 HSV 32.86 68.86 89.49 41.40 83.58 64.41 51.45 73.93 67.78 29.32 63.96 Average 51.24 49.11 79.35 52.08 79.97 53.22 40.33 56.05 50.88 30.87 43.13 RGB 33.67 9.14 53.92 36.70 83.20 21.81 0.00 18.54 4.80 0.00 5.90 HSV 29.20 75.62 85.27 42.11 91.05 71.91 56.92 76.15 74.71 32.97 71.77 Average 42.77 48.64 72.69 53.87 89.19 56.66 42.24 53.06 50.27 33.52 49.76 RGB 18.98 3.22 41.61 37.61 90.49 20.27 0.00 9.95 0.00 0.00 14.91 Average 34.14 47.13 64.37 53.42 95.89 79.00 0.00 0.04 0.00 0.00 22.52 RGB 4.23 0.00 28.49 35.30 81.63 16.48 0.00 0.04 0.00 0.00 22.52 RGB 4.23 0.00 28.49 35.30 81.63 16.48 0.00 0.04 0.00 0.00 22.52			Average	67.90	45.80	80.41	42.15	59.93	41.74	34.13	56.21	47.62	23.79	32.96
HSV 35.75 61.65 88.59 39.64 75.80 56.75 45.37 69.73 60.46 25.01 56.11 Average 59.64 48.10 13.36 64.12 32.59 70.00 48.12 37.53 57.06 50.01 27.54 38.14 A,7,3 Lab 72.45 65.11 84.45 82.25 86.32 75.00 69.54 68.90 72.92 63.29 65.41 HSV 32.86 68.86 89.49 41.40 83.58 64.41 51.45 73.93 67.78 29.32 63.96 Average 51.24 49.11 79.35 52.08 79.97 53.22 40.33 56.05 50.88 30.87 43.13 RGB 33.67 9.14 53.92 36.70 83.20 21.81 0.00 18.54 4.80 0.00 5.90 Lab 65.43 61.16 78.87 82.79 93.30 76.26 69.80 64.50 71.31 67.58 71.62 Average 42.77 48.64 72.69 53.87 89.19 56.66 42.24 53.06 50.27 33.52 49.76 RGB 18.98 3.22 41.61 37.61 90.49 20.27 0.00 9.95 0.00 0.00 14.91 A,7,5 Lab 58.57 56.77 72.70 80.93 99.15 75.46 68.70 59.62 68.18 71.00 77.21 HSV 24.87 81.41 78.79 41.74 95.89 79.88 61.52 75.82 80.84 35.82 79.45 Average 34.14 47.13 64.37 53.42 95.18 58.27 43.41 48.47 49.68 35.61 57.19 RGB 4.23 0.00 28.49 35.30 81.63 16.48 0.00 0.04 0.00 0.00 22.52														
Average 59.64 48.12 82.42 47.91 70.09 48.12 37.53 57.06 50.01 27.54 38.14 RGB 48.40 13.36 64.12 32.59 70.02 20.26 0.00 25.31 11.93 0.00 0.00 0.00 Lab 72.45 65.11 84.45 82.25 86.32 75.00 69.54 68.90 72.92 63.29 65.41 HSV 32.86 68.86 89.49 41.40 83.58 64.41 51.45 73.93 67.78 29.32 63.96 Average 51.24 49.11 79.35 52.08 79.97 53.22 40.33 56.05 50.88 30.87 43.13 RGB 33.67 9.14 53.92 36.70 83.20 21.81 0.00 18.54 4.80 0.00 5.90 Lab 65.43 61.16 78.87 82.79 93.30 76.26 69.80 64.50 71.31 67.58 71.62 HSV 29.20 75.62 85.27 42.11 91.05 71.91 56.92 76.15 74.71 32.97 71.77 Average 42.77 48.64 72.69 53.87 89.19 56.66 42.24 53.06 50.27 33.52 49.76 RGB 18.98 3.22 41.61 37.61 90.49 20.27 0.00 9.95 0.00 0.00 14.91 Average 34.14 47.13 64.37 53.42 95.18 58.27 43.41 48.47 49.68 35.61 57.19 RGB 4.23 0.00 28.49 35.30 81.63 16.48 0.00 0.04 0.00 0.00 22.52 12.85 12		4,7,2												
A,7,3 RGB														
HSV 32.86 68.86 89.49 41.40 83.58 64.41 51.45 73.93 67.78 29.32 63.96 Average 51.24 49.11 79.35 52.08 79.97 53.22 40.33 56.05 50.88 30.87 43.13 RGB 33.67 9.14 53.92 36.70 83.20 21.81 0.00 18.54 4.80 0.00 5.90 Lab 65.43 61.16 78.87 82.79 93.30 76.26 69.80 64.50 71.31 67.58 71.62 HSV 29.20 75.62 85.27 42.11 91.05 71.91 56.92 76.15 74.71 32.97 71.77 Average 42.77 48.64 72.69 53.87 89.19 56.66 42.24 53.06 50.27 33.52 49.76 RGB 18.98 3.22 41.61 37.61 90.49 20.27 0.00 9.95 0.00 0.00 14.91 A,7,5 Lab 58.57 56.77 72.70 80.93 99.15 75.46 68.70 59.62 68.18 71.00 77.21 HSV 24.87 81.41 78.79 41.74 95.89 79.88 61.52 75.82 80.84 35.82 79.45 Average 34.14 47.13 64.37 53.42 95.18 58.27 43.41 48.47 49.68 35.61 57.19 RGB 4.23 0.00 28.49 35.30 81.63 16.48 0.00 0.04 0.00 0.00 22.52			RGB	48.40	13.36	64.12	32.59	70.02	20.26	0.00	25.31	11.93	0.00	0.00
HSV 32.86 68.86 89.49 41.40 83.58 64.41 51.45 73.93 67.78 29.32 63.96 Average 51.24 49.11 79.35 52.08 79.97 53.22 40.33 56.05 50.88 30.87 43.13 RGB 33.67 9.14 53.92 36.70 83.20 21.81 0.00 18.54 4.80 0.00 5.90 Lab 65.43 61.16 78.87 82.79 93.30 76.26 69.80 64.50 71.31 67.58 71.62 HSV 29.20 75.62 85.27 42.11 91.05 71.91 56.92 76.15 74.71 32.97 71.77 Average 42.77 48.64 72.69 53.87 89.19 56.66 42.24 53.06 50.27 33.52 49.76 RGB 18.98 3.22 41.61 37.61 90.49 20.27 0.00 9.95 0.00 0.00 14.91 4,7,5 Lab 58.57 56.77 72.70 80.93 99.15 75.46 68.70 59.62 68.18 71.00 77.21 HSV 24.87 81.41 78.79 41.74 95.89 79.98 61.52 75.82 80.84 35.82 79.45 Average 34.14 47.13 64.37 53.42 95.18 58.27 43.41 48.47 49.68 35.61 57.19 RGB 4.23 0.00 28.49 35.30 81.63 16.48 0.00 0.04 0.00 0.00 22.52		4,7,3												
RGB 33.67 9.14 53.92 36.70 83.20 21.81 0.00 18.54 4.80 0.00 5.90 Lab 65.43 61.16 78.87 82.79 93.30 76.26 69.80 64.50 71.31 67.58 71.62 HSV 29.20 75.62 85.27 42.11 91.05 71.91 56.92 76.15 74.71 32.97 71.77 Average 42.77 48.64 72.69 53.87 89.19 56.66 42.24 53.06 50.27 33.52 49.76 RGB 18.98 3.22 41.61 37.61 90.49 20.27 0.00 9.95 0.00 0.00 14.91 Lab 58.57 56.77 77.70 80.93 99.15 75.46 68.70 59.62 68.18 71.00 77.21 HSV 24.87 81.41 78.79 41.74 95.89 79.98 61.52 75.82 80.84 35.82 79.45 Average 34.14 47.13 64.37 53.42 95.18 58.27 43.41 48.47 49.68 35.61 57.19 RGB 4.23 0.00 28.49 35.30 81.63 16.48 0.00 0.04 0.00 0.00 0.00 22.52 1.25 1.25 1.25 1.25 1.25 1.25 1.2														
4,7,4 Lab 65.43 61.16 78.87 82.79 93.30 76.26 69.80 64.50 71.31 67.58 71.62 HSV 29.20 75.62 85.27 42.11 91.05 71.91 56.92 76.15 74.71 32.97 71.77 Average 42.77 48.64 72.69 53.87 89.19 56.66 42.24 53.06 50.27 33.52 49.76 RGB 18.98 3.22 41.61 37.61 90.49 20.27 0.00 9.95 0.00 0.00 14.91 Lab 58.57 56.77 72.70 80.93 99.15 75.46 68.70 59.62 68.18 71.00 77.21 HSV 24.87 81.41 78.79 41.74 95.89 79.88 61.52 75.82 80.84 35.82 79.45 Average 34.14 47.13 64.37 53.42 95.18 58.27 43.41 48.47 49.68 35.61 57.19 RGB 4.23 0.00 28.49 35.30 81.63 16.48 0.00 0.04 0.00 0.00 22.52														
HSV 29.20 75.62 85.27 42.11 91.05 71.91 56.92 76.15 74.71 32.97 71.77 Average 42.77 48.64 72.69 53.87 89.19 56.66 42.24 53.06 50.27 33.52 49.76 RGB 18.98 3.22 41.61 37.61 90.49 20.27 0.00 9.95 0.00 0.00 14.91 4,7,5 Lab 58.57 56.77 72.70 80.93 99.15 75.46 68.70 59.62 68.18 71.00 77.21 HSV 24.87 81.41 78.79 41.74 95.89 79.08 61.52 75.82 80.84 35.82 79.45 Average 34.14 47.13 64.37 53.42 95.18 58.27 43.41 48.47 49.68 35.61 57.19 RGB 4.23 0.00 28.49 35.30 81.63 16.48 0.00 0.04 0.00 0.00 22.52		474												
RGB 18.98 3.22 41.61 37.61 90.49 20.27 0.00 9.95 0.00 0.00 14.91 Lab 58.57 56.77 72.70 80.93 99.15 75.46 68.70 59.62 68.18 71.00 77.21 HSV 24.87 81.41 78.79 41.74 95.89 79.88 61.52 75.82 80.84 35.82 79.45 Average 34.14 47.13 64.37 53.42 95.18 58.27 43.41 48.47 49.68 35.61 57.19 RGB 4.23 0.00 28.49 35.30 81.63 16.48 0.00 0.04 0.00 0.00 22.52		4,7,4	HSV	29.20	75.62	85.27	42.11	91.05	71.91	56.92	76.15	74.71	32.97	71.77
4,7,5 Lab 58.57 56.77 72.70 80.93 99.15 75.46 68.70 59.62 68.18 71.00 77.21 HSV 24.87 81.41 78.79 41.74 95.89 79.08 61.52 75.82 80.84 35.82 79.45 Average 34.14 47.13 64.37 53.42 95.18 58.27 43.41 48.47 49.68 35.61 57.19 R66 4.23 0.00 28.49 35.30 81.63 16.48 0.00 0.04 0.00 0.00 0.00 22.52 14.54 14.55 16.55														
HSV 24.87 81.41 78.79 41.74 95.89 79.08 61.52 75.82 80.84 35.82 79.45 Average 34.14 47.13 64.37 53.42 95.18 58.27 43.41 48.47 49.68 35.61 57.19 RGB 4.23 0.00 28.49 35.30 81.63 16.48 0.00 0.04 0.00 0.00 0.00 22.52														
Average 34.14 47.13 64.37 53.42 95.18 58.27 43.41 48.47 49.68 35.61 57.19 RGB 4.23 0.00 28.49 35.30 81.63 16.48 0.00 0.04 0.00 0.00 22.52 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0		4,7,5												
lab 5000 5104 6660 7740 0017 7340 6630 5447 6439 7391 9173			Average	34.14	47.13	64.37	53.42	95.18	58.27	43.41	48.47	49.68	35.61	57.19
4 7 6 Lab 52.09 51.94 66.69 77.19 93.17 73.18 66.29 54.47 64.38 72.81 81.73														
		476	Lab	52.09	51.94	bb.69	//.19	93.17	/3.18	66.29	54.47	64.38	/2.81	81.73

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
	4,7,0	HSV	19.98	85.06	71.55	40.30	91.05	85.43	64.90	73.04	85.13	37.79	86.83
		Average RGB	25.43 0.00	45.67 0.00	55.58 14.83	50.93 29.90	88.62 68.06	58.36 10.41	43.73 0.00	42.52 0.00	49.84 0.00	36.87 0.00	63.70 27.91
		Lab	45.62	46.80	60.45	72.42	86.73	69.46	62.83	49.00	59.71	73.13	84.53
	4,7,7	HSV	14.64	84.93	64.01	37.87	83.58	89.34	66.69	68.45	85.81	38.78	92.86
		Average	20.08	43.91	46.43	46.73	79.46	56.40	43.18	39.15	48.51	37.30	68.43
		RGB Lab	89.51 97.24	15.65 71.52	65.53 83.35	10.63 67.17	27.40 61.45	4.71 60.72	0.00 59.96	34.80 76.03	23.22 66.73	0.00 44.98	0.00 42.49
	5,0,0	HSV	82.67	21.23	35.78	66.73	34.61	17.10	31.62	38.34	18.81	38.29	18.99
		Average	89.81	36.13	61.56	48.18	41.15	27.51	30.53	49.72	36.25	27.76	20.49
		RGB	68.30	29.83	74.09	31.81	41.00	18.69	0.88	49.97	28.31	0.00	0.00
	5,0,1	Lab HSV	88.67 79.34	76.32 26.17	89.26 37.94	75.77 74.61	68.54 39.11	68.00 22.44	68.04 38.40	81.07 42.45	72.71 23.75	53.58 45.89	50.36 24.62
		Average	78.77	44.11	67.09	60.73	49.55	36.38	35.77	57.83	41.59	33.16	24.99
		RGB	47.32	38.71	68.46	52.77	49.24	29.78	19.34	58.94	28.05	0.00	0.00
	5,0,2	Lab	80.51	78.02	89.96	83.92 82.42	74.86	74.00 27.30	75.01	82.32	76.44 28.15	61.73	57.73
		HSV Average	73.94 67.26	30.56 49.09	39.13 65.85	73.04	42.86 55.65	43.69	44.86 46.40	45.69 62.32	44.21	53.37 38.37	29.80 29.18
		RGB	26.34	40.43	53.50	73.72	49.46	36.41	36.39	58.04	22.46	0.40	9.56
	5,0,3	Lab	73.04	77.27	85.65	91.38	79.24	78.17	80.72	80.55	77.71	69.19	64.05
		HSV	67.47 55.61	34.26 50.65	39.29 59.48	90.01 85.04	45.69 58.13	31.59 48.72	50.88 56.00	47.92 62.17	31.90 44.02	60.68 43.42	34.42 36.01
		Average RGB	5.15	34.60	35.12	94.62	41.30	36.91	50.69	47.83	12.37	21.52	21.69
	5,0,4	Lab	66.01	74.32	79.92	98.26	81.61	80.40	84.58	76.61	76.79	76.19	69.66
	3,0,4	HSV	60.45	37.18	38.42	95.88	47.47	35.17	56.28	48.99	34.90	67.68	38.36
		Average RGB	43.87 0.00	48.70 22.56	51.15 15.91	96.25 83.97	56.79 27.92	50.83 31.55	63.85 58.85	57.81 32.28	41.35 0.00	55.13 42.43	43.24 30.28
		Lab	58.99	70.14	73.49	94.49	81.29	80.06	85.82	71.55	73.83	83.18	74.37
	5,0,5	HSV	53.14	39.19	36.55	92.23	48.07	37.94	60.80	48.84	37.02	74.12	41.49
		Average	37.38	43.96	41.98	90.23	52.43	49.85	68.49	50.89	36.95	66.58	48.71
		RGB Lab	0.00 52.43	6.88 65.45	0.00 67.29	62.89 87.96	11.27 78.66	21.10 77.77	57.40 84.19	14.26 66.27	0.00 69.94	63.44 89.70	33.50 77.62
	5,0,6	HSV	45.65	40.21	33.78	84.83	47.47	39.78	64.12	47.47	38.19	79.49	43.65
		Average	32.69	37.52	33.69	78.56	45.80	46.22	68.57	42.66	36.05	77.54	51.59
		RGB	0.00	0.00	0.00	41.93	0.00	7.69	47.10	0.00	0.00	83.92	31.10
	5,0,7	Lab HSV	46.08 38.05	60.24 40.18	61.21 30.21	81.62 77.06	74.95 45.69	74.16 40.61	80.33 65.87	60.65 44.97	65.38 38.35	95.74 82.73	79.48 44.75
		Average	28.04	33.47	30.47	66.87	40.21	40.82	64.43	35.21	34.58	87.46	51.77
		RGB	90.01	15.25	65.04	10.09	27.35	4.14	0.00	34.09	22.59	0.00	0.00
	5,1,0	Lab	97.46	71.37	83.17	66.94	61.25	60.52	59.74	75.87	66.56	44.75	42.28
		HSV Average	79.34 88.94	26.95 37.86	43.05 63.75	65.28 47.44	40.72 43.11	22.44 29.03	34.39 31.38	44.19 51.38	24.43 37.86	37.27 27.34	24.10 22.13
		RGB	70.24	28.16	73.68	29.73	41.45	17.14	0.00	47.27	26.82	0.00	0.00
	5,1,1	Lab	89.03	75.26	88.91	75.30	68.85	67.46	67.13	79.83	71.94	53.11	50.23
		HSV	76.48	32.31	45.49	72.73	45.73	28.18	41.49	48.76	29.76	44.73	30.14
		Average RGB	78.58 50.47	45.24 36.90	69.36 69.74	59.25 49.28	52.01 51.41	37.59 27.50	36.21 15.04	58.62 55.20	42.84 26.27	32.61 0.00	26.79 0.00
	5,1,2	Lab	81.06	76.68	89.99	83.16	75.45	73.31	73.63	80.83	75.55	60.99	57.57
	3,1,2	HSV	71.61	37.12	46.85	79.80	49.97	33.46	48.33	52.44	34.56	52.04	35.76
		Average	67.72 30.71	50.24	68.86 56.51	70.75 68.58	58.94 54.45	44.76 33.99	45.67 30.23	62.82	45.46 21.06	37.68 0.00	31.11 7.53
		RGB Lab	73.77	39.63 75.60	86.20	90.16	80.62	77.49	78.63	55.04 78.90	76.83	68.15	64.08
	5,1,3	HSV	65.58	41.24	47.04	85.91	53.23	38.16	54.81	55.00	38.71	59.10	40.85
		Average	56.69	52.16	63.25	81.55	62.77	49.88	54.56	62.98	45.53	42.42	37.49
		RGB Lab	10.96 66.73	35.59 72.77	39.86 80.61	86.56 95.99	49.30 83.84	35.42 79.93	42.75 82.10	46.85 75.19	12.01 76.11	14.88 75.04	20.01 70.04
	5,1,4	HSV	58.89	44.53	46.04	89.24	55.31	42.16	60.75	56.24	42.05	65.78	45.25
		Average	45.53	50.96	55.50	90.60	62.81	52.50	61.87	59.43	43.39	51.90	45.10
		RGB	0.00	25.88	21.94	87.65	37.99	31.49	50.51	33.56	0.16	34.09	29.58
	5,1,5	Lab HSV	59.90 51.81	68.77 46.81	74.37 43.92	94.23 87.39	84.36 56.02	79.77 45.28	83.01 65.87	70.37 56.06	73.31 44.45	81.56 71.79	75.11 48.79
		Average	37.24	47.15	46.74	89.75	59.45	52.18	66.46	53.33	39.31	62.48	51.16
		RGB	0.00	12.45	3.23	69.84	22.93	22.77	51.25	17.57	0.00	53.08	34.70
	5,1,6	Lab	53.55	64.31	68.38	88.50	82.21	77.77	81.63	65.35	69.65	87.43	78.93
		HSV Average	44.50 32.68	47.98 41.58	40.80 37.47	81.86 80.07	55.31 53.48	47.37 49.31	69.73 67.53	54.47 45.80	45.78 38.48	76.61 72.37	51.28 54.97
		RGB	0.00	0.00	0.00	50.58	6.30	11.06	44.56	0.18	0.00	70.68	34.79
	5,1,7	Lab	47.18	59.23	62.30	82.31	78.44	74.44	78.33	59.87	65.27	92.36	81.53
		HSV Average	37.04 28.07	47.94 35.72	36.84 33.05	75.00 69.30	53.23 45.99	48.32 44.60	71.82 64.90	51.61 37.22	45.97 37.08	79.39 80.81	52.55 56.29
		RGB	90.68	14.47	64.59	9.33	27.27	3.58	0.00	33.08	21.99	0.00	0.00
	5,2,0	Lab	97.43	71.22	83.28	66.94	61.33	60.61	59.73	75.77	66.65	44.75	42.36
		HSV	73.94 87.35	32.22	50.11 65.99	62.18 46.15	46.35 44.99	27.30 30.50	36.29 32.00	49.46 52.77	29.59 39.41	35.29 26.68	28.68 23.68
		Average RGB	72.03	39.31 26.42	73.02	46.15 27.60	44.99	30.50 15.54	0.00	44.56	39.41 25.28	0.00	0.00
	5,2,1	Lab	89.33	74.40	88.66	74.81	68.93	67.05	66.39	78.90	71.44	52.62	50.04
	3,2,1	HSV	71.61	38.04	52.92	68.88	51.94	33.46	43.62	54.56	35.35	42.49	35.15
		Average RGB	77.66 53.39	46.28 34.78	71.53 70.42	57.10 45.63	54.22 53.25	38.68 25.07	36.67 10.72	59.34 51.32	44.02 24.32	31.71 0.00	28.40 0.00
	533	Lab	81.24	75.15	89.86	82.47	76.21	72.82	72.36	79.19	74.78	60.41	57.65
	5,2,2	HSV	67.47	43.33	54.49	74.84	56.79	39.19	50.76	58.75	40.60	49.47	41.25
		Average	67.37	51.08	71.59	67.65	62.08	45.69	44.61	63.09	46.57	36.63	32.97
	l .	RGB Lab	34.77 74.14	38.09 73.93	58.85 86.37	63.08 88.88	59.06 81.82	31.18 76.87	24.08 76.81	51.37 77.24	19.28 75.99	0.00 67.23	5.20 64.16
	5,2,3	HSV	62.09	47.94	54.71	79.42	60.61	44.38	57.61	61.73	45.20	56.12	46.86
		Average	57.00	53.32	66.64	77.12	67.16	50.81	52.83	63.45	46.82	41.12	38.74
		RGB Lab	16.16 67.28	35.57 71.23	43.59 80.89	78.50 93.56	56.89 85.77	32.93 79.02	34.91 79.65	44.70 73.70	10.85 75.08	8.15 73.70	17.54 70.06
	5,2,4	HSV	55.92	71.23 51.68	53.55	93.56 81.54	63.10	79.02 48.86	79.65 64.01	63.20	75.08 48.97	62.27	70.06 51.81
		Average	46.45	52.83	59.34	84.53	68.59	53.60	59.52	60.53	44.97	48.04	46.47
		RGB	0.00	27.85	26.92	84.14	47.72	30.00	41.80	33.30	0.00	25.50	27.54
	5,2,5	Lab HSV	60.62 49.26	67.26 54.32	74.97 51.11	92.68 80.40	87.23 63.96	79.18 52.42	80.30 69.66	69.06 62.99	72.62 51.72	79.66 67.62	75.47 55.87
		Average	36.62	49.81	51.11	85.74	66.30	52.42	63.92	55.12	41.44	57.59	52.96
		RGB	0.00	16.36	9.63	72.98	34.44	22.94	43.32	19.17	0.00	42.09	34.10
	5,2,6	Lab	54.20	62.80	68.93	87.82	85.42	77.26	78.89	64.04	68.95	84.88	79.78
		HSV Average	42.27 32.16	55.68 44.94	47.56 42.04	76.46 79.09	63.10 60.99	54.84 51.68	74.08 65.43	61.11 48.11	53.25 40.74	71.72 66.23	58.79 57.56

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
		RGB Lab	0.00 47.98	2.42 57.86	0.00 63.00	56.45 82.10	19.05 81.73	12.74 74.09	39.06 75.83	3.49 58.72	0.00 64.71	57.05 88.57	36.18 82.87
	5,2,7	HSV	35.06	55.64	43.12	70.84	60.61	55.95	76.57	57.80	53.46	73.97	60.30
		Average	27.68	38.64	35.37	69.80	53.80	47.59	63.82	40.00	39.39	73.20	59.79
		RGB	91.28	13.68	64.12	8.57	27.18	3.02	0.00	32.07	21.38	0.00	0.00
	5,3,0	Lab	97.31	71.05	83.16	66.94	61.49	60.48	59.58	75.51	66.41	44.75	42.39
	-,-,-	HSV	67.47	36.93	56.85	57.79	51.33	31.59	37.22	53.96	34.20	32.42	32.64
		Average	85.35	40.56	68.05	44.43	46.67	31.70	32.27	53.84	40.67	25.72	25.01
		RGB Lab	73.65 89.14	24.60 73.06	72.13 88.48	25.44 74.45	41.97 69.52	13.90 66.81	0.00 65.58	41.84 77.48	23.68 70.93	0.00 52.30	0.00 50.23
	5,3,1	HSV	65.58	43.22	60.14	63.67	57.57	38.16	44.68	59.62	40.41	39.29	39.53
		Average	76.12	46.96	73.58	54.52	56.35	39.62	36.75	59.65	45.01	30.53	29.92
		RGB	56.04	32.37	70.48	41.86	54.70	22.50	6.41	47.33	22.20	0.00	0.00
	5,3,2	Lab	81.32	73.72	89.64	81.71	76.77	72.35	71.18	77.72	74.10	59.79	57.67
	-,-,	HSV	62.09	49.05	62.01	68.63	63.15	44.38	51.98	64.40	46.15	45.85	46.12
		Average RGB	66.48 38.45	51.71 35.85	74.05 60.39	64.06 57.35	64.87 63.17	46.41 28.04	43.19 17.92	63.15 47.19	47.48 17.14	35.21 0.00	34.60 2.59
		Lab	74.12	72.18	86.09	87.58	83.01	76.20	75.09	75.47	75.02	66.43	64.31
	5,3,3	HSV	57.38	54.24	62.27	72.16	67.72	50.11	59.03	67.90	51.27	52.00	52.30
		Average	56.65	54.09	69.58	72.36	71.30	51.45	50.68	63.52	47.81	39.47	39.74
		RGB	21.03	34.09	46.68	70.20	64.51	29.92	26.90	41.33	9.24	1.02	14.63
	5,3,4	Lab	67.36	69.15	80.77	90.99	87.92	78.15	77.14	71.72	73.98	72.34	70.32
		HSV	51.81	58.54	60.89	73.69	70.80	55.15	65.69	69.67	55.55	57.54	57.89
		Average RGB	46.73 3.45	53.93 28.04	62.78 31.16	78.29 76.46	74.41 57.65	54.41 27.62	56.58 32.70	60.91 31.49	46.26 0.00	43.64 16.42	47.61 24.63
		Lab	60.64	65.18	74.86	90.20	90.14	78.29	77.49	67.15	71.54	77.86	75.95
	5,3,5	HSV	45.65	61.65	58.01	72.88	71.91	59.26	71.68	69.41	58.73	62.22	62.61
		Average	36.58	51.62	54.68	79.85	73.23	55.05	60.63	56.02	43.42	52.16	54.40
		RGB	0.00	18.38	14.95	71.11	45.75	21.61	34.28	18.98	0.00	30.79	31.78
	5,3,6	Lab	54.35	60.75	68.91	86.04	88.49	76.28	75.85	62.20	67.84	82.12	80.37
		HSV	39.08	63.28	53.93	69.91	70.80	62.12	76.48	67.17	60.53	65.66	66.09
		Average RGB	31.14 0.00	47.47 6.24	45.93 0.00	75.69 58.42	68.35 31.39	53.34 12.67	62.20 31.35	49.45 4.85	42.79 0.00	59.53 43.37	59.42 35.17
		Lab	48.10	55.98	62.94	80.81	84.23	73.11	73.00	57.02	63.60	85.06	83.60
	5,3,7	HSV	32.20	63.23	48.93	65.34	67.72	63.45	79.25	63.31	60.79	67.50	67.95
		Average	26.77	41.82	37.29	68.19	61.11	49.74	61.20	41.73	41.46	65.31	62.24
		RGB	91.64	13.27	63.60	8.02	27.11	2.45	0.00	31.35	20.75	0.00	0.00
	5,4,0	Lab	97.52	70.91	82.98	66.71	61.29	60.28	59.36	75.36	66.24	44.52	42.18
		HSV	60.45	40.94	63.12	52.46	55.44	35.17	37.16	57.43	38.13	28.78	35.85
		Average RGB	83.21 75.08	41.70 22.70	69.90 71.02	42.40 23.24	47.95 42.04	32.63 12.22	32.18 0.00	54.71 39.12	41.71 22.04	24.43 0.00	26.01 0.00
		Lab	89.03	72.28	88.18	74.11	69.73	66.53	65.00	76.65	70.51	52.01	50.21
	5,4,1	HSV	58.89	47.71	67.02	57.60	62.36	42.16	44.61	63.63	44.77	35.26	43.13
		Average	74.33	47.56	75.41	51.65	58.04	40.30	36.54	59.80	45.77	29.09	31.11
		RGB	58.37	29.70	69.92	38.00	55.74	19.82	2.08	43.26	19.93	0.00	0.00
	5,4,2	Lab	81.27	72.28	89.21	80.85	77.25	71.82	69.97	76.24	73.35	59.12	57.62
		HSV	55.92 65.19	54.11 52.03	69.31 76.15	61.76 60.20	68.78 67.26	48.86 46.83	51.89 41.32	69.03 62.84	51.03 48.10	41.37 33.50	50.20 35.94
		Average RGB	41.83	32.64	61.27	51.27	66.75	24.70	11.60	42.39	14.77	0.00	0.00
		Lab	74.01	70.53	85.71	86.23	83.94	75.54	73.50	73.84	74.15	65.58	64.37
	5,4,3	HSV	51.81	59.94	69.64	64.60	74.33	55.15	58.93	73.12	56.72	46.99	56.96
		Average	55.89	54.37	72.21	67.37	75.01	51.80	48.01	63.12	48.55	37.52	40.44
		RGB	25.15	31.76	48.50	62.14	71.48	26.16	19.04	37.19	6.95	0.00	11.10
	5,4,4	Lab	67.11	67.22	80.24	88.75	89.67	77.15	74.96	69.85	72.79	71.14	70.45
		HSV Average	46.83 46.36	64.93 54.64	67.93 65.56	65.80 72.23	78.33 79.83	60.84 54.72	65.58 53.19	75.27 60.77	61.60 47.11	51.96 41.03	63.24 48.26
		RGB	8.62	26.59	34.25	67.46	67.49	24.23	23.43	28.27	0.00	7.14	20.78
	5.45	Lab	60.55	63.27	74.52	87.81	92.69	77.16	74.94	65.36	70.35	76.00	76.00
	5,4,5	HSV	41.19	68.68	64.48	65.17	79.84	65.62	71.54	74.95	65.33	56.03	68.76
		Average	36.78	52.85	57.75	73.48	80.01	55.67	56.64	56.19	45.23	46.39	55.18
		RGB	0.00	18.41	19.02	65.07	56.76	18.90	24.55	17.04	0.00	19.33	27.94
	5,4,6	Lab	54.13	58.64	68.54	83.91	90.92	75.20	73.08	60.28	66.68	79.56	80.66
		HSV Average	35.06 29.73	70.70 49.25	59.74 49.10	62.81 70.60	78.33 75.34	69.06 54.39	76.31 57.98	72.26 49.86	67.50 44.73	58.96 52.62	73.03 60.54
		RGB	0.00	7.94	3.36	55.90	43.27	10.67	21.86	4.19	0.00	29.41	31.60
	5,4,7	Lab	48.03	53.98	62.73	79.14	86.22	72.12	70.29	55.25	62.56	81.70	83.91
	/,۳,۰	HSV	28.57	70.63	54.11	59.02	74.33	70.70	79.06	67.78	67.81	60.48	75.41
		Average	25.54	44.18	40.07	64.69	67.94	51.17	57.07	42.41	43.46	57.20	63.64
		RGB Lab	92.09 97.27	12.47 70.58	63.10 82.95	7.25 66.70	26.99 61.52	1.88 60.24	0.00 59.20	30.34 75.00	20.13 66.09	0.00 44.51	0.00 42.29
	5,5,0	HSV	53.14	44.10	68.62	46.49	58.42	37.94	36.10	59.62	41.24	24.48	38.20
		Average	80.84	42.38	71.56	40.15	48.98	33.35	31.77	54.99	42.49	22.99	26.83
		RGB	76.27	20.74	69.72	21.00	41.97	10.50	0.00	36.39	20.35	0.00	0.00
	5,5,1	Lab	88.89	71.44	88.10	73.76	69.92	66.41	64.49	75.84	70.31	51.70	50.26
		HSV	51.81	51.31	73.31	50.99	65.93	45.28	43.41	66.22	48.28	30.55	45.79
		Average RGB	72.33 60.33	47.83 26.80	77.04 68.76	48.58 34.05	59.28 56.34	40.73 17.02	35.97 0.00	59.49 39.11	46.32 17.52	27.42 0.00	32.02 0.00
		Lab	80.98	71.00	88.78	80.20	77.75	71.50	69.05	74.95	72.82	58.67	57.74
	5,5,2	HSV	49.26	58.25	76.20	54.54	73.20	52.42	50.52	72.11	55.02	36.21	53.27
		Average	63.52	52.02	77.91	56.26	69.10	46.98	39.86	62.06	48.45	31.63	37.00
		RGB	44.53	29.24	60.99	45.32	69.24	21.00	5.46	37.50	12.00	0.00	0.00
	5,5,3	Lab	73.73	68.68	85.15	84.69	84.81	74.87	71.81	72.05	73.25	64.61	64.43
		HSV	45.65 54.64	64.77	76.62	56.91 62.31	79.94 78.00	59.26 51.71	57.33	76.75 62.10	61.29	41.34	60.55
		Average RGB	54.64 28.73	54.23 28.12	74.25 49.40	62.31 53.87	78.00 77.98	22.01	44.87 11.03	62.10 32.14	48.85 4.25	35.32 0.00	41.66 7.20
		Lab	66.80	65.35	79.80	86.71	91.12	76.47	73.06	68.11	71.95	69.90	70.59
	5,5,4	HSV	41.19	70.57	74.44	57.88	85.41	65.62	63.68	79.26	66.84	45.78	67.52
		Average	45.57	54.68	67.88	66.16	84.83	54.70	49.25	59.84	47.68	38.56	48.44
		RGB	12.81	23.89	35.87	58.21	76.82	19.85	14.21	23.96	0.00	0.00	16.04
	5,5,5	Lab	60.08	61.15	73.87	85.35	95.19	76.08	72.51	63.39	69.16	74.20	76.12
		HSV	36.04 36.31	75.15 53.39	70.23 59.99	57.37 66.98	87.77 86.59	71.18 55.70	69.27 52.00	78.88 55.41	71.24 46.80	49.36	73.93 55.36
		Average RGB	0.00	16.53	21.58	56.38	67.34	14.69	14.12	13.41	0.00	41.19 7.53	22.52
		Lab	53.78	56.53	68.00	81.66	92.80	74.00	70.45	58.37	65.48	77.00	80.56
	5,5,6	HSV	30.37	77.75	64.71	55.42	85.41	75.39	73.63	75.75	73.90	51.87	79.24
		Average	28.05	50.27	51.43	64.49	81.85	54.69	52.73	49.17	46.46	45.47	60.77
		RGB	0.00	6.96	6.92	49.67	54.17	7.43	11.49	1.54	0.00	15.59	26.55
	557	Lab	47.59	51.80	62.12	77.07	87.34	70.86	67.57	53.28	61.30	78.57	83.74

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Color Ref	H, S, V	Distance Mode HSV	BLACK (%) 24.28	77.66	BROWN (%) 58.39	GRAY (%) 52.22	GREEN (%) 79.94	ORANGE (%) 77.48	PINK (%) 76.06	70.73	RED (%) 74.29	WHITE (%) 53.16	YELLOW (%) 82.43
		Average	23.96	45.47	42.48	59.65	73.82	51.93	51.71	41.85	45.19	49.11	64.24
		RGB	92.33	12.04	62.56	6.68	26.90	1.30	0.00	29.63	19.50	0.00	0.00
	5,6,0	Lab	97.27	70.58	82.95	66.70	61.52	60.24	59.20	75.00	66.09	44.51	42.29
	3,0,0	HSV	45.65	46.26	72.87	40.05	60.02	39.78	34.09	60.31	43.40	19.61	39.59
		Average RGB	78.42 77.09	42.96 19.10	72.79 68.19	37.81 18.95	49.48 41.80	33.77 8.74	31.10 0.00	54.98 33.96	43.00 18.60	21.37 0.00	27.29 0.00
		Lab	88.67	70.66	87.70	73.38	70.09	66.09	63.90	75.01	69.85	51.38	50.21
	5,6,1	HSV	44.50	53.81	78.46	44.03	67.90	47.37	41.15	67.05	50.74	25.29	47.38
		Average	70.09	47.86	78.12	45.46	59.93	40.73	35.02	58.67	46.40	25.56	32.53
		RGB	61.86	23.70	67.08	30.05	56.48	14.13	0.00	34.92	14.99	0.00	0.00
	5,6,2	Lab HSV	80.69 42.27	69.84 61.19	88.44 82.18	79.56 47.12	78.12 75.75	71.27 54.84	68.24 47.95	73.84 73.12	72.44 57.87	58.22 30.52	57.84 55.12
		Average	61.61	51.58	79.23	52.24	70.12	46.75	38.73	60.63	48.43	29.58	37.65
		RGB	46.63	25.38	59.81	39.33	70.59	17.09	0.00	32.38	8.97	0.00	0.00
	5,6,3	Lab	73.33	67.26	84.63	83.57	85.43	74.46	70.64	70.69	72.66	63.95	64.57
		HSV	39.08 53.01	68.31	82.74	49.13 57.34	83.51 79.84	62.12 51.22	54.38 41.67	77.97 60.34	64.65 48.76	35.20 33.05	62.76 42.44
		Average RGB	31.40	53.65 23.95	75.73 48.93	45.86	82.69	17.35	3.20	26.70	1.00	0.00	2.86
	5.6.4	Lab	66.50	63.76	79.32	84.95	92.05	75.76	71.40	66.64	71.16	68.72	70.54
	5,6,4	HSV	35.06	74.91	79.89	49.96	90.91	69.06	60.25	80.64	70.83	39.19	70.25
		Average	44.32	54.21	69.38	60.25	88.55	54.06	44.95	57.99	47.66	35.97	47.88
		RGB	16.22	19.58	36.16	48.31	86.04	14.62	4.50	18.39	0.00	0.00	10.49
	5,6,5	Lab HSV	59.75 30.37	59.53 80.49	73.44 74.75	83.53 49.52	97.13 95.60	75.39 75.39	70.76 65.29	61.94 80.23	68.44 75.95	72.71 42.36	76.11 77.42
		Average	35.44	53.20	61.45	60.46	92.92	55.13	46.85	53.52	48.13	38.36	54.67
		RGB	1.00	12.72	22.63	46.66	76.46	9.68	3.69	8.43	0.00	0.00	16.37
	5,6,6	Lab	53.19	54.79	67.40	79.89	93.50	73.30	68.64	56.81	64.71	75.31	80.74
	-,-,-	HSV	25.12	83.93	68.43	47.87	90.91	80.49	69.08	76.92	79.21	44.56	83.84
		Average RGB	26.44 0.00	50.48 3.89	52.82 8.59	58.14 41.01	86.96 62.91	54.49 2.64	47.14 0.55	47.38 0.00	47.97 0.00	39.95 2.02	60.32 19.81
		Lab	46.76	49.63	61.25	74.99	87.42	69.77	65.24	51.33	60.16	76.06	83.67
	5,6,7	HSV	19.43	83.81	61.50	45.10	83.51	83.21	71.13	71.69	79.69	45.67	88.22
		Average	22.06	45.78	43.78	53.70	77.94	51.87	45.64	41.01	46.62	41.25	63.90
	I	RGB	92.58	11.23	62.03	5.91	26.76	0.73	0.00	28.61	18.88	0.00	0.00
	5,7,0	Lab HSV	97.39 38.05	70.29 47.30	82.87 75.22	66.48 33.28	61.39 60.07	60.13 40.61	58.97 31.22	74.74 59.43	66.01 44.49	44.28 14.29	42.16 39.95
		Average	76.01	42.94	73.38	35.22	49.41	33.82	30.06	54.26	43.13	19.52	27.37
		RGB	77.74	17.02	66.60	16.66	41.49	6.96	0.00	31.22	16.85	0.00	0.00
	5,7,1	Lab	88.39	70.25	87.47	73.27	70.30	65.96	63.64	74.55	69.60	51.32	50.28
	-,-,-	HSV	37.04	55.02	81.52	36.84	67.97	48.32	37.95	65.99	52.00	19.59	47.80
		Average RGB	67.72 62.90	47.43 20.43	78.53 64.96	42.26 25.99	59.92 56.16	40.42 11.15	33.86 0.00	57.25 30.69	46.15 12.34	23.64 0.00	32.69 0.00
		Lab	80.34	68.69	88.00	78.87	78.43	71.00	67.41	72.72	72.02	57.75	57.90
	5,7,2	HSV	35.06	62.65	86.02	39.56	75.83	55.95	44.36	71.83	59.35	24.42	55.61
		Average	59.43	50.59	79.66	48.14	70.14	46.03	37.25	58.41	47.90	27.39	37.84
		RGB	48.07	21.14	57.82	33.29	70.66	13.00	0.00	27.08	5.71	0.00	0.00
	5,7,3	Lab HSV	73.10 32.20	66.28 70.10	84.40 86.75	82.76 41.31	85.71 83.63	74.27 63.45	69.85 50.32	69.80 76.41	72.39 66.43	63.42 28.70	64.63 63.35
		Average	51.12	52.51	76.32	52.46	80.00	50.24	40.06	57.76	48.17	30.71	42.66
		RGB	33.24	19.04	47.18	37.61	84.42	12.07	0.00	20.64	0.00	0.00	0.00
	5,7,4	Lab	65.87	62.31	78.75	83.65	92.92	75.48	70.27	65.32	70.69	68.05	70.90
		HSV	28.57	77.22	83.20	42.02	91.13	70.70	55.65	78.88	73.01	32.31	70.99
		Average RGB	42.56 18.49	52.86 14.10	69.71 35.15	54.43 38.60	89.49 92.50	52.75 9.06	41.97 0.00	54.95 12.13	47.90 0.00	33.45 0.00	47.30 4.67
		Lab	59.19	57.94	72.86	81.84	98.87	74.79	69.20	60.50	67.76	71.44	76.22
	5,7,5	HSV	24.28	83.57	77.30	41.65	96.07	77.48	60.11	78.51	78.65	35.14	78.40
		Average	33.99	51.87	61.77	54.03	95.81	53.78	43.10	50.38	48.80	35.53	53.10
		RGB	3.65	7.33	22.08	36.31	82.32	3.81	0.00	2.28	0.00	0.00	9.44
	5,7,6	Lab HSV	52.59 19.43	53.14 87.85	66.80 70.43	78.21 40.21	93.59 91.13	72.66 83.21	66.98 63.36	55.35 75.43	64.02 82.40	73.68 37.08	80.81 85.24
		Average	25.22	49.44	53.10	51.58	89.02	53.23	43.45	44.35	48.81	36.92	58.50
		RGB	0.00	0.00	8.48	30.86	68.24	0.00	0.00	0.00	0.00	0.00	11.95
	5,7,7	Lab	46.17	48.08	60.66	73.49	87.20	69.09	63.65	49.96	59.47	74.26	83.54
		HSV	14.12	87.69	63.12	37.79	83.63	86.46	65.07	70.46	82.97	38.06	90.23
		Average RGB	20.10 89.28	45.26 16.02	44.09 65.47	47.38 10.83	79.69 27.42	51.85 4.69	42.90 0.00	40.14 35.10	47.48 23.19	37.44 0.00	61.91 0.00
	600	Lab	97.28	71.84	83.35	67.16	61.21	60.75	60.11	76.38	66.86	44.98	42.37
	6,0,0	HSV	79.83	21.60	35.14	66.31	34.49	16.58	31.17	39.20	18.16	37.43	18.61
		Average	88.80	36.49	61.32	48.10	41.04	27.34	30.43	50.23	36.07	27.47	20.33
		RGB Lab	68.09 88.67	30.20 76.40	73.84 88.99	32.00 75.77	40.95 68.54	18.63 67.81	1.06 67.97	50.27 81.04	28.23 72.45	0.00 53.58	0.00 50.29
	6,0,1	HSV	76.91	26.57	37.27	74.06	38.98	21.88	37.90	43.37	23.06	44.91	24.21
		Average	77.89	44.39	66.70	60.61	49.49	36.11	35.64	58.23	41.25	32.83	24.83
		RGB	46.90	39.41	67.80	53.15	48.95	29.53	19.68	59.45	27.79	0.00	0.00
	6,0,2	Lab	80.52	78.33	89.87	83.92	74.62	73.96	75.15	82.63	76.48	61.73	57.60
		HSV Average	71.96 66.46	30.97 49.57	38.45 65.38	81.63 72.90	42.72 55.43	26.71 43.40	44.30 46.38	46.67 62.92	27.41 43.89	52.25 37.99	29.36 28.99
		RGB	25.71	41.26	52.59	74.28	48.78	35.84	36.86	58.50	21.96	0.92	9.22
	6,0,3	Lab	73.05	77.57	85.59	91.39	78.95	78.12	80.91	80.85	77.75	69.20	63.90
	3,0,3	HSV	65.87	34.71	38.61	88.69	45.54	30.95	50.25	48.94	31.12	59.35	33.95
		Average	54.88	51.18	58.93	84.78	57.76	48.31	56.01	62.76	43.61	43.16	35.69
	I	RGB Lab	4.54 65.80	35.15 74.65	34.29 79.59	95.10 98.55	40.52 81.16	36.19 80.20	51.07 84.97	47.96 76.82	11.82 76.64	22.03 76.43	21.17 69.49
	6,0,4	HSV	59.13	37.64	37.75	93.28	47.31	34.50	55.57	50.03	34.08	66.07	37.86
		Average	43.16	49.15	50.54	95.64	56.33	50.30	63.87	58.27	40.85	54.84	42.84
		RGB	0.00	23.03	14.64	83.06	26.59	30.22	59.15	32.16	0.00	43.26	29.09
	6,0,5	Lab	59.00	70.52	73.39	94.52	80.83	79.84	86.14	71.85	73.75	83.21	73.98
	l '	HSV	52.02 37.01	39.67 44.41	35.90 41.31	90.59 89.39	47.92 51.78	37.24 49.10	60.02 68.44	49.88 51.29	36.18 36.64	72.14 66.20	40.96 48.01
		Average RGB	0.00	7.05	0.00	62.00	9.98	49.10 19.77	57.29	13.94	0.00	64.26	48.01 32.04
	606	Lab	52.44	65.78	67.21	87.98	78.25	77.57	84.47	66.52	69.87	89.75	77.17
	6,0,6	HSV	44.68	40.69	33.16	83.93	47.31	39.06	63.26	48.48	37.34	77.03	43.10
		Average	32.37	37.84	33.46	77.97	45.18	45.47	68.34	42.98	35.74	77.01	50.77
		RGB	0.00 45.87	0.00	0.00	40.91 81.41	0.00	6.15	46.63 80.44	0.00	0.00	84.90 96.12	29.19
	6,0,7	Lab HSV	45.87 37.19	60.45 40.66	60.87 29.62	81.41 76.45	74.33 45.54	73.71 39.88	80.44 64.97	60.73 45.93	65.06 37.50	96.12 79.87	78.80 44.19
		Average	27.69	33.70	30.17	66.26	39.96	39.91	64.01	35.55	34.19	86.97	50.72
			· 	· 					· 				

Main	Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
No.														
		6,1,0												
March Marc														
6.11														
Color Colo		611	Lab	89.07	75.71	88.67	75.31	68.57	67.32	67.26	80.24	71.87	53.12	50.02
Color		0,1,1		74.32	32.74	44.74	72.22	45.58	27.57	40.96	49.80	29.01	43.78	29.69
100 11														
Page														
March Marc		6,1,2												
March Marc														
10														
Color Colo		613	Lab	73.65	76.85	85.71	90.58	79.62		79.46	79.98	76.77	68.46	63.60
Mail		0,1,5												
The														
March Marc														
Annale Carp		6,1,4												
140 200 726														
March 190 2277 278 2319 2319 2329 2449 2427 2377 2310 2399 2439 2				0.00	27.66	18.41		34.08	28.07	51.68	33.56	0.00	36.53	26.57
Section 1975 1976		6.1.5												
Month Color Colo		.,,,												
A														
Margin 190 103 104 101 1013 1013 1017 103 103 104														
Page 1233		6,1,6												
Color														
No. No. 14.20 44.50 14.51 14.44 13.26 47.44 70.74 127.5 14.50 14.50 15.50 15.50 14.50			RGB											
The color		6,1,7												
Georgia 1988 1322 64.65 972 7723 2.56 0.00 3368 21.55 0.00 0.00														
Column														
Section Sect														
American 1968 1975 1976 1986 1975 1976 1986 1986 1987 1987 1987 1987 1987 1987 1988 1987 1988 198		6,2,0												
6.2.1 inc						65.65						39.11		
April Sept			RGB											
March Marc		6,2,1												
6.2.2 Lib 51.5.6 7.6444 May 19.2.2 Lib 11.6.5 7.6444 May 19.2.2 Lib 11.6.5 17.6														
Col.														
No.														
Seal 1.08		6,2,2												
Column C			Average	66.23	52.98	70.15	68.19	61.29	45.01	45.18	64.84	45.86	36.31	32.57
No.														
Average \$5.81 \$5.81 \$5.86 \$6.78 \$7.80 \$6.62 \$6.92 \$5.87 \$6.57 \$6.57 \$6.78 \$6.98 \$3.87 \$1.80 \$1.20 \$1.81 \$7.40 \$6.99 \$1.00 \$1.10 \$1.50 \$1.20 \$1.80 \$1.20 \$1.81 \$7.40 \$6.99 \$1.00 \$1.10 \$1.50 \$1.20 \$1.80 \$1.20 \$1.81 \$1.20 \$1.81 \$1.20 \$1		6,2,3												
6.2.4 LBS 673.2 731.5 Ba.60 B.78 51.81 29.48 37.40 46.39 8.04 11.40 15.08 LBS 673.2 731.5 Ba.60 8.437 8.37 78.39 15.02 73.55 74.55 74.55 63.89 15.00 73.2 731.5 Ba.60 8.437 8.37 78.39 15.02 73.55 74.55 74.25 63.89 15.00 74.														
6.2.4 Lib G 7.3.2 7.3.15 80.40 84.97 83.77 78.30 10.102 77.5.25 74.8.5 74.25 66.98 10.10														
Horse 14-70 15-72 15-		624												
RGB		6,2,4	HSV	54.73	52.28	52.67	80.79	62.88	48.01	63.15	64.66	47.94	60.88	51.17
6.2.5 Lab 60-46 60-11 74-29 89-55 84-60 72-25 81-87 70-33 77-14 80-67 77-29 80-67														
Accordance Acc														
Average 36.23 51.82 48.68 88.05 63.22 51.64 64.84 56.24 4.09.2 \$8.71 50.88 1 66.2 62.0 68.0 68.0 68.0 68.0 68.0 68.0 68.0 68		6,2,5												
RGB														
6.2.6 Lab 54.09 64.75 68.32 88.62 82.67 76.26 80.61 65.47 68.48 86.36 77.38														
Hy 41.55		626	Lab	54.09	64.75			82.67				68.48		77.58
6.2,7 160 160 160 160 17.5 11.00 17.3 18.80 1.99 0.00 62.01 17.5 18.0 19.0 19.0 19.80 17.3 19.0 19.0 19.80 17.3 19.0 19.0 19.80 17.3 19.0		0,2,0	HSV											
6.2,7 Lab 47.94 59.91 62.47 82.76 79.15 73.12 77.61 60.22 66.29 80.889 79.93 19.8 19.8 19.9 19.8 27.39 19.9 19.8 27.39 19.9 19.8 27.39 19.9 19.8 27.39 19.9 19.8 27.39 19.9 19.8 27.27 30.0 0.0 32.97 21.32 0.0 0.0 0.0 19.5 19.3 19.8 19.8 19.8 19.8 19.8 19.8 19.8 19.8														
HeV 34.24 56.29 42.39 70.37 60.41 54.97 75.27 59.07 52.33 72.00 59.53 Nerrage 27.39 39.94 43.95 68.52 50.18 44.61 63.93 40.43 38.88 74.97 55.68 RGB 90.68 14.81 63.99 9.18 27.27 30.00 0.00 32.97 21.132 0.00 0.00 0.00 1.00 1.00 1.00 1.00 1.0														
Average 73.39 39.94 34.95 68.52 50.18 44.61 63.93 40.43 38.88 74.97 55.68 R68 90.699 14.81 63.99 91.8 27.27 30.0 0.00 32.97 21.32 0.00 0.00 Lab 97.31 71.05 83.16 66.94 61.49 60.48 59.58 75.51 66.41 44.75 42.39 HSV 65.87 37.39 55.90 57.46 51.16 30.95 36.73 55.11 33.40 31.64 32.18 Average 84.62 41.08 67.68 44.53 46.64 31.48 32.10 54.53 40.38 25.46 24.36 Average 38.62 74.52 88.11 74.78 68.93 66.67 66.23 78.83 70.93 52.51 49.38 HSV 64.06 43.73 59.11 63.28 57.38 37.46 44.12 60.94 39.52 38.41 39.02 Average 75.07 48.77 72.59 55.11 56.02 39.21 36.78 61.42 44.53 30.34 22.93 Average 75.07 48.77 72.59 55.11 56.02 39.21 36.78 61.42 44.53 30.34 22.93 Average 75.07 48.77 72.59 55.11 56.02 39.21 36.78 61.42 44.53 30.34 22.93 Average 75.07 48.77 72.59 55.11 56.02 39.21 36.78 61.42 44.53 30.34 22.93 Average 75.07 48.77 72.59 88.80 82.23 75.68 71.84 72.08 79.49 73.78 60.18 55.69 HSV 60.71 49.62 60.94 63.18 63.94 45.59 44.10 65.46 46.61 35.02 34.16 Average 65.16 54.34 72.19 65.04 63.94 45.59 44.10 65.46 46.61 35.02 34.16 Average 55.10 57.28 67.31 73.33 62.28 50.12 77.55 74.71 66.99 63.25 Average 55.10 57.28 67.31 73.33 62.28 50.12 77.55 74.71 66.99 63.25 Average 55.10 57.28 67.31 73.33 62.28 50.12 51.92 66.01 46.57 39.30 38.88 Average 55.10 57.28 67.31 73.33 62.28 50.12 51.92 66.01 46.57 39.30 38.88 Average 55.10 57.28 67.31 73.33 62.28 50.12 51.92 66.01 46.57 73.93 73.16 Average 35.24 44.76 57.46 60.01 80.47 70.53 52.92 52.50 70.50 71.18 77.45 60.33 61.78 Average 35.44 44.76 57.46 60.01 80.47 70.53 50		6,2,7												
RGB 99699 11481 63.99 9.18 27.27 3.00 0.00 32.97 21.32 0.00 0.00 0.00 1.29 1.39 1.30 1.30 1.30 1.30 1.30 1.30 1.30 1.30					20.04					60.00			74.07	
HyV 65.87 37.39 55.90 57.46 51.16 30.95 36.73 55.11 33.40 31.64 32.18 Average 84.62 41.08 67.68 44.53 46.64 31.48 32.10 54.53 40.38 25.46 24.56 RGB 71.88 28.04 70.56 27.26 41.75 13.51 0.00 44.48 23.15 0.00 0.00 0.00 1.00 1.00 1.00 1.00 1				90.69	14.81	63.99	9.18	27.27	3.00	0.00		21.32	0.00	0.00
HSV 65.87 37.99 55.90 57.46 51.16 30.95 36.73 55.11 33.40 31.64 32.18 Average 84.62 41.08 67.68 44.53 46.64 31.48 32.10 54.53 40.38 23.46 24.86 68.68 71.88 28.04 70.56 27.26 41.75 13.51 0.00 44.48 23.15 0.00 0.00 0.00 1.00 1.00 1.00 1.00 1		6.3.0												
Rightarrow Rig		-,-,-												
1.6														
HSV 64.06 43.73 59.11 63.28 57.38 37.46 44.12 60.94 39.52 38.41 39.02 Norrange 75.07 43.87 72.59 55.11 55.02 39.21 36.78 61.42 44.33 30.34 29.63 R68 53.32 37.62 66.82 44.72 53.23 21.33 8.90 50.98 20.87 0.00 0.00 Lub 31.46 75.79 88.80 82.3 75.68 71.84 72.08 79.49 73.78 60.18 56.95 HSV 60.71 49.62 60.94 88.80 62.3 45.60 51.33 65.91 45.17 44.88 45.55 Neverage 65.16 54.34 72.19 65.04 63.34 45.59 44.10 65.46 46.61 35.02 34.16 R68 34.80 42.29 55.29 61.23 59.16 25.01 20.00 11.2 1.2														
Average 75.07 48.77 72.59 55.11 56.02 39.11 36.78 61.42 44.53 30.34 29.63 RGB 53.22 37.62 66.82 44.72 53.23 21.33 8.90 50.98 20.87 0.00 0.00 Lab 81.46 75.79 88.80 82.23 75.68 71.84 72.08 79.49 73.78 60.18 56.95 HSV 60.71 49.62 60.94 68.18 62.93 43.60 51.33 65.91 45.17 44.88 45.55 Average 65.16 54.34 72.19 56.04 63.94 45.59 44.10 65.46 46.61 35.02 34.16 RGB 34.80 42.29 55.29 61.23 59.16 25.61 21.07 50.88 14.82 0.00 1.12 BS 74.34 74.66 85.45 88.61 81.21 75.52 76.42 77.75 74.71 66.99 63.94 Average 55.10 57.28 67.31 73.83 69.28 50.12 51.92 66.01 46.57 39.30 38.68 RGB 16.10 41.17 40.09 75.05 56.92 25.88 30.66 44.36 5.59 5.83 11.54 BS RGB 16.10 41.17 40.09 75.05 56.92 25.88 30.66 44.36 5.59 5.83 11.54 BS 74.74 F. 74.75 74.		6,3,1												
Lab 81.46 75.79 88.80 82.23 75.68 71.84 72.08 79.49 73.78 60.18 56.95 HSV 60.71 49.62 60.94 66.18 62.93 43.60 51.33 65.91 45.17 44.88 55.55 Average 65.16 54.34 72.19 65.04 63.94 45.59 44.10 65.46 46.61 35.02 34.16 RGB 34.80 42.29 55.29 51.23 59.16 25.61 21.07 50.88 14.82 0.00 1.12 Lab 74.34 74.66 85.45 88.61 81.21 75.52 76.42 77.55 74.71 66.99 63.25 HSV 56.15 54.87 61.19 71.66 67.47 49.24 58.28 69.58 50.19 50.90 51.66 Average 55.10 57.28 67.31 73.83 69.28 50.12 51.92 66.01 46.57 39.30 38.68 RGB 16.10 41.17 40.09 75.05 56.92 25.58 30.66 44.36 55.59 5.83 11.54 Lab 67.46 77.98 80.11 39.19 85.05 77.30 79.14 73.97 73.61 73.43 68.89 HSV 50.72 59.24 59.84 73.16 70.53 54.19 64.80 71.46 54.36 56.30 57.16 Average 44.76 57.46 60.01 80.47 70.83 52.36 58.20 63.26 44.52 45.19 45.86 Average 44.76 57.46 60.01 80.47 70.83 52.36 58.20 63.26 44.52 45.19 45.86 Average 35.24 54.91 51.79 27.22 86.41 77.40 79.88 69.58 71.32 79.20 73.79 Average 35.24 54.91 51.79 31.45 68.68 52.40 62.23 57.95 42.93 54.05 51.69 Average 35.24 54.91 51.79 31.45 68.68 52.40 62.23 57.95 42.93 54.05 51.69 Average 30.94 50.24 42.81 57.76 53.46 50.17 63.49 50.83 42.28 61.93 55.64 Average 30.94 50.24 42.81 57.76 63.49 50.17 63.49 50.83 42.28 61.93 55.64 Average 30.94 50.24 42.81 57.76 63.46 50.17 63.49 50.83 42.28 61.93 55.64 Average 30.94 50.24 42.81 57.76 53.46 50.17 63.49 50.83 42.28 61.93 55.64 Average 30.94 50.24 42.81 57.06 63.46 50.17 63.49 50.83 42.28 61.93 55.64 Average 30.94 50.24 42.81 50.96 66.81 55.00 66.99 Average 3														
HSV 60.71 49.62 60.94 86.18 62.93 43.60 51.33 65.91 45.17 44.88 45.55 Average 65.16 54.34 72.19 65.04 63.94 45.59 44.10 65.46 46.61 35.02 34.16 6.33 48.0 42.29 55.29 51.23 59.16 25.61 21.07 50.88 14.82 0.00 1.12 63.34 16 1.00 1.12 1.00 1.00														
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No.50														
March Marc		6,5,3												
Section 17:01 40:74 40:88 61:64 68:24 17:70 17:74 38:31 0.00 0.00 3.85														
6.5,4 HSV 4029 7136 7287 7287 7287 7285 8287 8270 7287 7386 8278 8270 7287 7386 8278 8287 8287 8287 8287 8287 8287 82														
March Marc		65.4												
Right 4.77 360-44 25-99 65-28 59-80 12-99 20-54 28-84 0.00 7-10 10-42		6,5,4												
6.5.5 Lab 61.11 65.68 74.16 89.60 89.39 77.37 77.53 77.53 67.77 69.52 77.693 77.80														
No. 16V														
Average 33.70 59.41 56.34 70.63 79.77 52.81 55.05 59.15 46.32 44.12 57.32		6,5,5												
6.5.6 GSB 0.00 27.58 10.05 66.64 48.20 5.53 20.09 16.53 0.00 18.32 13.72 6.5.6 16.00 29.06 79.09 61.55 55.11 88.86 73.67 72.48 78.02 77.48 78.02 77.14 50.78 77.79 6.6.6 0.00 16.018 0.00 20.08 20.08 20.08 20.08 20.08 20.08 20.08 20.08 6.5.7 6.6.8 0.00 16.018 0.00 20.08						1								
HSV 29.60 79.99 63.55 55.11 84.86 73.67 72.48 78.02 71.94 59.78 77.79														
HSV 25.60 79.09 63.55 55.51 84.86 73.67 72.48 78.02 77.54 50.78 77.79		6,5,6												
BGB 0.00 16.08 0.00 30.46 34.33 0.00 16.33 2.96 0.00 27.38 14.30		.,.,.												
Lab														
HSV 23.58 78.99 57.41 51.92 79.54 75.62 74.80 72.59 72.29 52.04 80.74 HSV 23.58 78.99 57.41 51.92 79.54 75.62 74.80 72.59 72.29 52.04 80.74 HSV 24.12 50.67 40.03 61.11 66.00 48.86 54.46 44.33 44.77 54.46 58.47 HSV 24.12 50.67 40.03 61.11 66.00 48.86 54.46 44.33 44.77 54.46 61.51 HSV 44.68 46.80 77.38 39.81 59.81 39.90 33.52 61.86 42.46 13.95 39.08 HSV 44.68 46.80 77.38 39.81 59.81 39.90 33.52 61.86 42.46 13.95 39.08 HSV 24.52 66.58 22.29 41.86 83.51 00.0 33.29 18.02 0.00 0.00 HSV 44.68 46.80 47.76 47.75 4		657												
RGB 91.52 13.92 62.40 7.71 27.08 1.29 0.00 31.12 19.43 0.00 0.00		6,5,7	HSV	23.58	78.99	57.41	51.92	79.54	75.62	74.80	72.59	72.29	52.04	80.74
Lab 97.32 70.73 82.84 66.71 61.44 60.15 59.21 75.10 66.01 44.51 42.21														
HSV 44.68 45.80 73.38 39.81 59.81 39.06 33.62 61.66 42.46 18.95 39.08 39.08 Average 72.84 43.82 72.21 38.07 49.45 33.30 39.5 55.56 42.63 21.15 77.10 Average 72.84 43.82 72.21 38.07 49.45 33.30 39.5 55.56 42.63 21.15 77.10 Average 66.58 22.09 41.96 83.5 0.00 38.29 18.02 0.00 0.00 0.00 1.00 1.00 1.00 1.00 1				07.00	70.70									
Average		6,6,0												
RGB 74.76 24.92 66.58 22.09 41.86 8.35 0.00 38.29 18.02 0.00 0.00 0.00 1.ab 88.44 73.03 87.42 73.95 69.11 65.87 64.95 77.18 69.91 51.83 49.57 HVV 43.55 54.44 76.62 43.78 67.65 46.55 46.55 40.63 68.69 49.67 24.58 46.80 Average 90.25 50.80 76.87 46.61 59.54 40.26 35.19 61.38 45.87 25.47 32.12 RGB 57.82 33.78 62.77 35.58 55.16 12.79 0.00 41.69 133.8 0.00 0.00 0.00 1.ab 81.60 73.24 88.03 80.72 76.52 70.68 69.81 76.80 72.25 58.95 56.74 HVV 41.35 61.94 79.98 46.85 75.42 53.89 47.36 75.16 56.63 29.76 54.43 Average 60.26 56.32 76.93 54.39 54.39 RGB 41.09 38.68 53.14 46.96 85.38 14.33 561 40.15 61.2 0.00 0.00 0.00 RGB 41.09 38.68 53.14 46.96 85.38 14.33 561 40.15 61.2 0.00 0.00 0.00 RGB 41.09 38.68 53.14 46.96 85.38 14.33 561 40.15 61.2 0.00 0.00 0.00 RGB 41.09 38.68 53.14 46.96 85.38 14.33 561 40.15 61.2 0.00 0.00 0.00 RGB 41.09 38.68 53.14 46.96 85.38 14.33 561 40.15 61.2 0.00 0.00 0.00 RGB 41.09 38.68 53.14 46.96 85.38 14.33 561 40.15 61.2 0.00 0.00 0.00 RGB 41.09 38.68 53.14 46.96 85.38 14.33 561 40.15 61.2 0.00 0.00 0.00 RGB 41.09 38.68 53.14 46.96 85.38 14.33 561 40.15 61.2 0.00 0.00 0.00 RGB 41.09 38.68 53.14 46.96 85.38 14.33 561 40.15 61.2 0.00 0.00 0.00 RGB 41.09 38.68 53.14 46.96 85.38 14.33 561 40.15 61.2 0.00 0.00 0.00 RGB 41.09 38.68 53.14 46.96 85.38 14.33 561 40.15 61.2 0.00 0.00 0.00 0 0.00														
HSV 43.55 5.4.44 76.62 43.78 67.65 46.55 40.63 68.69 49.67 24.58 46.80 Average 69.25 50.80 76.87 46.61 59.54 40.26 69.81 40.26			RGB	74.76	24.92	66.58	22.09	41.86	8.35	0.00	38.29	18.02	0.00	0.00
HSV 43.55 54.44 76.62 43.78 67.65 46.55 40.63 88.99 49.67 24.58 46.80 76.87 45.61 59.54 40.26 35.19 61.38 46.87 25.47 32.12 8.60 57.82 33.78 62.77 33.58 55.16 12.79 0.00 41.69 13.38 0.00 0.00 0.00 1.00 1.00 1.00 1.00 1.0		6,6,1												
RGB 57.82 33.78 62.77 35.58 55.16 12.79 0.00 41.69 13.38 0.00 0.00 0.00 41.69 13.88 0.00 0.00 0.00 41.69 13.88 0.00 0.00 0.00 41.69 13.88 0.00 0.00 0.00 41.69 13.88 0.00 0.00 0.00 41.69 13.88 0.00 0.00 0.00 41.69 13.88 0.00 0.00 0.00 41.69 13.88 0.00 0.00 0.00 41.69 13.88 0.00 0.00 0.00 0.00 0.00 0.00 0.00														
6,6,2 Lab														
HSV 41.35 61.94 79.98 46.85 75.42 53.89 47.36 75.16 56.63 29.76 54.43 Average 60.26 56.32 75.93 54.39 60.03 45.79 39.06 64.55 47.42 29.57 37.06 66.45 47.42 29.57 37.06 66.45 47.42 29.57 37.06 66.45 47.42 29.57 37.06 66.45 47.42 29.57 37.06 66.45 47.42 29.57 37.06 66.45 47.42 29.57 37.06 66.45 47.42 29.57 37.06 66.45 47.42 29.57 37.06 66.45 47.42 29.57 37.06 66.45 47.42 29.57 37.06 65.22 62.96 67.00 47.33 37.00 47.00 49.72 44.17 65.07 47.33 33.20 41.63 47.00 49.72 44.17 65.07 47.33 33.20 41.63 47.00 49.72 44.17 65.07 47.33 33.20 41.63 47.00 49.72 44.17 65.07 47.33 33.20 41.63 47.00 49.72 44.17 65.07 47.33 47.38 70.91 66.64 47.00 49.72 49.00 49.70 47.00 49.70		6.6.2												
RGB		-,-,-												
Lab														
HSV 38.21 69.23 80.48 48.86 83.02 60.98 53.70 80.50 63.17 34.38 61.94 Average 51.28 59.89 72.79 60.61 77.04 49.72 44.17 65.07 47.33 33.20 41.63 RGB 24.18 39.44 40.16 55.11 68.96 12.65 10.70 34.42 0.00 0.00 0.00 0.00 Lab 67.72 68.77 79.63 89.00 87.86 75.29 74.92 70.83 71.38 70.91 68.64 Average 42.05 61.43 65.90 64.59 82.29 51.87 48.37 62.94 46.81 36.41 45.95 Average 42.05 61.43 65.90 64.59 82.29 51.87 48.37 62.94 46.81 36.41 45.95 RGB 7.32 35.58 25.56 57.51 64.00 7.73 12.59 25.13 0.00 0.00 0.0 4.99 Lab 61.16 64.93 74.02 88.39 90.45 75.08 75.01 66.40 68.87 75.91 73.65 HSV 29.60 82.03 73.16 49.25 94.03 73.67 64.41 83.10 73.83 41.44 76.08 Average 32.69 60.85 57.58 65.05 82.83 52.16 50.67 58.21 47.57 39.11 51.57 RGB 0.00 27.63 10.55 53.87 53.51 0.72 11.57 13.67 0.00 8.89 8.09 Average 24.41 85.84 67.14 47.60 90.06 78.37 68.09 79.32 76.79 43.60 82.02 Average 26.41 57.99 48.64 62.09 77.56 50.78 51.04 0.07 73.61 77.22 44.70 85.82 82.02 88.16 86.90 73.35 44.40 55.93 85.17 70.27 70.63 56.37 61.28 82.11 80.40 55.93 85.17 70.27 70.63 56.37 61.28 82.11 80.40 55.93 85.17 70.27 70.63 56.37 61.28 82.11 80.40 55.93 85.17 70.27 70.63 56.37 61.28 82.11 80.40 85.20 82.02 80.40 80.90 17.11 0.00 45.21 39.84 0.00 7.64 0.75 0.00 16.28 8.16 82.10 80.40 80		6.5.5												
RGB 24.18 39.44 40.16 55.11 68.96 12.65 10.70 34.42 0.00 0.00 0.00		6,6,3												
6,6,4 Lab 67.72 68.77 79.63 89.00 87.86 75.29 74.92 70.83 71.38 70.91 68.64 HSV 34.24 76.09 77.92 49.68 90.06 67.68 59.48 63.57 69.06 38.32 69.22 Average 42.05 61.43 65.90 64.59 82.29 51.87 48.37 62.94 46.81 36.41 45.95 RGB 7.32 35.58 25.56 57.51 64.00 7.73 12.59 25.13 0.00 0.00 4.99 Lab 61.16 64.93 74.02 88.39 90.45 75.08 75.01 66.40 68.87 75.91 73.65 HSV 29.60 82.03 73.16 49.25 94.03 73.67 64.41 83.10 73.83 41.44 76.08 Average 32.69 60.85 57.58 65.05 82.83 52.16 50.67 58.21 47.57 39.11 51.57 RGB 0.00 27.63 10.55 53.87 53.51 0.72 11.57 13.67 0.00 8.89 8.09 HSV 24.41 85.84 67.14 47.60 90.06 78.37 68.09 79.32 76.79 43.60 82.02 Average 26.41 57.99 48.64 62.09 77.56 50.78 51.04 51.49 47.39 44.10 55.93 RGB 0.00 17.11 0.00 45.21 39.84 0.00 7.64 0.75 0.00 16.28 8.16 HSV 18.77 85.70 60.43 44.85 83.02 80.78 70.07 73.61 77.22 44.70 85.82 RGB 91.76 13.49 61.87 7.14 26.99 0.72 0.00 30.40 18.81 0.00 0.00 Lab 97.32 70.73 82.84 66.71 61.44 60.15 59.21 75.10 66.01 44.51 42.21 HSV 37.19 47.85 73.60 33.07 59.86 39.88 30.77 50.07 43.54 13.67 39.44 46.81 36.41 45.57 43.56 43.57 43.56 43.58 46.16 47.70 58.13 RGB 91.76 13.49 61.87 7.14 26.99 0.72 0.00 30.40 18.81 0.00 0.00 Lab 97.32 70.73 82.84 66.71 61.44 60.15 59.21 75.10 66.01 44.51 42.21 HSV 37.19 47.85 73.60 33.07 59.86 39.88 30.77 60.74 43.54 13.67 39.44 46.81 59.42 59														
HSV 34.24 76.09 77.92 49.68 90.06 67.68 59.48 83.57 69.06 38.32 69.22 Average 42.05 61.43 65.90 64.59 82.29 51.87 48.37 62.94 46.81 36.41 45.95 RGB 7.32 35.58 25.56 57.51 64.00 7.73 12.59 25.13 0.00 0.00 0.00 4.99 Lab 61.16 64.93 74.02 88.39 90.45 75.08 75.01 66.40 68.87 75.91 73.65 HSV 29.60 82.03 73.16 49.25 94.03 73.67 64.41 83.10 73.83 41.44 76.08 Average 32.69 60.85 57.58 65.05 82.83 52.16 50.67 58.21 47.57 39.11 51.57 RGB 0.00 27.63 10.55 53.87 53.51 0.72 11.57 13.67 0.00 8.89 8.09 Lab 54.81 66.50 68.23 84.79 89.13 73.26 73.45 61.50 65.38 79.80 77.70 Average 26.41 57.99 48.64 62.09 77.56 50.78 51.04 51.49 47.39 44.10 55.93 RGB 0.00 17.11 0.00 45.21 39.84 0.00 7.64 0.75 0.00 16.28 8.16 Lab 48.68 55.74 62.46 79.93 85.17 70.27 70.63 56.37 61.28 82.11 80.40 HSV 18.77 85.70 60.43 44.85 83.02 80.78 70.07 73.61 77.22 44.70 85.82 Average 22.48 52.85 40.96 56.67 69.34 50.35 49.45 43.58 46.16 47.70 58.13 RGB 91.76 13.49 61.87 7.14 26.99 0.72 0.00 30.40 18.81 0.00 0.00 0.00														
Average 42.05 61.43 65.90 64.59 82.29 51.87 48.37 62.94 46.81 36.41 45.95 RGB 7.32 35.58 25.56 57.51 64.00 7.73 12.59 25.13 0.00 0.00 4.99 Lab 61.16 64.93 74.02 88.39 90.45 75.08 75.01 66.40 68.87 75.91 73.65 HSV 29.60 82.03 73.16 49.25 94.03 73.67 64.41 83.10 73.83 41.44 76.08 Average 32.69 60.85 57.58 65.05 82.83 52.16 50.67 58.21 47.57 39.11 51.57 RGB 0.00 27.63 10.55 53.87 53.51 0.72 11.57 13.67 0.00 8.89 8.09 Lab 54.81 60.50 68.23 84.79 89.13 73.26 73.45 61.50 65.38 79.80 77.70 Average 26.41 85.84 67.14 47.60 90.06 78.37 68.09 79.32 76.79 43.60 82.02 Average 26.41 57.99 48.64 62.09 77.55 50.78 51.04 51.49 47.39 44.10 55.93 RGB 0.00 17.11 0.00 45.21 39.84 0.00 7.64 0.75 0.00 16.28 8.16 Lab 48.68 55.74 62.46 79.93 85.17 70.27 70.63 56.37 61.28 82.11 80.40 Average 22.48 52.85 40.96 56.67 69.34 50.35 49.45 43.58 46.16 47.70 58.82 RGB 91.76 13.49 61.87 7.14 26.99 0.72 0.00 30.40 18.81 0.00 0.00 Lab 97.32 70.73 82.84 66.71 61.44 60.15 59.21 75.10 66.01 44.51 42.21 RGB 91.76 13.49 61.87 7.14 26.99 0.72 0.00 30.40 18.81 0.00 0.00		6,6,4												
RGB 7.32 35.58 25.56 57.51 64.00 7.73 12.59 25.13 0.00 0.00 4.99 Lab 61.16 64.93 74.02 88.39 90.45 75.08 75.01 66.40 68.87 75.91 73.65 HSV 29.60 82.03 73.16 49.25 94.03 73.67 64.41 83.10 73.83 41.44 76.08 Average 32.69 60.85 57.58 65.05 82.83 52.16 50.67 58.21 47.57 39.11 51.57 R6B 0.00 27.63 10.55 53.87 53.51 0.72 11.57 13.67 0.00 8.89 8.09 HSV 24.41 85.84 67.14 47.60 90.06 78.37 68.09 79.32 76.79 43.60 82.02 Average 26.41 57.99 48.64 62.09 77.56 50.78 51.04 51.49 47.39 44.10 55.93 <														
HSV 29.60 82.03 73.16 49.25 94.03 73.67 64.41 83.10 73.83 41.44 76.08 Average 32.69 60.85 57.58 65.05 82.83 52.16 50.67 58.21 47.57 39.11 51.57 RGB 0.00 27.63 10.55 53.87 53.51 0.72 11.57 13.67 0.00 8.89 8.09 Lab 54.81 60.50 68.23 84.79 89.13 73.26 73.45 61.50 65.38 79.80 77.70 HSV 24.41 85.84 67.14 47.60 90.06 78.37 68.09 79.32 76.79 43.60 82.02 Average 26.41 57.99 48.64 62.09 77.56 50.78 51.04 51.49 47.39 44.10 55.93 RGB 0.00 17.11 0.00 45.21 39.84 0.00 7.64 0.75 0.00 16.28 8.16 Lab 48.68 55.74 62.46 79.93 85.17 70.27 70.63 56.37 61.28 82.11 80.40 HSV 18.77 85.70 60.43 44.85 83.02 88.078 70.07 73.61 77.22 44.70 85.82 Average 22.48 52.85 40.96 56.67 69.34 50.35 49.45 43.58 46.16 47.70 58.13 RGB 91.76 13.49 61.87 7.14 26.99 0.72 0.00 30.40 18.81 0.00 0.00 Lab 97.32 70.73 82.84 66.71 61.44 60.15 59.21 75.10 66.01 44.51 42.21 HSV 37.19 47.85 73.60 33.07 59.86 39.88 30.77 60.74 43.54 13.67 39.44			RGB	7.32	35.58	25.56	57.51	64.00	7.73	12.59	25.13	0.00	0.00	4.99
HSV 29.60 82.03 73.16 49.25 94.03 73.67 64.41 83.10 73.83 41.44 76.08 Average 32.69 60.85 57.58 65.05 82.88 52.16 50.67 58.21 47.57 39.11 51.57 RGB 0.00 27.63 10.55 53.87 53.51 0.72 11.57 13.67 0.00 8.89 8.09 Lab 54.81 60.50 68.23 84.79 89.13 73.26 73.45 61.50 65.38 79.80 77.70 Average 26.41 57.99 48.64 67.14 47.60 90.06 78.37 68.09 79.32 76.79 43.60 82.02 Average 26.41 57.99 48.64 62.09 77.56 50.78 51.04 51.49 47.39 44.10 55.93 RGB 0.00 17.11 0.00 45.21 39.84 0.00 7.64 0.75 0.00 16.28 8.16 Lab 48.68 55.74 62.46 79.93 85.17 70.27 70.63 56.37 61.28 82.11 80.40 HSV 18.77 85.70 60.43 44.85 83.02 80.78 70.07 73.61 77.22 44.70 85.82 Average 22.48 52.85 40.96 56.67 69.34 50.35 49.45 43.58 46.16 47.70 58.13 RGB 91.76 13.49 61.87 7.14 26.99 0.72 0.00 30.40 18.81 0.00 0.00 Lab 97.32 70.73 82.84 66.71 61.44 60.15 59.21 75.10 66.01 44.51 42.21 HSV 37.19 47.85 73.60 33.07 59.86 39.88 30.77 60.74 43.54 13.67 39.44		6,6,5												
RGB 0.00 27.63 10.55 53.87 53.51 0.72 11.57 13.67 0.00 8.89 8.09 Lab 54.81 60.50 68.23 84.79 89.13 73.26 73.45 61.50 65.38 79.80 77.70 HSV 24.41 85.84 67.14 47.60 90.06 78.37 68.09 79.32 76.79 43.60 82.02 Average 26.41 57.99 48.64 62.09 77.56 50.78 51.04 51.49 47.39 44.10 55.93 RGB 0.00 17.11 0.00 45.21 39.84 0.00 7.64 0.75 0.00 16.28 8.16 Lab 48.68 55.74 62.46 79.93 85.17 70.27 70.63 56.37 61.28 82.11 80.40 HSV 18.77 85.70 60.43 44.85 83.02 80.78 70.07 73.61 77.22 44.70 85.82														
6,6,6 Lab 54.81 60.50 68.23 84.79 89.13 73.26 73.45 61.50 65.38 79.80 77.70 HSV 24.41 85.84 67.14 47.60 90.06 78.37 68.09 79.32 76.79 43.60 82.02 Average 26.41 57.99 48.64 62.09 77.56 50.78 51.04 51.49 47.39 44.10 55.93 RGB 0.00 17.11 0.00 45.21 39.84 0.00 7.64 0.75 0.00 16.28 8.16 Lab 48.68 55.74 62.46 79.93 85.17 70.27 70.63 56.37 61.28 82.11 80.40 HSV 18.77 85.70 60.43 44.85 83.02 88.78 70.07 73.61 77.22 44.70 85.82 Average 22.48 52.85 40.96 56.67 69.34 50.35 49.45 43.58 46.16 47.70 58.13 RGB 91.76 13.49 61.87 7.14 26.99 0.72 0.00 30.40 18.81 0.00 0.00 Lab 97.32 70.73 82.84 66.71 61.44 60.15 59.21 75.10 66.01 44.51 42.21 HSV 37.19 47.85 73.60 33.07 59.86 39.88 30.77 60.74 43.54 13.67 39.44														
HSV 24.41 85.84 67.14 47.60 90.06 78.37 68.09 79.32 76.79 43.60 82.02 Average 26.41 57.99 48.64 62.09 77.56 50.78 51.04 51.49 47.39 44.10 55.93 RGB 0.00 17.11 0.00 45.21 39.84 0.00 7.64 0.75 0.00 16.28 8.16 Lab 48.68 55.74 62.46 79.93 85.17 70.27 70.63 56.37 61.28 82.11 80.40 HSV 18.77 85.70 60.43 44.85 83.02 80.78 70.07 73.61 77.22 44.70 85.82 Average 22.48 52.85 40.96 56.67 69.34 50.35 49.45 43.58 46.16 47.70 58.13 RGB 91.76 13.49 61.87 7.14 26.99 0.72 0.00 30.40 18.81 0.00 0.00 Lab 97.32 70.73 82.84 66.71 61.44 60.15 59.21 75.10 66.01 44.51 42.21 HSV 37.19 47.85 73.60 33.07 59.86 39.88 30.77 60.74 43.54 13.67 39.44		666												
6,6,7 RGB 0.00 17.11 0.00 45.21 39.84 0.00 7.64 0.75 0.00 16.28 8.16 Lab 48.68 55.74 62.46 79.93 85.17 70.27 70.63 56.37 61.28 82.11 80.40 HsV 18.77 85.70 60.43 44.85 83.02 80.78 70.07 73.61 77.22 44.70 85.82 Average 22.48 52.85 40.96 56.67 69.34 50.35 49.45 43.58 46.16 47.70 58.13 RGB 91.76 13.49 61.87 7.14 26.99 0.72 0.00 30.40 18.81 0.00 0.00 Lab 97.32 70.73 82.84 66.71 61.44 60.15 59.21 75.10 66.01 44.51 42.21 HsV 37.19 47.85 73.60 33.07 59.86 39.88 30.77 60.74 43.54 13.67 39.44		0,0,6	HSV	24.41	85.84	67.14	47.60	90.06	78.37	68.09	79.32	76.79	43.60	82.02
6,6,7														
HSV 18.77 85.70 60.43 44.85 83.02 80.78 70.07 73.61 77.22 44.70 85.82 Average 22.48 52.85 40.96 56.67 69.34 50.35 49.45 43.58 46.16 47.70 58.13 RGB 91.76 13.49 61.87 7.14 26.99 0.72 0.00 30.40 18.81 0.00 0.00 Lab 97.32 70.73 82.84 66.71 61.44 60.15 59.21 75.10 66.01 44.51 42.21 HSV 37.19 47.85 73.60 33.07 59.86 39.88 30.77 60.74 43.54 13.67 39.44														
Average 22.48 52.85 40.96 56.67 69.34 50.35 49.45 43.58 46.16 47.70 58.13 RGB 91.76 13.49 61.87 7.14 26.99 0.72 0.00 30.40 18.81 0.00 0.00 Lab 97.32 70.73 82.84 66.71 61.44 60.15 59.21 75.10 66.01 44.51 42.21 HSV 37.19 47.85 73.60 33.07 59.86 39.88 30.77 60.74 43.54 13.67 39.44		6,6,7												
RGB 91.76 13.49 61.87 7.14 26.99 0.72 0.00 30.40 18.81 0.00 0.00 Lab 97.32 70.73 82.84 66.71 61.44 60.15 59.21 75.10 66.01 44.51 42.21 HSV 37.19 47.85 73.60 33.07 59.86 39.88 30.77 60.74 43.54 13.67 39.44														
6,7,0 HSV 37.19 47.85 73.60 33.07 59.86 39.88 30.77 60.74 43.54 13.67 39.44			RGB	91.76	13.49	61.87	7.14	26.99	0.72	0.00	30.40	18.81	0.00	0.00
HSV 37.19 47.85 73.60 33.07 59.86 39.88 30.77 60.74 43.54 13.67 39.44		6,7,0												
Average 12.42 44.02 12.11 55.04 49.43 55.58 29.99 55.41 42.76 19.39 27.22														
			Average	75.42	44.02	12.11	33.04	49.43	33.36	23.33	33.41	42.78	1 13.33	21.22

Color Ref	H, S, V	Distance Mode RGB	BLACK (%) 75.27	BLUE (%) 24.02	BROWN (%) 65.02	GRAY (%) 20.46	GREEN (%) 41.73	ORANGE (%) 6.59	PINK (%) 0.00	PURPLE (%) 36.39	RED (%) 16.26	0.00	YELLOW (%) 0.00
		Lab	89.22	72.12	86.98	73.57	69.38	65.49	64.27	76.18	69.34	51.51	49.54
	6,7,1	HSV	36.20	55.67	79.40	36.62	67.71	47.48	37.45	67.57	50.90	18.93	47.21
		Average	66.89	50.60	77.14	43.55	59.61	39.85	33.91	60.05	45.50	23.48	32.25
		RGB	58.80	32.12	60.91	32.45	55.24	9.90	0.00	38.49	10.80	0.00	0.00
	6,7,2	Lab HSV	81.51 34.24	72.44 63.43	87.71 83.32	80.25 39.32	76.77 75.50	70.35 54.97	69.15 43.80	75.97 73.76	71.79 58.06	58.59 23.72	56.70 54.91
		Average	58.18	55.99	77.31	50.67	69.17	45.07	37.65	62.74	46.88	27.44	37.20
		RGB	42.32	36.84	51.35	42.26	66.05	10.38	0.63	36.31	2.91	0.00	0.00
	6,7,3	Lab	74.25	70.80	84.46	85.51	83.38	73.69	72.54	73.63	72.35	65.00	63.22
	-,,-	HSV	31.42	71.08	83.92	41.07	83.14	62.27	49.70	78.75	64.88	27.96	62.51
		Average RGB	49.33 25.86	59.57 37.41	73.24 38.67	56.28 48.34	77.52 70.92	48.78 7.70	40.96 3.95	62.90 30.07	46.71 0.00	30.98 0.00	41.91 0.00
		Lab	67.60	67.75	79.53	88.04	88.71	75.10	74.00	69.93	71.09	70.34	68.83
	6,7,4	HSV	27.83	78.53	80.89	41.78	90.26	69.25	54.96	81.54	71.10	31.52	69.94
		Average	40.43	61.23	66.37	59.39	83.30	50.68	44.30	60.52	47.40	33.96	46.26
		RGB Lab	9.40 61.06	33.77 64.02	24.72 73.93	49.96 87.46	67.21 91.53	2.65 74.88	4.88 74.08	21.07	0.00 68.59	0.00 75.21	0.00 73.87
	6,7,5	HSV	23.58	85.43	75.54	41.41	94.37	75.62	59.33	65.61 81.11	76.28	34.32	77.01
		Average	31.35	61.07	58.06	59.61	84.37	51.05	46.10	55.93	48.29	36.51	50.29
		RGB	0.00	26.51	9.96	46.43	57.05	0.00	3.08	9.98	0.00	0.00	1.94
	6,7,6	Lab	54.62	59.41	68.05	83.78	90.21	72.95	72.27	60.55	64.97	78.75	78.01
		HSV Average	18.77 24.46	90.52 58.81	69.06 49.02	39.98 56.73	90.26 79.17	80.78 51.24	62.52 45.95	77.67 49.40	79.59 48.19	36.24 38.33	83.27 54.40
		RGB	0.00	16.58	0.00	38.62	43.84	0.00	0.00	0.00	0.00	5.36	1.50
	6,7,7	Lab	48.49	54.74	62.28	79.12	85.88	69.95	69.53	55.51	60.89	80.89	80.70
	6,7,7	HSV	13.50	90.31	62.01	37.56	83.14	83.55	64.19	72.30	80.08	37.21	87.45
		Average	20.66	53.88	41.43	51.77	70.95	51.17	44.57	42.60	46.99	41.15	56.55
		RGB Lab	89.28 97.28	16.02 71.84	65.47 83.35	10.83 67.16	27.42 61.21	4.69 60.75	0.00 60.11	35.10 76.38	23.19 66.86	0.00 44.98	0.00 42.37
	7,0,0	HSV	76.95	21.85	34.37	65.64	34.23	15.95	32.05	39.92	17.40	36.44	18.12
		Average	87.84	36.57	61.06	47.88	40.95	27.13	30.72	50.47	35.82	27.14	20.16
		RGB	67.86	30.58	73.59	32.19	40.89	18.57	1.24	50.57	28.15	0.00	0.00
	7,0,1	Lab	88.67	76.40	88.99	75.77	68.54	67.81	67.97	81.04	72.45	53.58	50.29
		HSV Average	74.36 76.96	26.84 44.60	36.48 66.35	73.19 60.38	38.70 49.38	21.21 35.86	38.87 36.03	44.14 58.58	22.25 40.95	43.79 32.46	23.68 24.66
		RGB	46.46	44.60	67.14	53.52	49.38	29.28	20.02	58.58	40.95 27.52	0.00	0.00
	7,0,2	Lab	80.52	78.72	89.48	83.91	74.39	73.68	75.20	82.92	76.21	61.73	57.38
	7,0,2	HSV	69.83	31.26	37.64	80.43	42.42	25.99	45.38	47.49	26.56	50.96	28.79
		Average	65.60	50.03	64.76	72.62	55.15	42.99	46.87	63.46	43.43	37.56	28.72
		RGB Lab	25.08 73.05	42.09 77.94	51.67 85.31	74.80 91.37	48.09 78.66	35.27 77.79	37.32 80.97	58.93 81.10	21.45 77.46	1.44 69.20	8.86 63.63
	7,0,3	HSV	64.09	35.01	37.80	86.81	45.23	30.19	51.47	49.80	30.23	57.84	33.35
		Average	54.07	51.68	58.26	84.33	57.33	47.75	56.59	63.28	43.05	42.83	35.28
		RGB	3.71	35.85	33.18	95.42	39.45	35.21	51.54	48.10	11.07	22.69	20.46
	7,0,4	Lab	65.80	75.08	79.45	98.46	80.68	79.97	85.24	77.17	76.54	76.44	69.15
		HSV	57.63 42.38	37.97 49.63	36.95 49.86	90.46 94.78	46.99 55.71	33.70 49.63	56.95 64.58	50.92 58.73	33.15 40.25	64.28 54.47	37.22 42.28
		Average RGB	0.00	23.38	13.61	82.24	25.51	29.15	59.35	32.02	0.00	43.90	28.13
	7,0,5	Lab	59.01	70.89	73.29	94.51	80.36	79.61	86.44	72.14	73.66	83.22	73.58
	7,0,3	HSV	50.74	40.00	35.12	88.41	47.59	36.41	61.55	50.75	35.22	69.99	40.28
		Average	36.58	44.76	40.67	88.38	51.15	48.39	69.11	51.64	36.29	65.70	47.33
		RGB Lab	0.00 52.22	7.17 66.05	0.00 66.85	61.06 87.73	8.68 77.58	18.42 77.10	57.12 84.67	13.59 66.64	0.00 69.54	65.02 89.99	30.57 76.60
	7,0,6	HSV	43.57	41.03	32.41	82.56	46.99	38.20	64.93	49.33	36.35	74.47	42.40
		Average	31.93	38.08	33.09	77.12	44.42	44.57	68.91	43.19	35.30	76.49	49.86
		RGB	0.00	0.00	0.00	39.83	0.00	4.60	46.10	0.00	0.00	85.67	27.27
	7,0,7	Lab	45.87	60.83	60.75	81.40	73.86	73.39	80.68	61.00	64.91	96.18	78.09
		HSV Average	36.21 27.36	41.00 33.94	28.91 29.89	75.50 65.57	45.23 39.70	39.01 39.00	66.72 64.50	46.75 35.91	36.51 33.80	76.99 86.28	43.48 49.61
		RGB	89.56	16.00	64.92	10.48	27.40	4.12	0.00	34.69	22.54	0.00	0.00
	7,1,0	Lab	97.50	71.83	83.04	66.93	60.93	60.46	59.91	76.33	66.60	44.76	42.08
	7,1,0	HSV	74.36	27.62	41.46	64.23	40.30	21.21	34.84	45.94	22.91	35.46	23.17
		Average	87.14	38.49	63.14	47.22	42.88	28.60	31.58	52.32	37.35	26.74	21.75
		RGB Lab	68.71 89.09	30.81 76.17	72.08 88.42	31.09 75.31	41.13 68.28	16.73 67.18	0.00 67.39	49.34 80.66	26.28 71.79	0.00 53.12	0.00 49.82
	7,1,1	HSV	72.00	33.04	43.83	71.41	45.27	26.85	41.98	50.67	28.14	42.68	29.13
		Average	76.60	46.67	68.11	59.27	51.56	36.92	36.46	60.22	42.07	31.94	26.31
		RGB	47.90	41.21	65.95	51.56	49.72	26.14	17.09	58.26	24.79	0.00	0.00
	7,1,2	Lab HSV	80.93 67.80	78.40 37.90	89.01 45.15	83.42 78.05	74.44 49.47	72.85 32.03	74.36 48.89	82.34 54.51	75.26 32.82	61.26 49.69	56.95 34.66
		Average	65.54	52.50	66.71	71.01	57.88	43.67	46.78	65.03	44.29	36.98	30.54
		RGB	27.14	44.70	51.38	71.65	50.50	31.05	32.85	57.74	18.39	0.00	5.72
	7,1,3	Lab	73.67	77.89	85.11	90.55	78.75	76.57	79.75	80.77	76.27	68.47	62.93
		HSV	62.37 54.39	42.08 54.89	45.33 60.61	83.49 81.90	52.70 60.65	36.63 48.08	55.46 56.02	57.19 65.23	36.85 43.84	56.37 41.61	39.66 36.10
		Average RGB	6.41	40.10	33.76	81.90 89.35	43.18	48.08 30.54	45.45	48.10	43.84 8.14	18.63	36.10 16.47
	714	Lab	66.65	75.23	79.67	97.01	81.15	78.68	83.70	77.11	75.47	75.45	68.33
	7,1,4	HSV	56.17	45.41	44.36	86.23	54.75	40.52	61.50	58.50	40.09	62.56	43.97
		Average	43.08	53.58	52.60	90.86	59.69	49.91	63.55	61.23	41.23	52.21	42.92
		RGB	0.00	29.01	14.99	83.55 94.85	30.31	24.77	52.38	33.23	0.00	38.56	23.62
	7,1,5	Lab HSV	59.84 49.47	71.26 47.74	73.54 42.31	94.85 84.73	81.11 55.45	78.30 43.55	84.97 66.72	72.25 58.31	72.64 42.41	82.14 67.95	72.69 47.42
		Average	36.44	49.34	43.61	87.71	55.62	48.87	68.02	54.59	38.35	62.88	47.91
		RGB	0.00	13.94	0.00	64.37	14.39	14.81	51.21	15.88	0.00	57.92	26.16
	7,1,6	Lab	53.26	66.42	67.42	88.55	79.02	76.17	83.36	66.82	68.81	88.49	76.00
		HSV	42.46 31.91	48.93	39.27 35.56	79.93	54.75	45.58 45.52	70.70	56.64 46.45	43.69 37.50	72.10	49.84 50.67
		Average RGB	31.91 0.00	43.10 0.00	35.56 0.00	77.62 44.28	49.39 0.00	45.52 1.98	68.42 42.49	46.45 0.00	37.50 0.00	72.84 75.47	50.67 23.64
	747	Lab	46.91	61.44	61.35	82.28	75.23	72.70	79.98	61.38	64.36	94.17	77.53
	7,1,7	HSV	35.23	48.89	35.40	73.56	52.70	46.49	72.87	53.65	43.87	74.39	51.08
		Average	27.38	36.77	32.25	66.71	42.64	40.39	65.11	38.34	36.08	81.35	50.75
		RGB	89.80	15.97	64.37	10.13	27.37	3.54	0.00	34.28	21.90	0.00	0.00
	7,2,0	Lab HSV	97.46 69.83	71.67 32.95	82.93 48.30	66.94 61.21	61.10 45.89	60.34 25.99	59.77 36.74	76.08 51.40	66.37 27.97	44.75 33.53	42.11 27.69
		Average	85.70	40.20	65.20	46.09	45.89	25.99	32.17	53.92	38.75	26.09	23.27
		RGB	69.44	30.99	70.52	29.96	41.29	14.90	0.00	48.07	24.42	0.00	0.00
	7 2 1	Lab	89.23	75.92	87.85	75.05	68.28	66.65	66.92	80.19	71.11	52.88	49.56

Color Ref	H, S, V	Distance Mode HSV	BLACK (%) 67.80	BLUE (%) 38.83	BROWN (%) 51.01	GRAY (%) 67.71	GREEN (%) 51.42	ORANGE (%) 32.03	PINK (%) 44.13	PURPLE (%) 56.73	RED (%) 33.59	WHITE (%) 40.52	YELLOW (%) 34.06
		Average	75.49	48.58	69.79	57.57	53.66	37.86	37.02	61.66	43.04	31.13	27.88
		RGB	49.14	42.13	64.49	49.45	50.58	23.00	14.14	56.37	22.04	0.00	0.00
	7,2,2	Lab	81.31	78.16	88.59	82.91	74.34	72.11	73.63	81.90	74.47	60.77	56.50
	.,_,_	HSV	64.09	44.20	52.52	73.41	56.21	37.63	51.35	61.15	38.69	47.24	40.05
		Average RGB	64.85 28.89	54.83 46.95	68.53 50.62	68.59 68.10	60.38 52.51	44.25 26.79	46.37 28.37	66.48 56.05	45.07 15.20	36.00 0.00	32.18 2.46
		Lab	74.03	77.66	84.89	89.91	78.90	75.71	78.81	80.34	75.39	67.95	62.49
	7,2,3	HSV	59.15	48.89	52.73	77.69	59.98	42.68	58.30	64.33	43.14	53.57	45.54
		Average	54.03	57.83	62.75	78.57	63.80	48.39	55.16	66.91	44.57	40.50	36.83
		RGB Lab	8.71 66.98	43.88 75.06	33.71 79.39	83.10 95.69	46.35 81.57	25.67 77.42	39.37 82.33	47.32 76.65	4.90 74.25	14.33 74.84	12.25 67.78
	7,2,4	HSV	53.38	52.70	51.61	79.63	62.42	47.01	64.82	65.92	46.76	59.32	50.36
		Average	43.02	57.21	54.90	86.14	63.45	50.03	62.17	63.30	41.97	49.50	43.46
		RGB	0.00	34.06	15.61	81.24	34.40	19.89	45.23	33.47	0.00	32.77	18.65
	7,2,5	Lab HSV	60.37 47.03	71.23 55.41	73.54 49.26	94.41 78.59	81.82 63.27	77.05 50.44	83.39 70.63	71.99 65.69	71.55 49.38	81.16 64.23	72.01 54.29
		Average	35.80	53.56	46.14	84.75	59.83	49.12	66.42	57.05	49.31	59.39	48.32
		RGB	0.00	19.98	0.00	65.21	19.23	10.38	44.37	17.07	0.00	50.10	20.89
	7,2,6	Lab	54.01	66.79	67.67	88.84	79.79	75.10	82.22	66.96	67.98	87.08	75.08
		HSV	40.30	56.80	45.84	74.94	62.42	52.76	75.22	63.67	50.84	67.89	57.10
		Average RGB	31.44 0.00	47.86 3.52	37.84 0.00	76.33 46.59	53.81 2.36	46.08 0.00	67.27 37.12	49.23 0.00	39.61 0.00	68.36 64.75	51.02 18.66
	7.7.7	Lab	47.64	61.61	61.66	82.68	76.41	71.84	78.88	61.37	63.61	92.15	76.99
	7,2,7	HSV	33.31	56.75	41.53	69.60	59.98	53.82	77.83	60.15	51.05	69.86	58.55
		Average	26.98	40.63	34.39	66.29	46.25	41.88	64.61	40.51	38.22	75.59	51.40
		RGB	90.00 97.46	15.94	63.82 82.93	9.78 66.94	27.34	2.97 60.34	0.00 59.77	33.86	21.25	0.00 44.75	0.00 42.11
	7,3,0	Lab HSV	64.09	71.67 37.71	82.93 54.78	56.92	61.10 50.82	30.19	37.69	76.08 56.10	66.37 32.47	30.74	42.11 31.59
		Average	83.85	41.77	67.18	44.54	46.42	31.16	32.48	55.34	40.03	25.16	24.57
		RGB	70.05	31.11	68.92	28.79	41.39	13.07	0.00	46.76	22.56	0.00	0.00
	7,3,1	Lab	89.41	75.87	87.47	74.81	68.09	66.27	66.63	80.04	70.72	52.64	49.28
		HSV Average	62.37 73.94	44.09 50.36	57.90 71.43	62.66 55.42	56.98 55.49	36.63 38.66	45.20 37.28	62.08 62.96	38.50 43.93	37.41 30.02	38.36 29.21
		RGB	50.16	42.85	62.79	47.23	51.20	19.86	11.19	54.33	19.26	0.00	0.00
	7,3,2	Lab	81.40	77.80	87.96	82.56	74.47	71.41	72.95	81.26	73.59	60.48	56.24
	/-/-	HSV	59.15 63.57	50.02 56.89	59.67 70.14	67.47	62.47 62.72	42.68 44.65	52.58 45.57	67.22	44.05 45.63	43.76	44.82
		Average RGB	30.34	48.82	49.42	65.75 64.29	54.07	22.51	23.90	67.60 53.94	45.63 11.89	34.75 0.00	33.69 0.00
	7.2.2	Lab	74.33	77.25	84.49	89.14	79.11	74.71	77.69	79.68	74.31	67.38	62.04
	7,3,3	HSV	54.75	55.32	59.91	70.86	66.95	48.22	59.74	71.05	48.95	49.65	50.84
		Average	53.14	60.46	64.61	74.77	66.71	48.48	53.78	68.23	45.05	39.01	37.62
		RGB Lab	10.58 67.50	47.12 74.88	33.07 79.38	76.89 94.39	48.89 81.89	20.66 76.41	33.33 81.03	45.84 76.32	1.42 73.34	9.85 73.98	7.84 67.16
	7,3,4	HSV	49.47	59.73	58.61	72.32	69.95	53.05	66.54	73.03	53.02	54.90	56.23
		Average	42.52	60.58	57.02	81.20	66.91	50.04	60.30	65.06	42.59	46.25	43.74
		RGB	0.00	38.42	15.50	76.46	37.69	14.65	38.03	32.81	0.00	26.69	13.33
	7,3,5	Lab	60.87	71.08 62.95	73.60 55.88	93.75 71.55	82.47 71.02	76.05	82.00 72.72	71.69	70.68 56.02	80.16	71.42
		HSV Average	43.57 34.81	57.48	48.33	80.59	63.73	56.96 49.22	64.25	72.74 59.08	42.23	59.27 55.37	60.75 48.50
		RGB	0.00	25.19	0.00	63.57	23.11	5.29	36.98	17.19	0.00	41.93	14.99
	7,3,6	Lab	54.50	66.66	67.76	88.70	80.65	74.17	80.88	66.68	67.17	85.81	74.55
	,,,,	HSV	37.21	64.64	51.98	68.70	69.95	59.66	77.74	70.25	57.71	62.45	64.06
		Average RGB	30.57 0.00	52.16 9.42	39.91 0.00	73.66 46.64	57.90 6.76	46.37 0.00	65.20 30.51	51.38 0.23	41.63 0.00	63.40 54.06	51.20 12.66
	7,3,7	Lab	48.12	61.68	61.75	82.75	77.13	70.98	77.89	61.27	62.88	90.49	76.33
	7,3,7	HSV	30.52	64.58	47.17	64.29	66.95	60.90	80.69	66.03	57.94	64.12	65.80
		Average	26.21	45.23	36.31	64.56	50.28	43.96	63.03	42.51	40.27	69.56	51.60
		RGB Lab	90.17 97.34	15.90 71.49	63.26 82.81	9.42 66.93	27.30 61.26	2.39 60.21	0.00 59.62	33.44 75.82	20.61 66.13	0.00 44.75	0.00 42.15
	7,4,0	HSV	57.63	41.77	60.71	51.69	54.88	33.70	37.62	59.76	36.29	27.18	34.75
		Average	81.71	43.06	68.93	42.68	47.81	32.10	32.41	56.34	41.01	23.98	25.63
		RGB	70.54	31.17	67.29	27.60	41.42	11.24	0.00	45.42	20.71	0.00	0.00
	7,4,1	HSV	56.17	75.54 48.66	87.15 64.35	74.55 56.74	68.08 61.69	65.93 40.52	66.23 45.13	79.61 66.38	70.30 42.72	52.39 33.50	49.10 41.89
		Average	72.08	51.79	72.93	52.96	57.06	39.23	37.12	63.80	44.58	28.63	30.33
		RGB	50.98	43.37	60.89	44.92	51.60	16.73	8.23	52.16	16.46	0.00	0.00
	7,4,2	Lab HSV	81.76 53.38	77.64 55.19	87.58 66.46	82.03 60.81	74.22 67.98	70.76 47.01	72.33 52.50	80.96 72.31	72.96 48.72	59.99 39.43	55.75 48.79
		Average	62.04	58.73	71.64	62.58	64.60	44.83	44.35	68.48	46.05	33.14	34.85
		RGB	31.47	50.29	47.82	60.32	55.17	18.23	19.44	51.49	8.49	0.00	0.00
	7,4,3	Lab	74.43	77.03	84.13	88.67	79.16	74.06	77.05	79.29	73.61	67.06	61.73
		HSV Average	49.47 51.79	61.18 62.83	66.75 66.23	63.57 70.86	73.37 69.23	53.05 48.45	59.64 52.05	76.98 69.25	54.13 45.41	44.86 37.30	55.34 39.02
		RGB	12.03	49.74	31.88	70.76	50.73	15.56	27.34	43.73	0.00	5.24	3.30
	7,4,4	Lab	67.57	74.74	78.94	93.44	81.93	75.44	80.14	75.94	72.40	73.56	66.68
	.,-,-	HSV	44.70	66.36	65.19	64.73	77.20	58.45	66.43	79.52	58.70	49.61	61.36
		Average RGB	41.43 0.00	63.61 42.01	58.67 14.70	76.31 70.51	69.95 40.11	49.82 9.13	57.97 30.82	66.40 31.31	43.70 0.00	42.80 20.42	43.78 7.75
	7.45	Lab	61.12	70.98	73.37	92.86	82.67	74.98	80.84	71.39	69.74	79.35	70.73
	7,4,5	HSV	39.25	70.28	61.99	64.12	78.63	62.92	72.58	79.14	62.14	53.48	66.56
		Average	33.46	61.09	50.02	75.83	67.13	49.01	61.41	60.61	43.96	51.09	48.35
		RGB Lab	0.00 54.72	29.46 66.51	0.00 67.56	59.86 88.22	25.95 81.02	0.00 73.10	29.29 79.66	16.30 66.35	0.00 66.22	33.63 84.72	8.64 73.84
	7,4,6	HSV	33.31	72.42	57.52	61.83	77.20	66.09	77.57	75.97	64.12	56.24	70.52
		Average	29.34	56.13	41.70	69.97	61.39	46.40	62.17	52.87	43.45	58.20	51.00
		RGB	0.00	14.37	0.00	44.47	10.02	0.00	22.85	0.00	0.00	43.19	5.66
	7,4,7	Lab HSV	48.54 26.98	61.67	61.76 52.15	82.63 58.13	77.73 73.37	70.05 67.58	76.81 80.48	61.10 70.92	62.08 64.40	88.79 57.66	75.56 72.67
		Average	25.17	72.35 49.46	37.97	61.75	53.71	45.88	60.05	70.92 44.00	42.16	63.21	51.30
		RGB	90.29	15.85	62.70	9.06	27.26	1.81	0.00	33.02	19.96	0.00	0.00
	7,5,0	Lab	97.65	71.66	82.63	66.71	60.82	60.05	59.57	76.02	66.10	44.53	41.82
	.,-,-	HSV	50.74	44.98	65.82	45.80	57.82	36.41	36.55	62.08	39.31	22.96	37.06
		Average RGB	79.56 70.91	44.17 31.17	70.38 65.63	40.52 26.38	48.63 41.38	32.76 9.41	32.04 0.00	57.04 44.05	41.79 18.86	22.50 0.00	26.30 0.00
	754	Lab	89.42	75.47	86.76	74.50	68.15	65.64	66.04	79.38	69.89	52.37	49.02
	7,5,1	HSV	49.47	52.32	70.06	50.24	65.20	43.55	43.92	69.20	46.09	28.91	44.50
		Average	69.93	52.99	74.15	50.37	58.24	39.53	36.65	64.21	44.95	27.09	31.17

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Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
		RGB Lab	51.57 81.89	43.71 77.33	58.82 87.34	42.52 81.73	51.77 74.25	13.61 70.40	5.27 71.88	49.88 80.56	13.64 72.54	0.00 59.72	0.00 55.56
	7,5,2	HSV	47.03	59.44	72.61	53.74	72.28	50.44	51.11	75.81	52.52	34.42	51.77
		Average	60.16	60.16	72.92	59.33	66.10	44.81	42.75	68.75	46.24	31.38	35.78
		RGB	32.28	51.32	45.89	56.26	55.78	13.95	15.01	48.75	5.02	0.00	0.00
	7,5,3	Lab HSV	74.51 43.57	76.79 66.18	83.74 72.98	88.17 56.06	79.18 78.72	73.41 56.96	76.40 58.01	78.87 81.34	72.91 58.42	66.72 39.40	61.41 58.79
		Average	50.12	64.77	67.53	66.83	71.23	48.10	49.81	69.65	45.45	35.37	40.07
		RGB	13.04	51.69	30.19	64.71	51.84	10.40	21.41	41.10	0.00	0.53	0.00
	7,5,4	Lab	67.89	74.50	78.96	92.67	82.13	74.90	79.33	75.64	71.91	72.97	66.33
	, , ,	HSV	39.25	72.28	71.07	57.01	83.78	62.92	64.48	84.58	63.52	43.69	65.40
		Average RGB	40.06 0.00	66.16 44.72	60.07 13.25	71.46 64.05	72.58 41.59	49.41 3.43	55.07 23.67	67.11 29.06	45.15 0.00	39.06 14.05	43.91 2.00
	7,5,5	Lab	61.21	70.84	73.19	92.27	82.78	74.36	80.14	71.13	69.17	78.89	70.37
	7,5,5	HSV	34.26	77.20	67.29	56.51	85.86	68.01	70.23	84.08	67.47	47.12	71.33
		Average	31.82	64.25	51.24	70.94	70.07	48.60	58.01	61.42	45.55	46.69	47.90
		RGB Lab	0.00 54.99	32.80 66.44	0.00 67.55	54.50 87.94	27.72 81.33	0.00 72.45	21.18 78.86	14.40 66.19	0.00 65.68	25.01 83.85	1.73 73.32
	7,5,6	HSV	28.73	80.06	62.20	54.60	83.78	71.75	74.75	80.11	69.80	49.53	76.06
		Average	27.91	59.77	43.25	65.68	64.28	48.07	58.26	53.56	45.16	52.80	50.37
		RGB	0.00	17.94	0.00	40.58	11.93	0.00	14.92	0.00	0.00	32.86	0.00
	7,5,7	Lab HSV	48.81 22.77	61.66 79.97	61.80 56.24	82.55 51.45	78.08 78.72	69.53 73.55	76.18 77.30	61.00 74.23	61.64 70.13	87.78 50.76	75.09 78.77
		Average	23.86	53.19	39.35	58.19	56.24	47.69	56.13	45.08	43.92	57.13	51.29
		RGB	90.37	15.81	62.14	8.70	27.21	1.24	0.00	32.59	19.32	0.00	0.00
	7,6,0	Lab	97.52	71.49	82.51	66.70	60.98	59.92	59.42	75.76	65.87	44.52	41.85
	,-,-	HSV	43.57	47.18	69.67	39.43	59.39	38.20	34.53	62.81	41.39	18.19	38.43
		Average RGB	77.15 71.14	44.82 31.12	71.44 63.95	38.28 25.13	49.19 41.28	33.12 7.59	31.32 0.00	57.05 42.66	42.19 17.01	20.90 0.00	26.76 0.00
	764	Lab	89.36	75.35	86.65	74.48	68.23	65.55	65.94	79.20	69.75	52.35	49.03
	7,6,1	HSV	42.46	54.88	74.56	43.38	67.13	45.58	41.64	70.11	48.45	23.76	46.05
		Average	67.65	53.78	75.05	47.66	58.88	39.57	35.86	63.99	45.07	25.37	31.69
		RGB Lab	51.94 81.77	43.84 77.21	56.63 86.88	40.07 81.61	51.72 74.30	10.51 70.04	2.32 71.63	47.51 80.28	10.82 72.08	0.00 59.67	0.00 55.46
	7,6,2	HSV	40.30	62.47	77.61	46.42	74.74	52.76	48.51	76.98	55.22	28.88	53.56
		Average	58.01	61.18	73.71	56.03	66.92	44.44	40.82	68.26	46.04	29.52	36.34
		RGB	32.77	51.92	43.66	52.13	55.90	9.67	10.60	45.79	1.49	0.00	0.00
	7,6,3	Lab HSV	74.63 37.21	76.53 69.89	83.60 78.06	87.78 48.41	79.25 82.04	73.04 59.66	75.92 55.02	78.54 82.88	72.52 61.52	66.43 33.44	61.22 60.90
		Average	48.20	66.11	68.44	62.77	72.40	47.46	47.18	69.07	45.18	33.44	40.71
		RGB	13.63	52.92	28.06	58.76	52.19	5.21	15.55	38.04	0.00	0.00	0.00
	7,6,4	Lab	67.96	74.29	78.68	91.94	82.18	74.23	78.63	75.30	71.26	72.58	65.97
	1,2,1	HSV	33.31	76.94	75.75	49.22	88.47	66.09	60.99	86.49	67.11	37.32	67.95
		Average RGB	38.30 0.00	68.05 46.55	60.83 11.11	66.64 57.06	74.28 42.11	48.51 0.00	51.72 16.29	66.61 26.03	46.12 0.00	36.63 7.36	44.64 0.00
	7.55	Lab	61.30	70.56	73.09	91.73	83.07	73.89	79.44	70.80	68.72	78.44	70.16
	7,6,5	HSV	28.73	83.18	71.34	48.80	91.65	71.75	66.13	85.92	71.55	40.39	74.46
		Average	30.01	66.76	51.85	65.86	72.27	48.54	53.96	60.92	46.76	42.06	48.21
		RGB Lab	0.00 55.07	34.88 66.32	0.00 67.40	48.42 87.58	28.33 81.43	0.00 71.89	13.31 78.22	11.75 65.97	0.00 65.18	16.74 83.26	0.00 72.92
	7,6,6	HSV	23.59	87.33	65.64	47.16	88.47	76.06	70.03	81.55	74.25	42.51	79.92
		Average	26.22	62.84	44.35	61.05	66.08	49.31	53.85	53.09	46.47	47.50	50.95
		RGB	0.00	20.25	0.00	35.37	12.61	0.00	6.70	0.00	0.00	22.76	0.00
	7,6,7	Lab	48.90	61.57 87.18	61.69	82.34	78.21	69.04	75.65	60.84	61.21	87.07	74.69
		HSV Average	18.01 22.30	56.33	59.18 40.29	44.43 54.05	82.04 57.62	78.22 49.09	72.15 51.50	75.33 45.39	74.63 45.28	43.58 51.14	83.24 52.64
		RGB	90.41	15.75	61.58	8.33	27.16	0.66	0.00	32.16	18.68	0.00	0.00
	7,7,0	Lab	97.52	71.49	82.51	66.70	60.98	59.92	59.42	75.76	65.87	44.52	41.85
	, , ,	HSV	36.21	48.24	71.76	32.73	59.44	39.01	31.64	61.87	42.44	12.95	38.78
		Average RGB	74.71 71.25	45.16 31.01	71.95 62.26	35.92 23.86	49.19 41.12	33.20 5.78	30.35 0.00	56.60 41.23	42.33 15.17	19.16 0.00	26.88 0.00
	774	Lab	89.51	75.13	86.43	74.24	68.12	65.29	65.64	78.93	69.47	52.11	48.83
	7,7,1	HSV	35.23	56.12	77.09	36.26	67.19	46.49	38.42	68.95	49.65	18.17	46.45
		Average	65.33	54.09	75.26	44.79	58.81	39.18	34.69	63.04	44.77	23.43	31.76
		RGB Lab	52.09 81.94	43.79 77.03	54.33 86.76	37.56 81.35	51.45 74.22	7.42 69.78	0.00 71.31	45.08 80.06	7.99 71.83	0.00 59.42	0.00 55.26
	7,7,2	HSV	33.31	63.98	80.53	38.95	74.22	53.82	44.88	75.49	56.60	22.91	54.03
		Average	55.78	61.60	73.87	52.62	66.83	43.67	38.73	66.88	45.47	27.44	36.43
		RGB	32.95 74.78	52.07	41.19	47.98 87.44	55.55	5.42 72.65	6.23	42.65 78.50	0.00 72.18	0.00	0.00 60.90
	7,7,3	Lab HSV	30.52	76.57 71.78	83.43 81.05	40.69	79.05 82.15	72.65 60.90	75.60 50.90	78.50 80.92	72.18 63.15	66.15 27.10	61.46
		Average	46.08	66.81	68.56	58.70	72.25	46.32	44.24	67.36	45.11	31.08	40.79
		RGB	13.82	53.41	25.40	52.55	51.76	0.00	9.47	34.43	0.00	0.00	0.00
	7,7,4	Lab	67.91	74.14	78.56	91.76	82.27	74.08	78.42	75.12	71.07	72.52	65.96
		HSV Average	26.98 36.24	79.48 69.01	78.42 60.79	41.39 61.90	88.64 74.22	67.58 47.22	56.31 48.07	84.08 64.54	69.03 46.70	30.62 34.38	68.63 44.86
		RGB	0.00	47.29	8.57	50.33	41.68	0.00	9.30	22.61	0.00	0.94	0.00
	7,7,5	Lab	61.46	70.67	73.07	91.51	82.96	73.57	79.19	70.85	68.49	78.12	69.82
		HSV	22.77 28.08	86.87	73.57	41.02 60.95	91.89	73.55 49.04	60.84	83.59	73.79	33.38	75.33
		Average RGB	0.00	68.28 35.82	51.74 0.00	41.81	72.18 27.89	0.00	49.78 5.45	59.01 8.42	47.43 0.00	37.48 8.57	48.38 0.00
	776	Lab	55.02	66.19	67.31	87.42	81.49	71.73	78.00	65.83	65.01	83.14	72.89
	7,7,6	HSV	18.01	92.93	67.47	39.60	88.64	78.22	64.15	79.72	76.74	35.27	81.03
		Average	24.34	64.98	44.93	56.28	66.01	49.98	49.20	51.32	47.25	42.33	51.30
		RGB Lab	0.00 49.03	21.30 61.50	0.00 61.73	29.25 82.27	12.12 78.43	0.00 68.83	0.00 75.32	0.00 60.75	0.00 61.03	12.89 86.59	0.00 74.54
	7,7,7	HSV	12.78	92.66	60.71	37.19	78.43 82.15	80.62	65.90	73.92	77.17	36.23	74.54 84.59
		Average	20.60	58.49	40.81	49.57	57.57	49.81	47.07	44.89	46.07	45.23	53.04
		RGB	89.28	16.02	65.47	10.83	27.42	4.69	0.00	35.10	23.19	0.00	0.00
	8,0,0	Lab	97.28	71.84	83.35	67.16	61.21	60.75	60.11	76.38	66.86	44.98	42.37
		HSV Average	79.83 88.80	22.00 36.62	33.47 60.76	64.72 47.57	33.83 40.82	15.22 26.89	32.80 30.97	40.50 50.66	18.16 36.07	37.43 27.47	17.52 19.96
		RGB	68.17	30.52	73.53	31.89	40.45	18.40	1.07	50.64	28.28	0.00	0.00
	8,0,1	Lab	88.90	76.68	88.87	75.53	68.07	67.67	67.96	81.39	72.48	53.36	49.94
	-,0,1	HSV	76.91	26.99	35.55	72.03	38.28	20.44	39.71	44.77	23.06	44.91	23.04
		Average RGB	77.99 47.07	44.73 40.19	65.98 67.44	59.82 52.91	48.93 47.88	35.50 29.08	36.25 19.76	58.93 60.47	41.27 27.97	32.76 0.00	24.33 0.00
	802	Lab	80.98	79.10	89.59	83.44	73.73	73.42	75.06	83.41	76.24	61.28	56.83
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Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
		HSV Average	71.96 66.67	31.42 50.24	36.70 64.58	78.86 71.74	41.97 54.53	25.17 42.56	46.33 47.05	48.16 64.02	27.41 43.87	52.25 37.84	28.11 28.31
		RGB	25.99	42.56	52.38	73.88	47.32	35.23	37.13	60.15	22.32	0.54	7.89
	8,0,3	Lab	73.50	78.47	85.63	90.90	78.03	77.64	80.97	81.74	77.65	68.75	63.08
	0,0,5	HSV	65.87	35.18	36.85	84.59	44.76	29.32	52.53	50.50	31.12	59.35	32.62
		Average RGB	55.12 4.93	52.07 36.82	58.29 34.26	83.12 94.30	56.70 38.99	47.40 35.56	56.88 51.76	64.13 49.90	43.70 12.39	42.88 21.50	34.53 19.31
		Lab	66.48	75.96	79.92	97.66	79.96	79.74	85.40	78.10	76.77	75.76	68.29
	8,0,4	HSV	59.13	38.14	36.01	87.56	46.50	32.78	58.15	51.63	34.08	66.07	36.45
		Average	43.51	50.31	50.06	93.17	55.15	49.36	65.10	59.88	41.08	54.45	41.35
		RGB	0.00 59.69	24.54	14.74 73.83	83.43 95.11	25.49	29.84 79.62	60.27 86.97	33.78	0.00 74.05	42.73 82.55	27.21 72.76
	8,0,5	Lab HSV	52.02	71.81 40.19	34.22	85.93	79.89 47.10	35.45	62.90	73.06 51.47	36.18	72.14	39.47
		Average	37.24	45.51	40.93	88.16	50.83	48.30	70.04	52.77	36.74	65.81	46.48
		RGB	0.00	8.72	0.00	62.58	9.01	19.57	58.99	15.70	0.00	63.59	29.85
	8,0,6	Lab	53.13	67.02	67.70	88.62	77.62	77.57	85.51	67.67	70.28	89.10	75.98
		HSV Average	44.68 32.60	41.22 38.99	31.54 33.08	80.82 77.34	46.50 44.38	37.22 44.79	66.42 70.31	50.02 44.46	37.34 35.87	77.03 76.58	41.56 49.13
		RGB	0.00	0.00	0.00	41.65	0.00	6.18	48.63	0.00	0.00	84.20	26.97
	8,0,7	Lab	46.78	62.00	61.59	82.29	73.87	73.98	81.84	62.17	65.74	95.36	77.43
	2,2,1	HSV	37.19	41.19	28.08	74.23	44.76	38.01	68.29	47.41	37.50	79.87	42.62
		Average RGB	27.99 89.87	34.39 15.87	29.89 64.69	66.06 10.18	39.55 26.95	39.39 3.90	66.25 0.00	36.53 34.65	34.41 22.59	86.48 0.00	49.01 0.00
	0.4.0	Lab	97.46	71.67	82.93	66.94	61.10	60.34	59.77	76.08	66.37	44.75	42.11
	8,1,0	HSV	76.91	27.78	40.46	63.35	39.87	20.44	35.62	46.59	23.73	36.43	22.53
		Average	88.08	38.44	62.69	46.82	42.64	28.23	31.80	52.44	37.56	27.06	21.55
		RGB	69.94 89.78	30.56	71.82 87.90	29.88 74.62	39.34 67.35	16.06 66.57	0.00 66.98	49.60 80.91	26.80 71.42	0.00 52.45	0.00 48.98
	8,1,1	Lab HSV	89.78 74.32	76.42 33.20	87.90 42.79	74.62	44.80	26.02	42.87	80.91 51.38	71.42 29.01	43.78	48.98 28.44
		Average	78.01	46.73	67.50	58.27	50.50	36.21	36.62	60.63	42.41	32.07	25.81
		RGB	49.75	41.42	66.76	49.76	47.36	25.51	16.32	59.67	26.06	0.00	0.00
	8,1,2	Lab	82.07	79.29	89.03	82.27	72.85	72.06	73.90	83.41	75.08	60.13	55.56
		HSV Average	69.80 67.21	38.08 52.93	44.08 66.62	76.64 69.56	48.96 56.39	31.13 42.90	49.90 46.71	55.28 66.12	33.75 44.97	50.94 37.02	33.92 29.83
		RGB	29.61	45.93	53.20	69.37	48.30	30.88	32.33	60.88	20.60	0.00	3.19
	8,1,3	Lab	75.05	79.33	85.92	89.20	76.99	76.00	79.56	82.48	76.58	67.14	61.33
	'	HSV	64.06 56.24	42.27 55.84	44.26 61.13	81.66 80.08	52.15 59.15	35.66 47.52	56.62 56.17	58.01 67.12	37.84 45.01	57.82 41.65	38.85 34.46
		Average RGB	9.81	42.86	36.66	87.32	41.71	31.31	45.84	53.05	11.60	15.46	13.38
	0.1.4	Lab	68.47	77.58	80.92	95.33	79.09	78.15	84.03	79.60	76.13	73.67	66.11
	8,1,4	HSV	57.61	45.62	43.31	84.08	54.18	39.49	62.85	59.35	41.14	64.26	43.10
		Average	45.30	55.35	53.63	88.91	58.33	49.65	64.24	64.00	42.96	51.13	40.86
		RGB Lab	0.00 61.90	32.97 73.98	18.66 75.24	87.30 96.45	30.06 79.54	26.72 78.49	54.70 86.40	39.05 75.06	0.00 73.95	34.95 80.18	20.69 70.40
	8,1,5	HSV	50.72	47.95	41.29	82.77	54.87	42.47	68.29	59.15	43.50	69.96	46.50
		Average	37.54	51.64	45.06	88.84	54.82	49.23	69.80	57.75	39.15	61.70	45.86
		RGB	0.00	19.17	0.39	69.43	15.31	18.15	56.25	22.79	0.00	53.83	23.75
	8,1,6	Lab	55.77 43.55	69.93 49.14	69.56	90.90 78.40	77.81 54.18	76.97	86.16 72.50	70.31 57.45	70.70 44.81	86.16 74.43	73.29 48.88
		HSV Average	33.11	46.08	38.31 36.09	79.57	49.10	44.46 46.53	71.63	50.19	38.50	74.43	48.64
		RGB	0.00	2.66	0.00	50.01	0.00	6.45	49.45	4.83	0.00	72.09	22.49
	8,1,7	Lab	49.65	65.08	63.78	84.93	74.94	74.11	83.29	64.99	66.63	91.97	75.24
		HSV	36.20	49.11	34.49	72.38	52.15	45.35	74.82	54.40	44.99	76.95	50.09
		Average RGB	28.62 90.42	38.95 15.72	32.76 63.91	69.11 9.52	42.37 26.47	41.97 3.12	69.19 0.00	41.41 34.18	37.21 21.98	80.34 0.00	49.27 0.00
	8,2,0	Lab	97.69	71.83	82.74	66.70	60.66	60.17	59.71	76.26	66.33	44.53	41.79
	8,2,0	HSV	71.96	33.11	47.17	60.40	45.41	25.17	37.55	52.12	28.84	34.47	27.02
		Average	86.69	40.22	64.60	45.54	44.18	29.48	32.42	54.19	39.05	26.33	22.94
		RGB Lab	71.31 90.41	30.60 76.42	70.11 87.20	28.15 73.91	38.61 66.62	13.89 65.80	0.00 66.38	48.42 80.82	25.16 70.77	0.00 51.76	0.00 48.17
	8,2,1	HSV	69.80	39.01	49.81	66.74	50.89	31.13	45.06	57.54	34.53	41.57	33.33
		Average	77.17	48.68	69.04	56.27	52.04	36.94	37.14	62.26	43.49	31.11	27.17
		RGB	52.26	42.41	65.66	46.53	46.55	21.94	12.86	58.54	24.04	0.00	0.00
	8,2,2	HSV	83.13 65.87	79.52 44.40	51.29	81.07 72.24	71.83 55.62	36.65	72.83 52.41	83.48 62.06	74.05 39.71	58.97 48.43	54.27 39.24
		Average	67.09	55.44	68.46	66.61	58.00	43.12	46.03	68.03	45.93	35.80	31.17
		RGB	33.27	49.05	53.62	64.36	48.39	26.40	27.41	61.26	18.83	0.00	0.00
	8,2,3	Lab	76.53	80.36	85.86	87.42	75.58	74.26	78.22	83.34	75.43	65.48	59.42
		HSV Average	60.71 56.83	49.11 59.51	51.49 63.65	76.31 76.03	59.34 61.10	41.62 47.43	59.54 55.06	65.32 69.97	44.24 46.17	54.92 40.14	44.65 34.69
		RGB	14.34	48.55	38.33	80.28	43.60	26.67	39.74	55.28	10.30	9.31	7.34
	8,2,4	Lab	70.17	78.97	81.51	93.17	78.06	76.49	82.60	80.81	75.25	71.75	64.07
		HSV	54.73 46.41	52.93 60.15	50.40 56.75	78.13 83.86	61.74 61.13	45.86 49.67	66.30 62.88	66.95 67.68	47.94 44.50	60.88 47.31	49.38 40.26
		Average RGB	0.00	60.15 41.14	21.71	85.59	33.65	49.67 22.76	48.28	43.36	0.00	26.98	13.80
	8,2,5	Lab	64.04	76.05	76.43	96.04	78.85	77.10	85.37	76.92	73.57	77.74	67.99
	د,کرن	HSV	48.22	55.66	48.11	77.16	62.57	49.21	72.42	66.72	50.62	66.01	53.23
		Average RGB	37.42 0.00	57.62 29.01	48.75 4.51	86.26 73.18	58.36 20.49	49.69 15.27	68.69 51.10	62.34 28.46	41.40 0.00	56.91 44.05	45.01 16.94
		Lab	58.13	72.24	4.51 71.13	73.18 92.44	77.95	76.14	51.10 85.85	72.40	70.79	83.39	71.01
	8,2,6	HSV	41.35	57.06	44.76	73.70	61.74	51.48	77.38	64.64	52.13	69.89	55.97
		Average	33.16	52.77	40.13	79.77	53.39	47.63	71.44	55.17	40.97	65.78	47.98
		RGB	0.00	14.18	0.00	56.21 87.23	5.50 75.71	5.10 73.95	47.34 84.10	12.12	0.00 67.30	59.86 88.50	16.43
	8,2,7	Lab HSV	52.45 34.24	67.98 57.01	65.84 40.52	87.23 68.57	75.71 59.34	73.95 52.51	84.10 80.27	67.63 61.03	67.30 52.33	88.59 72.00	72.99 57.39
		Average	28.90	46.39	35.46	70.67	46.85	43.85	70.57	46.93	39.88	73.48	48.93
		RGB	90.94	15.55	63.13	8.87	25.99	2.33	0.00	33.72	21.37	0.00	0.00
	8,3,0	Lab	97.91	71.68	82.55	66.48	60.46	59.97	59.49	76.10	66.16	44.30	41.58
		HSV Average	65.87 84.91	37.89 41.71	53.49 66.39	56.19 43.84	50.29 45.58	29.32 30.54	38.51 32.67	56.90 55.57	33.40 40.31	31.64 25.31	30.88 24.15
		RGB	72.57	30.56	68.34	26.41	37.80	11.74	0.00	47.20	23.50	0.00	0.00
	8,3,1	Lab	91.00	76.30	86.41	73.20	65.97	64.95	65.68	80.53	69.98	51.06	47.38
	5,5,1	HSV	64.06	44.29	56.51	61.82	56.39	35.66	46.14	63.01	39.52	38.41	37.58
		Average RGB	75.88 54.56	50.38 43.15	70.42 64.20	53.81 43.25	53.38 45.48	37.45 18.37	37.27 9.39	63.58 57.12	44.33 21.89	29.83 0.00	28.32 0.00
		Lab	84.15	79.66	87.70	79.85	70.77	69.49	71.74	83.45	73.00	57.80	52.97
	8,3,2	HSV	60.71	50.24	58.23	66.50	61.79	41.62	53.67	68.30	45.17	44.88	43.94
		Average	66.47	57.69	70.04	63.20	59.35	43.16	44.93	69.62	46.69	34.23	32.30

			D1 - D1/ (0/)	B1115 (0/)		2011/01			(ac)		PER (4/)		1 150 1 50 1 feet
Color Ref	H, S, V	Distance Mode RGB	BLACK (%) 36.63	BLUE (%) 51.71	BROWN (%) 53.38	GRAY (%) 59.25	GREEN (%) 47.88	ORANGE (%) 21.83	PINK (%) 22.46	PURPLE (%) 60.88	RED (%) 16.78	0.00	YELLOW (%) 0.00
	8,3,3	Lab	77.97	81.07	85.72	85.65	74.25	72.65	76.79	83.90	74.34	63.82	57.63
	3,3,3	HSV	56.15	55.57	58.46	69.79	66.17	47.04	61.03	72.28	50.19	50.90	49.85
		Average RGB	56.92 18.47	62.78 53.79	65.86 39.21	71.56 73.29	62.77 44.61	47.17 21.74	53.43 33.52	72.35 56.50	47.10 8.51	38.24 3.08	35.83 1.21
	8,3,4	Lab	71.81	80.21	81.85	91.00	76.87	74.75	81.02	81.83	74.22	69.80	62.02
	,,,,	HSV	50.72	60.01	57.20	71.19	69.10	51.76	68.11	74.35	54.36	56.30	55.13
		Average RGB	47.00 0.67	64.67 48.98	59.42 23.85	78.49 79.81	63.53 36.13	49.42 18.10	60.88 41.35	70.89 46.57	45.70 0.00	43.06 18.91	39.45 6.65
	8,3,5	Lab	66.12	78.12	77.41	94.29	77.72	75.61	84.14	78.77	73.09	75.26	65.52
	0,3,3	HSV	44.68	63.25	54.56	70.45	70.14	55.55	74.66	74.05	57.45	60.83	59.53
		Average RGB	37.16 0.00	63.45 38.86	51.94 7.85	81.52 73.30	61.33 24.46	49.76 11.46	66.72 44.74	66.46 33.39	43.51 0.00	51.67 33.93	43.90 9.33
	8,3,6	Lab	60.41	74.77	72.46	92.96	77.27	75.04	85.37	74.64	70.72	80.57	68.40
	8,3,0	HSV	38.21	64.96	50.76	67.70	69.10	58.16	80.17	71.44	59.21	64.15	62.72
		Average RGB	32.87 0.00	59.53 25.26	43.69 0.00	77.99 59.49	56.94 10.82	48.22 2.28	70.10 42.74	59.82 18.16	43.31 0.00	59.55 47.75	46.82 9.18
	0.2.7	Lab	54.93	70.87	67.46	88.70	75.53	73.31	84.52	70.18	67.63	85.37	70.35
	8,3,7	HSV	31.42	64.90	46.06	63.41	66.17	59.36	83.54	67.07	59.45	65.90	64.40
		Average RGB	28.79 91.41	53.68 15.38	37.84 62.36	70.53 8.21	50.84 25.50	44.98 1.54	70.27	51.81 33.24	42.36 20.75	66.34 0.00	47.98 0.00
	0.4.0	Lab	98.07	71.67	82.25	66.24	60.19	59.68	59.29	76.04	65.89	44.07	41.28
	8,4,0	HSV	59.13	41.96	59.23	51.04	54.31	32.78	38.45	60.63	37.27	28.04	34.01
		Average	82.87	43.00	67.94	41.83	46.66	31.34	32.58	56.64	41.31	24.04	25.10
		RGB Lab	74.00 91.55	30.37 76.15	66.44 85.61	24.35 72.49	36.49 65.31	9.42 64.11	0.00 64.97	45.94 80.21	21.93 69.19	0.00 50.37	0.00 46.60
	8,4,1	HSV	57.61	48.87	62.72	56.01	61.02	39.49	46.07	67.44	43.82	34.44	41.06
		Average	74.39	51.80	71.59	50.95	54.27	37.67	37.01	64.53	44.98	28.27	29.22
		RGB Lab	56.65 85.36	43.64 79.77	62.43 86.93	39.92 78.41	44.17 69.44	14.80 68.12	5.92 70.53	55.43 83.42	19.65 71.96	0.00 56.40	0.00 51.46
	8,4,2	HSV	54.73	55.43	64.73	60.00	67.18	45.86	53.59	73.60	49.95	40.47	47.85
		Average	65.58	59.61	71.36	59.44	60.26	42.93	43.35	70.82	47.19	32.29	33.10
		RGB Lab	39.37 79.18	53.76 81.45	52.40 85.50	54.37 84.14	47.14 73.14	17.26 71.31	17.59 75.52	59.49 84.16	14.25 73.38	0.00 62.40	0.00 56.15
	8,4,3	HSV	50.72	61.47	65.02	62.71	73.14	51.76	60.93	78.55	73.38 55.50	46.00	54.26
		Average	56.42	65.56	67.64	67.08	64.23	46.78	51.34	74.07	47.71	36.13	36.80
		RGB Lab	22.45 73.63	58.68 81.77	39.51 82.26	66.15 88.70	44.47 75.11	16.57 73.17	27.20 79.64	57.03 83.31	6.53 73.51	0.00 67.63	0.00 59.73
	8,4,4	HSV	45.83	66.69	63.52	63.84	76.09	57.00	67.98	81.30	60.24	50.86	60.11
		Average	47.31	69.05	61.77	72.90	65.22	48.91	58.27	73.88	46.76	39.50	39.95
		RGB	5.30	56.38	25.03	72.53	37.43	12.91	34.10	48.50	0.00	10.80	0.00
	8,4,5	Lab HSV	67.90 40.29	80.06 70.66	78.02 60.46	92.19 63.24	76.28 77.45	74.09 61.30	82.91 74.51	80.45 80.88	72.48 63.82	72.99 54.84	63.16 65.13
		Average	37.83	69.03	54.51	75.99	63.72	49.43	63.84	69.95	45.44	46.21	42.76
		RGB	0.00	47.93	9.84	69.55	27.07	6.61	37.31	36.54	0.00	24.08	1.49
	8,4,6	Lab HSV	62.60 34.24	77.20 72.83	73.52 56.15	92.28 61.00	76.23 76.09	73.65 64.33	84.34 79.97	76.72 77.47	70.36 65.90	77.71 57.68	65.73 68.90
		Average	32.28	65.99	46.50	74.28	59.80	48.20	67.21	63.57	45.42	53.16	45.37
		RGB	0.00	35.98	0.00	59.18	14.69	0.00	36.03	22.72	0.00	35.52	0.85
	8,4,7	Lab HSV	57.35 27.83	73.59 72.75	68.93 50.92	89.52 57.37	75.11 72.41	72.49 65.74	84.33 83.30	72.56 72.14	67.79 66.19	82.24 59.15	67.81 70.94
		Average	28.39	60.77	39.95	68.69	54.07	46.08	67.89	55.81	44.66	58.97	46.53
		RGB	91.56	15.34	61.81	7.85	25.45	0.97	0.00	32.82	20.11	0.00	0.00
	8,5,0	Lab	98.01	71.50	82.14	66.25	60.35	59.56	59.15	75.79	65.67	44.07	41.32
		HSV Average	52.02 80.53	45.18 44.01	64.12 69.36	45.21 39.77	57.21 47.67	35.45 31.99	37.37 32.17	63.01 57.21	40.34 42.04	23.77 22.61	36.29 25.87
		RGB	75.00	30.19	64.60	22.58	35.56	7.28	0.00	44.60	20.23	0.00	0.00
	8,5,1	Lab	92.10	76.18	84.95	71.77	64.47	63.41	64.43	80.17	68.64	49.67	45.77
		HSV Average	50.72 72.60	52.56 52.98	68.15 72.56	49.61 47.99	64.47 54.83	42.47 37.72	44.84 36.42	70.35 65.04	47.26 45.38	29.79 26.49	43.63 29.80
		RGB	58.49	43.87	60.39	36.56	42.63	11.24	2.45	53.52	17.33	0.00	0.00
	8,5,2	Lab	86.07	79.94	86.14	77.39	68.42	67.06	69.69	83.43	71.10	55.45	50.34
		HSV Average	48.22 64.26	59.71 61.17	70.53 72.35	53.05 55.67	71.36 60.80	49.21 42.51	52.16 41.44	77.29 71.41	53.85 47.42	35.38 30.28	50.77 33.70
		RGB	42.04	55.34	51.01	49.20	45.54	12.59	12.61	57.79	11.72	0.00	0.00
	8,5,3	Lab	80.47	82.31	84.90	82.30	71.35	69.67	74.22	84.86	72.28	60.69	54.19
	, , , ,	HSV Average	44.68 55.73	66.51 68.06	70.87 68.92	55.34 62.28	77.54 64.81	55.55 45.94	59.25 48.69	83.31 75.32	59.94 47.98	40.44 33.71	57.62 37.27
		RGB	25.65	62.60	38.83	59.32	43.68	11.23	20.89	56.10	3.91	0.00	0.00
	8,5,4	Lab	74.93	83.08	82.18	86.78	73.46	71.68	78.43	84.43	72.67	65.88	57.78
		HSV Average	40.29 46.96	72.68 72.79	69.09 63.37	56.28 67.46	82.25 66.46	61.30 48.07	65.95 55.09	87.03 75.86	65.27 47.28	44.80 36.89	64.02 40.60
		RGB	9.32	63.16	25.26	64.75	37.52	7.30	26.69	49.10	0.00	2.70	0.00
	8,5,5	Lab	69.60	82.03	78.43	89.95	74.57	72.54	81.60	82.15	71.82	70.70	60.77
		HSV Average	35.21 38.04	77.69 74.29	65.53 56.40	55.78 70.16	84.13 65.41	66.14 48.66	72.00 60.09	86.44 72.56	69.44 47.09	48.31 40.57	69.67 43.48
		RGB	0.00	56.57	10.63	63.15	28.29	0.82	29.06	38.09	0.00	14.04	0.00
	8,5,6	Lab	64.53	79.50	74.38	90.99	74.88	72.45	83.40	78.72	70.11	75.15	63.29
	-,-,0	HSV	29.60	80.63	60.66	53.90	82.25	69.65	76.86	81.94	71.94	50.78	74.10
		Average RGB	31.38 0.00	72.23 45.73	48.56 0.00	69.35 55.72	61.81 16.83	47.64 0.00	63.11 28.39	66.25 25.67	47.35 0.00	46.66 23.80	45.80 0.00
	8,5,7	Lab	59.48	76.37	70.11	89.44	73.97	71.64	84.16	75.00	67.95	79.37	65.22
	5,5,,	HSV	23.58	80.53	54.91	50.80	77.54	71.32	79.68	75.62	72.29	52.04	76.58
		Average RGB	27.69 91.94	67.54 15.16	41.67 61.04	65.32 7.19	56.11 24.96	47.65 0.19	0.00	58.76 32.34	46.75 19.49	51.73 0.00	47.27 0.00
	860	Lab	98.28	71.51	82.06	66.02	59.99	59.48	59.07	75.87	65.72	43.85	41.07
	8,6,0	HSV	44.68	47.39	67.78	38.91	58.76	37.22	35.32	63.76	42.46	18.95	37.64
		Average RGB	78.30 76.12	44.68 29.85	70.29 62.61	37.37 20.50	47.90 34.12	32.30 4.97	31.46 0.00	57.32 43.23	42.56 18.61	20.93 0.00	26.24 0.00
	0.64	Lab	92.90	76.05	83.82	70.57	63.16	62.21	63.45	79.89	67.67	48.50	44.44
	8,6,1	HSV	43.55	55.12	72.33	42.82	66.35	44.46	42.53	71.30	49.67	24.58	45.15
		Average	70.86	53.67	72.92	44.63	54.54	37.21	35.33	64.81	45.32	24.36	29.87
	2.5	RGB Lab	60.06 86.94	43.84 80.07	58.13 85.32	33.17 76.15	40.90 67.13	7.69 65.92	0.00 68.73	51.42 83.45	14.92 70.24	0.00 54.26	0.00 49.01
	8,6,2	HSV	41.35	62.77	75.10	45.83	73.73	51.48	49.51	78.55	56.63	29.76	52.52
		Average	62.79	62.23	72.85	51.72	60.59	41.70	39.42	71.14	47.26	28.01	33.84
		RGB Lab	44.31 81.59	56.30 82.86	49.11 84.56	44.02 80.81	43.46 69.87	7.89 68.54	7.64 73.22	55.55 85.42	8.98 71.63	0.00 59.27	0.00 52.66
	863	Lab	31.33	02.00	, 04.50	. 00.01	05.07	00.54	13.22	93.42	71.03	, 33.27	52.00

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
	0,0,5	HSV	38.21	70.26	75.50	47.80	80.65	58.16	56.17	85.05	63.17	34.38	59.67
		Average RGB	54.70 28.33	69.81 65.58	69.73 37.45	57.54 52.56	64.66 42.08	44.86 5.77	45.67 14.58	75.34 54.24	47.93 0.95	31.21 0.00	37.44 0.00
	8,6,4	Lab	76.21	84.09	82.08	84.97	71.94	70.32	77.18	85.32	71.90	64.15	55.97
	8,0,4	HSV	34.24	77.43	73.42	48.60	86.41	64.33	62.32	89.38	69.06	38.32	66.46
		Average RGB	46.26 12.42	75.70 68.77	64.32 24.24	62.04 56.65	66.81 36.61	46.81 1.11	51.36 18.91	76.31 47.80	47.30 0.00	34.16 0.00	40.81 0.00
	8,6,5	Lab	71.11	83.50	78.81	88.12	73.19	71.32	80.36	83.46	71.32	68.72	58.85
	5,5,5	HSV	29.60	83.85	69.35	48.18	88.98	69.65	67.68	88.66	73.83	41.44	72.62
		Average RGB	37.71 0.00	78.71 64.55	57.47 10.61	64.32 55.69	66.26 27.94	47.36 0.00	55.65 20.87	73.31 38.57	48.38 0.00	36.72 4.13	43.82 0.00
	8,6,6	Lab	66.39	81.99	75.09	89.24	73.12	71.23	82.47	80.90	69.91	72.60	60.79
	0,0,0	HSV	24.41 30.27	78.26	63.96 49.89	46.56 63.83	86.41	73.62 48.28	71.79 58.38	83.54 67.67	76.79 48.90	43.60 40.11	77.62 46.14
		Average RGB	0.00	54.46	0.00	49.86	62.49 17.31	0.00	19.99	26.92	0.00	12.28	0.00
	8,6,7	Lab	61.51	79.23	71.06	88.58	72.44	70.60	83.63	77.44	67.96	76.48	62.55
	.,.,	HSV Average	18.77 26.76	88.07 73.92	57.76 42.94	43.86 60.77	80.65 56.80	75.56 48.72	74.05 59.22	76.78 60.38	77.22 48.39	44.70 44.49	80.54 47.70
		RGB	92.26	14.97	60.26	6.53	24.45	0.00	0.00	31.85	18.88	0.00	0.00
	8,7,0	Lab	98.37	71.49	81.75	65.78	59.72	59.19	58.87	75.80	65.45	43.62	40.78
		HSV Average	37.19 75.94	48.45 44.97	69.74 70.58	32.26 34.86	58.81 47.66	38.01 32.40	32.39 30.42	62.79 56.82	43.54 42.62	13.67 19.10	37.99 26.26
		RGB	76.79	29.53	60.72	18.70	33.08	2.85	0.00	41.80	16.89	0.00	0.00
	8,7,1	Lab	93.19	75.91	83.37	70.09	62.69	61.73	63.02	79.68	67.25	48.04	43.94
		HSV Average	36.20 68.72	56.37 53.94	74.63 72.91	35.76 41.52	54.06	45.35 36.64	39.25 34.09	70.09 63.86	50.90 45.01	18.93 22.32	45.55 29.83
		RGB	61.33	43.57	55.70	29.77	38.99	4.16	0.00	49.15	12.45	0.00	0.00
	8,7,2	Lab	87.62	80.07	84.70	75.17	66.13	65.06	67.97	83.39	69.61	53.32	47.98
		HSV Average	34.24 61.07	64.29 62.64	77.70 72.70	38.43 47.79	73.81 59.64	52.51 40.57	45.82 37.93	76.95 69.83	58.06 46.71	23.72 25.68	52.98 33.65
		RGB	45.88	56.60	46.72	39.13	41.35	3.26	2.80	52.68	5.91	0.00	0.00
	8,7,3	Lab	82.42	83.35	84.07	79.51	68.52	67.52	72.35	85.87	71.00	58.05	51.30
		HSV Average	31.42 53.24	72.18 70.71	78.15 69.65	40.15 52.93	80.76 63.54	59.36 43.38	51.96 42.37	82.84 73.80	64.88 47.26	27.96 28.67	60.21 37.17
		RGB	30.46	67.39	35.25	45.59	39.72	0.00	8.02	51.29	0.00	0.00	0.00
	8,7,4	Lab HSV	77.21 27.83	85.27 80.03	81.84 75.83	83.34 40.85	70.28 86.56	69.19 65.74	76.27 57.49	86.44 86.44	71.35 71.10	62.65 31.52	54.29 67.11
		Average	45.17	77.56	75.83 64.31	40.85 56.59	65.52	44.98	47.26	74.72	71.10 47.48	31.52	40.47
		RGB	15.04	73.15	22.69	48.72	34.47	0.00	11.42	45.86	0.00	0.00	0.00
	8,7,5	Lab HSV	72.49 23.58	85.47 87.75	78.94 71.41	86.07 40.48	71.22 89.16	70.07 71.32	79.35 62.16	85.26 85.87	70.91 76.28	66.69 34.32	56.70 73.42
		Average	37.04	82.12	57.68	58.42	64.95	47.13	50.97	72.33	49.06	33.67	43.37
		RGB	0.00	70.74	9.37	47.60	26.35	0.00	12.48	37.23	0.00	0.00	0.00
	8,7,6	Lab HSV	67.77 18.77	84.34 94.73	75.51 65.70	87.53 39.07	71.28 86.56	70.30 75.56	81.86 65.61	82.98 81.51	69.86 79.59	70.53 36.24	58.67 78.61
		Average	28.85	83.27	50.19	58.07	61.40	48.62	53.32	67.24	49.82	35.59	45.76
		RGB	0.00	61.67	0.00	42.49	16.21	0.00	11.14	26.52	0.00	0.99	0.00
	8,7,7	Lab HSV	63.26 13.50	82.04 94.37	71.81 59.23	87.28 36.69	70.67 80.76	69.68 77.67	83.13 67.43	79.86 75.30	68.07 80.08	73.87 37.21	60.09 81.69
		Average	25.59	79.36	43.68	55.49	55.88	49.12	53.90	60.56	49.38	37.36	47.26
		RGB	89.59 97.50	15.90	65.24	10.53	26.97	4.48	0.00 59.91	35.06	23.23	0.00	0.00
	9,0,0	Lab HSV	82.67	71.83	83.04 33.78	66.93 63.59	60.93 33.31	60.46 15.84	33.43	76.33 40.94	66.60 18.81	44.76 38.29	42.08 16.82
		Average	89.92	36.59	60.69	47.02	40.40	26.93	31.12	50.77	36.21	27.68	19.63
		RGB Lab	68.47 89.13	30.46 76.58	73.46 88.76	31.58 75.31	40.01 67.89	18.23 67.49	0.90 67.75	50.71 81.29	28.42 72.34	0.00 53.13	0.00 49.74
	9,0,1	HSV	79.34	27.02	35.87	70.61	37.72	21.09	40.41	45.24	23.75	45.89	22.30
		Average	78.98	44.69	66.03	59.17	48.54	35.60	36.36	59.08	41.50	33.01	24.01
		RGB Lab	47.67 81.20	40.25 79.27	67.72 89.44	52.29 83.20	47.11 73.46	28.86 73.13	19.50 74.88	60.96 83.55	28.41 76.02	0.00 61.05	0.00 56.52
	9,0,2	HSV	73.94	31.46	37.02	77.02	41.38	25.86	47.12	48.66	28.15	53.37	27.31
		Average	67.60	50.33	64.73	70.84	53.98	42.62	47.17	64.39	44.19	38.14	27.94
		RGB Lab	26.89 73.95	42.99 79.17	53.06 85.76	72.92 90.37	46.52 77.26	35.15 77.31	36.92 80.97	61.37 82.50	23.18 77.66	0.00 68.29	6.91 62.40
	9,0,3	HSV	67.47	35.22	37.18	82.14	44.14	30.06	53.43	51.03	31.90	60.68	31.77
		Average	56.10	52.46	58.67	81.81	55.97	47.51	57.11	64.97	44.25	42.99	33.69
	004	RGB Lab	5.83 66.93	37.52 76.55	35.04 80.29	93.26 97.08	38.61 79.42	35.78 79.71	51.88 85.58	51.25 78.77	13.37 77.07	20.60 75.30	18.42 67.74
	9,0,4	HSV	60.45	38.18	36.34	84.63	45.86	33.56	59.17	52.17	34.90	67.68	35.55
		Average RGB	44.40 0.00	50.75 25.94	50.56 16.13	91.66 84.76	54.63 25.40	49.68 30.64	65.54 61.33	60.73 35.98	41.78 0.82	54.53 41.22	40.57 26.02
	9,0,5	Lab	60.36	72.81	74.38	95.57	79.23	79.70	87.67	74.10	74.56	81.85	71.89
	2,0,3	HSV	53.14	40.23	34.53	83.28	46.44	36.26	64.06	52.00	37.02	74.12	38.52
		Average RGB	37.83 0.00	46.32 10.23	41.68 0.00	87.87 64.02	50.36 9.29	48.87 20.66	71.02 60.82	54.03 17.80	37.47 0.00	65.73 62.09	45.48 29.05
	9,0,6	Lab	53.80	68.01	68.29	89.22	77.21	77.85	86.46	68.67	70.88	88.40	75.17
	3,0,0	HSV	45.65	41.26	31.84	78.80	45.86	38.05	67.70	50.54	38.19	79.49	40.58
		Average RGB	33.15 0.00	39.83 0.00	33.38 0.00	77.35 43.41	0.00	45.52 7.72	71.66 51.13	45.67 0.00	36.36 0.00	76.66 82.43	48.27 26.57
	9,0,7	Lab	47.68	63.16	62.41	83.13	73.83	74.52	82.99	63.34	66.54	94.39	76.72
	-,-,-	HSV	38.05 28.58	41.23	28.37	72.70	44.14	38.85	69.65	47.90	38.35 34.97	82.73 86.52	41.62
		Average RGB	28.58 90.17	34.79 15.75	30.26 64.46	66.41 9.87	39.32 26.49	40.36 3.69	67.92 0.00	37.08 34.60	22.62	0.00	48.30 0.00
	9,1,0	Lab	97.69	71.83	82.74	66.70	60.66	60.17	59.71	76.26	66.33	44.53	41.79
	-, /=	HSV Average	79.34 89.07	27.81 38.46	40.80 62.67	62.26 46.28	39.29 42.15	21.09 28.32	36.28 32.00	47.07 52.65	24.43 37.79	37.27 27.27	21.79 21.19
		RGB	70.82	30.35	71.54	28.95	38.00	15.53	0.00	49.75	27.15	0.00	0.00
	9,1,1	Lab	90.42	76.72	87.41	73.91	66.33	66.01	66.63	81.28	71.17	51.76	48.11
	''	HSV Average	76.48 79.24	33.24 46.77	43.15 67.37	68.97 57.28	44.17 49.50	26.72 36.09	43.61 36.75	51.92 60.98	29.76 42.69	44.73 32.16	27.64 25.25
		RGB	51.52	41.50	67.36	47.88	44.96	24.79	15.47	60.94	27.25	0.00	0.00
	9,1,2	Lab	83.14	80.10	88.82	81.05	71.26	71.19	73.36	84.40	74.80	58.98	54.15
		HSV Average	71.61 68.76	38.12 53.24	44.45 66.88	74.96 67.97	48.28 54.83	31.89 42.62	50.75 46.53	55.86 67.07	34.56 45.54	52.04 37.01	33.05 29.07
		RGB	32.27	47.05	54.99	66.52	45.63	30.47	31.53	64.31	22.94	0.00	0.27
	9,1,3	Lab	76.57	80.90	86.44	87.44	74.96	75.01	79.02	84.33	76.55 38.71	65.51	59.40
		HSV Average	65.58 58.14	42.31 56.75	44.63 62.02	79.56 77.84	51.43 57.34	36.47 47.32	57.60 56.05	58.63 69.09	38.71 46.07	59.10 41.54	37.92 32.53
		V-											

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%) 45.30	BROWN (%)	GRAY (%) 83.94	GREEN (%) 39.86	ORANGE (%)	PINK (%) 45.78	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
		RGB Lab	13.06 70.19	79.88	39.30 81.91	93.11	76.93	31.72 77.34	83.97	58.00 82.09	14.92 76.53	12.12 71.76	10.12 63.84
	9,1,4	HSV	58.89	45.66	43.68	81.70	53.42	40.35	64.00	59.99	42.05	65.78	42.10
		Average	47.38	56.95	54.96	86.25	56.74	49.81	64.58	66.69	44.50	49.89	38.69
		RGB	0.00	36.90	22.31	89.00	29.25	28.35	56.44	45.30	4.14	30.72	17.19
	9,1,5	Lab HSV	64.05 51.81	77.06 48.00	76.82 41.64	95.91 80.55	77.39 54.11	78.20 43.38	87.48 69.65	78.25 59.79	75.07 44.45	77.76 71.79	67.67 45.43
		Average	38.62	53.99	46.92	88.49	53.58	49.97	71.19	61.12	41.22	60.09	43.43
		RGB	0.00	23.77	4.47	73.23	15.62	20.81	60.34	29.21	0.00	49.35	20.96
	9,1,6	Lab	57.93	73.03	71.29	92.22	76.37	77.27	88.29	73.43	72.17	83.67	70.75
	.,,,	HSV	44.50	49.19	38.64	76.59	53.42	45.40	74.08	58.06	45.78	76.61	47.76
		Average RGB	34.14 0.00	48.66 8.36	38.14 0.00	80.68 54.98	48.47 0.19	47.83 10.40	74.24 56.01	53.57 12.21	39.32 0.00	69.88 67.00	46.49 20.52
	0.17	Lab	52.25	68.70	65.98	87.02	74.11	75.04	86.37	68.57	68.62	88.90	72.63
	9,1,7	HSV	37.04	49.15	34.81	70.95	51.43	46.31	76.55	54.97	45.97	79.39	48.95
		Average	29.76	42.07	33.60	70.98	41.91	43.91	72.98	45.25	38.20	78.43	47.36
		RGB Lab	90.99 97.91	15.46 71.68	63.44 82.55	8.91 66.48	25.56 60.46	2.69 59.97	0.00 59.49	34.08 76.10	22.04 66.16	0.00 44.30	0.00 41.58
	9,2,0	HSV	73.94	33.15	47.56	59.38	44.78	25.86	38.23	52.67	29.59	35.29	26.23
		Average	87.61	40.09	64.52	44.92	43.60	29.51	32.58	54.28	39.27	26.53	22.60
		RGB	73.03	30.10	69.45	26.30	35.92	12.81	0.00	48.64	25.80	0.00	0.00
	9,2,1	Lab	91.43	76.62	86.25	72.73	65.13	64.75	65.60	81.00	70.09	50.61	46.80
		HSV Average	71.61 78.69	39.05 48.59	50.23 68.64	65.54 54.85	50.19 50.41	31.89 36.48	45.83 37.14	58.16 62.60	35.35 43.75	42.49 31.03	32.46 26.42
		RGB	55.13	42.34	66.26	43.40	42.45	20.64	11.37	60.31	25.81	0.00	0.00
	0.2.2	Lab	84.96	80.68	87.76	78.85	69.04	69.20	71.72	84.92	73.43	56.87	51.78
	9,2,2	HSV	67.47	44.44	51.72	70.81	54.84	37.48	53.31	62.75	40.60	49.47	38.30
		Average	69.19	55.82	68.58	64.35	55.44	42.44	45.46	69.33	46.61	35.45	30.03
		RGB Lab	37.30 78.80	50.42 82.59	55.90 86.22	59.96 84.61	43.86 72.37	25.47 72.61	25.93 77.13	66.08 86.01	22.12 75.16	0.00 62.88	0.00 56.41
	9,2,3	HSV	78.80 62.09	82.59 49.15	86.22 51.92	74.65	72.37 58.49	72.61 42.51	60.60	86.01 66.08	75.16 45.20	56.12	43.62
		Average	59.40	60.72	64.68	73.07	58.24	46.86	54.55	72.72	47.49	39.67	33.34
		RGB	19.54	52.27	42.16	75.00	39.87	26.77	39.01	63.16	15.25	3.85	1.99
	9,2,4	Lab	72.83	82.73	82.70	89.59	74.26	75.02	82.14	84.95	75.69	68.59	60.38
		HSV	55.92	52.98	50.82	76.34	60.84	46.83	67.58	67.75	48.97	62.27 44.90	48.25
		Average RGB	49.43 1.84	62.66 47.29	58.56 26.96	80.31 83.82	58.32 31.44	49.54 24.41	62.91 49.52	71.95 53.22	46.64 5.93	44.90 20.36	36.88 8.13
	0.25	Lab	67.37	80.80	78.53	92.97	75.22	76.10	85.79	81.85	74.77	73.81	63.74
	9,2,5	HSV	49.26	55.71	48.51	75.44	61.65	50.24	74.00	67.50	51.72	67.62	52.02
		Average	39.49	61.27	51.33	84.07	56.11	50.25	69.77	67.53	44.14	53.93	41.29
		RGB	0.00	37.14	11.10	77.50	20.03	18.74	55.68	39.71	0.00	36.39	11.59
	9,2,6	Lab HSV	61.85 42.27	77.88 57.11	73.77 45.13	92.62 72.20	74.68 60.84	75.82 52.56	88.10 79.33	77.98 65.39	72.71 53.25	78.82 71.72	66.30 54.68
		Average	34.71	57.38	43.33	80.77	51.85	49.04	74.37	61.02	41.99	62.31	44.19
		RGB	0.00	23.91	0.00	63.24	6.75	10.43	55.71	24.55	0.00	51.53	12.12
	9,2,7	Lab	56.56	74.29	68.95	89.19	73.06	74.38	88.13	73.72	69.89	83.29	68.02
	-,,	HSV	35.06	57.06	40.87	67.30	58.49	53.61	82.54	61.70	53.46	73.97	56.05
		Average RGB	30.54 91.76	51.75 15.15	36.61 62.41	73.24 7.94	46.10 24.63	46.14 1.68	75.46 0.00	53.32 33.54	41.12 21.46	69.60 0.00	45.40 0.00
		Lab	98.22	71.67	82.15	66.01	59.83	59.60	59.21	76.11	65.94	43.84	41.03
	9,3,0	HSV	67.47	37.93	53.93	55.27	49.60	30.06	39.20	57.50	34.20	32.42	30.05
		Average	85.81	41.58	66.17	43.07	44.69	30.45	32.80	55.72	40.53	25.42	23.70
		RGB	75.07 92.44	29.73	67.23	23.62	33.77	10.09	0.00	47.39	24.36	0.00	0.00
	9,3,1	Lab HSV	65.58	76.65 44.33	84.85 56.99	71.27 60.77	63.47 55.59	63.32 36.47	64.48 46.93	80.88 63.71	68.96 40.41	49.21 39.29	45.15 36.66
		Average	77.70	50.24	69.69	51.89	50.94	36.63	37.14	64.00	44.58	29.50	27.27
		RGB	58.46	42.75	64.52	38.86	39.63	16.42	7.20	59.11	24.09	0.00	0.00
	9,3,2	Lab	86.40	81.08	86.42	76.84	66.96	67.32	70.19	85.18	72.04	54.97	49.61
		HSV Average	62.09 68.98	50.29 58.04	58.73 69.89	65.31 60.34	60.89 55.83	42.51 42.08	54.59 43.99	69.12 71.14	46.15 47.43	45.85 33.61	42.92 30.84
		RGB	41.92	52.98	55.74	53.32	41.31	20.23	20.15	66.51	20.73	0.00	0.00
	9,3,3	Lab	80.81	84.03	85.41	81.70	69.60	70.18	75.12	87.41	73.63	60.20	53.40
	9,3,3	HSV	57.38	55.62	58.97	68.47	65.16	48.03	62.13	73.23	51.27	52.00	48.71
		Average	60.04	64.21	66.71	67.83	58.69	46.14	52.47	75.72	48.54	37.40	34.04
		RGB Lab	25.72 75.61	58.53 85.66	43.86 82.80	65.77 85.53	38.24 70.92	21.13 72.11	31.70 79.55	67.10 87.90	14.91 74.26	0.00 64.85	0.00 56.38
	9,3,4	HSV	51.81	60.07	57.69	69.81	68.00	52.85	69.46	75.39	55.55	57.54	53.86
		Average	51.05	68.09	61.45	73.70	59.05	48.70	60.24	76.79	48.24	40.80	36.75
		RGB	9.34	57.47	30.35	74.39	31.66	19.24	41.40	60.12	6.77	9.60	0.00
	9,3,5	Lab HSV	70.29 45.65	85.00 63.31	79.21 55.02	88.68 69.10	71.84 69.00	73.31 56.74	83.48 76.39	85.74 75.07	73.80 58.73	69.63 62.22	59.31 58.12
		Average	45.65	68.59	55.02 54.86	77.39	57.50	49.76	67.09	73.64	58.73 46.43	47.15	39.15
		RGB	0.00	50.32	16.07	74.43	22.24	14.69	48.05	48.81	0.00	23.37	1.38
	9,3,6	Lab	65.38	83.06	75.32	89.65	71.59	73.47	86.36	82.69	72.50	73.76	61.41
		HSV	39.08	65.02	51.19	66.47	68.00	59.42	82.43	72.36	60.53	65.66	61.21
		Average RGB	34.82 0.00	66.13 39.24	47.52 1.39	76.85 65.96	53.94 10.92	49.19 7.91	72.28 50.48	67.95 35.46	44.35 0.00	54.27 36.17	41.33 2.06
	0.3.7	Lab	60.49	80.00	71.11	88.49	70.65	72.67	87.69	78.82	70.34	77.60	63.03
	9,3,7	HSV	32.20	64.96	46.44	62.31	65.16	60.66	86.35	67.87	60.79	67.50	62.82
		Average	30.90	61.40	39.65	72.25	48.91	47.08	74.84	60.72	43.71	60.42	42.63
		RGB	92.20	14.97	61.64	7.28	24.14	0.89	0.00	33.06	20.83	0.00	0.00
	9,4,0	Lab HSV	98.28 60.45	71.51 42.00	82.06 59.74	66.02 50.21	59.99 53.55	59.48 33.56	59.07 39.14	75.87 61.29	65.72 38.13	43.85 28.78	41.07 33.14
		Average	83.64	42.83	67.81	41.17	45.90	31.31	32.74	56.74	41.56	24.21	24.74
		RGB	76.89	29.23	64.89	20.93	31.55	7.36	0.00	46.00	22.84	0.00	0.00
	9,4,1	Lab	93.11	76.57	83.71	70.05	62.08	62.16	63.54	80.69	68.06	48.03	43.80
	-, ,-	HSV	58.89	48.92	63.28	55.09	60.14	40.35	46.86	68.24	44.77	35.26	40.09
		Average RGB	76.30 61.43	51.57 42.73	70.63 62.23	48.69 34.28	51.25 36.55	36.63 12.16	36.80 2.99	64.98 57.38	45.22 22.13	27.76 0.00	27.96 0.00
	6	Lab	87.81	81.10	84.81	74.58	64.70	65.23	68.37	84.99	70.43	52.81	47.24
	9,4,2	HSV	55.92	55.48	65.33	59.00	66.14	46.83	54.50	74.60	51.03	41.37	46.75
		Average	68.39	59.77	70.79	55.95	55.80	41.41	41.95	72.32	47.86	31.39	31.33
		RGB	46.27	54.57	54.58	46.32	37.70	14.66	14.10	65.77	18.98	0.00	0.00
	9,4,3	Lab HSV	82.66 51.81	85.13 61.53	84.10 65.61	78.49 61.63	66.41 71.18	67.61 52.85	72.88 62.03	88.52 79.79	71.99 56.72	57.22 46.99	50.13 53.01
		Average	60.25	67.08	68.10	62.15	71.18 58.43	45.04	49.67	78.03	49.23	34.74	34.38
		RGB	30.95	63.40	44.02	56.94	35.61	15.01	24.20	68.48	13.46	0.00	0.00
	944	Lab	77.66	87.78	82.08	81.97	67.79	69.37	76.99	89.94	72.62	61.53	52.86

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
	3,7,7	HSV	46.83	66.76 72.64	64.10	62.73	74.68	58.22	69.33	82.74	61.60	51.96	58.69
		Average RGB	51.81 15.95	66.84	63.40 32.03	67.21 64.00	59.36 30.00	47.53 13.01	56.84 32.50	80.39 64.77	49.23 6.33	37.83 0.00	37.18 0.00
	9,4,5	Lab	73.02	88.96	79.22	84.19	68.13	70.24	80.39	89.42	72.39	65.20	54.83
	5,4,5	HSV	41.19	70.74	60.99	62.15	75.96	62.66	76.22	82.29	65.33	56.03	63.51
		Average RGB	43.39 0.79	75.51 63.23	57.41 19.14	70.11 66.11	58.03 22.14	48.64 8.97	63.04 38.63	78.82 55.78	48.02 0.00	40.41 10.40	39.45 0.00
	9,4,6	Lab	68.30	87.89	75.88	85.62	68.15	70.63	83.37	86.82	71.50	68.92	56.75
	3,1,0	HSV Average	35.06 34.72	72.91 74.67	56.63 50.55	59.97 70.57	74.68 54.99	65.81 48.47	82.20 68.07	78.65 73.75	67.50 46.33	58.96 46.09	67.10 41.28
		RGB	0.00	54.59	5.73	61.99	12.51	2.86	41.45	44.19	0.00	20.73	0.00
	9,4,7	Lab	63.91	85.75	72.22	85.28	67.26	69.99	85.00	83.61	69.76	71.84	57.78
	-,,	HSV Average	28.57 30.83	72.83 71.06	51.35 43.10	56.43 67.90	71.18 50.32	67.29 46.71	86.06 70.84	73.09 66.96	67.81 45.86	60.48 51.02	69.01 42.27
		RGB	92.80	14.65	60.61	6.31	23.20	0.00	0.00	32.51	20.23	0.00	0.00
	9,5,0	Lab	98.34	71.63	81.54	65.54	59.28	59.02	58.79	75.96	65.39	43.38	40.45
		HSV Average	53.14 81.43	45.22 43.83	64.71 68.95	44.48 38.78	56.40 46.29	36.26 31.76	38.04 32.28	63.71 57.39	41.24 42.29	24.48	35.39 25.28
		RGB	78.45	28.60	62.47	18.22	29.27	4.62	0.00	44.50	21.25	0.00	0.00
	9,5,1	Lab	93.71	76.21	82.07	68.33	60.22	60.50	62.14	80.14	66.68	46.37	41.94
		HSV Average	51.81 74.66	52.61 52.47	68.80 71.12	48.80 45.12	63.50 51.00	43.38 36.17	45.61 35.92	71.24 65.29	48.28 45.40	30.55 25.64	42.61 28.18
		RGB	63.96	42.28	59.49	29.68	33.25	7.85	0.00	55.20	19.93	0.00	0.00
	9,5,2	Lab HSV	88.67 49.26	81.07 59.77	83.13 71.24	72.49 52.19	62.49 70.17	63.33 50.24	66.77 53.05	84.74 78.47	68.96 55.02	50.85 36.21	45.04 49.61
		Average	67.30	61.04	71.24	51.46	55.30	40.48	39.94	72.80	47.97	29.02	31.55
		RGB	49.74	55.13	52.39	39.65	33.89	9.06	8.11	63.53	16.57	0.00	0.00
	9,5,3	Lab HSV	83.70 45.65	85.68 66.58	82.32 71.59	75.69 54.44	63.60 76.04	65.18 56.74	70.78 60.30	88.78 84.94	70.19 61.29	54.65 41.34	47.26 56.28
		Average	59.70	69.13	68.76	56.59	57.84	43.66	46.40	79.08	49.35	32.00	34.51
		RGB	35.58	66.54	42.85	47.83	31.58	8.41	16.35	67.74	11.37	0.00	0.00
	9,5,4	Lab HSV	79.19 41.19	89.36 72.76	80.71 69.77	78.30 55.36	64.34 80.39	66.56 62.66	74.33 67.22	91.42 89.22	70.82 66.84	58.13 45.78	49.25 62.45
		Average	51.99	76.22	64.44	60.50	58.77	45.88	52.63	82.79	49.68	34.64	37.23
		RGB	21.28	74.53	31.87	53.66	26.92	6.04	23.28	66.03	4.49	0.00	0.00
	9,5,5	Lab HSV	74.67 36.04	92.07 77.79	78.25 66.13	80.19 54.87	64.52 82.07	67.36 67.71	77.51 73.55	92.08 88.51	70.75 71.24	61.38 49.36	50.89 67.83
		Average	44.00	81.46	58.75	62.91	57.83	47.04	58.11	82.20	48.83	36.91	39.57
		RGB	7.33	75.96	20.04	55.28	19.83	1.67	27.90	59.44	0.00	0.00	0.00
	9,5,6	Lab HSV	70.42 30.37	93.06 80.74	75.15 61.19	80.73 53.03	63.80 80.39	67.17 71.41	79.68 78.76	90.55 83.44	69.74 73.90	63.85 51.87	51.70 71.96
		Average	36.04	83.26	52.13	63.01	54.67	46.75	62.11	77.81	47.88	38.58	41.22
		RGB	0.00	69.58	7.89	53.15	11.16	0.00	30.63	50.11	0.00	5.38	0.00
	9,5,7	Lab HSV	66.43 24.28	91.44 80.64	72.18 55.37	80.82 49.98	63.10 76.04	66.85 73.19	81.38 81.87	87.76 76.70	68.55 74.29	66.23 53.16	52.55 74.23
		Average	30.24	80.55	45.14	61.32	50.10	46.68	64.63	71.52	47.61	41.59	42.26
		RGB	93.10	14.45	59.83	5.65	22.70	0.00	0.00	32.01	19.60	0.00	0.00
	9,6,0	Lab HSV	98.40 45.65	71.47 47.43	81.45 68.43	65.55 38.25	59.44 57.92	58.90 38.05	58.66 35.97	75.72 64.48	65.18 43.40	43.39 19.61	40.49 36.72
		Average	79.05	44.45	69.90	36.48	46.69	32.32	31.54	57.41	42.73	21.00	25.74
		RGB Lab	79.52 93.56	28.01 76.18	60.18 81.03	15.82 67.28	27.39 58.92	2.08 59.55	0.00 61.42	42.93 80.02	19.54 65.96	0.00 45.39	0.00 40.75
	9,6,1	HSV	44.50	55.17	73.09	42.11	65.33	45.40	43.27	72.22	50.74	25.29	44.11
		Average	72.53	53.12	71.43	41.74	50.55	35.68	34.89	65.06	45.42	23.56	28.29
		RGB Lab	65.97 88.68	41.43 81.24	56.39 81.26	25.05 70.48	29.77 60.12	3.51 61.52	0.00 65.39	52.64 84.68	17.53 67.58	0.00 49.02	0.00 42.85
	9,6,2	HSV	42.27	62.83	75.95	45.08	72.44	52.56	50.35	79.79	57.87	30.52	51.32
		Average	65.64	61.83 54.64	71.20	46.87	54.11	39.20	38.58	72.37 60.29	47.66	26.51 0.00	31.39 0.00
		RGB Lab	52.47 84.22	85.74	49.40 80.17	32.98 72.54	29.62 60.29	3.35 62.62	2.05 68.51	88.60	13.73 68.36	51.76	44.09
	9,6,3	HSV	39.08	70.33	76.37	47.02	78.93	59.42	57.14	86.90	64.65	35.20	58.26
		Average RGB	58.59 39.01	70.24 67.45	68.65 40.37	50.85 39.13	56.28 26.99	41.80 1.61	42.57 8.53	78.60 64.56	48.91 8.37	28.98 0.00	34.12 0.00
	0.6.4	Lab	79.84	90.09	78.74	74.69	60.74	63.78	71.74	91.91	68.94	54.83	45.71
	9,6,4	HSV	35.06	77.53	74.21	47.81	84.05	65.81	63.46	92.19	70.83	39.19	64.78
		Average RGB	51.30 25.64	78.36 79.31	64.44 29.95	53.88 42.71	57.26 22.13	43.74 0.00	47.91 13.38	82.89 63.97	49.38 1.49	31.34 0.00	36.83 0.00
	9,6,5	Lab	75.63	94.17	76.33	75.71	60.30	63.98	74.09	93.37	68.53	57.15	46.52
	-,0,5	HSV	30.37	83.99	70.03	47.40 55.27	86.18	71.41	69.01	91.24	75.95	42.36	70.58
		Average RGB	43.88 12.27	85.82 86.99	58.77 18.96	55.27 43.76	56.20 15.48	45.13 0.00	52.16 16.92	82.86 59.33	48.66 0.00	33.17 0.00	39.04 0.00
	9,6,6	Lab	71.54	97.41	73.68	76.18	59.59	63.89	76.05	92.54	67.78	59.26	47.17
		HSV Average	25.12 36.31	88.43 90.94	64.54 52.39	45.81 55.25	84.05 53.04	75.66 46.52	73.32 55.43	85.20 79.03	79.21 49.00	44.56 34.61	75.17 40.78
		RGB	0.00	83.40	7.50	41.93	7.42	0.00	18.69	51.59	0.00	0.00	0.00
	9,6,7	Lab	67.62	96.57	70.75	75.84	58.43	63.25	77.26	90.06	66.52	60.86	47.37
		HSV Average	19.43 29.02	88.26 89.41	58.25 45.50	43.14 53.64	78.93 48.26	77.78 47.01	75.73 57.23	77.92 73.19	79.69 48.74	45.67 35.51	77.77 41.71
		RGB	93.47	14.10	58.80	4.68	21.75	0.00	0.00	31.44	18.99	0.00	0.00
	9,7,0	Lab HSV	98.50 38.05	71.28 48.49	80.86 70.43	64.85 31.66	58.61 57.97	58.33 38.85	58.15 33.02	75.53 63.50	64.77 44.49	42.70 14.29	39.74 37.06
		Average	76.67	48.49	70.43	33.73	46.11	38.85	33.02	56.82	44.49	14.29	25.60
		RGB	80.41	27.16	57.65	13.09	25.02	0.00	0.00	41.23	17.82	0.00	0.00
	9,7,1	Lab HSV	93.61 37.04	75.74 56.42	80.08 75.46	66.31 35.13	58.00 65.39	58.56 46.31	60.51 39.95	79.42 70.97	65.06 52.00	44.44 19.59	39.75 44.50
		Average	70.35	53.11	71.07	38.18	49.47	34.96	33.49	63.88	44.96	21.34	28.08
		RGB	67.37	40.19	53.00	20.41	26.13	0.00	0.00	49.76	14.94	0.00	0.00
	9,7,2	Lab HSV	88.63 35.06	80.81 64.35	79.68 78.65	68.59 37.77	58.10 72.51	59.89 53.61	63.94 46.60	84.07 78.10	66.32 59.35	47.25 24.42	40.90 51.77
		Average	63.69	61.78	70.44	42.26	52.24	37.83	36.85	70.64	46.87	23.89	30.89
		RGB	54.34	53.17	45.76	26.33	24.99	0.00	0.00	56.28	10.51	0.00	0.00
	9,7,3	Lab HSV	84.18 32.20	85.28 72.26	78.44 79.12	70.23 39.47	57.91 79.03	60.70 60.66	66.75 52.84	87.87 84.42	66.89 66.43	49.62 28.70	41.78 58.79
		Average	56.91	70.23	67.77	45.34	53.97	40.45	39.86	76.19	47.94	26.11	33.52
		RGB	41.34	66.06	36.64	30.25	21.67	0.00	0.39	59.48	4.49	0.00	0.00
	9,7,4	Lab HSV	79.83 28.57	89.57 80.14	76.60 76.70	71.34 40.16	57.38 84.18	61.16 67.29	69.22 58.50	91.03 88.51	67.04 73.01	51.75 32.31	42.45 65.40
		Average	49.92	78.59	63.31	47.25	54.41	42.82	42.70	79.67	48.18	28.02	35.95

Color Ref	H, S, V	Distance Mode RGB	BLACK (%) 28.47	78.56	BROWN (%) 26.61	GRAY (%) 32.02	GREEN (%) 16.17	ORANGE (%) 0.00	PINK (%) 3.62	PURPLE (%) 59.34	RED (%) 0.00	0.00	YELLOW (%) 0.00
		Lab	75.55	93.68	74.17	71.88	56.53	61.12	71.19	92.63	66.55	53.60	42.85
	9,7,5	HSV	24.28	87.93	72.15	39.80	86.32	73.19	63.29	87.84	78.65	35.14	71.33
		Average	42.77	86.72	57.64	47.90	53.01	44.77	46.04	79.93	48.40	29.58	38.06
		RGB	15.50	90.25	15.95	31.87	9.48	0.00	5.63	55.50	0.00	0.00	0.00
	9,7,6	Lab HSV	71.55 19.43	96.85 95.17	71.53 66.31	71.78 38.41	55.35 84.18	60.69 77.78	72.58 66.86	92.09 82.97	65.67 82.40	55.00 37.08	42.92 76.06
		Average	35.49	94.09	51.26	47.35	49.67	46.16	48.35	76.85	49.36	30.69	39.66
		RGB	2.53	91.66	4.84	29.52	1.56	0.00	6.14	48.82	0.00	0.00	0.00
	9,7,7	Lab	67.63	96.63	68.66	71.21	53.98	59.87	73.42	89.83	64.33	56.14	42.78
	-,,	HSV	14.12	94.78	59.74	36.05	79.03	80.12	68.76	76.37	82.97	38.06	78.77
		Average RGB	28.09 89.59	94.36 15.90	44.41 65.24	45.59 10.53	44.86 26.97	46.67 4.48	49.44 0.00	71.67 35.06	49.10 23.23	31.40 0.00	40.52 0.00
	1000	Lab	97.50	71.83	83.04	66.93	60.93	60.46	59.91	76.33	66.60	44.76	42.08
	10,0,0	HSV	85.46	21.94	34.64	62.25	32.66	16.48	33.94	41.23	19.36	39.01	16.82
		Average	90.85	36.56	60.97	46.57	40.19	27.14	31.28	50.87	36.40	27.92	19.63
		RGB Lab	68.61 89.13	30.33 76.68	73.64 88.83	31.45 75.30	39.52 67.79	18.38 67.56	1.01 67.84	50.98 81.45	28.88 72.48	0.00 53.13	0.00 49.72
	10,0,1	HSV	81.62	26.93	36.76	68.97	37.02	21.78	40.98	45.55	24.34	46.72	22.30
		Average	79.79	44.64	66.41	58.57	48.11	35.91	36.61	59.33	41.90	33.28	24.01
		RGB	47.81	40.15	67.95	52.16	46.61	29.07	19.67	61.37	28.91	0.00	0.00
	10,0,2	Lab	81.42	79.35	89.58	82.97	73.19	73.06	74.80	83.72	76.09	60.82	56.30
		HSV Average	75.70 68.31	31.36 50.29	37.92 65.15	74.95 70.02	40.64 53.48	26.60 42.91	47.75 47.41	49.00 64.70	28.77 44.59	54.34 38.39	27.31 27.87
		RGB	27.03	42.93	53.27	72.78	46.07	35.43	37.18	61.84	23.68	0.00	6.81
	10,0,3	Lab	74.17	79.33	85.97	90.13	77.01	77.30	80.95	82.75	77.81	68.06	62.19
	10,0,3	HSV	68.86	35.11	38.08	79.55	43.36	30.83	54.15	51.37	32.56	61.83	31.77
		Average	56.69	52.46	59.11	80.82	55.48	47.85	57.43	65.32	44.68	43.30	33.59
		RGB Lab	6.09 67.15	37.46 76.93	35.45 80.41	92.87 96.73	37.91 79.07	36.43 79.59	52.62 85.68	52.10 79.16	14.33 77.13	20.40 75.06	18.24 67.39
	10,0,4	HSV	61.59	38.07	37.23	81.69	45.06	34.38	59.99	52.53	35.58	69.08	35.55
		Average	44.94	50.82	51.03	90.43	54.01	50.13	66.10	61.26	42.35	54.85	40.39
		RGB	0.00	25.93	16.51	84.87	24.88	31.32	62.38	36.69	1.72	41.04	25.90
	10,0,5	Lab HSV	60.58 54.10	73.12 40.11	74.65 35.40	95.69 80.54	78.94 45.64	79.96 37.11	88.09 64.99	74.50 52.36	74.96 37.73	81.61 75.90	71.67 38.52
		Average	38.23	46.39	42.19	87.03	49.82	49.46	71.82	52.36	37.73	66.18	45.36
		RGB	0.00	10.28	0.00	64.26	8.71	21.64	62.57	18.70	0.00	61.82	28.96
	10,0,6	Lab	54.01	68.45	68.48	89.37	76.88	77.97	86.98	69.12	71.16	88.13	74.79
	22,0,0	HSV	46.48	41.15	32.68	76.58	45.06	38.93	68.75	50.89	38.92	81.78	40.58
		Average RGB	33.50 0.00	39.96 0.00	33.72 0.00	76.74 43.66	43.55 0.00	46.18 8.64	72.77 52.65	46.24 0.00	36.69 0.00	77.24 82.16	48.11 26.57
		Lab	47.89	63.63	62.63	83.29	73.46	74.77	83.64	63.83	66.94	94.05	76.31
	10,0,7	HSV	38.77	41.11	29.16	70.94	43.36	39.74	70.77	48.23	39.08	85.52	41.62
		Average	28.89	34.91	30.60	65.96	38.94	41.05	69.02	37.35	35.34	87.25	48.17
		RGB	90.31	15.60	64.50	9.74	26.05	3.79	0.00	34.76	23.01	0.00	0.00
	10,1,0	Lab HSV	97.86 81.62	71.84 27.72	82.65 41.76	66.47 60.96	60.30 38.58	60.09 21.78	59.63 36.81	76.34 47.40	66.38 25.02	44.30 37.98	41.54 21.79
		Average	89.93	38.39	62.97	45.72	41.64	28.55	32.15	52.83	38.14	27.43	21.11
		RGB	71.09	30.12	71.82	28.68	37.04	15.76	0.00	50.25	28.01	0.00	0.00
	10,1,1	Lab	90.59	76.97	87.23	73.65	65.86	65.85	66.59	81.58	71.16	51.52	47.77
		HSV	78.46 80.05	33.14 46.74	44.15 67.73	67.41 56.58	43.39 48.76	27.46 36.36	44.21 36.93	52.28 61.37	30.40 43.19	45.54 32.36	27.64 25.13
		Average RGB	51.92	41.17	67.73	47.47	43.48	25.33	15.89	62.10	28.69	0.00	0.00
	1012	Lab	83.53	80.51	88.80	80.53	70.49	70.97	73.26	84.99	74.89	58.50	53.57
	10,1,2	HSV	73.23	38.01	45.47	73.05	47.44	32.68	51.44	56.25	35.25	52.97	33.05
		Average	69.56	53.23	67.41	67.02	53.80	42.99	46.86	67.78	46.27	37.16	28.87
		RGB Lab	32.79 76.96	46.71 81.59	55.84 86.68	65.94 86.86	43.82 74.04	31.41 74.94	32.35 79.14	66.28 85.28	24.89 76.92	0.00 65.02	0.00 58.77
	10,1,3	HSV	66.90	42.19	45.66	77.26	50.54	37.33	58.40	59.04	39.44	60.21	37.92
		Average	58.88	56.83	62.72	76.69	56.13	47.89	56.63	70.20	47.08	41.74	32.23
		RGB	13.71	45.03	40.27	83.13	37.99	33.13	47.31	60.34	17.30	11.61	9.63
	10,1,4	Lab HSV	70.57 59.98	80.76 45.54	82.26 44.68	92.36 79.17	75.90 52.50	77.47 41.27	84.45 64.94	83.22 60.42	77.15 42.82	71.24 67.10	63.18 42.10
		Average	48.09	57.11	55.74	84.88	55.46	50.62	65.57	67.99	45.76	49.98	38.30
		RGB	0.00	36.76	23.42	88.69	27.51	30.20	59.07	47.68	6.85	30.11	16.74
	10,1,5	Lab	64.44	77.94	77.20	95.22	76.44	78.45	88.30	79.29	75.76	77.20	67.00
	.,-,-	HSV	52.74	47.87	42.62	78.15	53.17	44.34	70.77	60.22	45.26	73.41	45.43
		Average RGB	39.06 0.00	54.19 23.75	47.75 5.88	87.35 73.67	52.37 13.87	51.00 23.34	72.71 64.74	62.39 31.88	42.62 0.00	60.24 48.55	43.06 20.61
	10,1,6	Lab	58.72	74.49	72.01	92.20	75.20	77.68	89.86	75.02	73.20	82.52	69.58
	10,1,0	HSV	45.31	49.06	39.57	74.56	52.50	46.40	75.39	58.47	46.61	78.59	47.76
		Average	34.68	49.10	39.15	80.14	47.19	49.14	76.67	55.12	39.94	69.89	45.98
		RGB Lab	0.00 53.04	8.49 70.17	0.00 66.74	55.66 87.34	0.00 73.08	13.15 75.68	60.92 88.28	14.81 70.14	0.00 69.80	66.11 87.63	20.39 71.50
	10,1,7	HSV	37.75	49.02	35.67	69.29	50.54	47.33	78.02	55.35	46.79	81.67	48.95
		Average	30.26	42.56	34.14	70.76	41.21	45.38	75.74	46.77	38.87	78.47	46.94
		RGB	91.13	15.31	63.47	8.77	25.13	2.78	0.00	34.23	22.43	0.00	0.00
	10,2,0	Lab HSV	97.91 75.70	71.68 33.05	82.55 48.64	66.48 58.18	60.46 43.99	59.97 26.60	59.49 38.78	76.10 53.03	66.16 30.23	44.30 35.98	41.58 26.23
		Average	88.25	40.01	64.89	44.48	43.99	29.78	38.78	53.03	39.60	26.76	26.23
		RGB	73.42	29.72	69.79	25.88	34.51	13.16	0.00	49.35	27.06	0.00	0.00
	10,2,1	Lab	91.71	76.99	86.05	72.21	64.19	64.59	65.56	81.58	70.28	50.13	46.18
		HSV	73.23	38.94	51.37	64.13	49.32	32.68	46.45	58.56	36.04	43.27	32.46
		Average RGB	79.45 55.78	48.55 41.72	69.07 67.14	54.07 42.69	49.34 40.04	36.81 21.42	37.34 11.97	63.16 62.11	44.46 28.09	31.13 0.00	26.22 0.00
	10.3.3	Lab	85.28	81.12	87.66	78.29	68.16	69.00	71.65	85.61	73.58	56.38	51.17
	10,2,2	HSV	68.86	44.32	52.90	69.16	53.89	38.35	54.02	63.21	41.36	50.36	38.30
		Average	69.97	55.72	69.23	63.38	54.03	42.92	45.88	70.31	47.68	35.58	29.82
		RGB	38.20	49.64	57.23	58.92	40.70	26.89	27.14	69.55	25.42	0.00	0.00
	10,2,3	Lab HSV	79.47 63.28	83.73 49.02	86.31 53.11	83.41 72.76	70.70 57.45	72.25 43.46	77.04 61.45	87.67 66.58	75.52 46.02	61.86 57.15	55.19 43.62
		Average	60.31	60.80	65.55	71.70	56.28	47.53	55.21	74.60	48.99	39.67	32.94
		RGB	20.68	51.51	43.82	73.59	36.37	28.97	41.23	67.82	19.44	2.87	1.04
	10,2,4	Lab	73.48	84.25	83.03	88.17	72.48	74.86	82.39	86.96	76.37	67.50	59.10
		HSV Average	56.94 50.37	52.84 62.86	51.98 59.61	74.33 78.70	59.74 56.20	47.85 50.56	68.62 64.08	68.28 74.35	49.85 48.55	63.46 44.61	48.25 36.13
		RGB	3.22	46.74	28.92	82.48	28.00	27.40	53.33	74.35 58.12	10.85	19.16	7.18
	10 2 5	Lab	68.13	83.05	78.86	90.88	72.89	75.79	86.46	84.34	75.52	72.30	61.89
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Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
	10,2,5	HSV	50.14	55.56	49.61	73.50	60.53	51.34	75.31	68.03	52.64	69.02	52.02
		Average RGB	40.50 0.00	61.78 36.87	52.47 13.33	82.28 77.41	53.81 16.83	51.51 22.45	71.70 61.58	70.16 44.55	46.34 0.37	53.49 34.98	40.36 10.80
	10,2,6	Lab	62.81	80.35	74.40	90.93	72.27	75.82	89.63	80.62	73.88	76.90	64.22
	10,2,0	HSV	43.05	56.95	46.17	70.47	59.74	53.71	81.01	65.88	54.21	73.34	54.68
		Average RGB	35.28 0.00	58.06 23.90	44.63 0.00	79.60 63.94	49.61 3.88	50.66 14.75	77.41 63.39	63.68 29.34	42.82 0.00	61.74 49.93	43.23 11.61
	10,2,7	Lab	57.51	76.68	69.66	88.35	70.82	74.66	90.40	76.21	71.24	81.16	65.94
	10,2,7	HSV	35.75	56.91	41.83	65.82	57.45	54.79	84.56	62.15	54.43	75.74	56.05
		Average RGB	31.08 91.88	52.49 15.00	37.16 62.44	72.70 7.80	44.05 24.19	48.07 1.77	79.45 0.00	55.90 33.69	41.89 21.83	68.94 0.00	44.53 0.00
	10,3,0	Lab	98.22	71.67	82.15	66.01	59.83	59.60	59.21	76.11	65.94	43.84	41.03
	10,5,0	HSV	68.86 86.32	37.82 41.50	55.17	54.17 42.66	48.74 44.25	30.83 30.74	39.75 32.99	57.90	34.88 40.88	33.08 25.64	30.05
		Average RGB	75.55	29.22	66.59 67.58	23.06	31.92	10.48	0.00	55.90 48.26	25.95	0.00	23.70 0.00
	10,3,1	Lab	92.78	76.82	84.44	70.51	62.35	62.93	64.19	81.23	68.94	48.49	44.32
		HSV	66.90 78.41	44.21 50.08	58.32	59.52 51.03	54.62	37.33	47.56 37.25	64.19	41.16	40.02 29.50	36.66 26.99
		Average RGB	78.41 59.30	41.79	70.11 65.52	37.84	49.63 36.35	36.91 17.38	7.93	64.56 61.41	45.35 27.14	0.00	0.00
	10,3,2	Lab	86.84	81.68	85.94	75.69	65.32	66.77	69.86	86.15	72.08	53.95	48.39
	23,5,2	HSV	63.28	50.15 57.87	60.11 70.52	63.91	59.79	43.46 42.54	55.33 44.37	69.68 72.41	46.98 48.73	46.68 33.54	42.92 30.44
		Average RGB	69.81 43.13	51.61	57.39	59.15 51.81	53.82 36.86	21.95	21.58	71.26	25.22	0.00	0.00
	10,3,3	Lab	81.34	85.44	85.03	80.05	67.31	69.56	74.88	89.57	73.90	58.83	51.74
	23,5,5	HSV	58.43 60.97	55.47	60.36 67.59	66.93	63.93 56.03	49.08 46.86	63.02	73.88 78.24	52.19 50.44	52.93 37.26	48.71
		Average RGB	27.16	64.17 57.02	45.89	66.26 63.90	33.51	23.59	53.16 34.04	73.78	20.29	0.00	33.49 0.00
	10,3,4	Lab	76.15	87.51	82.65	83.69	68.63	71.57	79.41	90.49	74.67	63.40	54.69
	-,-,	HSV	52.74 52.02	59.90 68.14	59.04 62.53	68.21 71.93	66.66 56.27	54.01 49.72	70.57 61.34	76.09 80.12	56.56 50.50	58.60 40.67	53.86 36.18
		Average RGB	11.15	56.07	32.83	71.93	26.70	22.72	45.36	67.65	13.31	7.86	0.00
	10,3,5	Lab	71.13	87.78	79.32	86.04	68.91	72.68	83.45	89.08	74.47	67.51	56.99
	.,-,-	HSV	46.48 42.92	63.13 68.99	56.29 56.15	67.54 75.30	67.62 54.41	58.00 51.13	77.84 68.88	75.76 77.50	59.82 49.20	63.41 46.26	58.12 38.37
		Average RGB	0.00	49.29	19.03	75.30	17.42	19.19	54.20	56.33	49.20	21.28	0.04
	10,3,6	Lab	66.32	86.26	75.55	86.73	68.35	72.84	86.63	86.11	73.35	71.12	58.67
	.,,,	HSV	39.81 35.38	64.83 66.79	52.35 48.98	65.02 74.95	66.66	60.78 50.93	84.44 75.09	72.99 71.81	61.68 46.54	66.98 53.13	61.21 39.97
		Average RGB	0.00	38.70	4.76	65.84	50.81 6.40	13.32	59.09	42.88	0.00	33.78	0.97
	10,3,7	Lab	61.62	83.29	71.64	86.05	67.41	72.35	88.69	82.24	71.57	74.51	60.09
	22,0,1	HSV	32.86	64.77	47.50	61.02 70.97	63.93	62.05	89.05	68.40	61.94	68.89	62.82
		Average RGB	31.49 92.42	62.25 14.73	41.30 61.66	7.01	45.91 23.28	49.24 1.02	78.94 0.00	64.51 33.35	44.50 21.52	59.06 0.00	41.29 0.00
	10,4,0	Lab	98.31	71.65	81.84	65.77	59.56	59.31	59.00	76.04	65.67	43.61	40.74
		HSV	61.59 84.11	41.89 42.76	61.16 68.22	49.23 40.67	52.62 45.15	34.38 31.57	39.69 32.90	61.74 57.04	38.85 42.01	29.41 24.34	33.14
		Average RGB	77.43	28.53	65.22	20.21	29.28	7.82	0.00	47.01	24.78	0.00	24.63 0.00
	10,4,1	Lab	93.14	76.81	83.08	69.24	60.87	61.63	63.21	81.04	67.87	47.28	42.86
	10,1,1	HSV	59.98	48.79	64.85	54.00	59.06	41.27	47.49	68.78	45.58	35.95	40.09
		Average RGB	76.85 62.41	51.38 41.38	71.05 63.22	47.81 32.93	49.74 32.45	36.91 13.22	36.90 3.79	65.61 60.03	46.08 25.83	27.74 0.00	27.65 0.00
	10,4,2	Lab	87.88	81.87	83.68	73.02	62.46	64.27	67.82	86.03	70.12	51.46	45.53
	20,1,2	HSV	56.94	55.33	66.99	57.80	64.87	47.85	55.24	75.28	51.94	42.13	46.75
		Average RGB	69.08 47.58	59.53 52.61	71.30 56.18	54.59 44.46	53.26 32.48	41.78 16.39	42.28 15.49	73.78 70.89	49.30 24.05	31.20 0.00	30.76 0.00
	10,4,3	Lab	82.87	86.31	83.07	76.44	63.75	66.56	72.22	90.37	71.82	55.51	48.10
	23,1,5	HSV	52.74	61.35	67.29	60.36	69.70	54.01	62.91	80.65	57.76	47.84	53.01
		Average RGB	61.07 32.73	66.76 60.63	68.84 46.31	60.42 54.42	55.31 29.32	45.65 17.74	50.21 26.64	80.64 77.33	51.21 20.25	34.45 0.00	33.70 0.00
	10,4,4	Lab	78.10	89.99	81.13	79.06	64.37	68.05	76.08	93.30	72.51	59.14	50.16
	22,7,7	HSV	47.67 52.83	66.56	65.70 64.38	61.42	73.01 55.56	59.54 48.44	70.44 57.72	83.76 84.80	62.77 51.85	52.89	58.69
		Average RGB	18.09	72.39 63.81	34.79	64.97 61.22	23.54	16.66	36.26	75.15	14.23	37.34 0.00	36.28 0.00
	10,4,5	Lab	73.41	92.10	78.50	80.97	64.50	69.05	79.64	93.45	72.58	62.59	51.98
		HSV	41.95 44.48	70.51 75.47	62.46	60.86 67.68	74.20 54.08	64.14	77.66	83.28	66.63	57.06	63.51
		Average RGB	3.41	60.55	58.58 22.51	63.56	15.58	49.95 13.77	64.52 44.35	83.96 66.36	51.15 6.89	39.88 7.57	38.50 0.00
	10,4,6	Lab	68.82	92.00	75.14	81.55	63.79	69.07	82.32	90.90	71.63	65.44	53.09
		HSV Average	35.75 35.99	72.66 75.07	57.94 51.86	58.75 67.95	73.01 50.79	67.43 50.09	84.19 70.29	79.46 78.91	68.90 49.14	60.06 44.35	67.10 40.06
		RGB	0.00	52.56	9.88	60.31	5.92	9.03	49.71	54.96	0.00	17.31	0.00
	10,4,7	Lab	64.64	89.95	71.80	80.94	62.49	68.55	84.03	87.69	70.31	67.53	53.62
		HSV Average	29.20 31.28	72.59 71.70	52.52 44.73	55.31 65.52	69.70 46.04	68.98 48.86	88.70 74.15	73.73 72.12	69.22 46.51	61.62 48.82	69.01 40.88
		RGB	92.98	14.40	60.62	6.04	22.34	0.00	0.00	32.78	20.91	0.00	0.00
	10,5,0	Lab	98.34	71.63	81.54	65.54	59.28	59.02	58.79	75.96	65.39	43.38	40.45
		HSV Average	54.10 81.80	45.10 43.71	66.34 69.50	43.59 38.39	55.41 45.68	37.11 32.04	38.58 32.46	64.19 57.64	42.00 42.77	25.07 22.82	35.39 25.28
		RGB	78.99	27.76	62.74	17.34	26.60	5.09	0.00	45.61	23.44	0.00	0.00
	10,5,1	Lab	93.21	76.61	81.55	67.70	59.10	60.18	62.04	80.67	66.70	45.82	41.17
		HSV Average	52.74 74.98	52.46 52.28	70.66 71.65	47.85 44.30	62.32 49.34	44.34 36.53	46.23 36.09	71.84 66.04	49.15 46.43	31.19 25.67	42.61 27.93
		RGB	64.99	40.50	60.36	27.99	28.37	8.96	0.00	58.04	24.20	0.00	0.00
	10,5,2	Lab	88.26	81.67	81.85	70.86	60.16	62.34	66.16	85.59	68.62	49.44	43.28
		HSV Average	50.14 67.80	59.60 60.59	73.27 71.83	51.17 50.00	52.42	51.34 40.88	53.77 39.98	79.27 74.30	56.02 49.61	36.91 28.78	49.61 30.96
		RGB	51.18	52.29	53.89	37.26	27.52	10.87	9.51	68.98	22.51	0.00	0.00
	10,5,3	Lab	83.50	86.38	80.92	73.29	60.57	63.91	69.82	90.11	69.84	52.61	44.94
		HSV Average	46.48 60.38	66.38 68.35	73.64 69.48	53.36 54.64	74.28 54.13	58.00 44.26	61.15 46.83	86.12 81.73	62.46 51.60	42.10 31.57	56.28 33.74
		RGB	37.44	62.28	44.98	44.79	24.20	11.05	18.58	76.92	18.88	0.00	0.00
	10,5,4	Lab	78.97	90.78	78.93	74.91	60.40	64.72	72.87	93.82	70.17	55.31	46.10
		HSV Average	41.95 52.79	72.52 75.19	71.69 65.20	54.26 57.98	78.28 54.29	64.14 46.64	68.25 53.23	90.93 87.22	68.21 52.42	46.60 33.97	62.45 36.18
		RGB	23.68	68.53	34.75	50.01	18.69	9.78	26.75	78.72	13.84	0.00	0.00
	10,5,5	Lab	74.56	94.71	76.45	75.91	59.87	65.16	75.54	95.67	70.02	57.76	47.04
		HSV Average	36.74 44.99	77.49 80.25	67.84 59.68	53.79 59.90	79.78 52.78	69.43 48.12	74.84 59.04	90.10 88.16	72.83 52.23	50.24 36.00	67.83 38.29
		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		55.25	, 55.00	, 33.33	32.73	10.11	33.0 +		. 52.25	, 50.00	, 50.25

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
		RGB Lab	10.26 70.39	69.30 96.92	23.65 73.56	51.51 76.09	11.28 58.93	6.56 64.94	32.90 77.45	73.01 93.82	7.36 69.14	0.00 59.73	0.00 47.55
	10,5,6	HSV	31.01	80.40	62.67	51.98	78.28	73.37	80.40	84.50	75.67	52.81	71.96
		Average	37.22	82.21	53.29	59.86	49.49	48.29	63.58	83.78	50.72	37.51	39.84
		RGB	0.00	64.23	12.11	49.94	2.88	2.08	37.31	63.09	0.00	1.09	0.00
	10,5,7	Lab	66.13	94.79	70.30	75.43	57.45	64.21	78.70	90.39	67.77	61.27	47.65
	20,0,1	HSV	24.87	80.30	56.65	48.99	74.28	75.29	83.82	77.45	76.08	54.12	74.23
		Average	30.33	79.77	46.35	58.12	44.87	47.19	66.61	76.98	47.95	38.83	40.63
		RGB Lab	93.31 98.40	14.05 71.46	59.85 81.24	5.23 65.07	21.41 58.72	0.00 58.73	0.00 58.49	32.42 75.84	20.64 65.25	0.00 42.93	0.00 39.99
	10,6,0	HSV	46.48	47.30	70.26	37.45	56.90	38.93	36.50	64.97	44.19	20.17	36.72
		Average	79.40	44.27	70.45	35.92	45.68	32.55	31.66	57.74	43.36	21.03	25.57
		RGB	80.08	26.84	60.41	14.63	23.89	2.64	0.00	44.30	22.36	0.00	0.00
	10,6,1	Lab	93.43	76.01	80.44	66.51	58.00	59.00	60.92	79.89	65.63	44.66	39.97
		HSV	45.31	55.03	75.26	41.26	64.09	46.40	43.86	72.84	51.65	25.89	44.11
		Average	72.94 66.93	52.62	72.04	40.80	48.66	36.01	34.92	65.67	46.55 22.27	23.52	28.02
		RGB Lab	87.96	39.18 81.28	57.06 79.87	23.01 68.58	24.14 57.64	4.62 60.42	0.00 64.51	55.54 85.01	67.16	0.00 47.35	0.00 40.94
	10,6,2	HSV	43.05	62.65	78.42	44.19	70.90	53.71	51.03	80.65	58.94	31.16	51.32
		Average	65.98	61.03	71.78	45.26	50.89	39.58	38.51	73.73	49.46	26.17	30.75
		RGB	53.84	50.88	50.65	30.06	22.20	5.10	3.34	65.61	20.31	0.00	0.00
	10,6,3	Lab	83.40	85.72	78.44	70.05	57.27	61.18	67.31	88.96	67.72	49.63	41.72
	.,.,.	HSV	39.81	70.11	78.88	46.10	76.95	60.78	57.93	88.27	65.93	35.89	58.26
		Average RGB	59.01 40.85	68.90 61.37	69.32 42.21	48.73	52.14 18.24	42.35 4.16	42.86	80.95 73.25	51.32 16.73	28.51 0.00	33.33 0.00
		Lab	78.92	90.06	76.49	35.36 71.22	56.79	61.70	10.53 69.92	92.31	67.87	51.90	42.50
	10,6,4	HSV	35.75	77.23	76.49	46.87	81.52	67.43	64.38	94.81	72.40	39.92	64.78
		Average	51.84	76.22	65.06	51.15	52.18	44.43	48.28	86.79	52.33	30.61	35.76
		RGB	27.99	69.30	32.52	38.16	12.25	1.64	16.28	76.20	11.79	0.00	0.00
	10,6,5	Lab	74.68	93.62	73.86	71.37	55.63	61.43	71.62	93.56	67.20	53.41	42.60
	-,-,-	HSV	31.01	83.58	71.97	46.46	83.31	73.37	70.11	93.46	77.88	43.13	70.58
		Average	44.56	82.16	59.45	52.00	50.40	45.48	52.67	87.74	52.29 E.61	32.18	37.73
		RGB Lab	15.16 70.68	73.01 95.94	22.16 71.32	38.92 71.43	5.25 54.64	0.00 61.21	20.91 73.22	72.95 92.73	5.61 66.49	0.00 55.02	0.00 42.92
	10,6,6	HSV	25.72	87.87	66.16	44.90	81.52	77.99	74.60	86.40	81.47	45.36	75.17
		Average	37.19	85.61	53.21	51.75	47.14	46.40	56.24	84.03	51.19	33.46	39.36
		RGB	2.36	70.65	11.40	37.24	0.00	0.00	23.90	65.29	0.00	0.00	0.00
	10,6,7	Lab	66.57	94.68	68.21	70.53	52.94	60.26	73.91	89.91	65.05	55.94	42.57
		HSV	19.98	87.71	59.62	42.28	76.95	80.36	77.14	78.71	82.01	46.49	77.77
		Average	29.64	84.34	46.41	50.02	43.30	46.87	58.32	77.97	49.02	34.14	40.11
		RGB Lab	93.59 98.50	13.69 71.28	58.80 80.86	4.25 64.85	20.47 58.61	0.00 58.33	0.00 58.15	31.83 75.53	20.00 64.77	0.00 42.70	0.00 39.74
	10,7,0	HSV	38.77	48.36	72.40	30.94	56.94	39.74	33.52	63.97	45.29	14.81	37.06
		Average	76.95	44.45	70.69	33.35	45.34	32.69	30.56	57.11	43.36	19.17	25.60
		RGB	80.82	25.78	57.77	11.73	21.14	0.00	0.00	42.63	20.88	0.00	0.00
	10,7,1	Lab	92.74	75.92	79.35	65.41	56.61	58.05	60.19	79.73	64.93	43.64	38.74
	,-,-	HSV	37.75	56.27	77.88	34.37	64.15	47.33	40.51	71.56	52.94	20.14	44.50
		Average	70.43	52.66 37.44	71.66	37.17	47.30	35.12	33.57	64.64	46.25	21.26	27.75
		RGB Lab	68.11 87.42	80.50	53.42 77.86	18.01 66.37	19.80 55.33	0.21 58.40	0.00 62.70	52.60 83.88	20.05 65.46	0.00 45.28	0.00 38.67
	10,7,2	HSV	35.75	64.16	81.47	36.98	70.96	54.79	47.23	78.89	60.46	25.01	51.77
		Average	63.76	60.70	70.91	40.45	48.70	37.80	36.64	71.79	48.66	23.43	30.15
		RGB	55.46	48.43	46.59	22.84	16.56	0.00	0.00	61.16	17.58	0.00	0.00
	10,7,3	Lab	82.93	84.78	76.53	67.69	54.88	59.14	65.39	87.61	66.06	47.44	39.38
		HSV	32.86	72.02	82.01	38.66	77.04	62.05	53.55	85.56	67.78	29.32	58.79
		Average RGB	57.08 42.90	68.41 58.00	68.38 37.98	43.07 25.58	49.49 11.28	40.40 0.00	39.65 2.03	78.11 67.13	50.47 13.67	25.59 0.00	32.72 0.00
		Lab	78.55	88.49	74.39	68.26	53.94	59.20	67.39	90.15	65.86	49.10	39.62
	10,7,4	HSV	29.20	79.81	79.26	39.34	81.62	68.98	59.31	90.10	74.71	32.97	65.40
		Average	50.22	75.43	63.88	44.40	48.95	42.73	42.91	82.46	51.41	27.36	35.01
		RGB	30.39	65.84	28.45	26.66	5.06	0.00	5.74	69.03	8.22	0.00	0.00
	10,7,5	Lab	74.41	91.47	71.99	68.43	52.87	58.97	68.98	91.18	65.26	50.55	39.73
		HSV	24.87	87.39	74.25	38.98	83.43	75.29	64.21	89.33	80.84	35.82	71.33
		RGB	43.22 17.92	69.96	58.23 18.39	25.96	0.00	0.00	46.31 8.46	66.69	2.03	0.00	37.02 0.00
		Lab	70.23	92.98	69.18	68.02	51.44	58.30	70.05	90.26	64.16	51.66	39.54
	10,7,6	HSV	19.98	93.95	68.02	37.61	81.62	80.36	67.88	84.00	85.13	37.79	76.06
		Average	36.05	85.63	51.87	43.86	44.36	46.22	48.79	80.32	50.44	29.82	38.53
		RGB	5.50	69.02	7.93	23.39	0.00	0.00	9.78	60.64	0.00	0.00	0.00
	10,7,7	Lab	66.31	92.17	66.29	67.11	49.78	57.32	70.52	88.04	62.77	52.33	39.08
		HSV Average	14.64 28.82	93.63 84.94	61.16 45.13	35.28 41.92	77.04 42.27	83.06 46.79	69.84 50.05	77.10 75.26	85.81 49.53	38.78 30.37	78.77 39.28
		RGB	89.43	15.88	65.52	10.70	26.97	4.79	0.00	35.27	23.59	0.00	0.00
	11,0,0	Lab	97.46	72.00	83.14	66.92	60.77	60.58	60.05	76.57	66.82	44.75	42.04
	11,0,0	HSV	88.15	21.74	35.37	60.73	31.88	17.02	34.31	41.37	19.80	39.60	17.52
		Average	91.68	36.54	61.34	46.12	39.87	27.47	31.45	51.07	36.74	28.12	19.85
		RGB	68.45	30.30	73.88	31.62	39.47	18.66	1.27	51.17	29.17	0.00	0.00
	11,0,1	Lab HSV	89.12 83.67	76.77 26.72	88.91 37.51	75.30 67.14	67.69 36.19	67.63 22.36	67.92 41.39	81.60 45.70	72.62 24.81	53.13 47.39	49.70 23.04
		Average	83.67	44.60	66.77	58.02	36.19 47.78	36.22	41.39 36.86	45.70 59.49	42.20	47.39 33.51	23.04
		RGB	47.49	39.90	68.15	52.52	46.37	29.70	20.24	61.69	29.46	0.00	0.00
	11,0,2	Lab	81.19	79.48	89.60	83.18	73.21	73.31	75.11	83.90	76.33	61.05	56.47
	11,0,2	HSV	77.21	31.13	38.69	72.72	39.76	27.21	48.22	49.16	29.27	55.12	28.11
		Average	68.63	50.17	65.48	69.47	53.11	43.40	47.86	64.92	45.02	38.72	28.19
		RGB	26.53	42.31	53.27	73.32	45.52	36.32	38.11	62.03	24.33	0.14	7.44
	11,0,3	Lab HSV	73.94 70.02	79.19 34.88	86.03 38.85	90.36 76.87	77.11 42.44	77.68 31.49	81.24 54.69	82.70 51.54	78.15 33.09	68.29 62.77	62.47 32.62
		Average	56.83	52.13	59.38	80.18	55.02	48.50	58.01	65.42	45.19	43.73	34.18
		RGB	5.58	36.68	35.26	93.29	37.24	37.18	53.65	52.00	14.78	21.03	18.85
	11,0,4	Lab	67.15	76.95	80.59	96.67	78.90	80.01	86.03	79.32	77.60	75.06	67.47
	11,0,4	HSV	62.53	37.82	37.99	78.73	44.11	35.07	60.61	52.70	36.14	70.26	36.45
		Average	45.09	50.48	51.28	89.57	53.42	50.75	66.77	61.34	42.84	55.45	40.92
	1	RGB	0.00	24.53	16.04	83.87	23.69	32.23	64.02	36.23	2.21	42.09	26.78
	11,0,5	Lab	60.35	73.12	74.50	95.35 77.74	78.59	80.15	88.56 65.70	74.53	75.14	81.82	71.71
	1	HSV Average	54.88 38.41	39.86 45.84	36.14 42.22	85.65	44.68 48.98	37.83 50.07	65.70 72.76	52.53 54.43	38.31 38.55	77.42 67.11	39.47 45.99
		RGB	0.00	8.81	0.00	63.24	7.49	22.25	63.64	18.08	0.00	62.89	29.67
	11 0 6	Lab	53.78	68.40	68.31	89.09	76.49	78.08	87.29	69.10	71.26	88.32	74.77

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
	11,0,0	HSV	47.14	40.88	33.38	74.20	44.11	39.67	69.54	51.06	39.50	83.85	41.56
-		Average RGB	33.64 0.00	39.37 0.00	33.90 0.00	75.51 42.42	42.70 0.00	46.67 8.99	73.49 53.12	46.08 0.00	36.92 0.00	78.35 83.42	48.67 27.06
	44.0.7	Lab	47.66	63.45	62.50	83.05	73.18	74.96	83.78	63.72	67.09	94.24	76.45
	11,0,7	HSV	39.35	40.85	29.83	68.99	42.44	40.49	71.62	48.39	39.67	88.23	42.62
		Average RGB	29.01 90.15	34.76 15.64	30.78 64.76	64.82 9.91	38.54 26.06	41.48 4.05	69.51 0.00	37.37 34.96	35.58 23.31	88.63 0.00	48.71 0.00
		Lab	97.69	71.83	82.74	66.70	60.66	60.17	59.71	76.26	66.33	44.53	41.79
	11,1,0	HSV	83.67	27.50	42.58	59.49	37.73	22.36	37.20	47.55	25.49	38.56	22.53
		Average	90.50	38.32	63.36	45.37	41.48	28.86	32.30	52.92	38.38	27.70	21.44
		RGB Lab	70.63 90.36	29.98 77.10	72.56 87.64	29.21 73.87	36.93 65.93	16.69 66.28	0.00 66.95	50.87 81.88	28.98 71.68	0.00 51.75	0.00 48.02
	11,1,1	HSV	80.17	32.90	45.01	65.67	42.47	28.09	44.65	52.45	30.91	46.20	28.44
		Average	80.39	46.66	68.40	56.25	48.45	37.02	37.20	61.74	43.85	32.65	25.49
		RGB Lab	50.97 83.07	40.49 80.63	68.71 89.11	48.54 80.96	42.89 70.67	27.17 71.57	17.60 73.85	63.20 85.29	30.39 75.52	0.00 58.95	0.00 54.01
	11,1,2	HSV	74.59	37.76	46.35	70.96	46.45	33.36	51.94	56.43	35.80	53.74	33.92
		Average	69.54	52.96	68.06	66.82	53.34	44.03	47.80	68.31	47.24	37.56	29.31
		RGB	31.33	44.92	55.99	67.52	42.40	34.09	35.16	67.19	27.00	0.00	1.68
	11,1,3	Lab HSV	76.46 67.99	81.76 41.93	86.78 46.53	87.18 74.82	73.85 49.49	75.69 38.06	80.00 58.99	85.72 59.24	77.77 40.03	65.44 61.11	59.12 38.85
		Average	58.59	56.20	63.10	76.51	55.25	49.28	58.05	70.72	48.27	42.18	33.22
		RGB	11.88	42.13	39.87	84.77	35.84	36.03	51.03	60.29	19.26	13.84	11.83
	11,1,4	Lab HSV	70.09 60.88	80.58 45.25	82.31 45.55	92.60 76.53	75.71 51.40	78.36 42.04	85.41 65.64	83.31 60.62	78.05 43.45	71.66 68.20	63.63 43.10
		Average	47.62	55.99	55.91	84.63	54.32	52.14	67.36	68.07	46.92	51.24	39.52
-		RGB	0.00	32.64	22.40	87.20	24.48	33.14	64.07	46.63	8.61	32.98	19.30
	11,1,5	Lab	63.70	77.73	76.81	94.70	75.82	79.12	89.63	79.23	76.36	77.77	67.34
		HSV Average	53.50 39.07	47.57 52.65	43.45 47.55	75.62 85.84	52.06 50.79	45.16 52.47	71.62 75.11	60.42 62.10	45.91 43.63	74.78 61.85	46.50 44.38
		RGB	0.00	19.26	4.42	70.92	10.49	25.55	69.34	30.17	0.00	51.61	22.86
	11,1,6	Lab	57.78	73.84	71.45	91.32	74.54	78.30	90.96	74.54	73.62	83.29	70.10
		HSV Average	45.96 34.58	48.75 47.28	40.36 38.74	72.36 78.20	51.40 45.48	47.25 50.36	76.41 78.90	58.67 54.46	47.28 40.30	80.32 71.74	48.88 47.28
-		RGB	0.00	3.10	0.00	52.12	0.00	14.83	63.93	12.33	0.00	69.58	22.36
	11,1,7	Lab	52.09	69.49	66.11	86.32	72.14	76.09	88.92	69.63	70.10	88.21	71.80
		HSV	38.32	48.71	36.42	67.44	49.49 40.54	48.19	79.16 77.34	55.54	47.47 39.19	83.73	50.09
		Average RGB	30.13 90.83	40.44 15.34	34.17 64.00	68.63 9.12	25.15	46.37 3.35	0.00	45.83 34.64	23.08	80.51 0.00	48.08 0.00
	11,2,0	Lab	97.86	71.84	82.65	66.47	60.30	60.09	59.63	76.34	66.38	44.30	41.54
	11,2,0	HSV	77.21	32.82	49.58	56.81	43.06	27.21	39.18	53.20	30.74	36.54	27.02
-		Average RGB	88.63 72.51	40.00 29.51	65.41 71.25	44.13 26.93	42.84 34.33	30.22 14.94	32.94 0.00	54.73 50.61	40.07 28.97	26.95 0.00	22.85 0.00
	44.2.4	Lab	91.41	77.29	86.26	72.40	64.17	64.89	65.92	82.00	70.66	50.34	46.33
	11,2,1	HSV	74.59	38.69	52.35	62.53	48.29	33.36	46.91	58.76	36.60	43.90	33.33
		Average	79.50	48.50	69.95 68.55	53.95	48.93	37.73 24.44	37.61	63.79	45.41 31.02	31.41	26.55
		RGB Lab	54.23 84.75	40.71 81.48	88.07	44.44 78.66	39.24 68.11	69.72	14.78 72.41	64.15 86.32	74.47	0.00 56.80	0.00 51.54
	11,2,2	HSV	70.02	44.04	53.91	67.32	52.76	39.08	54.56	63.43	41.97	51.08	39.24
		Average	69.67	55.41	70.18	63.47	53.37	44.41	47.25	71.30	49.15	35.96	30.26
		RGB Lab	35.98 78.51	47.04 83.88	57.83 86.53	61.32 84.14	38.88 70.79	31.01 73.45	31.39 78.37	71.63 88.25	28.92 76.79	0.00 62.72	0.00 55.98
	11,2,3	HSV	64.26	48.71	54.13	70.69	56.23	44.26	62.09	66.83	46.68	57.99	44.65
		Average	59.58	59.88	66.16	72.05	55.30	49.57	57.28	75.57	50.80	40.23	33.54
		RGB Lab	17.78 72.49	46.77 84.12	43.51 82.87	76.24 88.60	33.35 72.22	33.80 76.02	47.18 83.92	68.46 87.22	23.04 77.56	6.44 68.29	4.58 59.77
	11,2,4	HSV	57.78	52.51	52.98	72.14	58.45	48.73	69.41	68.54	50.56	64.45	49.38
		Average	49.35	61.13	59.79	78.99	54.68	52.85	66.84	74.74	50.39	46.40	37.91
		RGB	0.00	40.03	27.73 78.63	83.03	23.81	32.39	61.21 88.54	56.98	14.17	23.53	11.19 62.89
	11,2,5	Lab HSV	66.98 50.86	82.24 55.21	50.56	91.16 71.37	72.63 59.22	77.31 52.28	76.32	84.02 68.29	76.91 53.40	73.33 70.19	53.23
		Average	39.28	59.16	52.31	81.85	51.89	53.99	75.36	69.76	48.16	55.68	42.44
		RGB	0.00	28.66	11.29	74.27	11.55	27.03	70.89	41.96	3.15	40.05	14.93
	11,2,6	Lab HSV	61.40 43.67	79.22 56.59	73.77 47.05	90.34 68.55	71.63 58.45	77.12 54.70	92.02 82.34	79.93 66.12	74.95 55.00	78.01 74.70	65.17 55.97
		Average	35.02	54.82	44.04	77.72	47.21	52.95	81.75	62.67	44.37	64.25	45.36
-		RGB	0.00	14.50	0.00	58.98	0.00	18.53	71.46	25.54	0.00	55.43	15.46
	11,2,7	Lab HSV	56.11 36.30	75.35 56.55	68.99 42.65	87.32 64.15	69.97 56.23	75.86 55.80	92.41 86.24	75.37 62.37	72.20 55.22	82.15 77.25	66.83 57.39
		Average	36.30	48.80	42.65 37.21	70.15	56.23 42.07	55.80	83.37	54.43	42.47	71.61	46.56
		RGB	91.45	15.07	63.22	8.32	24.23	2.59	0.00	34.31	22.78	0.00	0.00
	11,3,0	Lab	98.08	71.68	82.46	66.24	60.10	59.89	59.42	76.18	66.21	44.07	41.33
		HSV Average	70.02 86.52	37.57 41.44	56.24 67.31	52.91 42.49	47.72 44.02	31.49 31.33	40.16 33.19	58.10 56.19	35.43 41.47	33.62 25.90	30.88 24.07
		RGB	74.22	28.94	69.74	24.61	31.71	13.13	0.00	50.20	28.85	0.00	0.00
	11,3,1	Lab	92.07	77.33	85.12	71.15	62.69	63.77	65.04	81.99	69.86	49.15	44.94
		HSV Average	67.99 78.09	43.93 50.07	59.47 71.44	58.10 51.29	53.48 49.29	38.06 38.32	48.03 37.69	64.42 65.53	41.76 46.82	40.62 29.92	37.58 27.51
		RGB	57.21	40.55	67.70	40.26	35.45	21.52	11.81	64.50	31.33	0.00	0.00
	11,3,2	Lab	85.93	82.10	86.66	76.51	65.71	67.93	71.03	87.03	73.33	54.82	49.25
	,-,-	HSV	64.26	49.84	61.32	62.32	58.50	44.26	55.88	69.95	47.65	47.35	43.94
		Average RGB	69.13 40.25	57.50 48.36	71.89 58.67	59.70 54.99	53.22 34.85	44.57 27.45	46.24 27.21	73.82 75.06	50.77 30.26	34.06 0.00	31.06 0.00
	11,3,3	Lab	80.23	85.57	85.55	81.02	67.70	71.03	76.40	90.35	75.43	59.92	52.82
	11,3,3	HSV	59.30	55.12	61.57	65.21	62.50	49.98	63.69	74.19	52.94	53.69	49.85
		Average RGB	59.93 23.16	63.02 50.34	68.60 46.08	67.07 67.72	55.02 29.91	49.48 30.61	55.77 42.30	79.87 76.38	52.87 26.04	37.87 0.00	34.22 0.00
	11 2 4	Lab	74.75	87.20	82.80	84.53	68.66	73.36	81.50	91.05	76.56	64.61	55.85
	11,3,4	HSV	53.50	59.51	60.21	66.42	65.12	55.00	71.41	76.43	57.38	59.47	55.13
		Average	50.47	65.68	63.03	72.89	54.56	52.99	65.07	81.28	53.33	41.36	36.99
		RGB Lab	6.30 69.31	46.31 86.53	31.90 78.99	74.85 86.76	21.71 68.83	30.10 74.67	55.97 86.20	67.23 88.60	18.79 76.34	13.84 69.10	2.64 58.44
	11,3,5	HSV	47.14	62.71	57.38	65.78	66.04	59.09	78.97	76.10	60.71	64.39	59.53
		Average	40.92	65.19	56.09	75.80	52.19	54.62	73.71	77.31	51.95	49.11	40.20
		RGB	0.00	37.32	16.99	72.11	11.10	26.30	67.10	53.58	9.45	28.07	5.92
	11,3,6	Lab HSV	64.30 40.40	84.29 64.39	74.89 53.36	86.87 63.38	68.02 65.12	74.78 61.94	89.79 86.10	84.96 73.29	75.02 62.62	72.82 68.08	60.20 62.72
		Average	34.90	62.00	48.41	74.12	48.08	54.34	81.00	70.61	49.03	56.32	42.95
	-		· · · · · · · · · · · · · · · · · · ·		-		· · · · · · · · · · · · · · · · · · ·				· · · · · · · · · · · · · · · · · · ·	-	

H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
	RGB	0.00	24.86	1.58	61.45	0.00	19.82	72.85	38.23	0.00	41.20	6.85
11,3,7	Lab	59.28	80.96	70.50	85.18	66.47	73.91	91.73	80.70	72.82	76.06	61.37
-	HSV	33.39	64.33	48.41	59.54	62.50	63.26	91.58	68.66	62.88	70.06	64.40
	Average RGB	30.89 92.00	56.72 14.75	40.17 62.45	68.73 7.52	42.99 23.32	52.33 1.89	85.39 0.00	62.53 33.97	45.24 22.52	62.44 0.00	0.00
	Lab	98.13	71.80	81.92	65.76	59.39	59.42	59.13	76.27	65.88	43.61	40.70
11,4,0	HSV	62.53	41.62	62.40	48.09	51.52	35.07	40.09	61.95	39.44	29.91	34.01
	Average	84.22	42.73	68.93	40.46	44.74	32.13	33.08	57.40	42.61	24.51	24.90
	RGB	75.89	28.32	67.82	22.10	29.11	10.97	0.00	49.41	28.28	0.00	0.00
11,4,1	Lab	92.30	77.41	83.94	69.81	61.00	62.71	64.24	82.10	69.20	47.91	43.48
	HSV Average	60.88 76.36	48.48 51.41	66.22 72.66	52.75 48.22	57.79 49.30	42.04 38.57	47.96 37.40	69.04 66.85	46.24 47.90	36.50 28.14	41.06 28.18
	RGB	59.85	40.01	66.21	36.00	31.54	18.43	8.68	64.22	31.32	0.00	0.00
11.4.2	Lab	86.77	82.41	84.98	74.32	63.30	66.07	69.51	87.30	72.03	52.81	46.95
11,4,2	HSV	57.78	54.99	68.46	56.44	63.41	48.73	55.79	75.61	52.69	42.75	47.85
	Average	68.13	59.14	73.22	55.59	52.75	44.41	44.66	75.71	52.01	31.85	31.60
	RGB	43.86 81.27	48.67	58.51	48.71 78.00	30.31 64.57	23.75 68.83	22.95	77.23 92.00	31.24	0.00 57.25	0.00 49.85
11,4,3	Lab HSV	53.50	86.69 60.95	84.10 68.77	58.91	68.01	55.00	74.53 63.58	81.08	74.18 58.61	48.52	54.26
	Average	59.54	65.44	70.46	61.88	54.30	49.19	53.69	83.44	54.68	35.26	34.70
	RGB	28.10	52.89	47.37	59.09	25.77	26.30	36.37	83.56	27.93	0.00	0.00
11,4,4	Lab	76.23	89.63	81.69	80.53	64.94	70.52	78.83	94.66	75.06	61.02	52.02
* *	HSV	48.35	66.09	67.11	59.93	71.13	60.67	71.28	84.27	63.74	53.65	60.11
	Average	50.90 12.25	69.54	65.39	66.52 65.41	53.95 18.29	52.50	62.16 49.12	87.49 77.27	55.58 22.24	38.23 4.00	37.38 0.00
	RGB Lab	71.15	51.14 90.26	34.58 78.52	82.35	64.97	26.35 71.71	82.97	93.02	75.11	64.82	54.11
11,4,5	HSV	42.56	69.99	63.74	59.40	72.24	65.42	78.79	83.77	67.72	57.89	65.13
	Average	41.99	70.46	58.95	69.05	51.83	54.50	70.29	84.69	55.02	42.24	39.75
	RGB	0.00	44.16	21.01	65.25	8.72	23.70	60.02	64.48	14.51	16.12	0.00
11,4,6	Lab	66.45	88.74	74.94	82.64	64.17	71.88	86.07	89.43	74.16	67.84	55.43
	HSV	36.30	72.10	59.09	57.36	71.13	68.85	77.30	79.86	70.06	60.96	68.90 41.44
	Average RGB	34.25 0.00	68.33 33.79	51.68 7.06	68.42 58.54	48.00 0.00	54.81 18.55	67.16	77.92 50.32	52.91 5.43	48.30 26.53	0.00
44.4-	Lab	61.60	85.80	70.80	81.36	62.46	71.02	87.88	85.17	72.24	70.22	56.02
11,4,7	HSV	29.70	72.03	53.53	54.02	68.01	70.47	91.12	74.04	70.40	62.56	70.94
	Average	30.43	63.87	43.80	64.64	43.49	53.35	82.05	69.84	49.36	53.10	42.32
	RGB	92.32	14.46	61.92	6.89	22.42	1.44	0.00	33.82	22.56	0.00	0.00
11,5,0	Lab HSV	98.13 54.88	71.80 44.82	81.92 67.78	65.76 42.56	59.39 54.25	59.42 37.83	59.13 38.98	76.27 64.42	65.88 42.62	43.61 25.54	40.70 36.29
	Average	81.78	43.69	70.54	38.40	45.35	37.83	38.98	58.17	43.68	23.05	25.66
	RGB	77.15	27.54	65.99	19.73	26.46	9.07	0.00	48.69	27.94	0.00	0.00
11,5,1	Lab	92.65	77.12	82.68	68.58	59.72	61.45	63.17	81.61	68.10	46.72	42.15
11,5,1	HSV	53.50	52.14	72.33	46.74	60.95	45.16	46.68	72.13	49.85	31.71	43.63
	Average	74.44	52.27	73.67	45.02	49.04	38.56	36.62	67.48	48.63	26.15	28.59
	RGB Lab	62.07 86.93	39.11 82.60	64.15 83.19	31.68 72.25	27.53 60.93	15.19 64.34	5.43 68.15	63.33 87.41	30.99 70.81	0.00 50.95	0.00 44.78
11,5,2	HSV	50.86	59.22	75.10	49.99	67.10	52.28	54.30	79.67	56.83	37.48	50.77
	Average	66.62	60.31	74.15	51.30	51.85	43.94	42.63	76.80	52.88	29.47	31.85
	RGB	47.06	48.29	57.24	42.24	25.55	19.42	18.13	77.38	31.34	0.00	0.00
11,5,3	Lab	82.01	87.02	82.31	75.09	61.69	66.44	72.35	92.29	72.48	54.59	46.97
	HSV	47.14 58.74	65.92 67.08	75.50 71.68	52.12 56.48	72.31 53.18	59.09 48.32	61.78 50.76	86.71 85.46	63.42	42.72 32.44	57.62 34.86
	Average RGB	32.14	53.68	47.25	50.57	20.78	48.32 21.55	30.19	88.79	55.75 29.06	0.00	0.00
	Lab	77.05	90.83	80.16	77.18	61.81	67.88	76.24	96.72	73.31	57.95	48.76
11,5,4	HSV	42.56	71.96	73.42	53.00	75.98	65.42	69.03	91.88	69.35	47.27	64.02
	Average	50.58	72.16	66.94	60.25	52.85	51.62	58.49	92.46	57.24	35.07	37.59
	RGB	17.27	53.99	35.70	55.50	13.73	21.42	41.19	86.60	24.43	0.00	0.00
11,5,5	Lab HSV	72.26 37.30	92.97 76.81	77.15 69.35	78.15 52.54	61.19 77.33	68.48 70.95	79.43 75.83	96.72 90.96	73.16 74.17	60.75 50.96	49.96 69.67
	Average	42.28	74.59	60.73	62.06	50.75	53.62	65.48	91.43	57.25	37.24	39.88
	RGB	2.46	48.85	23.26	55.54	4.54	19.16	50.57	74.33	18.18	3.68	0.00
11,5,6	Lab	67.55	92.03	73.80	78.23	60.14	68.56	82.03	92.52	72.39	63.21	50.87
,-,-	HSV	31.52	79.62	63.96	50.78	75.98	75.12	81.68	85.04	77.17	53.57	74.10
	Average RGB	33.84 0.00	73.50 40.31	53.67 10.37	61.52 51.46	46.89 0.00	54.28 14.82	71.43 57.23	83.96 60.32	55.92 10.09	40.15 12.27	41.66 0.00
	Lab	63.12	89.23	70.27	77.40	58.71	67.93	83.54	88.17	70.87	65.12	51.31
11,5,7	HSV	25.34	79.53	57.76	47.86	72.31	77.19	85.40	77.81	77.61	54.90	76.58
	Average	29.49	69.69	46.13	58.91	43.67	53.31	75.39	75.44	52.86	44.10	42.63
				61.11	6.09							
	RGB	92.69	14.17			21.50	0.67	0.00	33.45	22.22	0.00	0.00
11,6,0	Lab	98.16	71.78	81.61	65.52	59.11	0.67 59.13	0.00 58.92	76.19	65.60	43.38	40.41
11,6,0							0.67	0.00				
11,6,0	Lab HSV	98.16 47.14 79.33 78.29	71.78 47.01	81.61 71.90	65.52 36.52	59.11 55.69	0.67 59.13 39.67	0.00 58.92 36.88	76.19 65.20	65.60 44.83	43.38 20.62	40.41 37.64
11,6,0	Lab HSV Average RGB Lab	98.16 47.14 79.33 78.29 92.52	71.78 47.01 44.32 26.66 76.99	81.61 71.90 71.54 63.83 81.57	65.52 36.52 36.04 17.17 67.53	59.11 55.69 45.44 23.82 58.51	0.67 59.13 39.67 33.16 6.87 60.42	0.00 58.92 36.88 31.94 0.00 62.36	76.19 65.20 58.28 47.63 81.33	65.60 44.83 44.22 27.20 67.24	43.38 20.62 21.33 0.00 45.73	40.41 37.64 26.02 0.00 40.98
	Lab HSV Average RGB Lab HSV	98.16 47.14 79.33 78.29 92.52 45.96	71.78 47.01 44.32 26.66 76.99 54.68	81.61 71.90 71.54 63.83 81.57 77.26	65.52 36.52 36.04 17.17 67.53 40.27	59.11 55.69 45.44 23.82 58.51 62.66	0.67 59.13 39.67 33.16 6.87 60.42 47.25	0.00 58.92 36.88 31.94 0.00 62.36 44.29	76.19 65.20 58.28 47.63 81.33 73.14	65.60 44.83 44.22 27.20 67.24 52.39	43.38 20.62 21.33 0.00 45.73 26.37	40.41 37.64 26.02 0.00 40.98 45.15
	Lab HSV Average RGB Lab HSV Average	98.16 47.14 79.33 78.29 92.52 45.96 72.26	71.78 47.01 44.32 26.66 76.99 54.68 52.78	81.61 71.90 71.54 63.83 81.57 77.26 74.22	65.52 36.52 36.04 17.17 67.53 40.27 41.66	59.11 55.69 45.44 23.82 58.51 62.66 48.33	0.67 59.13 39.67 33.16 6.87 60.42 47.25 38.18	0.00 58.92 36.88 31.94 0.00 62.36 44.29 35.55	76.19 65.20 58.28 47.63 81.33 73.14 67.37	65.60 44.83 44.22 27.20 67.24 52.39 48.94	43.38 20.62 21.33 0.00 45.73 26.37 24.03	40.41 37.64 26.02 0.00 40.98 45.15 28.71
11,6,1	Lab HSV Average RGB Lab HSV	98.16 47.14 79.33 78.29 92.52 45.96	71.78 47.01 44.32 26.66 76.99 54.68	81.61 71.90 71.54 63.83 81.57 77.26	65.52 36.52 36.04 17.17 67.53 40.27	59.11 55.69 45.44 23.82 58.51 62.66	0.67 59.13 39.67 33.16 6.87 60.42 47.25	0.00 58.92 36.88 31.94 0.00 62.36 44.29	76.19 65.20 58.28 47.63 81.33 73.14	65.60 44.83 44.22 27.20 67.24 52.39	43.38 20.62 21.33 0.00 45.73 26.37	40.41 37.64 26.02 0.00 40.98 45.15
	Lab HSV Average RGB Lab HSV Average RGB	98.16 47.14 79.33 78.29 92.52 45.96 72.26 63.82 87.16 43.67	71.78 47.01 44.32 26.66 76.99 54.68 52.78 37.86 82.23 62.24	81.61 71.90 71.54 63.83 81.57 77.26 74.22 61.62 81.90 80.74	65.52 36.52 36.04 17.17 67.53 40.27 41.66 27.31 70.64 43.15	59.11 55.69 45.44 23.82 58.51 62.66 48.33 23.44	0.67 59.13 39.67 33.16 6.87 60.42 47.25 38.18 11.83 62.94 54.70	0.00 58.92 36.88 31.94 0.00 62.36 44.29 35.55 2.06 66.86 51.53	76.19 65.20 58.28 47.63 81.33 73.14 67.37 61.87 86.86 81.08	65.60 44.83 44.22 27.20 67.24 52.39 48.94 30.34 69.71 59.82	43.38 20.62 21.33 0.00 45.73 26.37 24.03 0.00 49.43 31.68	40.41 37.64 26.02 0.00 40.98 45.15 28.71 0.00 43.16 52.52
11,6,1	Lab HSV Average RGB Lab HSV Average RGB Lab HSV Average RGB Lab HSV	98.16 47.14 79.33 78.29 92.52 45.96 72.26 63.82 87.16 43.67 64.88	71.78 47.01 44.32 26.66 76.99 54.68 52.78 37.86 82.23 62.24 60.77	81.61 71.90 71.54 63.83 81.57 77.26 74.22 61.62 81.90 80.74 74.75	65.52 36.52 36.04 17.17 67.53 40.27 41.66 27.31 70.64 43.15 47.03	59.11 55.69 45.44 23.82 58.51 62.66 48.33 23.44 59.30 69.14 50.63	0.67 59.13 39.67 33.16 6.87 60.42 47.25 38.18 11.83 62.94 54.70 43.16	0.00 58.92 36.88 31.94 0.00 62.36 44.29 35.55 2.06 66.86 51.53 40.15	76.19 65.20 58.28 47.63 81.33 73.14 67.37 61.87 86.86 81.08 76.60	65.60 44.83 44.22 27.20 67.24 52.39 48.94 30.34 69.71 59.82 53.29	43.38 20.62 21.33 0.00 45.73 26.37 24.03 0.00 49.43 31.68 27.04	40.41 37.64 26.02 0.00 40.98 45.15 28.71 0.00 43.16 52.52 31.89
11,6,1	Lab HSV Average RGB Lab HSV Average RGB Lab HSV Average RGB Lab HSV Average RGB	98.16 47.14 79.33 78.29 92.52 45.96 72.26 63.82 87.16 43.67 64.88 49.58	71.78 47.01 44.32 26.66 76.99 54.68 52.78 37.86 82.23 62.24 60.77 47.07	81.61 71.90 71.54 63.83 81.57 77.26 74.22 61.62 81.90 80.74 74.75 55.01	65.52 36.52 36.04 17.17 67.53 40.27 41.66 27.31 70.64 43.15 47.03 35.73	59.11 55.69 45.44 23.82 58.51 62.66 48.33 23.44 59.30 69.14 50.63 20.51	0.67 59.13 39.67 33.16 6.87 60.42 47.25 38.18 11.83 62.94 54.70 43.16 14.80	0.00 58.92 36.88 31.94 0.00 62.36 44.29 35.55 2.06 66.86 51.53 40.15 13.08	76.19 65.20 58.28 47.63 81.33 73.14 67.37 61.87 86.86 81.08 76.60 75.63	65.60 44.83 44.22 27.20 67.24 52.39 48.94 30.34 69.71 59.82 53.29 30.80	43.38 20.62 21.33 0.00 45.73 26.37 24.03 0.00 49.43 31.68 27.04 0.00	40.41 37.64 26.02 0.00 40.98 45.15 28.71 0.00 43.16 52.52 31.89 0.00
11,6,1	Lab HSV Average RGB Lab HSV Average RGB Lab HSV Average RGB Lab HSV Average RGB RGB Lab	98.16 47.14 79.33 78.29 92.52 45.96 72.26 63.82 87.16 43.67 64.88 49.58	71.78 47.01 44.32 26.66 76.99 54.68 52.78 37.86 82.23 62.24 60.77 47.07 86.85	81.61 71.90 71.54 63.83 81.57 77.26 74.22 61.62 81.90 80.74 74.75 55.01 80.54	65.52 36.52 36.04 17.17 67.53 40.27 41.66 27.31 70.64 43.15 47.03 35.73 72.64	59.11 55.69 45.44 23.82 58.51 62.66 48.33 23.44 59.30 69.14 50.63 20.51 59.20	0.67 59.13 39.67 33.16 6.87 60.42 47.25 38.18 11.83 62.94 54.70 43.16 14.80 64.44	0.00 58.92 36.88 31.94 0.00 62.36 44.29 35.55 2.06 66.86 51.53 40.15 13.08 70.53	76.19 65.20 58.28 47.63 81.33 73.14 67.37 61.87 86.86 81.08 76.60 75.63 91.84	65.60 44.83 44.22 27.20 67.24 52.39 48.94 30.34 69.71 59.82 53.29 30.80 71.01	43.38 20.62 21.33 0.00 45.73 26.37 24.03 0.00 49.43 31.68 27.04 0.00 52.37	40.41 37.64 26.02 0.00 40.98 45.15 28.71 0.00 43.16 52.52 31.89 0.00 44.56
11,6,1	Lab HSV Average RGB Lab HSV Average RGB Lab Lab HSV Average RGB Lab HSV Average RGB Lab	98.16 47.14 79.33 78.29 92.52 45.96 72.26 63.82 87.16 43.67 64.88 49.58	71.78 47.01 44.32 26.66 76.99 54.68 52.78 37.86 82.23 62.24 60.77 47.07	81.61 71.90 71.54 63.83 81.57 77.26 74.22 61.62 81.90 80.74 74.75 55.01	65.52 36.52 36.04 17.17 67.53 40.27 41.66 27.31 70.64 43.15 47.03 35.73	59.11 55.69 45.44 23.82 58.51 62.66 48.33 23.44 59.30 69.14 50.63 20.51	0.67 59.13 39.67 33.16 6.87 60.42 47.25 38.18 11.83 62.94 54.70 43.16 14.80	0.00 58.92 36.88 31.94 0.00 62.36 44.29 35.55 2.06 66.86 51.53 40.15 13.08	76.19 65.20 58.28 47.63 81.33 73.14 67.37 61.87 86.86 81.08 76.60 75.63	65.60 44.83 44.22 27.20 67.24 52.39 48.94 30.34 69.71 59.82 53.29 30.80	43.38 20.62 21.33 0.00 45.73 26.37 24.03 0.00 49.43 31.68 27.04 0.00	40.41 37.64 26.02 0.00 40.98 45.15 28.71 0.00 43.16 52.52 31.89 0.00
11,6,1	Lab HSV Average RGB Lab HSV Average RGB Lab HSV Average RGB Lab HSV Average RGB RGB Lab	98.16 47.14 79.33 78.29 92.52 45.96 72.26 63.82 87.16 43.67 64.88 49.58 82.09 40.40 53.36 35.27	71.78 47.01 44.32 26.66 76.99 54.68 52.78 37.86 82.23 62.24 60.77 47.07 86.85 69.59	81.61 71.90 71.54 63.83 81.57 77.26 74.22 61.62 81.90 80.74 74.75 55.01 80.54 81.26	65.52 36.52 36.04 17.17 67.53 40.27 41.66 27.31 70.64 43.15 47.03 35.73 72.64 45.02	\$9.11 \$5.69 45.44 23.82 \$8.51 62.66 48.33 23.44 \$9.30 69.14 \$0.63 20.51 \$9.20 74.77	0.67 59.13 39.67 33.16 6.87 60.42 47.25 38.18 11.83 62.94 54.70 43.16 14.80 64.44 61.94	0.00 58.92 36.88 31.94 0.00 62.36 44.29 35.55 2.06 66.86 51.53 40.15 13.08 70.53 58.51	76.19 65.20 58.28 47.63 81.33 73.14 67.37 61.87 86.86 81.08 76.60 75.63 91.84 88.99	65.60 44.83 44.22 27.20 67.24 52.39 48.94 30.34 69.71 59.82 53.29 30.80 71.01 66.99	43.38 20.62 21.33 0.00 45.73 26.37 24.03 0.00 49.43 31.68 27.04 0.00 52.37 36.44	40.41 37.64 26.02 0.00 40.98 45.15 28.71 0.00 43.16 52.52 31.89 0.00 44.56 59.67
11,6,1	Lab HSV Average RGB RGB Lab HSV Average	98.16 47.14 79.33 78.29 92.52 45.96 72.26 63.82 87.16 43.67 64.88 49.58 49.58 82.09 40.40 57.36 35.27 77.31	71.78 47.01 44.32 26.66 76.99 54.68 52.78 37.86 82.23 62.24 60.77 47.07 86.85 69.59 67.84 52.90 91.01	81.61 71.90 71.54 63.83 81.57 74.22 61.62 81.90 80.74 74.75 55.01 80.54 81.26 72.27 45.81 78.51	65.52 36.52 36.04 17.17 67.53 40.27 41.66 27.31 70.64 43.15 47.03 35.73 72.64 45.02 51.13 42.07 74.38	\$9.11 \$5.69 45,44 23.82 \$8.51 62.66 48.33 23.44 \$9.30 69.14 \$0.63 20.51 \$9.20 74.77 \$1.50 \$1.52 \$3.91	0.67 59.13 39.67 33.16 6.87 60.42 47.25 38.18 11.83 62.94 54.70 43.16 14.80 64.44 61.94 47.06 16.20 65.58	0.00 58.92 36.88 31.94 0.00 62.36 44.29 35.55 2.06 66.86 51.53 40.15 13.08 70.53 58.51 47.37 23.55 73.98	76.19 65.20 58.28 47.63 81.33 73.14 67.37 61.87 86.86 81.08 76.60 75.63 91.84 88.99 85.49 88.79 96.43	65.60 44.83 44.22 27.20 67.24 52.39 48.94 30.34 69.71 59.82 53.29 30.80 71.01 66.99 56.27 29.20 71.61	43.38 20.62 21.33 0.00 45.73 26.37 24.03 0.00 49.43 31.68 27.04 0.00 52.37 36.44 29.61 0.00 55.37	40.41 37.64 26.02 0.00 40.98 45.15 28.71 0.00 43.16 52.52 31.89 0.00 44.56 59.67 34.75 0.00 46.03
11,6,1	Lab HSV Average RGB Lab	98.16 47.14 79.33 78.29 92.52 45.96 72.26 63.82 87.16 43.67 64.88 49.58 82.09 40.40 57.36 35.27 77.31	71.78 47.01 44.32 26.66 76.99 54.68 52.78 37.86 82.23 62.24 60.77 47.07 86.85 69.59 67.84 52.90 91.01	81.61 71.90 71.54 63.83 81.57 77.26 74.22 61.62 81.90 80.74 74.75 55.01 80.54 81.26 72.27 45.81 78.51 78.60	65.52 36.52 36.04 17.17 67.53 40.27 41.66 27.31 70.64 43.15 47.03 35.73 72.64 45.02 51.13 42.07 74.38	59.11 55.69 45.44 23.82 58.51 62.66 48.33 23.44 59.30 69.14 50.63 20.51 59.20 74.77 51.50 15.23 59.14 78.86	0.67 59.13 39.67 33.16 6.87 60.42 47.25 38.18 11.83 62.94 54.70 43.16 14.80 64.44 47.06 16.20 16.20 65.58 68.85	0.00 58.92 36.88 31.94 0.00 62.36 44.29 35.55 2.06 66.86 51.53 40.15 13.08 70.53 58.51 47.37 23.55 73.98 65.07	76.19 65.20 58.28 47.63 81.33 73.14 67.37 61.87 86.86 81.08 75.63 91.84 88.99 85.49 88.79 96.43	65.60 44.83 44.22 27.20 67.24 52.39 48.94 30.34 69.71 59.82 53.29 30.80 71.01 66.99 56.27 29.20 71.61 73.72	43.38 20.62 21.33 0.00 45.73 26.37 24.03 0.00 49.43 31.68 27.04 0.00 52.37 36.44 29.61 0.00 55.37 40.52	40.41 37.64 26.02 0.00 40.98 45.15 28.71 0.00 43.16 52.52 31.89 0.00 44.56 59.67 34.75 0.00 46.03 66.46
11,6,1	Lab HSV Average RGB Lab HSV Average RGB Lab Lab Lab HSV Average RGB Lab HSV Average RGB Lab HSV Average RGB Lab HSV Average	98.16 47.14 79.33 78.29 92.52 45.96 72.26 63.82 87.16 43.67 64.88 49.58 82.09 40.40 57.36 35.27 77.31 36.30 49.63	71.78 47.01 44.32 26.66 76.99 54.68 52.78 37.86 82.23 62.24 60.77 47.07 86.85 69.59 67.84 52.90 91.01 76.56 73.49	81.61 71.90 71.54 63.83 81.57 77.26 74.22 61.62 81.90 80.74 74.75 55.01 80.54 81.26 74.22 74.58 81.26 75.01 80.54	65.52 36.52 36.64 17.17 67.53 40.27 41.66 27.31 70.64 43.15 47.03 35.73 72.64 45.02 51.13 42.07 74.38 45.78 54.08	\$9.11 \$5.69 45,44 23.82 \$8.51 62.66 48.33 23.44 \$0.63 20.51 \$9.20 74.77 \$1.50 15.23 \$9.14 78.86 \$1.08	0.67 59.13 39.67 33.16 6.87 60.42 47.25 38.18 11.83 62.94 54.70 43.16 14.80 64.44 61.94 47.06 16.20 65.58 68.85 50.21	0.00 58.92 36.88 31.94 0.00 62.36 44.29 35.55 2.06 66.86 51.53 40.15 13.08 70.53 58.51 47.37 23.55 73.98 65.07 54.20	76.19 65.20 58.28 47.63 81.33 73.14 67.37 61.87 86.86 81.08 76.60 75.63 91.84 88.99 96.43 96.73 93.98	65.60 44.83 44.22 27.20 67.24 52.39 48.94 30.34 69.71 59.82 53.29 30.80 71.01 66.99 56.27 29.20 71.61 73.72 58.18	43.38 20.62 21.33 0.00 45.73 26.37 24.03 0.00 49.43 31.68 27.04 0.00 52.37 36.44 29.61 0.00 55.37 40.52	40.41 37.64 26.02 0.00 40.98 45.15 28.71 0.00 43.16 52.52 31.89 0.00 44.56 59.67 34.75 0.00 46.03 66.46 37.50
11,6,1 11,6,2 11,6,3	Lab HSV Average RGB Lab HSV Average RGB Lab Lab Lab Lab Lab HSV Average RGB Lab HSV Average RGB Lab HSV Average RGB Lab HSV Average RGB RGB RGB	98.16 47.14 79.33 78.29 92.52 45.96 72.26 63.82 87.16 43.67 64.88 49.58 82.09 40.40 57.36 35.27 77.31 36.30 49.63 21.13	71.78 47.01 44.32 26.66 76.99 54.68 52.78 37.86 82.23 60.77 47.07 86.85 69.59 67.84 52.90 91.01 76.56 73.49 54.09	81.61 71.90 71.54 63.83 81.57 77.26 61.62 81.90 80.74 74.75 55.01 80.54 81.26 72.27 45.81 78.60 67.64 35.01	65.52 36.52 36.04 17.17 67.53 40.27 41.66 27.31 70.64 43.15 47.03 35.73 72.64 45.02 51.13 42.07 74.38 45.78 54.08 45.02	\$9.11 \$5.69 45,44 23.82 \$8.51 62.66 48.33 23.44 \$9.30 69.14 \$0.63 20.51 \$9.20 74.77 \$51.50 15.23 \$9.14 78.86 \$51.08 \$7.74	0.67 59.13 39.67 33.16 6.87 60.42 47.25 38.18 11.83 62.94 54.70 43.16 14.80 64.44 61.94 47.06 16.20 65.58 68.85 50.21 15.49	0.00 58.92 36.88 31.94 0.00 62.36 44.29 35.55 2.06 66.86 51.53 40.15 13.08 70.53 58.51 47.37 23.55 73.98 65.07 54.20 32.56	76.19 65.20 58.28 47.63 81.33 73.14 67.37 61.87 86.86 81.08 76.60 75.63 91.84 88.99 85.49 88.79 96.43 96.73 93.98	65.60 44.83 44.22 27.20 67.24 52.39 48.94 30.34 69.71 59.82 53.29 30.80 71.01 66.99 56.27 29.20 71.61 73.72 58.18 25.50	43.38 20.62 21.33 0.00 45.73 24.03 0.00 49.43 31.68 27.04 0.00 52.37 36.44 29.61 0.00 55.37 40.52 31.96	40.41 37.64 26.02 0.00 40.98 45.15 28.71 0.00 43.16 52.52 31.89 0.00 44.56 59.67 34.75 0.00 46.03 66.46 37.50 0.00
11,6,1	Lab HSV Average RGB Lab HSV Average RGB Lab Lab Lab HSV Average RGB Lab HSV Average RGB Lab HSV Average RGB Lab HSV Average	98.16 47.14 79.33 78.29 92.52 45.96 72.26 63.82 87.16 43.67 64.88 49.58 82.09 40.40 57.36 35.27 77.31 36.30 49.63	71.78 47.01 44.32 26.66 76.99 54.68 52.78 37.86 82.23 62.24 60.77 47.07 86.85 69.59 67.84 52.90 91.01 76.56 73.49	81.61 71.90 71.54 63.83 81.57 77.26 74.22 61.62 81.90 80.74 74.75 55.01 80.54 81.26 74.22 74.58 81.26 75.01 80.54	65.52 36.52 36.64 17.17 67.53 40.27 41.66 27.31 70.64 43.15 47.03 35.73 72.64 45.02 51.13 42.07 74.38 45.78 54.08	\$9.11 \$5.69 45,44 23.82 \$8.51 62.66 48.33 23.44 \$0.63 20.51 \$9.20 74.77 \$1.50 15.23 \$9.14 78.86 \$1.08	0.67 59.13 39.67 33.16 6.87 60.42 47.25 38.18 11.83 62.94 54.70 43.16 14.80 64.44 61.94 47.06 16.20 65.58 68.85 50.21	0.00 58.92 36.88 31.94 0.00 62.36 44.29 35.55 2.06 66.86 51.53 40.15 13.08 70.53 58.51 47.37 23.55 73.98 65.07 54.20	76.19 65.20 58.28 47.63 81.33 73.14 67.37 61.87 86.86 81.08 76.60 75.63 91.84 88.99 96.43 96.73 93.98	65.60 44.83 44.22 27.20 67.24 52.39 48.94 30.34 69.71 59.82 53.29 30.80 71.01 66.99 56.27 29.20 71.61 73.72 58.18	43.38 20.62 21.33 0.00 45.73 26.37 24.03 0.00 49.43 31.68 27.04 0.00 52.37 36.44 29.61 0.00 55.37 40.52	40.41 37.64 26.02 0.00 40.98 45.15 28.71 0.00 43.16 52.52 31.89 0.00 44.56 59.67 34.75 0.00 46.03 66.46 37.50
11,6,1 11,6,2 11,6,3	Lab HSV Average RGB Lab HSV Average RGB Lab Lab HSV Average RGB Lab HSV Average	98.16 47.14 79.33 78.29 92.52 45.96 72.26 63.82 87.16 43.67 64.88 49.58 82.09 40.40 57.36 35.27 77.31 36.30 49.63 21.13 72.71 31.52 41.79	71.78 47.01 44.32 26.66 76.99 54.68 52.78 37.86 82.23 60.77 47.07 86.85 69.59 67.84 52.90 91.01 76.56 73.49 54.09 93.70 82.66 76.82	81.61 71.90 71.54 63.83 81.57 72.26 74.22 61.62 81.90 80.74 74.75 55.01 80.54 81.26 72.27 45.81 78.51 78.60 67.64 35.01 75.62	65.52 36.52 36.62 17.17 67.53 40.27 41.66 27.31 70.64 43.15 47.03 35.73 72.64 45.02 51.13 42.07 74.38 45.78 54.08 45.02 74.85 55.08	\$9.11 \$5.69 45,44 23.82 \$8.51 62.66 48.33 23.44 \$9.30 69.14 \$0.63 20.51 \$9.20 74.77 \$1.50 15.23 \$9.14 78.86 \$5.10 \$7.74 \$8.17 \$8.17 \$8.41 \$8.41 \$8.41	0.67 59.13 39.67 33.16 6.87 60.42 47.25 38.18 11.83 62.94 54.70 43.16 14.80 64.44 61.94 47.06 16.20 65.58 68.85 50.21 15.49 65.80 75.12 52.14	0.00 58.92 36.88 31.94 0.00 62.36 44.29 35.55 2.06 66.86 51.53 40.15 13.08 70.53 58.51 47.37 23.55 73.98 65.07 54.20 32.56 76.49 70.93	76.19 65.20 65.20 47.63 81.33 73.14 67.37 61.87 86.86 81.08 76.60 75.63 91.84 88.99 85.49 85.49 96.43 96.73 93.98 92.34 97.43 94.86	65.60 44.83 44.22 27.20 67.24 52.39 48.94 30.34 69.71 59.82 53.29 30.80 71.01 66.99 56.27 29.20 71.61 73.72 58.18 25.50 71.28 79.55 58.77	43.38 20.62 21.33 0.00 45.73 24.03 0.00 49.43 31.68 27.04 0.00 52.37 36.44 29.61 0.00 55.37 40.52 31.96 0.00 57.53 43.76	40.41 37.64 26.02 0.00 40.98 45.15 28.71 0.00 43.16 52.52 31.89 0.00 44.56 59.67 34.75 0.00 46.03 66.46 37.59 0.00 46.70 72.62 39.77
11,6,1 11,6,2 11,6,3	Lab HSV Average RGB Average RGB RGB RGB RGB RGB	98.16 47.14 79.33 78.29 92.52 45.96 72.26 63.82 87.16 43.67 64.88 49.58 82.09 40.40 57.36 35.27 77.31 36.30 49.63 21.13 72.71 31.52 41.79 7.16	71.78 47.01 44.32 26.66 76.99 54.68 52.78 37.86 82.23 62.24 60.77 47.07 86.85 69.59 67.84 52.90 91.01 76.56 73.49 54.09 93.70 82.66 76.82 55.70 76.82 55.70 76.82 55.70 76.82 55.70 76.82 55.70 76.82 55.70 76.82 55.70 76.82 55.70 76.82 55.70 76.82 55.70 76.82 55.70 76.82 55.70 76.82 55.70 76.82 55.70 76.82 55.70 76.82 55.70 76.82	81.61 71.90 71.54 63.83 81.57 77.26 74.22 61.62 81.90 80.74 74.75 55.01 80.54 81.26 72.27 45.81 78.60 67.64 35.01 75.62 73.72 61.45 23.47	65.52 36.52 36.52 36.04 17.17 67.53 40.27 41.66 27.31 70.64 43.15 47.03 35.73 72.64 45.02 51.13 42.07 74.38 45.78 54.08 45.78 54.08 45.02 74.85 45.38 45.38 45.38 45.38 45.38 45.38 45.98	59.11 55.69 45.44 23.82 58.51 62.66 48.33 23.44 59.30 69.14 50.63 20.51 59.20 74.77 51.50 15.23 59.14 78.86 51.08 7.74 58.17 80.41 48.77 0.00	0.67 59.13 39.67 33.16 6.87 60.42 47.25 38.18 11.83 62.94 54.70 43.16 14.80 64.44 47.06 16.20 65.58 68.85 50.21 15.49 65.80 75.12 52.14	0.00 58.92 36.88 31.94 0.00 62.36 44.29 35.55 2.06 66.86 51.53 40.15 13.08 70.53 58.51 47.37 23.55 73.98 65.07 54.20 32.56 76.49 70.93 39.96	76.19 65.20 58.28 47.63 81.33 73.14 67.37 61.87 86.86 81.08 75.63 91.84 88.99 85.49 88.79 96.43 96.73 93.98 92.34 97.43 94.88 80.46	65.60 44.83 44.22 27.20 67.24 52.39 48.94 30.34 69.71 59.82 53.29 30.80 71.01 66.99 56.27 29.20 71.61 73.72 58.18 25.50 71.28 79.55 58.77 19.68	43.38 20.62 21.33 0.00 45.73 26.37 24.03 0.00 49.43 31.68 27.04 0.00 52.37 36.44 29.61 0.00 55.37 40.52 31.96 0.00 57.53 43.76 33.76 0.00	40.41 37.64 26.02 0.00 40.98 45.15 28.71 0.00 43.16 52.52 31.89 0.00 44.56 59.67 34.75 0.00 46.03 66.46 37.50 0.00 46.70 72.62 39.77 0.00
11,6,1 11,6,2 11,6,3	Lab HSV Average RGB Lab HSV Average RGB Lab Lab HSV Average RGB Lab HSV Average	98.16 47.14 79.33 78.29 92.52 45.96 72.26 63.82 87.16 43.67 64.88 49.58 82.09 40.40 57.36 35.27 77.31 36.30 49.63 21.13 72.71 31.52 41.79 7.16 68.20	71.78 47.01 44.32 26.66 76.99 54.68 52.78 37.86 82.23 62.24 60.77 47.07 86.85 69.59 67.84 52.90 91.01 76.56 73.49 54.09 93.70 82.66 76.82 51.06 93.46	81.61 71.90 71.54 63.83 81.57 77.26 74.22 61.62 81.90 80.74 74.75 55.01 80.54 81.26 72.27 45.81 78.51 78.51 78.60 67.64 35.01 73.72 61.45 73.72 61.45 73.72	65.52 36.52 36.52 36.04 17.17 67.53 40.27 41.66 27.31 70.64 43.15 47.03 35.73 72.64 45.02 51.13 42.07 74.38 45.02 54.08 45.02 45.02 45.03 47.03 47.03 47.03 47.04 48.02 48.02 48.03 48	\$9.11 \$5.69 45.44 23.82 \$8.51 62.66 48.33 23.44 \$50.63 20.51 \$9.20 74.77 \$51.50 15.23 \$9.14 78.86 \$1.08 7.74 \$8.17 80.41 48.77 80.41 48.77 80.00 \$6.87	0.67 59.13 39.67 33.16 6.87 60.42 47.25 38.18 11.83 62.94 54.70 43.16 14.80 64.44 61.94 47.06 16.20 65.58 68.85 50.21 15.49 65.80 75.12 52.14 12.95 65.60	0.00 58.92 36.88 31.94 0.00 62.36 44.29 35.55 2.06 66.86 51.53 40.15 13.08 70.53 58.51 47.37 23.55 73.98 65.07 54.20 32.56 76.49 70.93 59.99 39.96 78.42	76.19 65.20 65.20 47.63 81.33 73.14 67.37 61.87 86.86 81.08 76.60 75.63 91.84 88.99 96.43 96.73 93.98 92.34 94.86 94.88 80.46	65.60 44.83 44.22 27.20 67.24 52.39 48.94 30.34 69.71 59.82 53.29 30.80 71.01 66.99 56.27 29.20 71.61 73.72 58.18 25.50 71.28 79.55 58.77 19.68 70.45	43.38 20.62 21.33 0.00 45.73 26.37 24.03 0.00 49.43 31.68 27.04 0.00 52.37 36.44 29.61 0.00 55.37 40.52 31.96 0.00 57.53 43.76 33.76 33.76 0.00 59.36	40.41 37.64 26.02 0.00 40.98 45.15 28.71 0.00 43.16 52.52 31.89 0.00 44.56 59.67 34.75 0.00 46.03 66.46 37.50 0.00 46.03 67.00 46.03 67.00 47.12
11,6,1 11,6,2 11,6,3 11,6,4	Lab HSV Average RGB Lab HSV Average RGB Lab Lab HSV Average RGB Lab	98.16 47.14 79.33 78.29 92.52 45.96 72.26 63.82 87.16 43.67 64.88 49.58 82.09 40.40 57.36 35.27 77.31 36.30 49.63 21.13 72.71 31.52 41.79 7.16 68.20 26.20	71.78 47.01 44.32 26.66 76.99 54.68 52.78 37.86 82.23 60.24 60.77 47.07 86.85 69.59 67.84 52.90 91.01 76.56 73.49 54.09 93.70 82.66 76.82 51.06 93.46 86.65	81.61 71.90 71.54 63.83 81.57 77.26 74.22 61.62 81.90 80.74 74.75 55.01 80.54 81.26 72.27 45.81 78.51 78.60 67.64 35.01 75.62 73.72 61.45 23.47 72.26	65.52 36.52 36.52 36.04 17.17 67.53 40.27 41.66 27.31 70.64 43.15 47.03 35.73 72.64 45.02 51.13 42.07 74.38 45.78 54.08 45.02 74.85 55.08 44.98 74.61 43.85	\$9.11 \$5.69 45,44 23.82 \$8.51 62.66 48.33 23.44 \$5.063 20.51 \$9.20 74.77 \$1.50 15.23 \$9.14 78.86 \$5.108 7.74 \$8.17 80.41 48.77 0.00 \$6.87 78.86	0.67 59.13 39.67 33.16 6.87 60.42 47.25 38.18 11.83 62.94 54.70 43.16 14.80 64.44 47.06 16.20 65.58 68.85 50.21 15.49 65.80 75.12 52.14 12.95 65.60 80.15	0.00 58.92 36.88 31.94 0.00 62.36 44.29 35.55 2.06 66.86 51.53 40.15 13.08 70.53 58.51 47.37 23.55 73.98 65.07 54.20 32.56 76.49 70.93 59.99 39.96 78.42 75.59	76.19 65.20 65.20 47.63 81.33 73.14 67.37 61.87 86.86 81.08 76.60 75.63 91.84 88.99 85.49 85.49 96.43 96.73 93.98 92.34 97.43 94.86 94.88 80.46 94.88 80.46	65.60 44.83 44.22 27.20 67.24 52.39 48.94 30.34 69.71 59.82 53.29 30.80 71.01 66.99 56.27 29.20 71.61 73.72 58.18 25.50 71.28 71	43.38 20.62 21.33 0.00 45.73 24.03 0.00 45.73 24.03 0.00 49.43 31.68 27.04 0.00 52.37 36.44 29.61 0.00 55.37 40.52 31.96 0.00 57.53 43.76 33.76 0.00 59.36	40.41 37.64 26.02 0.00 40.98 45.15 28.71 0.00 43.16 52.52 31.89 0.00 44.56 59.67 34.75 0.00 46.03 66.46 37.50 0.00 46.70 72.62 39.77 0.00
11,6,1 11,6,2 11,6,3 11,6,4	Lab HSV Average RGB Lab HSV Average RGB Lab Lab HSV Average RGB Lab HSV Average	98.16 47.14 79.33 78.29 92.52 45.96 72.26 63.82 87.16 43.67 64.88 49.58 82.09 40.40 57.36 35.27 77.31 36.30 49.63 21.13 72.71 31.52 41.79 7.16 68.20	71.78 47.01 44.32 26.66 76.99 54.68 52.78 37.86 82.23 62.24 60.77 47.07 86.85 69.59 67.84 52.90 91.01 76.56 73.49 54.09 93.70 82.66 76.82 51.06 93.46	81.61 71.90 71.54 63.83 81.57 77.26 74.22 61.62 81.90 80.74 74.75 55.01 80.54 81.26 72.27 45.81 78.51 78.51 78.60 67.64 35.01 73.72 61.45 73.72 61.45 73.72	65.52 36.52 36.52 36.04 17.17 67.53 40.27 41.66 27.31 70.64 43.15 47.03 35.73 72.64 45.02 51.13 42.07 74.38 45.02 54.08 45.02 45.02 45.03 47.03 47.03 47.03 47.04 48.02 48.02 48.03 48	\$9.11 \$5.69 45.44 23.82 \$8.51 62.66 48.33 23.44 \$50.63 20.51 \$9.20 74.77 \$51.50 15.23 \$9.14 78.86 \$1.08 7.74 \$8.17 80.41 48.77 80.41 48.77 80.00 \$6.87	0.67 59.13 39.67 33.16 6.87 60.42 47.25 38.18 11.83 62.94 54.70 43.16 14.80 64.44 61.94 47.06 16.20 65.58 68.85 50.21 15.49 65.80 75.12 52.14 12.95 65.60	0.00 58.92 36.88 31.94 0.00 62.36 44.29 35.55 2.06 66.86 51.53 40.15 13.08 70.53 58.51 47.37 23.55 73.98 65.07 54.20 32.56 76.49 70.93 59.99 39.96 78.42	76.19 65.20 65.20 47.63 81.33 73.14 67.37 61.87 86.86 81.08 76.60 75.63 91.84 88.99 96.43 96.73 93.98 92.34 94.86 94.88 80.46	65.60 44.83 44.22 27.20 67.24 52.39 48.94 30.34 69.71 59.82 53.29 30.80 71.01 66.99 56.27 29.20 71.61 73.72 58.18 25.50 71.28 79.55 58.77 19.68 70.45	43.38 20.62 21.33 0.00 45.73 26.37 24.03 0.00 49.43 31.68 27.04 0.00 52.37 36.44 29.61 0.00 55.37 40.52 31.96 0.00 57.53 43.76 33.76 33.76 0.00 59.36	40.41 37.64 26.02 0.00 40.98 45.15 28.71 0.00 43.16 52.52 31.89 0.00 44.56 59.67 34.75 0.00 46.03 66.46 37.50 0.00 46.70 72.62 39.77 0.00 47.12
11,6,1 11,6,2 11,6,3 11,6,4	Lab HSV Average RGB Lab HSV Average	98.16 47.14 79.33 78.29 92.52 45.96 72.26 63.82 87.16 43.67 64.88 49.58 82.09 40.40 57.36 35.27 77.31 36.30 49.63 21.13 72.71 31.52 41.79 7.16 68.20 26.20 33.85	71.78 47.01 44.32 26.66 76.99 54.68 52.78 37.86 82.23 62.24 60.77 47.07 86.85 69.59 67.84 52.90 91.01 76.56 73.49 54.09 93.70 82.66 76.82 51.06 93.46 86.65 77.06	81.61 71.90 71.54 63.83 81.57 77.26 74.22 61.62 81.90 80.74 74.75 55.01 80.54 81.26 72.27 45.81 78.60 67.64 35.01 75.62 73.72 61.45 23.47 72.46 67.59 54.51	65.52 36.52 36.52 36.04 17.17 67.53 40.27 41.66 27.31 70.64 43.15 47.03 35.73 72.64 45.02 51.13 42.07 74.38 45.02 54.08 45.02 74.85 45.38 45.38 45.38 45.38 55.08 44.98 74.61 43.85 55.448	59.11 55.69 45.44 23.82 58.51 62.66 48.33 23.44 59.30 69.14 50.63 20.51 59.20 74.77 51.50 15.23 59.14 78.86 51.08 7.74 58.17 80.41 48.77 0.00 56.87 7.00 56.87 7.886 45.24	0.67 59.13 39.67 33.16 6.87 60.42 47.25 38.18 11.83 62.94 54.70 43.16 14.80 64.44 47.06 16.20 65.58 68.85 50.21 15.49 65.80 75.12 52.14 12.95 65.60 80.15 52.90	0.00 58.92 36.88 31.94 0.00 62.36 44.29 35.55 2.06 66.86 51.53 40.15 13.08 70.53 58.51 47.37 23.55 73.98 65.07 54.20 32.56 76.49 70.93 39.96 78.42 75.59	76.19 65.20 58.28 47.63 81.33 73.14 67.37 61.87 86.86 81.08 75.63 91.84 88.99 85.49 88.79 96.43 96.73 93.98 92.34 97.43 94.86 94.88 80.46 93.57	65.60 44.83 44.22 27.20 67.24 52.39 48.94 30.34 69.71 59.82 53.29 30.80 71.01 66.99 56.27 29.20 71.61 73.72 58.18 25.50 71.28 79.55 58.77 19.68 70.45 83.50 57.88	43.38 20.62 21.33 0.00 45.73 26.37 24.03 0.00 49.43 31.68 27.04 0.00 52.37 36.44 29.61 0.00 55.37 40.52 31.96 0.00 57.53 43.76 33.76 0.00 59.36 46.02	40.41 37.64 26.02 0.00 40.98 45.15 28.71 0.00 43.16 52.52 31.89 0.00 44.56 59.67 34.75 0.00 46.03 66.46 37.50 0.00 46.70 72.62 39.77 0.00 47.12 77.62 41.58

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Color Ref	H, S, V	Distance Mode HSV	BLACK (%) 20.43	BLUE (%) 86.50	BROWN (%) 60.81	GRAY (%) 41.27	GREEN (%) 74.77	ORANGE (%) 82.81	PINK (%) 78.24	PURPLE (%) 79.09	RED (%) 84.11	WHITE (%) 47.16	YELLOW (%) 80.54
		Average	28.08	73.73	47.11	52.22	43.36	52.22	67.72	79.09	55.24	36.00	42.60
		RGB	92.96	13.82	60.32	5.28	20.58	0.00	0.00	33.08	21.94	0.00	0.00
	11,7,0	Lab	98.40	71.46	81.24	65.07	58.72	58.73	58.49	75.84	65.25	42.93	39.99
	11,7,0	HSV	39.35	48.06	74.17	30.10	55.74	40.49	33.89	64.19	45.95	15.23	37.99
		Average RGB	76.90 78.94	44.45 25.69	71.91 61.78	33.48 14.75	45.01 21.15	33.07 4.89	30.79 0.00	57.71 46.64	44.38 26.66	19.38 0.00	25.99 0.00
		Lab	92.30	76.54	80.43	66.25	57.13	59.33	61.36	80.82	66.40	44.51	39.67
	11,7,1	HSV	38.32	55.92	80.13	33.48	62.71	48.19	40.92	71.85	53.70	20.59	45.55
		Average	69.85	52.72	74.12	38.16	47.00	37.47	34.09	66.43	48.92	21.70	28.41
		RGB	65.00	36.28	58.71	22.91	19.28	8.35	0.00	59.91	29.38	0.00	0.00
	11,7,2	Lab	86.90	81.88	80.31	68.90	57.44	61.40	65.53	86.27	68.47	47.84	41.38
		HSV Average	36.30 62.73	63.73 60.63	84.23 74.42	36.06 42.62	69.21 48.64	55.80 41.85	47.69 37.74	79.28 75.15	61.37 53.07	25.49 24.44	52.98 31.45
		RGB	51.16	44.92	52.04	29.32	15.19	10.20	8.10	72.60	29.94	0.00	0.00
	44.7.2	Lab	81.96	86.45	79.10	70.82	57.36	62.86	69.07	91.02	69.74	50.70	42.75
	11,7,3	HSV	33.39	71.47	84.87	37.71	74.85	63.26	54.08	86.13	68.90	29.83	60.21
		Average	55.50	67.61	72.00	45.95	49.13	45.44	43.75	83.25	56.19	26.84	34.32
		RGB	37.43	50.40	42.92	33.12	8.82	10.14	16.30	83.29	28.35	0.00	0.00
	11,7,4	Lab HSV	77.34 29.70	90.42 79.05	76.95 81.68	71.96 38.38	56.85 78.96	63.53 70.47	71.91 59.91	94.75 90.96	70.02 76.16	53.10 33.50	43.67 67.11
		Average	48.16	73.29	67.19	47.82	48.21	48.05	49.38	89.67	58.18	28.87	36.93
		RGB	23.77	52.22	32.68	34.80	1.37	8.69	23.48	87.10	24.76	0.00	0.00
	11,7,5	Lab	72.80	93.17	74.32	72.46	55.97	63.80	74.29	95.82	69.77	55.19	44.34
	, , ,	HSV	25.34	86.21	76.16	38.03	80.52	77.19	64.90	90.12	82.80	36.38	73.42
		Average RGB	40.64 10.20	77.20 49.81	61.05 21.69	48.43 33.81	45.95 0.00	49.89 5.74	54.23 29.01	91.02 79.64	59.11 19.50	30.52 0.00	39.25 0.00
		Lab	68.35	93.55	71.27	72.32	54.79	63.50	76.05	93.02	68.83	56.97	44.72
	11,7,6	HSV	20.43	91.77	69.54	36.68	78.96	82.81	68.65	84.52	87.76	38.37	78.61
		Average	32.99	78.38	54.17	47.60	44.58	50.68	57.90	85.73	58.70	31.78	41.11
		RGB	0.00	43.78	10.25	30.30	0.00	1.44	32.56	68.12	12.92	0.00	0.00
	11,7,7	Lab	64.08	91.17	67.90	71.14	52.93	62.47	76.67	89.12	67.23	57.88	44.38
		HSV Average	15.05 26.38	91.53 75.50	62.40 46.85	34.38 45.27	74.85 42.59	85.98 49.96	70.66 59.96	77.46 78.23	88.59 56.25	39.37 32.42	81.69 42.02
		RGB	89.43	15.88	65.52	10.70	26.97	4.79	0.00	35.27	23.59	0.00	0.00
	12,0,0	Lab	97.46	72.00	83.14	66.92	60.77	60.58	60.05	76.57	66.82	44.75	42.04
	12,0,0	HSV	90.67	21.43	35.97	61.00	30.99	17.46	34.54	41.35	20.13	40.04	18.12
		Average RGB	92.52 68.29	36.44 30.23	61.54 74.12	46.21 31.80	39.58 39.42	27.61 18.99	31.53 1.55	51.06 51.38	36.85 29.51	28.26 0.00	20.05
		Lab	89.12	76.77	74.12 88.91	75.30	67.69	18.99 67.63	67.92	51.38 81.60	72.62	53.13	0.00 49.70
	12,0,1	HSV	85.39	26.38	38.13	67.45	35.24	22.83	41.66	45.69	25.16	47.90	23.68
		Average	80.93	44.46	67.05	58.18	47.45	36.48	37.04	59.56	42.43	33.68	24.46
		RGB	47.16	39.65	68.33	52.87	46.13	30.32	20.82	62.00	30.00	0.00	0.00
	12,0,2	Lab	81.19	79.39	89.88	83.18	73.20	73.53	75.20	83.93	76.63	61.05	56.55
		HSV	78.41 68.92	30.78 49.94	39.32 65.85	73.10 69.72	38.75 52.69	27.71 43.86	48.52 48.18	49.14 65.03	29.65 45.43	55.72 38.92	28.79 28.45
_		Average RGB	26.02	49.94	53.22	73.84	44.95	37.22	48.18 39.07	62.19	24.97	0.75	8.08
	42.02	Lab	73.94	79.29	86.08	90.33	76.96	77.78	81.38	82.86	78.31	68.28	62.43
	12,0,3	HSV	70.93	34.50	39.49	77.32	41.38	32.02	55.03	51.53	33.49	63.49	33.35
		Average	56.96	51.82	59.60	80.49	54.43	49.01	58.50	65.53	45.59	44.17	34.62
		RGB	4.88 66.91	35.62 76.92	35.00 80.43	93.61 96.75	36.33 78.77	38.17 80.16	55.02 86.34	51.83 79.30	15.39 77.71	21.84	19.65 67.59
	12,0,4	Lab HSV	63.25	37.43	38.61	79.23	43.02	35.63	61.01	52.68	36.55	75.28 71.17	37.22
		Average	45.01	49.99	51.35	89.86	52.71	51.32	67.46	61.27	43.22	56.10	41.49
		RGB	0.00	23.38	15.65	82.96	22.71	32.94	65.32	35.83	2.59	42.91	27.48
	12,0,5	Lab	60.12	72.90	74.40	95.14	78.54	80.42	88.77	74.37	75.31	82.04	71.97
		HSV Average	55.48 38.53	39.45 45.24	36.74 42.26	78.21 85.44	43.58 48.28	38.42 50.60	66.16 73.42	52.51 54.24	38.74 38.88	78.64 67.86	40.28 46.58
		RGB	0.00	7.36	0.00	62.14	6.25	22.76	64.65	17.41	0.00	63.89	30.28
	12.0.6	Lab	53.54	68.23	68.20	88.83	76.23	78.35	87.57	69.00	71.48	88.51	74.95
	12,0,6	HSV	47.65	40.47	33.96	74.61	43.02	40.28	70.06	51.04	39.94	85.59	42.40
		Average	33.73	38.69	34.05	75.19	41.83	47.13	74.09	45.82	37.14	79.33	49.21
		RGB	0.00 47.43	0.00 63.25	0.00 62.37	41.10 82.80	0.00 72.91	9.29 75.14	53.48 83.90	0.00	0.00 67.23	84.44 94.37	27.48 76.58
	12,0,7	HSV	39.79	40.44	30.38	69.33	41.38	41.11	72.17	63.59 48.37	40.11	90.77	43.48
		Average	29.07	34.56	30.92	64.41	38.10	41.85	69.85	37.32	35.78	89.86	49.18
		RGB	89.99	15.62	65.03	10.08	26.07	4.36	0.00	35.17	23.66	0.00	0.00
	12,1,0	Lab	97.65	71.99	82.83	66.69	60.49	60.29	59.85	76.51	66.55	44.53	41.75
		HSV	85.39 91.01	27.17 38.26	43.26 63.71	59.75 45.51	36.75 41.10	22.83 29.16	37.44 32.43	47.54 53.07	25.85 38.69	38.99 27.84	23.17 21.64
		Average RGB	91.01 69.97	38.26 29.80	73.51	45.51 29.90	41.10 36.76	29.16 17.89	0.46	53.07	38.69	0.00	0.00
	12.1.1	Lab	90.07	77.39	87.86	74.06	65.90	66.59	67.32	82.30	72.07	51.96	48.17
	12,1,1	HSV	81.57	32.54	45.71	65.97	41.41	28.59	44.93	52.43	31.30	46.70	29.13
		Average	80.53	46.57	69.03	56.64	48.02	37.69	37.57	62.14	44.54	32.89	25.76
		RGB	49.95 82.57	39.75 80.82	69.32	49.55 81.35	42.24 70.71	29.01	19.31	64.23 85.73	32.08 76.28	0.00	0.00
	12,1,2	Lab HSV	82.57 75.66	80.82 37.37	89.43 47.07	81.35 71.32	70.71 45.32	72.25 33.90	74.53 52.27	85.73 56.42	76.28 36.21	59.38 54.32	54.41 34.66
		Average	69.39	52.65	68.61	67.41	52.75	45.05	48.70	68.79	48.19	37.90	29.69
		RGB	29.92	43.22	55.94	68.74	41.03	36.44	37.63	67.77	28.82	0.00	3.30
	12,1,3	Lab	75.73	81.75	86.65	87.71	73.87	76.47	80.93	85.86	78.50	66.08	59.67
		HSV	68.83	41.51	47.26	75.24	48.29	38.64	59.37	59.23	40.47	61.80	39.66
		Average RGB	58.16 9.90	55.49 39.10	63.28 39.16	77.23 85.49	54.40 33.49	50.52 38.83	59.31 54.77	70.95 59.85	49.26 21.07	42.63 15.97	34.21 13.93
	42	Lab	69.37	80.34	81.96	92.89	75.55	79.02	86.37	83.16	78.58	72.28	64.12
	12,1,4	HSV	61.57	44.81	46.26	76.97	50.15	42.67	66.10	60.60	43.92	69.05	43.97
		Average	46.95	54.75	55.79	85.12	53.07	53.51	69.08	67.87	47.86	52.44	40.67
		RGB	0.00	28.68	21.12	84.34	21.44	35.62	68.74	45.23	10.00	35.42	21.45
	12,1,5	Lab HSV	62.98 54.08	77.23 47.11	76.47 44.13	94.23 76.05	75.46 50.79	79.88 45.82	90.77 72.17	78.91 60.40	76.95 46.41	78.35 75.86	67.86 47.42
		Average	39.02	51.01	44.13	76.05 84.87	49.23	53.77	77.23	61.52	46.41	63.21	47.42
		RGB	0.00	14.24	2.52	67.12	6.59	27.54	73.84	27.88	0.00	54.37	24.91
	12,1,6	Lab	57.05	73.18	71.11	90.54	74.02	79.09	92.01	74.12	74.24	83.79	70.64
	12,1,0	HSV	46.46	48.28	41.01	72.73	50.15	47.94	77.08	58.65	47.79	81.73	49.84
		Average	34.50	45.23	38.21	76.80	43.59	51.52	80.98	53.55	40.68	73.29	48.46
		RGB Lab	0.00 51.11	0.00 68.63	0.00 65.49	47.86 85.24	0.00 71.26	15.98 76.58	65.83 89.35	9.36 68.99	0.00 70.44	71.79 88.65	23.76 72.21
	12,1,7	HSV	38.75	48.24	37.02	67.76	48.29	48.90	79.92	55.52	47.98	85.46	51.08
		Average	29.95	38.96	34.17	66.95	39.85	47.15	78.37	44.62	39.47	81.97	49.02

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
		RGB	90.49	15.36	64.53	9.46	25.17	3.92	0.00	35.05	23.73	0.00	0.00
	12,2,0	Lab HSV	97.86 78.41	71.84 32.45	82.65 50.34	66.47 57.05	60.30 41.99	60.09 27.71	59.63 39.43	76.34 53.18	66.38 31.12	44.30 36.96	41.54 27.69
		Average	78.41 88.92	32.45	65.84	44.32	41.99	30.57	39.43	54.86	40.41	27.09	23.08
		RGB	71.48	29.25	72.64	27.94	34.09	16.71	0.00	51.84	30.88	0.00	0.00
	12,2,1	Lab	90.90	77.45	86.98	72.82	64.41	65.66	66.55	82.45	71.55	50.78	46.84
	12,2,1	HSV	75.66	38.29	53.17	62.81	47.12	33.90	47.20	58.74	37.02	44.38	34.06
		Average	79.35	48.33	70.93	54.52	48.54	38.76	37.91	64.34	46.49	31.72	26.97
		RGB	52.47	39.51	69.66	46.05	38.25	27.44	17.57	65.99	33.92	0.00	0.00
	12,2,2	Lab HSV	83.77 70.93	81.74 43.60	88.66 54.75	79.45 67.63	68.45 51.48	70.90 39.68	73.58 54.90	86.98 63.41	75.72 42.43	57.66 51.63	52.39 40.05
		Average	69.06	54.95	71.02	64.38	52.73	46.01	48.68	72.13	50.69	36.43	30.81
		RGB	33.45	44.09	57.87	63.25	36.71	35.06	35.59	73.00	32.29	0.00	0.00
	12,2,3	Lab	77.53	83.67	86.80	84.80	70.93	74.80	79.68	88.52	78.21	63.55	56.85
	12,2,3	HSV	65.01	48.24	54.97	71.05	54.85	44.92	62.50	66.80	47.19	58.62	45.54
		Average	58.66	58.67	66.55	73.03	54.16	51.59	59.26	76.11	52.56	40.72	34.13
		RGB Lab	71.25	41.64 83.52	42.47 82.56	77.35 89.05	29.82 72.07	38.41 77.40	53.09 85.63	67.81 86.98	26.30 78.88	9.75 69.27	7.84 60.68
	12,2,4	HSV	58.41	52.00	53.80	72.52	57.00	49.44	69.92	68.51	51.11	65.21	50.36
		Average	48.03	59.05	59.61	79.64	52.96	55.08	69.55	74.44	52.09	48.07	39.63
		RGB	0.00	32.92	25.66	80.03	18.95	36.82	69.18	54.40	16.88	27.33	14.68
	12,2,5	Lab	65.44	81.28	77.85	90.67	71.92	78.59	90.84	83.40	78.03	74.33	63.70
	, , ,	HSV	51.41	54.66	51.35	71.74	57.74	53.04	76.99	68.26	53.98	71.10	54.29
		Average	38.95	56.29 19.96	51.62	80.81	49.54	56.15	79.00 80.09	68.69	49.63	57.59	44.22
		RGB Lab	0.00 59.67	77.70	8.21 72.74	68.27 89.14	5.46 70.77	30.62 78.20	94.43	37.89 78.76	5.06 75.70	43.98 79.10	18.18 66.08
	12,2,6	HSV	44.15	56.04	47.79	68.88	57.00	55.50	83.25	66.10	55.59	75.78	57.10
		Average	34.61	51.23	42.91	75.43	44.41	54.78	85.92	60.92	45.45	66.29	47.12
		RGB	0.00	4.47	0.00	51.66	0.00	20.88	76.77	20.18	0.00	58.54	17.93
	12,2,7	Lab	54.15	73.42	67.71	85.56	68.79	76.66	93.58	73.84	72.65	83.12	67.69
		HSV	36.72	55.99	43.33	64.44	54.85	56.63	87.42	62.35	55.81	78.45	58.55
		Average RGB	30.29 90.94	44.63 15.08	37.01 64.02	67.22 8.83	41.21 24.26	51.39 3.47	85.92 0.00	52.12 34.93	42.82 23.78	73.37 0.00	48.06 0.00
		Lab	90.94	71.83	82.54	66.23	59.93	60.01	59.55	76.41	66.42	44.07	41.29
	12,3,0	HSV	70.93	37.18	57.13	53.13	46.56	32.02	40.42	58.08	35.84	34.02	31.59
		Average	86.60	41.36	67.90	42.73	43.59	31.83	33.32	56.47	42.02	26.03	24.29
		RGB	72.81	28.61	71.54	25.94	31.42	15.47	0.00	51.84	31.42	0.00	0.00
	12,3,1	Lab	91.29	77.72	85.95	71.76	62.99	64.76	65.94	82.74	71.00	49.80	45.61
		HSV	68.83	43.50 49.94	60.43	58.35	52.17	38.64	48.33	64.39	42.22	41.07 30.29	38.36
		Average RGB	77.64 54.68	38.94	72.64 69.32	52.01 42.41	48.86 34.20	39.62 25.62	38.09 15.63	66.32 67.22	48.21 35.49	0.00	27.99 0.00
		Lab	84.65	82.47	87.49	77.43	66.06	69.48	72.52	88.08	75.06	55.86	50.29
	12,3,2	HSV	65.01	49.36	62.33	62.60	57.05	44.92	56.24	69.93	48.17	47.86	44.82
		Average	68.11	56.92	73.05	60.81	52.44	46.67	48.13	75.07	52.91	34.57	31.70
		RGB	36.55	44.24	58.91	57.53	32.07	33.10	33.01	77.66	35.33	0.00	0.00
	12,3,3	Lab	78.59	85.22	86.11	82.23	68.20	73.16	78.50	90.85	77.65	61.38	54.35
		HSV Average	59.96 58.36	54.58 61.35	62.59 69.20	65.51 68.42	60.90 53.72	50.71 52.32	64.12 58.54	74.16 80.89	53.51 55.49	54.27 38.55	50.84 35.06
		RGB	18.42	43.11	44.76	69.20	25.43	36.93	50.11	75.64	30.95	3.23	1.46
	42.2.4	Lab	72.82	86.10	82.56	85.42	68.80	75.46	83.96	90.54	78.59	66.17	57.38
	12,3,4	HSV	54.08	58.91	61.19	66.73	63.40	55.82	71.96	76.40	58.01	60.13	56.23
		Average	48.44	62.71	62.84	73.78	52.54	56.07	68.68	80.86	55.85	43.18	38.36
		RGB	0.29	35.88	29.07	72.61	15.36	36.46	66.51	63.16	23.09	18.83	7.33
	12,3,5	Lab HSV	67.09 47.65	84.50 62.06	78.21 58.30	86.86 66.09	68.48 64.27	76.75 59.99	89.18 79.73	87.20 76.07	78.22 61.39	70.66 65.15	59.96 60.75
		Average	38.34	60.81	55.19	75.19	49.37	57.73	78.47	75.47	54.23	51.55	42.68
		RGB	0.00	24.27	12.67	65.23	2.90	31.78	80.36	47.17	12.66	33.14	10.41
	12,3,6	Lab	61.64	81.41	73.56	86.11	67.33	76.66	93.29	82.76	76.44	74.54	61.81
	12,5,0	HSV	40.85	63.71	54.19	63.67	63.40	62.91	87.26	73.26	63.34	68.92	64.06
		Average	34.16	56.46	46.81	71.67	44.54	57.12	86.97	67.73	50.81	58.87	45.43
		RGB Lab	0.00 56.40	9.97 77.60	0.00 68.83	51.78 83.57	0.00 65.37	23.65 75.37	83.22 94.32	30.04 78.09	0.49 73.75	45.13 77.59	10.41 62.86
	12,3,7	HSV	33.80	63.66	49.17	59.80	60.90	64.26	93.69	68.64	63.61	70.96	65.80
		Average	30.07	50.41	39.33	65.05	42.09	54.43	90.41	58.92	45.95	64.56	46.36
		RGB	91.30	14.80	63.48	8.20	23.36	3.02	0.00	34.79	23.82	0.00	0.00
	12,4,0	Lab	98.05	71.82	82.23	65.99	59.66	59.71	59.34	76.34	66.15	43.84	40.99
		HSV Average	63.25 84.20	41.20 42.61	63.44 69.72	48.29 40.83	50.27 44.43	35.63 32.79	40.35 33.23	61.93 57.69	39.88 43.28	30.29 24.71	34.75 25.25
		RGB	73.91	27.88	70.23	23.89	28.75	14.15	0.00	51.68	31.85	0.00	0.00
	12,4,1	Lab	91.63	77.67	85.04	70.72	61.78	63.90	65.24	82.69	70.41	48.82	44.51
	12,7,1	HSV	61.57	48.01	67.38	52.97	56.36	42.67	48.26	69.02	46.74	36.93	41.89
		Average	75.70	51.19	74.22	49.19	48.96	40.24	37.83	67.80	49.67	28.58	28.80
		RGB Lab	56.52 85.25	38.04 82.71	68.33 86.37	38.65 75.72	30.09 64.18	23.58 68.20	13.50 71.44	67.85 88.50	36.77 74.31	0.00 54.32	0.00 48.58
	12,4,2	HSV	58.41	54.45	69.70	56.68	61.76	49.44	56.15	75.58	53.25	43.22	48.79
		Average	66.73	58.40	74.80	57.02	52.01	47.07	47.03	77.31	54.78	32.51	32.46
		RGB	39.13	43.68	58.98	51.65	27.17	30.61	29.95	81.29	37.86	0.00	0.00
	12,4,3	Lab	79.32	86.37	84.93	79.59	65.45	71.35	77.03	92.84	76.77	59.14	51.82
		HSV	54.08	60.33	70.03	59.17	66.15	55.82	64.01	81.04	59.25	49.05	55.34
		Average RGB	57.51 21.74	63.46 43.44	71.31 45.91	63.47 61.05	52.92 20.45	52.59 34.46	57.00 46.06	85.06 83.16	57.96 34.91	36.06 0.00	35.72 0.00
		Lab	73.63	87.83	81.85	82.20	65.76	73.60	82.20	93.57	78.02	63.45	54.49
	12,4,4	HSV	48.87	65.38	68.30	60.19	69.07	61.60	71.82	84.22	64.48	54.23	61.36
		Average	48.08	65.55	65.35	67.81	51.76	56.55	66.69	86.99	59.14	39.23	38.62
		RGB	4.35	37.37	31.20	63.93	10.79	34.57	61.38	71.12	28.43	10.03	0.00
	12,4,5	Lab	68.17	87.09	77.75	83.16	65.11	74.46	86.62	90.45	77.57	67.16	56.37
		HSV Average	43.03 38.52	69.18 64.55	64.82 57.93	59.65 68.92	70.11 48.67	66.49 58.51	79.53 75.84	83.73 81.77	68.55 58.18	58.53 45.24	66.56 40.98
		RGB	0.00	26.92	15.72	58.90	0.00	30.93	74.46	55.26	19.26	22.02	1.83
	12.4.6	Lab	62.90	84.13	73.55	82.83	64.09	74.63	90.28	85.79	76.26	70.56	58.04
	12,4,6	HSV	36.72	71.24	60.04	57.60	69.07	70.03	86.96	79.83	70.97	61.65	70.52
		Average	33.21	60.76	49.77	66.44	44.39	58.53	83.90	73.62	55.50	51.41	43.46
		RGB	0.00	13.76	0.00	48.04	0.00	24.03	79.94	38.71	8.44	31.20	1.26
	12,4,7	Lab HSV	57.89 30.08	80.59 71.17	69.11 54.36	80.71 54.24	62.06 66.15	73.48 71.73	91.44 93.09	81.21 74.01	73.90 71.31	72.79 63.28	58.60 72.67
		Average	29.33	55.17	41.16	61.00	42.73	56.41	88.16	64.64	51.22	55.76	44.18
		RGB	91.59	14.50	62.94	7.56	22.45	2.56	0.00	34.64	23.86	0.00	0.00
	1250	Lab	97.88	71.95	81.99	65.74	59.22	59.53	59.26	76.49	66.09	43.60	40.66

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
	12,5,0	HSV	55.48 81.65	44.38 43.61	68.99 71.31	42.74 38.68	52.92 44.86	38.42 33.50	39.24 32.83	64.39 58.51	43.08 44.34	25.90 23.17	37.06 25.91
		Average RGB	74.78	27.05	68.74	21.80	26.07	12.77	0.00	51.38	32.17	0.00	0.00
	12,5,1	Lab	91.50	77.77	84.22	69.85	60.63	63.25	64.78	82.84	70.04	48.04	43.56
	,_,_	HSV Average	54.08 73.45	51.63 52.15	73.75 75.57	46.93 46.19	59.41 48.70	45.82 40.61	46.98 37.25	72.10 68.77	50.38 50.87	32.10 26.71	44.50 29.35
		RGB	57.96	36.83	66.75	34.80	25.93	21.33	11.18	67.85	37.75	0.00	0.00
	12,5,2	Lab	85.33	82.92	85.10	74.12	62.32	67.05	70.54	88.88	73.66	52.93	46.98
		HSV Average	51.41 64.90	58.63 59.46	76.70 76.19	50.19 53.04	65.28 51.18	53.04 47.14	54.64 45.46	79.63 78.79	57.45 56.29	37.90 30.28	51.77 32.92
		RGB	41.15	42.42	58.08	45.67	22.07	27.66	26.47	83.23	39.83	0.00	0.00
	12,5,3	Lab	79.50	86.96	83.64	77.47	63.20	69.85	75.79	94.05	75.93	57.35	49.81
		HSV Average	47.65 56.10	65.21 64.86	77.13 72.95	52.34 58.49	70.18 51.82	59.99 52.50	62.19 54.82	86.66 87.98	64.15 59.97	43.18 33.51	58.79 36.20
		RGB	24.33	42.59	45.84	52.90	14.98	31.11	41.15	89.69	38.05	0.00	0.00
	12,5,4	Lab	74.01	88.97	80.79	79.70	63.35	71.77	80.49	95.87	76.98	61.28	52.13
		HSV Average	43.03 47.12	71.10 67.56	74.91 67.18	53.22 61.94	73.54 50.63	66.49 56.46	69.53 63.73	91.79 92.45	70.23 61.76	47.78 36.35	65.40 39.18
		RGB	7.51	37.30	31.93	54.73	5.39	31.28	54.62	77.43	32.72	1.00	0.00
	12,5,5	Lab HSV	68.58	88.42	76.93	80.28	62.44	72.56	84.40 76.48	92.41 90.88	76.74	64.48 51.51	53.65
		Average	37.73 37.94	75.78 67.17	70.63 59.83	52.76 62.59	74.77 47.53	72.22 58.69	71.83	86.91	75.22 61.56	39.00	71.33 41.66
		RGB	0.00	27.72	17.21	50.19	0.00	27.98	65.04	61.58	24.76	10.30	0.00
	12,5,6	Lab HSV	63.51 31.91	85.78 78.46	72.92 65.04	79.64 50.99	61.07 73.54	72.50 76.62	87.17 82.55	87.73 84.99	75.53 78.37	67.09 54.14	54.71 76.06
		Average	31.81	63.99	51.72	60.28	44.87	59.03	78.25	78.10	59.56	43.84	43.59
		RGB	0.00	15.34	2.03	41.37	0.00	21.95	70.09	44.95	14.63	17.69	0.00
	12,5,7	Lab HSV	58.37 25.70	82.13 78.37	68.45 58.68	77.70 48.06	58.97 70.18	71.29 78.84	88.11 86.51	82.80 77.78	73.17 78.83	68.98 55.50	55.05 78.77
		Average	28.02	78.37 58.61	43.05	48.06 55.71	43.05	78.84 57.36	81.57	68.51	78.83 55.54	47.39	44.61
		RGB	91.79	14.20	62.38	6.92	21.55	2.09	0.00	34.47	23.88	0.00	0.00
	12,6,0	Lab HSV	97.88 47.65	71.95 46.55	81.99 73.31	65.74 36.68	59.22 54.33	59.53 40.28	59.26 37.13	76.49 65.18	66.09 45.31	43.60 20.95	40.66 38.43
		Average	79.11	44.23	72.56	36.45	45.03	33.96	32.13	58.72	45.09	21.52	26.36
		RGB	75.37	26.12	67.09	19.67	23.39	11.33	0.00	50.92	32.39	0.00	0.00
	12,6,1	Lab HSV	91.21 46.46	77.80 54.15	83.35 79.02	68.96 40.44	59.47 61.05	62.57 47.94	64.28 44.57	82.90 73.11	69.63 52.96	47.24 26.73	42.60 46.05
		Average	71.01	52.69	76.49	43.03	47.97	40.61	36.28	68.98	51.66	24.66	29.55
		RGB	58.95	35.32	64.66	30.86	21.73	18.90	8.70	67.22	38.42	0.00	0.00
	12,6,2	Lab HSV	85.28 44.15	83.02 61.60	83.93 82.85	72.85 43.33	60.88 67.21	65.99 55.50	69.72 51.85	88.95 81.04	72.91 60.48	51.82 32.07	45.67 53.56
		Average	62.79	59.98	77.15	49.02	49.94	46.80	43.43	79.07	57.27	27.96	33.08
		RGB	42.53	40.51	56.27	39.61	16.80	24.28	22.63	82.90	41.18	0.00	0.00
	12,6,3	Lab HSV	79.59 40.85	87.11 68.80	82.56 83.44	75.79 45.21	61.49 72.45	68.59 62.91	74.65 58.89	94.41 88.92	75.11 67.81	55.89 36.86	48.21 60.90
		Average	54.32	65.47	74.09	53.54	50.25	51.93	52.06	88.74	61.37	30.92	36.37
		RGB	26.11	40.63	44.56	44.75	9.11	27.00	35.58	92.13	40.24	0.00	0.00
	12,6,4	Lab HSV	74.23 36.72	89.29 75.54	79.92 80.48	77.67 45.97	61.44 76.13	70.36 70.03	78.99 65.52	97.23 96.51	76.20 74.75	59.45 40.97	50.26 67.95
		Average	45.69	68.49	68.32	56.13	48.89	55.80	60.03	95.29	63.73	33.47	39.40
		RGB	9.76	35.56	31.14	44.82	0.00	26.54	46.46	80.46	35.84	0.00 62.40	0.00
	12,6,5	Lab HSV	68.66 31.91	89.01 81.30	76.02 75.22	78.03 45.57	60.33 77.49	70.95 76.62	82.55 71.47	93.36 94.71	75.85 80.89	44.24	51.54 74.46
		Average	36.78	68.62	60.79	56.14	45.94	58.04	66.83	89.51	64.20	35.55	42.00
		RGB Lab	0.00 63.75	26.55 86.65	16.95 72.15	40.62 77.37	0.00 58.90	23.39 70.69	54.68 84.82	64.61 88.65	28.47 74.55	0.00 64.66	0.00 52.31
	12,6,6	HSV	26.56	84.93	68.80	44.03	76.13	82.07	76.23	86.96	85.20	46.51	79.92
		Average	30.10	66.04	52.64	54.01	45.01	58.72	71.91	80.07	62.74	37.06	44.07
		RGB Lab	0.00 58.59	14.76 82.76	2.28 67.90	32.58 75.64	0.00 56.92	17.66 69.79	58.10 85.80	48.29 83.52	18.99 72.55	4.15 66.44	0.00 52.72
	12,6,7	HSV	20.76	84.80	61.81	41.45	72.45	85.07	78.96	79.06	85.88	47.67	83.24
		Average	26.45	60.77	43.99	49.89	43.12	57.51	74.29	70.29	59.14	39.42	45.32
		RGB Lab	91.89 97.90	13.89 71.93	61.80 81.68	6.28 65.50	20.64 58.94	1.62 59.23	0.00 59.05	34.30 76.42	23.89 65.81	0.00 43.37	0.00 40.36
	12,7,0	HSV	39.79	47.60	75.71	30.25	54.37	41.11	34.12	64.17	46.44	15.54	38.78
		Average	76.53	44.47	73.06	34.01	44.65	33.99	31.06	58.30	45.38	19.64	26.38
	42.7.1	RGB Lab	75.67 91.25	25.11 77.64	65.31 82.54	17.51 68.19	20.71 58.65	9.83 61.79	0.00 63.63	50.33 82.61	32.50 68.95	0.00 46.51	0.00 41.77
	12,7,1	HSV	38.75	55.37	82.18	33.64	61.10	48.90	41.19	71.82	54.28	20.93	46.45
		Average RGB	68.56 59.45	52.71 33.54	76.67 62.14	39.78 26.85	46.82 17.50	40.17 16.28	34.94 6.06	68.25 65.99	51.91 38.75	22.48 0.00	29.41 0.00
	12,7,2	Lab	85.10	82.96	83.36	72.16	60.07	65.53	69.33	88.94	72.65	51.23	45.02
	14,1,4	HSV	36.72	63.06	86.90	36.22	67.27	56.63	47.99	79.25	62.06	25.85	54.03
		Average RGB	60.42 43.23	59.85 38.00	77.47 53.66	45.08 33.50	48.28 11.38	46.15 20.54	41.13 18.48	78.06 80.39	57.82 41.87	25.69 0.00	33.02 0.00
	12,7,3	Lab	79.56	87.12	81.82	74.77	60.44	67.78	73.93	94.40	74.54	54.99	47.23
	12,1,3	HSV	33.80	70.63	87.68	37.88	72.52	64.26	54.42	86.08	69.77	30.21	61.46
		Average RGB	52.20 27.04	65.25 37.47	74.39 41.98	48.72 36.15	48.11 2.55	50.86 21.97	48.94 29.16	86.96 87.38	62.06 41.39	28.40 0.00	36.23 0.00
	12,7,4	Lab	74.13	89.33	79.22	76.46	60.26	69.51	78.15	97.51	75.67	58.43	49.17
	12,7,7	HSV	30.08	77.91	83.92	38.55	76.21	71.73 54.41	60.30	90.88	77.30	33.90	68.63
		Average RGB	43.75 10.82	68.24 32.41	68.37 28.94	50.39 35.20	46.34 0.00	20.97	55.87 38.03	91.92 78.48	64.79 37.34	30.78 0.00	39.27 0.00
	12,7,5	Lab	68.70	89.20	75.55	76.99	59.36	70.14	81.62	93.64	75.34	61.41	50.52
		HSV Average	25.70 35.07	84.54 68.72	77.83 60.78	38.20 50.13	77.58 45.65	78.84 56.65	65.35 61.67	90.05 87.39	84.42 65.70	36.80 32.74	75.33 41.95
		RGB	0.00	23.57	15.05	30.37	0.00	17.37	43.76	63.87	30.36	0.00	0.00
	12,7,6	Lab	63.69	86.73	71.67	76.21	57.81	69.86	83.72	88.78	74.08	63.51	51.19
		HSV Average	20.76 28.15	89.20 66.50	70.83 52.52	36.84 47.81	76.21 44.67	85.07 57.43	69.15 65.54	84.47 79.04	90.17 64.87	38.80 34.10	81.03 44.07
		RGB	0.00	12.06	0.66	22.40	0.00	11.47	45.36	48.17	21.22	0.00	0.00
	12,7,7	Lab	58.67	83.08	67.46	74.44	55.74	68.75	84.41	83.80	71.96	65.00	51.33
		HSV Average	15.37 24.68	89.02 61.39	63.44 43.85	34.54 43.79	72.52 42.75	88.86 56.36	71.20 66.99	77.42 69.80	91.23 61.47	39.81 34.94	84.59 45.31
		RGB	89.43	15.88	65.52	10.70	26.97	4.79	0.00	35.27	23.59	0.00	0.00
	13,0,0	Lab	97.46	72.00	83.14	66.92	60.77	60.58	60.05	76.57	66.82	44.75	42.04
		HSV Average	92.82 93.24	21.01 36.29	36.43 61.70	62.49 46.70	31.74 39.83	17.79 27.72	34.65 31.57	41.19 51.01	20.36 36.92	40.34 28.36	18.61 20.22

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
		RGB Lab	68.52 89.13	29.86 76.68	74.38 88.83	31.61 75.30	39.48 67.79	19.05 67.56	1.36 67.84	51.08 81.45	29.59 72.48	0.00 53.13	0.00 49.72
	13,0,1	HSV	86.66	25.93	38.61	69.25	36.04	23.18	41.77	45.51	25.40	48.24	24.21
		Average	81.44	44.16	67.27	58.72	47.77	36.60	36.99	59.35	42.49	33.79	24.64
		RGB	47.59	38.96	69.02	52.50	46.41	30.57	20.48	61.47	30.28	0.00	0.00
	13,0,2	Lab	81.19	79.19	90.09	83.19	73.32	73.67	75.18	83.79	76.77	61.05	56.66
		HSV	79.25	30.30	39.81	75.31	39.60	28.09	48.65	48.95	29.90	56.12	29.36
		Average RGB	69.35 26.66	49.48 40.86	66.31 54.17	70.34 73.34	53.11 45.60	44.11 37.80	48.10 38.60	64.74 61.73	45.65 25.50	39.06 0.24	28.67 8.43
		Lab	73.95	78.80	86.33	90.40	77.38	78.02	81.19	82.43	78.45	68.29	62.73
	13,0,3	HSV	71.55	33.99	39.98	79.99	42.27	32.42	55.18	51.33	33.75	63.98	33.95
		Average	57.39	51.22	60.16	81.24	55.08	49.42	58.33	65.16	45.90	44.17	35.03
		RGB	5.72	34.93	36.14	93.38	37.34	39.19	54.51	51.68	16.17	21.19	20.35
	13,0,4	Lab	66.93	76.31	80.73	97.08	79.39	80.63	86.06	78.83	78.00	75.30	68.09
		HSV Average	63.74 45.46	36.90 49.38	39.10 51.99	82.18 90.88	43.94 53.55	36.06 51.96	61.18 67.25	52.48 61.00	36.84 43.67	71.79 56.09	37.86 42.10
		RGB	0.00	23.03	16.70	83.81	23.74	34.06	65.09	35.97	3.40	42.29	28.42
	12.05	Lab	60.13	72.53	74.54	95.33	79.00	80.71	88.48	74.08	75.43	82.07	72.38
	13,0,5	HSV	55.88	38.90	37.21	81.00	44.50	38.87	66.35	52.31	39.03	79.49	40.96
		Average	38.67	44.82	42.82	86.71	49.08	51.21	73.31	54.12	39.29	67.95	47.25
		RGB	0.00	7.24	0.00	63.10	7.51	24.17	64.86	17.77	0.00	63.16	31.73
	13,0,6	Lab HSV	53.79 47.99	67.96 39.91	68.61 34.41	89.17 76.96	76.89 43.94	78.89 40.74	87.38 70.28	68.89 50.84	71.86 40.24	88.36 86.88	75.52 43.10
		Average	33.93	38.37	34.34	76.41	42.78	47.93	74.17	45.83	37.37	79.47	50.12
		RGB	0.00	0.00	0.00	42.19	0.00	10.91	54.09	0.00	0.00	83.73	29.38
	13,0,7	Lab	47.44	62.98	62.48	82.86	73.28	75.37	83.71	63.40	67.34	94.51	77.07
	13,0,7	HSV	40.09	39.88	30.81	71.24	42.27	41.57	72.42	48.19	40.41	92.95	44.19
		Average	29.18	34.29	31.10	65.43	38.52	42.62	70.07	37.19	35.91	90.40	50.21
		RGB Lab	90.23 97.68	15.25 71.84	65.10 82.95	9.88 66.70	26.05 60.57	4.37 60.38	0.00 59.84	34.86 76.41	23.69 66.65	0.00 44.53	0.00 41.83
	13,1,0	HSV	86.66	26.71	43.78	61.19	37.57	23.18	37.55	47.35	26.09	39.29	23.69
		Average	91.52	37.93	63.94	45.93	41.40	29.31	32.46	52.88	38.81	27.94	21.84
		RGB	70.89	28.31	74.49	29.14	36.95	18.13	0.00	50.46	30.58	0.00	0.00
	13,1,1	Lab	90.19	76.69	88.31	74.12	66.39	66.81	67.13	81.63	72.18	51.99	48.51
	1	HSV	82.56	32.05	46.26	67.69	42.31	28.98	45.05	52.23	31.56	47.03	29.69
		Average RGB	81.21 51.31	45.68 37.67	69.69 71.43	56.99 48.50	48.55 43.00	37.97 29.74	37.39 18.29	61.44 62.51	44.77 32.92	33.01 0.00	26.07 0.00
		Lab	82.91	79.79	90.25	81.26	71.26	72.51	74.10	84.77	76.48	59.20	54.73
	13,1,2	HSV	76.40	36.84	47.64	73.38	46.27	34.32	52.41	56.20	36.49	54.71	35.28
		Average	70.21	51.43	69.77	67.72	53.51	45.52	48.26	67.82	48.63	37.97	30.00
		RGB	31.70	40.97	58.62	67.55	42.61	37.97	36.38	66.26	30.28	0.00	4.16
	13,1,3	Lab	76.08	80.57	87.65	87.79	74.72	77.04	80.44	84.89	78.99	65.93	60.21
		HSV Average	69.41 59.06	40.94 54.16	47.82 64.70	77.66 77.67	49.30 55.54	39.09 51.37	59.53 58.79	58.99 70.05	40.77 50.01	62.27 42.73	40.33 34.90
		RGB	12.29	37.01	42.49	84.89	36.10	41.62	53.31	59.25	23.35	14.26	15.67
	12.1.4	Lab	69.72	79.16	82.95	93.40	76.69	79.96	85.83	82.33	79.33	72.20	64.94
	13,1,4	HSV	62.03	44.21	46.81	79.60	51.20	43.15	66.29	60.36	44.24	69.63	44.69
		Average	48.01	53.46	57.42	85.96	54.66	54.91	68.48	67.31	48.98	52.03	41.76
		RGB	0.00	27.37	24.72 77.42	87.04	24.69	39.40	67.73	45.63	12.82 77.92	33.55	24.23
	13,1,5	Lab HSV	63.34 54.47	76.14 46.48	44.67	95.45 78.56	76.84 51.86	81.20 46.33	90.21 72.42	78.26 60.16	46.74	78.37 76.61	69.01 48.19
		Average	39.27	50.00	48.94	87.02	51.13	55.64	76.78	61.35	45.83	62.84	47.14
		RGB	0.00	13.67	6.64	70.45	10.58	32.32	74.37	29.07	0.13	52.34	29.15
	13,1,6	Lab	57.44	72.13	72.04	91.64	75.70	80.59	91.35	73.51	75.21	84.02	72.23
	.,,,	HSV	46.79	47.64	41.51	74.91	51.20	48.47	77.37	58.42	48.13	82.73	50.65
		Average RGB	34.74 0.00	44.48 0.00	40.06 0.00	79.00 51.39	45.83 0.00	53.79 21.19	81.03 68.05	53.66 11.12	41.16 0.00	73.03 70.24	50.67 29.14
		Lab	51.54	67.65	66.41	86.23	73.16	78.15	88.92	68.44	71.40	89.35	74.28
	13,1,7	HSV	39.04	47.60	37.50	69.58	49.30	49.44	80.26	55.30	48.32	86.73	51.90
		Average	30.19	38.42	34.64	69.07	40.82	49.59	79.07	44.95	39.91	82.11	51.77
		RGB	90.99	14.61	64.65	9.07	25.12	3.94	0.00	34.45	23.78	0.00	0.00
	13,2,0	Lab	97.90	71.69	82.77	66.47	60.38	60.18	59.62	76.24	66.48	44.30	41.62
		HSV Average	79.25 89.38	31.96 39.42	50.94 66.12	58.39 44.64	42.89 42.80	28.09 30.74	39.54 33.05	52.98 54.56	31.38 40.55	37.24 27.18	28.25 23.29
		RGB	72.93	27.05	74.05	26.83	34.35	17.06	0.00	49.99	31.37	0.00	0.00
	13,2,1	Lab	91.08	76.69	87.66	72.90	64.88	66.06	66.44	81.83	71.92	50.81	47.25
	10,2,1	HSV	76.40	37.75	53.80	64.38	48.11	34.32	47.33	58.51	37.31	44.70	34.67
		Average RGB	80.13 54.82	47.16 36.05	71.84 73.22	54.70 44.38	49.11 39.40	39.15 28.59	37.92 15.89	63.44	46.87 35.33	31.84	27.31
		Lab	54.82 84.24	80.31	73.22 89.97	44.38 79.47	39.40 69.21	28.59 71.46	73.17	62.96 85.70	76.25	0.00 57.53	0.00 52.93
	13,2,2	HSV	71.55	43.02	55.41	69.45	52.56	40.14	55.05	63.15	42.74	52.00	40.72
		Average	70.20	53.13	72.87	64.43	53.73	46.73	48.04	70.60	51.44	36.51	31.22
		RGB	36.68	40.04	62.78	61.35	39.21	37.62	33.41	69.76	34.94	0.00	0.00
	13,2,3	Lab	78.02	81.81	88.55	85.07	72.11	75.89	79.28	86.98	79.28	63.49	57.76
	l	HSV Average	65.52 60.07	47.60 56.48	55.64 68.99	73.09 73.17	56.01 55.78	45.42 52.98	62.68 58.46	66.52 74.42	47.52 53.91	59.06 40.85	46.28 34.68
		RGB	18.49	37.98	48.21	76.38	33.77	42.89	50.66	66.35	30.24	7.06	10.43
	13,2,4	Lab	72.05	81.48	84.57	89.82	73.79	79.03	84.99	85.59	80.39	69.16	61.93
	13,2,7	HSV	58.84	51.31	54.45	74.68	58.22	49.99	70.15	68.21	51.47	65.72	51.17
		Average	49.79	56.92	62.41	80.29	55.26	57.30	68.60	73.38	54.03	47.32	41.18
		RGB Lab	0.26 66.32	30.39 79.30	32.09 79.90	82.92 92.55	24.17 74.26	43.31 80.94	67.12 90.19	54.94 82.26	21.98 79.97	24.38 74.49	18.91 65.58
	13,2,5	HSV	51.77	53.94	79.90 51.96	73.83	74.26 58.99	53.63	77.28	67.96	54.36	74.49	55.17
	L	Average	39.45	54.54	54.65	83.10	52.47	59.29	78.20	68.39	52.11	56.87	46.56
		RGB	0.00	18.76	15.26	73.55	11.75	38.74	80.52	39.89	11.12	41.07	24.39
	13,2,6	Lab	60.63	75.89	74.82	91.64	73.66	81.17	94.05	77.85	77.91	79.68	68.68
		HSV	44.47	55.28	48.36	70.77	58.22	56.12	83.65	65.82	55.99	76.52	58.04
		Average RGB	35.03 0.00	49.98 4.55	46.15 0.00	78.65 57.75	47.88 0.00	58.68 30.12	86.07 81.73	61.18 23.28	48.34 0.00	65.76 56.34	50.37 26.15
		Lab	55.32	72.25	69.81	87.89	71.72	79.73	94.15	73.49	74.93	83.96	70.51
	13,2,7	HSV	37.00	55.24	43.85	66.08	56.01	57.26	87.96	62.09	56.22	79.29	59.53
		Average	30.78	44.01	37.89	70.57	42.58	55.70	87.95	52.95	43.72	73.20	52.06
		RGB	91.70	13.97	64.19	8.24	24.19	3.51	0.00	34.02	23.85	0.00	0.00
	13,3,0	Lab	97.96	71.69	82.66	66.23	60.01	60.10	59.53	76.31	66.52	44.07	41.37
		HSV Average	71.55 87.07	36.65 40.77	57.83 68.23	54.37 42.95	47.54 43.92	32.42 32.01	40.53 33.36	57.85 56.06	36.12 42.17	34.29 26.12	32.18 24.52
		RGB	74.81	25.69	73.31	24.49	31.73	15.91	0.00	49.37	32.07	0.00	0.00
	13 3 1	Lab	92.00	76.37	86.81	71.71	63.69	65.11	65.50	81.52	71.25	49.66	46.08
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Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
	-,-,	HSV Average	69.41 78.74	42.91 48.32	61.19 73.77	59.74 51.98	53.27 49.56	39.09 40.04	48.46 37.99	64.13 65.00	42.53 48.62	41.37 30.34	39.02 28.36
		RGB	58.09	34.13	74.23	40.17	35.66	27.16	13.29	62.80	37.46	0.00	0.00
	13,3,2	Lab	85.47	80.34	89.50	77.68	67.39	70.38	72.04	86.07	75.86	55.85	51.25
		HSV Average	65.52 69.69	48.70 54.39	63.12 75.62	64.15 60.67	58.27 53.77	45.42 47.65	56.39 47.24	69.61 72.83	48.51 53.94	48.20 34.68	45.55 32.26
		RGB	41.30	38.38	66.11	55.01	35.28	36.56	29.94	72.08	39.21	0.00	0.00
	13,3,3	Lab HSV	79.79 60.41	82.58 53.85	88.77 63.39	82.36 67.20	69.59 62.24	74.42 51.26	77.72 64.30	88.54 73.79	79.04 53.89	61.02 54.66	55.30 51.66
		Average	60.50	58.27	72.76	68.19	55.71	54.08	57.32	78.14	57.38	38.56	35.65
		RGB	24.23	37.77	53.07	67.86	30.46	42.90	46.78	72.64	36.73	0.00	4.73
	13,3,4	Lab HSV	73.96 54.47	83.04 58.11	85.56 61.96	86.59 68.49	71.11 64.84	77.82 56.44	83.53 72.20	88.25 75.99	80.93 58.44	66.30 60.58	59.21 57.16
		Average	50.89	59.64	66.86	74.31	55.47	59.06	67.50	78.96	58.70	42.29	40.36
		RGB Lab	7.32 68.63	31.90 81.77	38.54 81.44	74.82 89.16	22.24 71.57	45.48 79.89	63.43 88.81	63.63 85.68	30.79 81.10	14.94 71.01	12.67 62.38
	13,3,5	HSV	47.99	61.19	59.01	67.81	65.75	60.68	80.06	75.67	61.86	65.66	61.78
		Average	41.31 0.00	58.29 22.13	59.66 23.16	77.26 71.36	53.19 11.42	62.02 43.53	77.43 79.86	74.99 50.07	57.92 21.99	50.54 29.35	45.61 18.26
	13,3,6	RGB Lab	63.46	79.14	77.06	89.25	70.97	43.53 80.87	93.91	82.00	80.16	75.18	64.94
	13,3,0	HSV	41.15	62.80	54.84	65.27	64.84	63.66	87.80	72.90	63.82	69.50	65.19
		Average RGB	34.87 0.00	54.69 9.73	51.69 7.06	75.30 59.87	49.08 0.00	62.69 37.11	87.19 93.27	68.32 34.61	55.33 10.90	58.01 42.34	49.46 20.72
	13,3,7	Lab	58.34	75.84	72.36	87.21	69.55	80.27	98.12	77.78	77.78	78.99	66.83
		HSV Average	34.06 30.80	62.75 49.44	49.75 43.06	61.24 69.44	62.24 43.93	65.04 60.81	94.85 95.41	68.33 60.24	64.10 50.93	71.58 64.30	66.99 51.51
		RGB	92.35	13.32	63.70	7.42	23.26	3.06	0.00	33.58	23.92	0.00	0.00
	13,4,0	Lab	98.12	71.68	82.35	66.00	59.74	59.81	59.33	76.24	66.25	43.84	41.08
		HSV Average	63.74 84.73	40.64 41.88	64.26 70.11	49.40 40.94	51.33 44.78	36.06 32.97	40.46 33.26	61.68 57.17	40.17 43.45	30.55 24.80	35.37 25.48
		RGB	76.73	23.90	72.49	21.93	29.12	14.73	0.00	48.28	32.72	0.00	0.00
	13,4,1	Lab HSV	92.50 62.03	76.18 47.37	85.91 68.30	70.44 54.19	62.17 57.57	64.27 43.15	64.72 48.39	81.47 68.71	70.85 47.07	48.45 37.21	44.80 42.58
		Average	77.09	49.15	75.57	48.85	49.62	40.72	37.70	66.15	50.21	28.55	29.13
		RGB Lab	61.04 86.43	31.92 80.23	74.38 88.67	35.87 75.81	31.78 65.41	25.45 69.25	10.52 70.88	62.05 86.29	39.31 75.42	0.00 54.11	0.00 49.50
	13,4,2	HSV	58.84	53.72	70.70	58.02	63.14	49.99	56.30	75.19	53.63	43.53	49.58
		Average	68.77	55.29	77.92	56.57	53.44	48.23	45.90	74.51	56.12	32.55	33.03
		RGB Lab	45.26 80.90	36.36 83.03	68.00 88.27	48.73 80.04	30.80 67.29	34.69 73.06	26.19 76.37	73.23 89.66	42.85 78.65	0.00 58.95	0.00 53.18
	13,4,3	HSV	54.47	59.50	71.04	60.59	67.71	56.44	64.19	80.54	59.69	49.40	56.24
		Average RGB	60.21 29.62	59.63 36.16	75.77 57.11	63.12 59.24	55.27 26.46	54.73 41.88	55.59 41.75	81.14 77.16	60.40 42.93	36.11 0.00	36.47 0.00
	13,4,4	Lab	75.70	83.85	86.12	83.52	68.60	76.40	81.57	90.25	81.04	63.45	56.60
	13,4,4	HSV	49.22	64.43	69.25	61.65	70.79	62.32	72.06	83.62	64.99	54.62	62.41
		Average RGB	51.51 13.67	61.48 31.81	70.83 43.78	68.14 65.44	55.28 18.97	60.20 45.72	65.13 57.46	83.68 71.12	62.99 39.09	39.36 5.29	39.67 5.70
	13,4,5	Lab	70.46	83.22	82.45	85.82	68.95	78.74	86.74	88.41	81.95	67.71	59.51
		HSV Average	43.34 42.49	68.12 61.05	65.67 63.97	61.09 70.79	71.90 53.27	67.32 63.92	79.86 74.69	83.14 80.89	69.12 63.39	58.96 43.99	67.78 44.33
		RGB	0.00	23.71	29.47	64.64	9.18	45.59	73.02	59.01	32.09	17.59	10.68
	13,4,6	Lab HSV	65.44 37.00	81.23 70.10	78.30 60.79	86.32 58.97	68.39 70.79	79.89 70.96	91.57 87.48	85.07 79.35	81.43 71.59	71.44 62.11	61.76 71.91
		Average	34.15	58.35	56.19	69.98	49.46	65.48	84.02	74.48	61.70	50.38	48.12
		RGB	0.00	12.95	14.76	56.92	0.00	41.43	87.11	44.89	23.00	27.85	12.94
	13,4,7	Lab HSV	60.60 30.34	78.55 70.04	73.90 55.02	84.99 55.50	66.95 67.71	79.60 72.72	95.62 94.13	81.27 73.64	79.54 71.94	74.49 63.76	63.18 74.18
		Average	30.31	53.85	47.89	65.81	44.89	64.58	92.29	66.60	58.16	55.37	50.10
		RGB Lab	92.68 98.31	13.03 71.52	63.15 82.16	6.79 65.77	22.36 59.55	2.60 59.61	0.00 59.11	33.44 76.08	23.95 66.07	0.00 43.61	0.00 40.87
	13,5,0	HSV	55.88	43.78	69.97	43.75	54.04	38.87	39.35	64.13	43.40	26.14	37.70
		Average RGB	82.29 78.19	42.78 22.39	71.76 71.23	38.77 19.52	45.31 26.47	33.69 13.43	32.82 0.00	57.88 47.37	44.47 33.18	23.25 0.00	26.19 0.00
	13,5,1	Lab	92.63	76.08	85.25	69.65	61.22	63.70	64.23	81.42	70.52	47.71	43.98
	13,3,1	HSV	54.47	50.95	74.91	48.02	60.71	46.33	47.10	71.76	50.74	32.36	45.22
		Average RGB	75.09 63.60	49.80 29.46	77.13 73.66	45.73 31.52	49.47 27.79	41.15 23.49	37.11 7.59	66.85 60.72	51.48 40.82	26.69 0.00	29.74 0.00
	13,5,2	Lab	87.06	79.98	87.69	74.18	63.72	68.18	69.80	86.23	74.88	52.61	47.97
		HSV Average	51.77 67.48	57.83 55.76	78.01 79.79	51.35 52.35	66.81 52.77	53.63 48.43	54.79 44.06	79.16 75.37	57.87 57.86	38.19 30.27	52.61 33.53
		RGB	48.89	33.44	68.93	42.24	26.11	32.37	21.91	72.44	46.10	0.00	0.00
	13,5,3	Lab HSV	81.72 47.99	82.76 64.27	87.83 78.46	78.06 53.55	65.47 71.97	72.02 60.68	75.06 62.37	89.89 85.96	78.39 64.65	57.13 43.50	51.50 59.77
		Average	59.53	60.16	78.41	57.95	54.51	55.02	53.11	82.76	63.05	33.54	37.09
		RGB Lab	34.08 76.65	33.70 84.13	59.35 85.93	50.73 81.12	21.56 66.49	39.45 75.12	36.11 79.99	79.26 91.43	48.20 80.83	0.00 61.28	0.00 54.55
	13,5,4	HSV	43.34	69.97	76.12	54.45	75.58	67.32	69.75	90.69	70.83	48.12	66.58
		Average	51.36	62.60	73.80	62.10	54.54	60.63	61.95	87.13	66.62	36.47	40.38
		RGB Lab	19.16 71.67	30.12 83.94	47.43 82.68	55.59 82.85	14.54 66.50	43.98 77.35	50.02 84.59	76.26 90.31	46.65 82.14	0.00 64.87	0.00 56.95
	13,5,5	HSV	38.02	74.44	71.66	53.98	76.91	73.23	76.77	89.88	75.95	51.87	72.76
		Average RGB	42.95 4.06	62.83 23.31	67.26 34.10	64.14 55.10	52.65 5.14	64.85 44.76	70.46 62.91	85.48 66.03	68.25 41.60	38.92 5.29	43.24 1.76
	13,5,6	Lab	66.99	82.44	79.01	83.35	65.92	78.58	88.66	87.40	82.10	68.00	58.85
	10,0,0	HSV	32.18 34.41	76.96	65.90	52.17 63.54	75.58	77.82	82.94	84.36 79.26	79.21 67.64	54.53 42.61	77.79
		Average RGB	0.00	60.91 13.74	59.67 20.43	63.54 50.03	48.88 0.00	67.06 42.44	78.17 73.77	79.26 52.63	67.64 33.88	42.61 13.77	46.13 3.97
	13,5,7	Lab	62.41	80.01	75.10	82.77	64.92	78.89	92.14	83.69	80.87	70.83	60.40
		HSV Average	25.94 29.45	76.88 56.88	59.40 51.64	49.17 60.65	71.97 45.63	80.17 67.17	87.01 84.31	77.35 71.22	79.69 64.81	55.90 46.83	80.74 48.37
		RGB	93.16	12.37	62.63	5.96	21.43	2.14	0.00	32.98	23.99	0.00	0.00
	13,6,0	Lab HSV	98.17 47.99	71.50 45.93	82.04 74.44	65.53 37.59	59.18 55.48	59.51 40.74	59.02 37.24	76.13 64.90	66.11 45.64	43.38 21.18	40.61 39.08
		Average	79.77	43.27	74.44	36.36	45.36	34.13	32.09	58.00	45.64	21.18	26.56
		RGB	79.60	20.45	69.91	16.91	23.82	12.10	0.00	46.02	33.59	0.00	0.00
	13,6,1	Lab HSV	92.86 46.79	75.47 53.42	84.69 80.48	68.65 41.41	60.26 62.40	63.13 48.47	63.48 44.69	80.92 72.76	70.23 53.34	46.75 26.98	43.14 46.80
		Average	73.08	49.78	78.36	42.33	48.83	41.23	36.06	66.57	52.39	24.58	29.98

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)		YELLOW (%)
		RGB Lab	65.68 87.46	26.77 79.50	72.13 86.92	27.12 72.84	23.72 62.39	21.29 67.34	4.52 68.84				0.00 46.78
	13,6,2	HSV	44.47	60.74	84.68	44.35	68.83	56.12	51.99	80.54	60.94	32.34	54.43
		Average	65.87	55.67	81.24	48.10	51.65	48.25	41.78	75.10	59.12	27.90	33.74
		RGB	51.85	29.99	68.43	35.71	21.12	29.49	17.31	70.12	48.69	0.00	0.00
	13,6,3	Lab HSV	82.24	82.21 67.75	87.54 85.33	76.68 46.26	64.28 74.40	71.34 63.66	74.04 59.05				50.40 61.94
		Average		59.98	80.44	52.88	53.27	54.83	50.13	82.60			37.45
		RGB	37.68	30.26	59.87	42.21	16.08	35.99	29.90	77.99	52.52	0.00	0.00
	13,6,4	Lab	77.35	83.89	85.61	79.06	64.73	74.02	78.48	91.80	80.57	59.38	52.83
		HSV Average		74.21 62.79	82.06 75.85	47.04 56.10	78.41 53.07	70.96 60.32	65.71 58.03				69.22 40.69
		RGB		27.05	48.77	45.13	8.65	39.96	41.46				0.00
	13.6.5	Lab	72.62	83.78	82.92	80.74	64.88	76.38	82.71	91.02	82.27	62.72	55.20
	13,0,3	HSV	32.18	79.60	76.45	46.63	79.93	77.82	71.71	93.13	81.85	44.56	76.08
		Average RGB		63.48 20.77	69.38 36.82	57.50 44.69	51.15 0.06	64.72 41.67	65.29 51.87				43.76 0.00
		Lab		82.41	79.60	81.52	64.59	78.01	86.64				57.28
	13,6,6	HSV	26.80	82.86	69.77	45.06	78.41	83.67	76.51	86.24	86.45	46.85	82.02
		Average	34.68	62.01	62.06	57.09	47.69	67.78	71.67	81.18	73.02	37.56	46.43
		RGB Lab		12.20 80.23	23.84 75.73	40.49 80.82	0.00 63.36	40.05 78.38	59.88 89.57				0.00 58.53
	13,6,7	HSV		82.75	62.59	42.43	74.40	87.04	79.28				85.82
		Average	28.14	58.39	54.05	54.58	45.92	68.49	76.24	73.44	70.78	38.74	48.12
	13,6,2 13,6,3 13,6,4 13,6,5	RGB	93.52	11.70	62.10	5.12	20.50	1.68	0.00	32.50	24.02	0.00	0.00
	13,7,0	Lab HSV		71.18 46.96	81.66 76.96	65.07 31.07	58.79 55.52	59.11 41.57	58.59 34.23				40.19 39.44
		Average	77.34	43.28	78.96	31.07	55.52 44.94	34.12	34.23	57.40	45.52	19.56	26.54
		RGB	80.43	18.81	68.24	14.46	21.14	10.65	0.00	44.86	33.82	0.00	0.00
	13,7,1	Lab	92.71	75.29	83.96	67.85	59.30	62.53	62.94	80.77	69.84	46.00	42.32
		HSV		54.63 49.57	83.92 78.70	34.50 38.94	62.45 47.63	49.44 40.87	41.30 34.75				47.21 29.84
		Average RGB		23.87	78.70 69.92	38.94 22.68	47.63 19.56	18.88	1.31				0.00
	1277	Lab	87.71	78.98	86.60	72.07	61.74	66.93	68.22	85.42	74.26	50.62	46.18
	13,7,2	HSV	37.00	62.17	89.40	37.12	68.90	57.26	48.12	78.79	62.54	26.09	54.91
		Average RGB	63.97	55.01 26.38	81.97 66.30	43.96 29.28	50.07 15.82	47.69 26.01	39.22 12.60	73.61	59.86 50.35		33.70 0.00
		Lab		26.38 81.65	87.13	75.49	63.22	70.79	73.21	89.20			49.48
	13,7,3	HSV	34.06	69.51	90.37	38.81	74.47	65.04	54.57	85.40	58.89 41.99 0 85.87 74.44 5. 80.54 60.94 3. 75.10 59.12 2. 70.12 48.69 9 89.58 78.22 55. 88.09 68.36 3. 82.60 65.09 3. 77.99 52.52 0. 94.40 75.46 4. 88.06 69.52 3. 77.60 52.95 0. 91.02 82.27 66 93.13 81.85 4. 87.25 72.36 3. 87.25 72.36 3. 87.25 72.36 3. 87.25 72.36 3. 88.25 82.77 66 88.25 82.77 66 88.25 82.77 66 88.25 82.77 66 88.25 82.77 66 88.25 82.77 66 <	30.46	62.51
		Average	56.78	59.18	81.27	47.86	51.17	53.95	46.80	80.51		28.41	37.33
		RGB		25.83	58.36	33.26	9.73	31.32	22.93				0.00
	13,7,4	Lab HSV		82.99 76.45	85.88 85.88	78.03 39.49	64.07 78.50	73.82 72.72	77.58 60.47				52.21 69.94
		Average	49.47	61.76	76.71	50.26	50.77	59.28	53.66	84.89		30.84	40.71
		RGB	26.60	22.53	48.31	34.95	2.38	34.92	32.51	74.02		0.00	0.00
	13,7,5	Lab		83.04	83.31	79.75	64.30	76.27 80.17					54.60 77.01
		HSV Average		82.52 62.70	79.21 70.28	39.13 51.28	80.03 48.90	63.79					43.87
		RGB	12.77	16.58	36.91	33.63	0.00	36.09	40.43	67.41		0.00	0.00
	13.7.6	Lab	68.56	81.87	80.04	80.33	63.83	77.85	85.32	88.27		64.46	56.45
	13,7,0	HSV		86.46	71.87 62.94	37.75 50.57	78.50 47.45	87.04 67.00					83.27 46.57
		Average RGB		61.64 8.43	24.68	29.38	0.00	34.61					0.00
	1277	Lab	64.13	79.81	76.48	80.09	63.01	78.64	88.31	84.95		66.98	58.01
	13,7,7	HSV	15.58	86.32	64.26	35.42	74.47	91.68	71.43	77.00		40.10	87.45
		Average RGB		58.19 15.51	55.14 65.58	48.29 10.50	45.83 26.95	68.31 4.81					48.48 0.00
		Lab		71.69	83.16	66.94	61.01	60.55					42.16
	14,0,0	HSV	94.19	20.47	36.76	63.79	32.54	18.02	34.61	40.88		40.49	18.99
		Average	93.78	35.89	61.83	47.08	40.17	27.79	31.50	50.69		28.41	20.38
		RGB Lab		29.49 76.59	74.63 89.09	31.41 75.30	39.53 67.78	19.11 67.75					0.00 49.79
	14,0,1	HSV	87.34	25.37	38.95	70.86	36.89	23.42	41.73	45.17		48.41	24.62
		Average	rage	43.82	67.56	59.19	48.07	36.76	36.94	59.14		33.85	24.80
		RGB		38.27	69.70	52.13	46.69	30.82					0.00
	14,0,2	Lab HSV		78.89 29.70	90.22 40.16	83.21 77.34	73.56 40.50	73.73 28.35					56.80 29.80
		Average		48.95	66.69	70.90	53.58	44.30	47.93	64.33		39.13	28.87
		RGB		40.03	55.11	72.80	46.24	38.38	38.12	61.24		0.00	8.76
	14,0,3	Lab HSV		78.61 33.36	86.48 40.32	90.41 82.56	77.52 43.22	78.19 32.70					62.86 34.42
		Average		50.67	60.64	81.93	55.66	49.76	58.14	64.83	94.40 75.46 88.06 69.52 77.60 52.95 91.02 82.27 93.13 81.85 87.25 72.36 69.05 49.85 88.25 82.77 86.24 86.45 81.18 73.02 56.95 43.29 84.76 81.84 78.60 87.20 73.44 70.78 33.50 24.02 75.78 65.75 63.91 46.78 57.40 45.52 44.86 33.82 80.77 69.84 71.48 54.67 65.70 52.78 56.61 42.79 85.42 74.26 78.79 62.54 73.61 59.86 66.94 50.35 89.20 78.11 85.40 70.36 80.51 66.27 73.69 55.67 91.09 80.88 89.80 78.10 84.89 77.15 56.61 84.89 77.15 56.61 84.89 77.15 56.61 84.89 77.15 56.61 84.89 77.15 56.81 84.89 77.15 56.81 84.89 77.15 56.81 84.89 77.15 56.81 84.89 77.15 56.81 84.89 77.15 56.81 84.89 77.15 56.81 84.89 77.15 56.81 84.89 77.15 56.81 84.89 77.15 56.81 84.89 77.15 56.81 84.89 77.15 56.81 84.89 77.15 56.81 84.89 77.15 56.81 84.89 77.15 56.81 84.89 77.15 56.81 84.97 23.61 76.22 66.69 40.88 20.47 75.92 75.62 34.97 23.61 76.22 66.69 40.88 20.47 50.69 36.92 50.77 29.67 81.47 76.22 66.69 40.88 20.47 77.99 30.93 83.87 83.89 93.89 83.87 83.89 93.89 83.89 83.89 93.89 83.89 83.89 93.89 83.89 83.89 93.89 83.89 83.89 93.89 83.89 83.89 83.89 83.89 83.89 84.97 85.81 86.92 87.90 98.88 88.99 88.99 88.99 88.99 88.99 88.99 88.99 88.99 88.99 88.99 88.99 88.99 88.99 88.99 88.99 88.99 89.90 89.89	44.17	35.35
		RGB	6.33	34.39	36.98	93.03	38.08	39.94	54.11	51.54	78.22 68.36 65.09 52.52 80.57 75.46 69.52 52.95 82.27 81.85 72.36 49.85 82.77 86.45 73.02 43.29 81.84 87.20 70.78 24.02 65.75 46.78 45.52 33.82 69.84 54.67 52.78 42.79 74.26 62.54 59.86 50.35 78.11 70.36 66.27 55.67 80.88 78.10 71.55 57.68 82.77 85.61 75.35 55.82 83.43 92.18 77.15 50.41 82.89 93.57 75.62 23.61 66.69 20.47 36.92 29.67 72.73 25.52 42.64 30.55 76.75 30.03 45.78 26.00 77.57 75.62 23.61 66.69 20.47 36.92 29.67 72.73 25.55 76.75 30.03 45.78 26.00 77.97 77.77 77.75 77.66 23.61 66.69 20.47 36.92 29.67 72.73 25.55 76.75 30.03 45.78 26.00 77.97 77.79 77.97 77.79	20.69	20.86
	14,0,4	Lab		76.14	80.83	97.13	79.54	80.82	1.17 65.54 89.12 85.61 7.79 59.93 84.60 75.35 0.99 40.43 67.41 55.82 .85 85.32 88.27 83.43 .04 69.36 83.86 92.18 .00 65.04 79.85 77.15 .61 45.87 56.81 50.41 .64 88.31 84.95 82.89 .68 71.43 77.00 93.57 .31 68.54 72.92 75.52 81 0.00 34.97 23.61 .55 59.90 76.22 66.69 .02 34.61 40.88 20.47 .79 31.50 50.69 36.92 .11 1.18 50.77 29.67 .75 67.91 81.47 72.73 .42 41.73 45.17 25.52 .76 36.94 59.14 42.64 .82 20.13 60.93			68.24	
		HSV Average		36.23 48.92	39.44 52.42	85.12 91.76	44.91 54.18	36.35 52.37				27.90 0.00 55.85 37.15 31.00 0.00 59.38 41.27 33.55 0.00 62.72 44.56 35.76 0.00 65.82 46.85 37.56 0.00 68.20 48.01 38.74 0.00 42.93 15.75 19.56 0.00 21.15 22.38 0.00 21.15 22.38 0.00 50.62 26.09 25.57 0.00 50.62 26.09 27.00 28.41 0.00 50.62 28.41 0.00 50.62 28.41 0.00 50.62 28.41 0.00 50.62 28.41 0.00 50.62 28.41 0.00 50.62 28.41 0.00 50.62 28.41 0.00 50.62 28.41 0.00 50.62 28.41 0.00 50.62 28.41 0.00 50.62 28.41 0.00 50.62 28.41 0.00 50.63 30.84 0.00 61.67 37.08 30.84 0.00 61.67 37.08 30.84 0.00 61.67 37.08 30.84 0.00 61.67 37.08 30.99 34.52 0.00 64.46 39.09 34.52 0.00 65.33 39.13 0.00 66.33 39.13 0.00 68.30 68.30 68.30 68.30 68.30 68.30	38.36 42.49
		RGB		22.56	17.99	84.75	25.02	35.46	64.74	36.10			29.59
	14.0.5	Lab		72.30	74.89	95.68	79.50	81.01	88.15	73.97			72.64
	, , , ,	HSV		38.22	37.54	83.73	45.49	39.17	66.29				41.49
		Average RGB		44.36 7.08	43.47 0.00	88.05 64.00	50.00 8.75	51.88 25.57	73.06 64.99				47.90 33.16
	1406	Lab		67.64	68.72	89.23	77.31	79.14	87.10	68.65			75.97
	14,0,6	HSV	48.16	39.21	34.73	79.16	44.91	41.05	70.20	50.47	40.39		43.65
		Average		37.98	34.48	77.46	43.66	48.59	74.10	45.74			50.93
		RGB Lab		0.00 62.60	0.00 62.63	43.22 82.92	0.00 73.77	12.51 75.74	54.63 83.47			24.02 0.00 65.75 42.93 46.78 15.75 45.52 19.56 33.82 0.00 69.84 46.00 54.67 21.15 52.78 22.38 42.79 0.00 74.26 50.62 62.54 26.09 59.86 25.57 50.35 0.00 78.11 54.77 70.36 30.46 66.27 28.41 55.67 0.00 80.88 58.35 78.10 34.17 71.55 30.84 57.68 0.00 82.77 61.67 57.82 0.00 82.77 61.67 55.82 0.00 82.89 66.98 44.46 44.64 92.18 39.09 77.15 34.52 50.41 0.00 82.89 66.98 44.76	31.27 77.78
	14,0,7	HSV		39.18	31.11	72.97	43.22	41.89	72.33	47.83			44.75
		Average		33.93	31.25	66.37	38.99	43.38	70.14	36.99	36.03		51.27
		RGB		14.88	65.16	9.69	26.03	4.38	0.00	34.56			0.00
	14,1,0	Lab HSV		71.54 26.14	82.98 44.15	66.71 62.45	60.82 38.44	60.36 23.42	59.68 37.52				41.95 24.10
		Average		37.52	64.09	46.28	41.76	29.39	32.40	52.54			22.02
		RGB	71.55	27.20	75.19	28.56	37.06	18.30	0.00	49.53	30.81	0.00	0.00
	14,1,1	Lab		76.22	88.53	73.91	66.40	66.84	66.89	81.25			48.49
		HSV Average		31.43 44.95	46.65 70.12	69.21 57.23	43.25 48.90	29.24 38.13	45.01 37.30				30.14 26.21
		RGB		35.58	73.53	47.38	43.69	30.41	17.23	60.74			0.00
	14 1 2	Lab		78.89	91.08	81.32	71.82	72.98	73.92	83.99			55.19

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
	11,1,2	HSV	76.78 70.77	36.17 50.21	48.03 70.88	75.26 67.99	47.29 54.27	34.60 46.00	52.36 47.84	55.78 66.83	36.63 49.08	54.90 38.04	35.76 30.32
		Average RGB	33.59	38.35	61.59	65.98	44.25	39.59	34.87	64.36	31.84	0.00	5.03
	14,1,3	Lab	76.36	79.39	88.61	87.74	75.53	77.56	79.90	83.88	79.41	65.75	60.72
	- 1,-,-	HSV Average	69.70 59.89	40.23 52.66	48.22 66.14	79.93 77.88	50.38 56.72	39.40 52.18	59.48 58.08	58.54 68.93	40.92 50.72	62.50 42.75	40.85 35.53
		RGB	14.54	34.74	45.73	83.38	38.54	44.30	51.62	58.28	25.51	12.42	17.28
	14,1,4	Lab	70.01	77.94	83.86	93.62	77.79	80.85	85.17	81.43	80.02	72.04	65.70
		HSV Average	62.27 48.94	43.45 52.05	47.20 58.93	82.11 86.37	52.32 56.22	43.48 56.21	66.23 67.67	59.90 66.54	44.40 49.98	69.93 51.46	45.25 42.75
		RGB	0.00	25.64	28.47	88.57	28.00	43.38	66.04	45.63	15.70	31.28	27.06
	14,1,5	Lab	63.65	74.75	78.37	96.54	78.49	82.57	89.16	77.29	78.80	78.29	70.32
		HSV Average	54.66 39.44	45.70 48.70	45.04 50.63	80.94 88.68	52.99 53.16	46.68 57.54	72.33 75.84	59.70 60.87	46.91 47.14	76.99 62.19	48.79 48.73
		RGB	0.00	12.79	10.35	72.92	14.12	36.73	73.91	29.79	3.23	50.02	32.99
	14,1,6	Lab	57.73	71.19	72.79	92.27	77.04	81.90	90.63	72.94	76.06	83.96	73.52
		HSV Average	46.96 34.90	46.84 43.60	41.86 41.67	76.91 80.70	52.32 47.83	48.83 55.82	77.27 80.60	57.97 53.57	48.30 42.53	83.25 72.41	51.28 52.60
		RGB	0.00	0.00	0.00	54.38	0.00	26.31	69.30	12.48	0.00	67.70	34.44
	14,1,7	Lab HSV	52.07 39.19	66.78 46.80	67.43 37.83	87.04 71.20	74.94 50.38	79.79 49.80	88.37 80.14	68.00	72.48 48.49	89.31 87.42	76.15 52.55
		Average	30.42	37.86	35.09	70.87	41.77	51.97	79.27	54.89 45.12	40.32	81.48	54.38
		RGB	91.44	13.87	64.76	8.67	25.07	3.96	0.00	33.84	23.82	0.00	0.00
	14,2,0	Lab HSV	97.91 79.68	71.54 31.34	82.88 51.37	66.48 59.57	60.45 43.84	60.28 28.35	59.61 39.51	76.14 52.59	66.57 31.51	44.30 37.38	41.70 28.68
		Average	89.68	38.92	66.34	44.90	43.12	30.86	33.04	54.19	40.64	27.23	23.46
		RGB	74.24	24.83	75.33	25.67	34.52	17.36	0.00	48.11	31.80	0.00	0.00
	14,2,1	Lab HSV	91.20 76.78	75.83 37.08	88.28 54.26	72.96 65.75	65.45 49.16	66.38 34.60	66.24 47.28	81.04 58.07	72.15 37.45	50.83 44.86	47.68 35.15
		Average	80.74	45.91	72.62	54.80	49.16	39.45	47.28 37.84	62.41	47.13	31.90	27.61
		RGB	56.97	32.56	76.74	42.53	40.34	29.60	14.09	59.82	36.57	0.00	0.00
	14,2,2	Lab HSV	84.81 71.86	78.81 42.28	91.22 55.88	79.15 71.06	69.77 53.71	71.78 40.45	72.49 55.00	84.33 62.65	76.58 42.89	57.12 52.18	53.23 41.25
		Average	71.86	51.21	74.61	64.25	54.61	47.28	47.19	68.94	52.01	36.43	31.49
		RGB	39.61	35.80	67.63	58.93	41.35	39.90	30.98	66.08	37.32	0.00	0.90
	14,2,3	Lab HSV	78.41 65.78	79.88 46.80	90.25 56.11	85.17 74.94	73.36 57.26	76.82 45.76	78.62 62.62	85.22 65.97	80.07 47.69	63.37 59.27	58.64 46.86
		Average	61.27	54.16	71.33	73.01	57.32	54.16	57.41	72.42	55.03	40.88	35.47
		RGB	22.17	33.84	53.76	73.85	37.25	47.04	47.64	63.81	33.85	4.07	12.68
	14,2,4	Lab HSV	72.45 59.06	79.30 50.45	86.26 54.91	90.25 76.65	75.47 59.54	80.60 50.36	84.19 70.07	83.84 67.63	81.72 51.65	69.10 65.98	63.25 51.81
		Average	51.23	54.53	64.98	80.25	57.42	59.33	67.30	71.76	55.74	46.38	42.58
		RGB	4.64	27.03	38.19	82.61	28.87	49.56	63.67	54.16	26.69	20.86	22.69
	14,2,5	Lab HSV	66.75 51.96	77.01 53.03	81.52 52.39	93.72 75.74	76.52 60.33	83.17 54.03	88.96 77.18	80.58 67.39	81.59 54.56	74.55 72.03	67.47 55.87
		Average	41.12	52.36	57.37	84.02	55.24	62.25	76.61	67.38	54.28	55.81	48.68
		RGB	0.00	16.50	21.88	76.51	17.44	46.72	77.46	40.57	16.74	37.13	30.10
	14,2,6	Lab HSV	61.25 44.63	74.01 54.35	76.47 48.76	92.89 72.46	75.91 59.54	83.89 56.55	92.56 83.51	76.74 65.28	79.88 56.20	79.58 76.91	70.79 58.79
		Average	35.29	48.29	49.04	80.62	50.96	62.39	84.51	60.86	50.94	64.54	53.23
		RGB Lab	0.00 55.99	3.42 70.28	5.17 71.55	62.04 89.25	4.00 74.49	39.21 83.03	82.25 92.77	25.08 72.38	4.82 77.13	52.24 84.18	33.96 73.54
	14,2,7	HSV	37.15	54.31	44.22	67.53	57.26	57.70	87.78	61.61	56.42	79.73	60.30
		Average	31.05	42.67	40.31	72.94	45.25	59.98	87.60	53.02	46.13	72.05	55.93
		RGB Lab	92.36 98.12	12.86 71.24	64.33 82.81	7.65 66.25	24.11 60.33	3.53 60.17	0.00 59.38	33.11 75.87	23.91 66.49	0.00 44.07	0.00 41.57
	14,3,0	HSV	71.86	35.99	58.32	55.43	48.58	32.70	40.49	57.41	36.26	34.42	32.64
		Average	87.44	40.03	68.49	43.11	44.34	32.13	33.29	55.47	42.22	26.17	24.74
		RGB Lab	76.77 92.11	22.39 75.27	75.03 87.75	22.76 71.77	31.91 64.31	16.31 65.70	0.00 65.35	46.53 80.63	32.66 71.82	0.00 49.67	0.00 46.65
	14,3,1	HSV	69.70	42.18	61.73	60.96	54.44	39.40	48.42	63.61	42.69	41.52	39.53
		Average RGB	79.53 61.06	46.61 29.24	74.84 79.02	51.83 37.59	50.22 36.69	40.47 28.40	37.92 10.75	63.59 58.23	49.06 39.11	30.40 0.00	28.72 0.00
	4422	Lab	86.08	78.24	91.33	77.40	68.19	71.06	71.33	84.19	76.58	55.45	51.83
	14,3,2	HSV	65.78	47.89	63.69	65.52	59.59	45.76	56.34	69.00	48.68	48.37	46.12
		Average RGB	70.97 45.23	51.79 32.50	78.01 72.92	60.17 51.76	54.82 37.66	48.41 39.31	46.14 26.55	70.47 66.21	54.79 42.38	34.61 0.00	32.65 0.00
	14,3,3	Lab	80.27	79.99	91.30	82.53	71.09	75.78	77.08	86.12	80.36	60.93	56.49
	1,5,5	HSV	60.63	52.94	63.96	68.70	63.70	51.65	64.24	73.10	54.08	54.86	52.30
		Average RGB	62.04 29.47	55.15 31.32	76.06 61.39	67.66 64.15	57.48 34.69	55.58 48.37	55.96 42.20	75.14 67.17	58.94 42.02	38.60 0.00	36.26 7.43
	14,3,4	Lab	74.71	79.68	88.52	86.97	73.31	80.08	82.42	85.36	83.12	66.10	60.95
	.,=, .	HSV	54.66 52.95	57.12 56.04	62.51 70.81	70.06 73.73	66.42 58.14	56.87 61.77	72.12 65.58	75.24 75.92	58.65 61.26	60.81 42.30	57.89 42.09
		Average RGB	13.41	26.35	47.41	73.73	27.97	53.94	57.98	60.94	37.70	10.02	17.08
	14,3,5	Lab	69.39	78.42	84.16	90.10	74.21	83.09	87.51	83.21	83.97	70.93	64.67
	,-,-	HSV Average	48.16 43.65	60.12 54.96	59.52 63.70	69.34 77.35	67.37 56.52	61.15 66.06	79.95 75.15	74.92 73.02	62.09 61.25	65.92 48.96	62.61 48.12
		RGB	0.00	17.96	32.53	72.58	18.45	54.77	73.41	49.81	30.18	23.98	24.81
	14,3,6	Lab	64.28	75.96	79.63	90.85	74.13	84.97	91.98	79.87	83.37	75.32	67.92
		HSV Average	41.30 35.19	61.69 51.87	55.30 55.82	66.69 76.71	66.42 53.00	64.17 67.97	87.62 84.34	72.23 67.30	64.07 59.21	69.79 56.36	66.09 52.94
		RGB	0.00	7.00	17.17	63.92	6.91	50.50	86.71	36.21	20.30	36.70	29.91
	14,3,7	Lab	59.44	72.90	75.14	89.26	73.28	85.25 65.57	94.85	76.07	81.39	79.28	70.62
		HSV Average	34.20 31.21	61.63 47.18	50.17 47.49	62.51 71.90	63.70 47.96	65.57 67.11	94.43 92.00	67.76 60.01	64.35 55.35	71.89 62.62	67.95 56.16
		RGB	93.00	12.21	63.83	6.82	23.17	3.08	0.00	32.68	23.97	0.00	0.00
	14,4,0	Lab	98.35	71.23	82.50	66.02	60.06	59.88	59.17	75.81	66.23	43.85	41.28
		HSV Average	63.98 85.11	39.93 41.13	64.85 70.39	50.36 41.07	52.45 45.23	36.35 33.10	40.43 33.20	61.20 56.56	40.32 43.51	30.68 24.84	35.85 25.71
		RGB	79.07	19.89	74.30	19.81	29.25	15.14	0.00	44.80	33.37	0.00	0.00
	14,4,1	Lab HSV	92.97 62.27	74.57 46.58	86.94 68.96	70.31 55.26	62.86 58.86	64.82 43.48	64.27 48.34	80.10 68.12	71.37 47.24	48.26 37.35	45.36 43.13
		Average	78.10	46.58 47.01	76.74	48.46	50.32	43.48	48.34 37.54	64.34	50.66	37.35 28.54	43.13 29.50
		RGB	64.78	25.67	80.06	32.58	32.81	26.84	7.22	56.03	41.27	0.00	0.00
	14,4,2	Lab HSV	87.18 59.06	77.71 52.82	90.80 71.41	75.61 59.18	66.48 64.64	70.10 50.36	70.10 56.25	83.96 74.45	76.29 53.83	53.76 43.69	50.30 50.20
		Average	70.34	52.07	80.76	55.79	54.64	49.10	44.52	71.48	57.13	32.48	33.50

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
		RGB Lab	50.51 81.74	28.23 79.30	77.31 92.02	44.32 80.13	33.38 69.21	37.96 74.90	21.48 75.43	64.37 86.04	47.02 80.56	0.00 58.70	0.00 54.72
	14,4,3	HSV	54.66	58.47	71.76	61.83	69.43	56.87	64.13	79.61	59.91	49.57	56.96
		Average	62.31	55.33	80.36	62.09	57.34	56.57	53.68	76.67	62.50	36.09	37.23
		RGB	35.91	27.79	67.54	54.62	30.70	47.78	35.97	68.13	49.51	0.00	1.47
	14,4,4	Lab HSV	76.52 49.40	79.74 63.26	89.85 69.93	83.88 62.93	70.94 72.71	79.04 62.82	80.51 71.98	86.40 82.53	83.84 65.24	63.28 54.82	58.59 63.24
		Average	53.94	56.93	75.77	67.14	58.11	63.21	62.82	79.02	66.20	39.36	41.10
		RGB	21.32	23.76	55.37	61.59	25.16	55.63	50.18	64.94	48.42	0.00	10.31
	14,4,5	Lab	71.57	78.68	86.34	86.59	72.00	82.62	85.17	84.71	85.95	67.49	62.16
		HSV Average	43.50 45.46	66.82 56.42	66.28 69.33	62.35 70.18	73.89 57.02	67.89 68.71	79.75 71.70	82.08 77.24	69.41 67.93	59.18 42.22	68.76 47.08
		RGB	6.41	17.02	41.79	63.48	17.07	59.68	64.25	56.54	43.51	10.68	17.59
	14.4.6	Lab	66.84	76.90	82.23	87.75	72.08	85.07	89.45	82.09	86.35	71.28	65.11
	14,4,0	HSV	37.15	68.72	61.32	60.16	72.71	71.61	87.30	78.48	71.90	62.35	73.03
		Average RGB	36.80 0.00	54.21 7.96	61.78 27.79	70.46 58.99	53.95 6.93	72.12 58.77	80.34 76.82	72.37 45.24	67.25 36.00	48.10 20.72	51.91 22.44
		Lab	62.04	74.34	77.79	86.93	71.15	86.25	93.11	78.74	85.23	74.63	67.50
	14,4,7	HSV	30.47	68.66	55.48	56.60	69.43	73.40	93.77	72.95	72.25	64.01	75.41
		Average	30.84	50.32	53.69	67.51	49.17	72.81	87.90	65.64	64.49	53.12	55.12
		RGB Lab	93.74 98.35	11.19 71.08	63.34 82.51	5.79 65.78	22.20 59.77	2.62 59.88	0.00 59.07	31.92 75.77	24.03 66.36	0.00 43.62	0.00 41.11
	14,5,0	HSV	56.08	43.04	70.66	44.61	55.23	39.17	39.31	63.61	43.55	26.26	38.20
		Average	82.72	41.77	72.17	38.73	45.73	33.89	32.79	57.10	44.65	23.29	26.44
		RGB	81.05	17.33	73.19	16.84	26.53	13.87	0.00	42.93	33.93	0.00	0.00
	14,5,1	Lab HSV	93.15 54.66	74.16 50.09	86.55 75.75	69.55 48.95	62.06 62.11	64.45 46.68	63.76 47.06	79.82 71.11	71.27 50.92	47.53 32.50	44.72 45.79
		Average	76.29	47.19	78.49	45.11	50.23	41.67	36.94	64.62	52.04	26.68	30.17
	14,4,5 14,4,6 14,4,7	RGB	68.00	21.89	79.67	27.52	28.72	24.93	3.53	53.31	43.01	0.00	0.00
		Lab	87.85	76.94	90.22	74.01	64.99	69.36	68.99	83.46	76.12	52.27	49.03
		HSV	51.96 69.27	56.84 51.89	78.97 82.95	52.35 51.29	68.48 54.06	54.03 49.44	54.74 42.42	78.29 71.69	58.08 59.07	38.33 30.20	53.27 34.10
		Average RGB	54.90	23.72	79.31	37.02	28.47	49.44 35.65	16.24	71.69 61.43	59.07	0.00	0.00
	1/152	Lab	82.66	78.41	91.88	77.82	67.23	74.01	73.88	85.66	80.68	56.61	53.01
	17,3,3	HSV	48.16	63.10	79.45	54.60	73.97	61.15	62.31	84.69	64.90	43.65	60.55
		Average RGB	61.91 41.60	55.08 22.92	83.55 72.00	56.48 44.90	56.56 25.73	56.94 45.66	50.81 28.83	77.26 65.95	65.47 56.39	33.42 0.00	37.85 0.00
		Lab	77.66	78.67	90.77	44.90 81.21	69.10	45.66 78.38	28.83 78.58	86.03	84.62	60.86	56.89
	14,5,4	HSV	43.50	68.60	77.00	55.52	77.90	67.89	69.68	88.88	71.14	48.30	67.52
		Average	54.25	56.73	79.92	60.55	57.58	63.98	59.03	80.29	70.72	36.39	41.47
		RGB Lab	27.96	19.71 78.04	61.04	50.38	20.55	54.14 81.90	41.32	65.48	58.43 87.38	0.00	2.56
	14,5,5	HSV	73.07 38.16	72.84	87.73 72.40	83.44 55.04	69.96 79.38	73.93	82.71 76.67	85.02 88.19	76.32	64.49 52.06	60.03 73.93
		Average	46.40	56.86	73.72	62.95	56.63	69.99	66.90	79.56	74.05	38.85	45.51
		RGB	14.42	13.78	48.96	51.72	13.15	60.01	52.60	59.65	56.93	0.00	8.45
	14,5,6	Lab	68.39	76.47 75.20	83.79	84.38	69.92	84.79 78.68	86.52	82.79 83.22	88.94	67.77	62.76
		HSV Average	32.31 38.37	55.15	66.52 66.42	53.19 63.10	77.90 53.66	74.49	82.81 73.97	75.22	79.64 75.17	54.73 40.83	79.24 50.15
		RGB	0.52	5.82	36.12	49.34	4.42	62.25	62.49	50.14	51.39	4.96	13.17
	14,5,7	Lab	63.97	74.08	79.89	84.08	69.42	86.82	89.32	79.71	88.88	70.56	65.15
		HSV	26.06 30.19	75.12 51.67	59.91 58.64	50.12	73.97 49.27	81.13 76.73	86.84 79.55	76.55 68.80	80.13 73.47	56.10 43.87	82.43 53.58
		Average RGB	94.17	10.53	62.80	61.18 4.96	21.26	2.16	0.00	31.46	24.06	0.00	0.00
	14.6.0	Lab	98.55	71.07	82.20	65.56	59.50	59.59	58.87	75.71	66.09	43.39	40.82
	14,0,0	HSV	48.16	45.16	75.26	38.37	56.71	41.05	37.20	64.38	45.80	21.29	39.59
		Average RGB	80.30 82.48	42.25 15.07	73.42 71.65	36.30 14.04	45.82 23.78	34.27 12.49	32.02 0.00	57.18 41.25	45.32 34.30	21.56 0.00	26.80 0.00
		Lab	93.65	73.48	85.93	68.61	61.28	63.78	62.91	79.15	70.76	46.61	43.93
	14,6,1	HSV	46.96	52.53	81.58	42.24	63.87	48.83	44.65	72.09	53.53	27.10	47.38
		Average	74.36	47.03	79.72	41.63	49.64	41.70	35.85	64.16	52.86	24.57	30.44
		RGB Lab	70.54 88.10	17.91 75.83	77.92 90.10	22.41 72.91	24.45 64.22	22.70 69.08	0.00 68.11	50.15 82.55	44.29 76.21	0.00 51.25	0.00 48.41
	14,6,2	HSV	44.63	59.68	86.10	45.22	70.62	56.55	51.95	79.61	61.16	32.47	55.12
	14,4,4 14,4,5 14,4,6 14,4,7 14,5,0 14,5,1 14,5,2 14,5,3 14,5,4 14,5,5 14,5,6 14,5,7 14,6,0 14,6,1 14,6,2 14,6,3 14,6,4 14,6,5 14,6,6 14,6,7 14,7,0 14,7,1	Average	67.76	51.14	84.71	46.85	53.10	49.44	40.02	70.77	60.56	27.90	34.51
		RGB	58.36	18.75	78.71	29.69	23.13	32.62	10.70	57.37	53.72	0.00	0.00
	14,6,3	Lab HSV	83.18 41.30	76.99 66.47	91.92 86.82	76.12 47.16	66.09 76.60	73.50 64.17	72.48 59.00	84.46 86.62	80.81 68.65	55.04 37.29	52.01 62.76
		Average	60.95	54.07	85.82	50.99	55.27	56.76	47.39	76.15	67.73	30.78	38.26
		RGB	45.94	17.44	73.20	35.37	19.81	41.93	21.38	61.72	61.92	0.00	0.00
	14,6,4	Lab HSV	78.22 37.15	77.37 72.63	90.97 83.26	79.00 47.95	67.54 81.08	77.77 71.61	76.88 65.65	85.14 91.73	85.10 75.83	58.89 41.42	55.54 70.25
		Average	53.77	55.81	82.48	54.11	56.14	63.77	54.64	79.53	74.28	33.44	41.93
		RGB	33.39	13.88	63.82	38.48	14.26	49.79	31.19	61.97	67.87	0.00	0.00
	14,6,5	Lab	73.70	76.49	88.34	80.78	68.33	81.47	80.49	84.06	88.68	62.10	58.58
		HSV Average	32.31 46.46	77.63 56.00	77.35 76.50	47.54 55.60	82.83 55.14	78.68 69.98	71.63 61.10	90.82 78.95	82.34 79.63	44.72 35.60	77.42 45.33
		RGB	20.50	8.42	52.86	39.29	7.45	56.01	40.23	57.87	69.50	0.00	0.00
	14.6.6	Lab	69.21	75.03	84.72	81.64	68.42	84.56	83.72	82.07	91.09	65.04	61.23
	,-,-	HSV	26.92 38.88	80.55 54.67	70.46 69.35	45.94 55.62	81.08 52.32	84.84	76.42 66.79	84.95 74.96	87.13 82.57	47.01	83.84 48.36
		Average RGB	7.38	1.19	40.95	37.15	0.00	75.14 59.17	47.53	74.96 50.28	66.08	37.35 0.00	48.36 2.14
	1467	Lab	64.68	72.68	80.75	81.35	67.91	86.98	86.08	79.09	91.76	67.57	63.61
	17,0,7	HSV	21.10	80.45	63.15	43.27	76.60	88.56	79.17	77.75	87.92	48.18	88.22
		Average	31.05 94.59	51.44 9.50	61.62	53.92 3.93	48.17 20.28	78.24 1.68	70.93 0.00	69.04 30.68	81.92	38.58	51.32 0.00
		RGB Lab	94.59	70.75	62.25 81.99	65.08	59.01	1.68 59.38	58.55	75.48	24.09 66.03	0.00 42.93	40.43
	14,7,0	HSV	40.24	46.17	77.88	31.77	56.75	41.89	34.19	63.40	46.94	15.86	39.95
		Average	77.76	42.14	74.04	33.60	45.35	34.32	30.91	56.52	45.69	19.60	26.80
		RGB	83.55	12.41	69.93	11.03	20.97	11.03	0.00	39.15	34.55	0.00	0.00
	14,7,1	Lab HSV	93.60 39.19	73.18 53.71	85.32 85.27	67.83 35.24	60.40 63.92	63.28 49.80	62.39 41.26	78.93 70.84	70.50 54.86	45.87 21.26	43.19 47.80
		Average	72.12	46.43	80.17	38.04	48.43	41.37	34.55	62.97	53.30	22.38	30.33
		RGB	72.24	13.77	75.10	17.28	20.05	20.18	0.00	46.63	45.09	0.00	0.00
	14,7,2	Lab	88.03	74.71	89.70	71.72	63.27	68.76	67.23	81.63	76.30	50.17	47.70
		HSV Average	37.15 65.80	61.07 49.85	91.58 85.46	37.89 42.30	70.68 51.33	57.70 48.88	48.08 38.44	77.93 68.73	62.77 61.39	26.21 25.46	55.61 34.43
		RGB	60.65	13.41	75.69	22.34	17.45	28.94	4.91	52.47	55.58	0.00	0.00
	1473	Lab	83.10	75.72	91.92	75.08	65.48	73.46	71.64	83.34	81.18	54.14	51.61

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
	17,7,5	HSV	34.20	68.16	92.84	39.60	76.69	65.57	54.52	84.19	70.66	30.59	63.35
		Average	59.32	52.43	86.82	45.67	53.21	55.99	43.69	73.33	69.14	28.25	38.32
		RGB	48.83	11.11	70.76	25.46	12.82	36.65	13.26	55.69	65.74	0.00	0.00
	14,7,4	Lab	78.27	75.64	91.30	77.59	66.93	77.78	75.57	83.56	85.76	57.66	55.10
	14,7,4	HSV	30.47	74.73	87.44	40.29	81.19	73.40	60.42	88.19	78.51	34.30	70.99
		Average	52.52	53.82	83.17	47.78	53.64	62.61	49.75	75.81	76.67	30.66	42.03
		RGB	36.81	6.90	62.85	26.89	7.14	43.56	20.84	55.40	74.88	0.00	0.00
	14,7,5	Lab	73.55	74.38	88.58	79.01	67.63	81.74	78.79	82.17	90.07	60.64	58.19
		HSV	26.06	80.25	80.23	39.92	82.95	81.13	65.48	87.54	86.24	37.22	78.40
		Average	45.47	53.85	77.22	48.61	52.57	68.81	55.04	75.04	83.73	32.62	45.53
		RGB	24.43	1.34	52.83	26.36	0.10	48.59	27.41	51.99	80.51	0.00	0.00
	14,7,6	Lab	69.11	72.66	85.16	79.84	68.02	85.26	81.55	80.01	93.41	63.48	61.11
	14,7,0	HSV	21.10	83.64	72.61	38.53	81.19	88.56	69.29	82.75	93.42	39.24	85.24
		Average	38.21	52.55	70.20	48.24	49.77	74.14	59.42	71.58	89.11	34.24	48.78
	14,7,7	RGB	11.79	0.00	41.70	23.62	0.00	51.03	32.27	45.58	79.27	0.00	0.00
		Lab	64.72	70.36	81.27	79.43	67.52	87.83	83.30	77.21	94.68	65.66	63.39
	17,7,7	HSV	15.68	83.52	64.85	36.16	76.69	94.32	71.35	76.21	95.15	40.25	90.23
		Average	30.73	51.29	62.60	46.40	48.07	77.73	62.31	66.33	89.70	35.31	51.21

Table 1: Number of Highest % Count

	BLACK (#/%)	BLUE (#/%)	BROWN (#/%)	GRAY (#/%)	GREEN (#/%)	ORANGE (#/%)	PINK (#/%)	PURPLE (#/%)	RED (#/%)	WHITE (#/%)	YELLOW (#/%)
All	753	102	694	924	284	50	242	480	48	201	E 62
All	19.61	2.66	18.07	24.06	7.40	1.30	6.30	12.50	1.25	5.23	1.61
Average	196	E 26	151	237	83	II 15	50	126	11	50	II 15
Avelage	20.42	2.71	15.73	24.69	8.65	1.56	5.21	13.13	1.15	5.21	1.56
RGB	194	2 9	205	253	57	1 9	41	95	7	46	14
NGB	20.21	3.02	21.35	26.35	5.94	1.98	4.27	9.90	0.73	4.79	1.46
Lab	228	2 4	175	239	64	13	40	90	14	56	1 7
Luo	23.75	2.50	18.23	24.90	6.67	1.35	4.17	9.38	1.46	5.83	1.77
HSV	135	2 3	163	195	80	• 3	111	169	1 6	49	1 6
1134	14.06	2.40	16.98	20.31	8.33	0.31	11.56	17.60	1.67	5.10	1.67
TOTAL	753	102	694	924	284	50	242	480	48	201	E 62
	19.61	2.66	18.07	24.06	7.40	1.30	6.30	12.50	1.25	5.23	1.61