

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
	0,0,0	RGB	82.08	0.00	40.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		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	64.89	33.21	18.14	34.44	40.41	20.47	40.49	19.26
		Average	91.26	30.51	53.50	43.94	31.41	26.23	31.45	38.88	29.05	28.41	20.47
		Average	68.66	29.18	74.96	31.53	40.02	19.35	1.17	50.40	29.62	0.00	0.00
	0,0,1	Lab	88.90	76.32	89.23	75.54	68.26	67.90	67.93	81.13	72.71	53.36	50.13
		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
		Lab	81.20	78.69	90.42	83.22	73.68	73.86	75.02	83.32	76.88	61.05	56.91
	0,0,2	HSV	79.68	28.97	40.36	79.14	41.26	28.49	48.40	48.06	30.03	56.33	30.12
		Average	69.61	48.52	66.89	71.54	54.05	44.47	47.84	63.93	45.79	39.13	29.01
		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
		HSV	71.86	32.60	40.52	84.98	44.02	32.84	54.89	50.40	33.89	64.23	34.76
	0,0,3	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
		Lab	66.71	75.50	80.76	97.56	80.21	81.00	85.68	78.08	78.04	75.54	68.78
		HSV	63.98	35.44	39.63	88.05	45.74	36.50	60.84	51.52	36.98	72.10	38.73
		Average	45.61	48.18	52.47	93.03	54.93	52.60	66.76	60.05	43.83	56.20	43.11
	0,0,4	RGB	0.00	21.84	17.94	84.63	25.57	35.68	64.15	35.27	4.08	41.76	30.57
		Lab	60.14	71.77	74.81	95.55	79.93	81.24	87.85	73.50	75.66	82.09	73.17
		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
	0,0,5	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	38.38	34.91	81.13	45.74	41.21	69.83	49.92	40.39	87.58	44.05
		Average	33.84	37.09	34.45	77.89	44.30	48.72	73.35	44.93	37.38	79.76	51.83
		RGB	0.00	0.00	0.00	42.88	0.00	12.52	53.55	0.00	0.00	83.35	32.48
		Lab	47.23	61.96	62.53	82.74	74.23	75.85	82.89	62.58	67.42	94.89	78.58
	0,0,6	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
		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	25.45	44.36	63.51	39.18	23.55	37.34	46.49	26.21	39.43	24.39
	0,1,0	Average	91.80	37.21	64.34	46.67	42.12	29.58	32.38	52.33	38.92	27.99	22.13
		RGB	71.39	26.61	75.90	28.79	38.02	18.78	0.00	48.83	30.72	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
		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
	0,1,1	RGB	52.35	34.53	74.30	47.76	45.21	31.16	17.15	59.29	33.46	0.00	0.00
		Lab	82.51	78.18	91.55	81.81	72.70	73.55	74.06	83.25	77.19	59.67	55.96
		HSV	76.78	35.38	48.26	76.90	48.15	34.75	52.13	55.16	36.63	54.90	36.11
		Average	70.54	49.36	71.37	68.82	55.36	46.49	47.78	65.90	49.09	38.19	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
	0,1,2	Lab	75.71	78.21	88.67	88.52	76.82	78.32	79.95	82.62	79.63	66.44	61.88
		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
		Lab	69.35	76.48	83.77	94.45	79.16	81.70	84.92	79.98	80.18	72.74	67.05
	0,1,3	HSV	62.27	42.56	47.43	84.46	53.28	43.65	65.90	59.22	44.40	69.93	45.66
		Average	48.57	50.62	59.04	87.73	57.67	56.91	67.27	64.94	49.80	51.93	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
		Lab	63.00	73.23	78.08	96.95	79.88	83.15	88.24	75.81	78.60	79.01	71.79
		HSV	54.66	44.77	45.26	83.12	53.96	46.86	71.94	59.03	46.91	76.99	49.23
	0,1,4	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
		Lab	56.66	69.01	72.11	91.72	78.65	82.28	88.61	70.85	75.43	85.22	75.79
		HSV	46.96	45.89	42.07	78.68	53.28	49.02	76.79	57.33	48.30	83.25	51.74
		Average	34.54	41.71	41.42	80.95	49.31	56.27	78.70	51.64	41.87	73.26	54.87
	0,1,5	RGB	0.00	0.00	0.00	53.58	0.15	26.67	65.53	9.48	0.00	69.30	38.71
		Lab	50.76	64.51	66.45	86.01	76.01	79.68	86.08	65.82	71.54	90.81	78.47
		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
		Average											

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
	0,3,0	HSV	71.86	35.19	58.61	56.32	49.47	32.84	40.31	56.78	36.26	34.42	32.97
		Average	87.42	39.69	68.68	43.44	44.78	32.26	33.23	55.17	42.22	26.17	24.85
		RGB	76.49	21.32	76.57	23.23	33.74	17.29	0.00	45.27	32.52	0.00	0.00
		Lab	91.76	74.59	88.59	72.27	65.31	66.32	65.49	79.98	72.21	50.14	47.49
		HSV	69.70	41.30	62.04	61.98	55.44	39.56	48.20	62.87	42.69	41.52	39.90
	0,3,1	Average	79.31	45.74	75.73	52.49	51.50	41.06	37.90	62.71	49.14	30.55	29.13
		RGB	60.55	27.14	81.85	38.49	40.03	30.26	10.69	55.30	38.65	0.00	0.00
		Lab	85.34	76.99	92.82	78.42	70.02	72.21	71.63	82.82	77.21	56.40	53.40
		HSV	65.78	46.92	64.01	66.68	60.72	45.94	56.08	68.13	48.68	48.37	46.54
		Average	70.55	50.35	79.56	61.20	56.92	49.47	46.13	68.75	54.85	34.92	33.31
0,3,2	RGB	44.46	29.28	75.37	53.18	42.33	42.17	26.28	60.93	41.38	0.00	0.73	
	Lab	79.13	77.43	92.83	84.15	74.09	77.68	77.25	83.19	81.18	62.37	59.08	
	HSV	60.63	51.87	64.29	69.98	64.97	51.85	63.93	72.10	54.08	54.86	52.77	
	Average	61.41	52.86	77.49	69.11	60.46	57.23	55.82	72.07	58.88	39.08	37.53	
	RGB	28.51	27.41	62.88	66.03	39.78	51.99	41.51	60.41	40.45	0.00	13.06	
0,3,3	Lab	73.58	76.60	89.15	88.71	76.59	82.16	82.10	81.91	83.67	67.58	63.86	
	HSV	54.66	55.94	62.83	71.40	67.79	57.09	71.73	74.15	58.65	60.81	58.42	
	Average	52.25	53.32	71.62	75.38	61.39	63.74	65.11	72.16	60.92	42.80	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	
	Lab	68.06	74.77	84.26	92.02	77.86	85.66	86.52	79.35	84.33	72.70	68.25	
0,3,4	HSV	48.16	58.86	59.82	70.65	68.78	61.40	79.40	73.85	62.09	65.92	63.20	
	Average	42.79	51.75	64.10	79.20	60.01	68.47	74.07	68.84	60.60	50.34	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	
	Lab	62.55	71.73	79.12	92.26	78.08	87.72	89.49	75.56	83.08	77.63	72.47	
	HSV	41.30	60.38	55.57	67.89	67.79	64.44	86.75	71.26	64.07	69.79	66.76	
0,3,5	Average	34.62	48.25	55.82	78.13	56.55	70.47	81.86	62.96	58.10	58.15	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	
	Lab	57.48	68.31	74.27	89.44	77.06	87.65	90.06	71.57	80.64	81.81	75.87	
	HSV	34.20	60.33	50.40	63.57	64.97	65.85	92.71	66.92	64.35	71.89	68.65	
	Average	30.56	43.30	47.19	72.46	51.31	69.23	86.64	55.65	53.87	64.72	62.01	
	0,4,0	RGB	92.88	11.74	64.43	7.04	24.00	3.54	0.00	32.20	23.96	0.00	0.00
		Lab	98.08	71.09	82.92	66.25	60.41	60.26	59.36	75.77	66.59	44.07	41.65
		HSV	63.98	39.09	65.19	51.16	53.41	36.50	40.24	60.50	40.32	30.68	36.20
		Average	84.98	40.64	70.84	41.48	45.94	33.43	33.20	56.15	43.62	24.92	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	62.27	45.63	69.35	56.14	59.97	43.65	48.13	67.28	47.24	37.35	43.52	
	Average	77.79	45.98	78.00	49.28	52.01	41.99	37.60	63.29	50.86	28.85	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	
	Lab	86.28	76.00	93.20	76.86	68.82	71.76	70.50	82.19	77.37	54.93	52.37	
0,4,2	HSV	59.06	51.75	71.83	60.15	65.94	50.55	55.99	73.40	53.83	43.69	50.65	
	Average	69.84	50.31	83.14	56.92	57.23	50.53	44.57	69.40	57.32	32.87	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	
	Lab	80.67	76.75	94.54	81.70	72.21	77.00	75.67	83.15	81.73	60.13	57.38	
	HSV	54.66	57.26	72.18	62.87	70.95	57.09	63.82	78.31	59.91	49.57	57.48	
0,4,3	Average	61.67	52.91	82.76	63.53	60.66	58.55	53.62	73.38	62.54	36.57	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	
	Lab	75.10	76.11	91.30	86.05	74.98	81.96	80.52	82.19	85.03	65.24	62.28	
	HSV	49.40	61.90	70.33	64.00	74.42	63.08	71.59	81.02	65.24	54.82	63.85	
	Average	53.08	53.70	77.40	69.04	62.27	66.04	62.54	74.29	65.94	40.02	44.98	
	0,4,4	RGB	19.89	18.34	57.30	64.53	32.21	62.49	49.07	55.34	45.57	2.05	19.68
		Lab	69.87	74.45	86.77	88.64	76.17	86.29	84.68	80.04	87.11	69.65	66.44
		HSV	43.50	65.32	66.63	63.41	75.68	68.19	79.21	80.61	69.41	59.18	69.48
		Average	44.42	52.70	70.23	72.19	61.35	72.32	70.99	72.00	67.36	43.62	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
0,4,5	Lab	64.73	71.86	81.95	89.47	76.66	89.61	87.81	76.79	86.92	73.89	70.45	
	HSV	37.15	67.13	61.63	61.15	74.42	71.95	86.45	77.24	71.90	62.35	73.87	
	Average	35.49	49.93	62.17	72.36	58.47	76.49	78.64	66.82	66.16	50.28	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	
	Lab	59.81	68.76	77.22	88.00	76.06	91.07	89.21	73.11	85.03	77.55	73.90	
0,4,6	HSV	30.47	67.07	55.75	57.51	70.95	73.77	92.18	71.95	72.25	64.01	76.33	
	Average	30.09	45.58	53.74	68.93	53.78	77.34	84.12	59.94	62.80	55.77	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	
	Lab	98.31	70.93	82.62	65.78	59.85	59.97	59.06	75.67	66.45	43.61	41.19	
	HSV	56.08	42.15	71.07	45.32	56.25	39.33</						

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
	0,6,1	RGB	82.15	13.20	74.76	15.00	27.16	14.50	0.00	39.12	34.17	0.00	0.00
		Lab	93.20	72.96	87.29	69.59	62.81	64.88	63.45	78.70	71.55	47.54	45.30
		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
	0,6,2	RGB	69.99	14.81	84.73	24.10	30.00	26.33	0.00	46.10	43.88	0.00	0.00
		Lab	87.23	73.89	92.89	74.10	66.72	70.89	68.41	80.57	77.46	52.38	50.64
		HSV	44.63	58.43	86.97	45.94	72.20	56.77	51.72	78.31	61.16	32.47	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
	0,6,3	RGB	57.56	14.47	88.78	32.22	30.64	38.26	10.97	50.95	52.73	0.00	0.00
		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	60.24	51.15	90.85	52.60	59.57	59.64	47.48	72.29	68.02	31.29	39.51
	0,6,4	RGB	44.87	12.10	81.73	38.81	28.90	50.20	21.70	52.78	59.91	0.00	0.00
		Lab	76.90	73.43	93.95	80.46	71.40	81.05	76.60	80.71	87.23	60.42	59.22
		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
	0,6,5	RGB	32.00	7.47	70.53	42.92	24.83	61.98	31.54	50.75	64.22	0.00	7.04
		Lab	71.77	71.75	89.51	82.02	72.39	85.92	79.84	78.82	91.59	63.85	63.01
		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
	0,6,6	RGB	18.81	1.34	58.01	44.33	18.64	72.82	40.50	45.70	64.14	0.00	14.97
		Lab	67.08	69.59	85.10	82.56	72.80	90.26	82.18	76.25	93.99	66.88	66.42
		HSV	26.92	78.08	70.87	46.68	83.64	85.49	75.95	83.23	87.13	47.01	85.28
		Average	37.61	49.67	71.32	57.86	58.36	82.86	66.21	68.39	81.75	37.97	55.56
	0,6,7	RGB	5.38	0.00	44.95	42.44	10.67	80.68	47.57	37.94	59.54	0.00	21.51
		Lab	62.59	66.98	80.74	81.82	72.37	93.87	83.38	73.21	93.40	69.30	69.31
		HSV	21.10	77.99	63.47	43.97	78.62	89.43	78.65	76.56	87.92	48.18	90.28
		Average	29.69	48.33	63.05	56.08	53.89	87.99	69.87	62.57	80.29	39.16	60.37
	0,7,0	RGB	94.52	8.83	63.15	4.26	21.50	2.38	0.00	30.00	24.08	0.00	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
		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
	0,7,1	RGB	83.32	10.39	73.36	12.11	24.69	13.31	0.00	36.88	34.47	0.00	0.00
		Lab	93.52	72.44	86.83	68.87	62.20	64.40	62.82	78.21	71.21	46.84	44.72
		HSV	39.19	52.62	86.10	35.85	65.20	49.99	41.07	69.92	54.86	21.26	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
	0,7,2	RGB	71.84	10.45	82.46	19.23	26.21	24.39	0.00	42.44	44.81	0.00	0.00
		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	65.51	47.80	89.19	43.49	54.63	50.83	38.43	66.40	61.60	25.77	35.22
	0,7,3	RGB	60.07	8.90	86.93	25.28	25.83	35.56	5.45	46.09	54.88	0.00	0.00
		Lab	81.95	72.96	95.05	76.00	68.07	75.65	71.58	80.41	82.81	55.14	54.11
		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
	0,7,4	RGB	48.04	5.40	82.20	29.60	23.43	46.68	14.10	46.88	64.18	0.00	0.00
		Lab	76.88	71.79	93.45	78.12	69.77	80.51	74.85	79.40	87.81	58.48	58.02
		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
	0,7,5	RGB	35.86	0.60	72.18	31.91	18.78	57.14	21.98	45.27	71.86	0.00	0.00
		Lab	71.99	70.26	89.46	79.42	70.65	85.06	77.71	77.71	92.51	61.56	61.53
		HSV	26.06	77.81	80.84	40.58	85.84	81.65	65.16	85.51	86.24	37.22	79.45
		Average	44.64	49.56	80.83	50.64	58.42	74.62	54.95	69.49	83.54	32.93	46.99
	0,7,6	RGB	23.26	0.00	60.66	32.25	12.75	66.94	28.91	40.87	75.23	0.00	5.83
		Lab	67.36	68.09	85.22	79.65	70.85	89.13	79.62	75.22	96.28	64.12	64.63
		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	49.62	72.98	50.36	55.79	81.83	59.15	65.78	88.31	34.45	52.43
	0,7,7	RGB	10.40	0.00	48.37	30.14	5.18	74.27	34.14	34.13	72.56	0.00	11.03
		Lab	62.73	65.61	80.72	78.81	70.10	92.30	80.74	72.36	96.25	66.22	67.17
		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
	1,0,0	RGB	89.35	15.63	65.82	10.81	27.41	5.02	0.00	35.01	23.57	0.00	0.00
		Lab	97.27	71.69	83.47	67.17	61.29	60.84	60.10	76.28	66.96	44.98	42.45
		HSV	92.82	19.09	36.99	65.77	33.76	18.15	34.14	39.81	20.36	40.34	19.43
		Average	93.15	35.47	62.09	47.91	40.82	28.0					

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)	
	1,1,2	HSV	82.56	29.83	46.92	71.56	44.70	29.38	44.45	50.54	31.56	47.03	30.65	
		Average	80.87	44.07	70.88	58.71	50.65	38.82	37.26	59.93	44.89	33.23	26.81	
		RGB	50.55	34.46	73.54	49.63	47.62	31.95	18.01	58.06	32.16	0.00	0.00	
		Lab	81.61	77.43	91.35	82.76	74.17	74.03	74.27	82.20	77.03	60.58	57.10	
		HSV	76.40	34.46	48.32	78.25	48.86	34.76	51.71	54.36	36.49	54.71	36.32	
	1,1,3	Average	69.52	48.78	71.07	70.22	56.88	46.91	48.00	64.87	48.56	38.43	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	
		Lab	74.35	76.91	87.81	89.92	78.63	79.02	80.22	80.98	79.34	67.80	63.54	
		HSV	69.41	38.40	48.51	83.76	52.05	39.57	58.72	57.03	40.77	62.27	41.45	
		Average	58.10	50.40	65.43	81.03	59.85	53.21	58.13	65.61	49.62	43.36	38.31	
	1,1,4	RGB	10.80	30.84	42.99	87.73	42.43	44.88	51.04	50.91	21.07	16.50	23.34	
		Lab	67.54	74.38	82.26	96.29	81.35	82.12	84.56	77.51	79.16	74.54	69.29	
		HSV	62.03	41.52	47.48	86.55	54.06	43.66	65.32	58.34	44.24	69.63	45.90	
		Average	46.79	48.91	57.58	90.19	59.28	56.89	66.97	62.25	48.16	53.56	46.18	
	1,1,5	RGB	0.00	20.25	24.51	87.27	30.70	42.29	62.44	36.91	9.65	36.51	34.30	
		Lab	60.96	70.60	76.27	95.86	81.82	82.94	86.62	72.92	76.99	81.01	74.36	
		HSV	54.47	43.69	45.31	85.02	54.76	46.87	71.23	58.15	46.74	76.61	49.49	
		Average	38.48	44.85	48.70	89.39	55.76	57.37	73.43	55.99	44.46	64.71	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	54.60	66.19	70.28	89.85	79.94	81.55	85.91	67.91	73.62	87.14	78.43	
		HSV	46.79	44.79	42.12	80.15	54.06	49.03	75.94	56.48	48.13	82.73	52.02	
		Average	33.80	39.09	39.39	79.58	49.90	54.92	75.74	48.31	40.58	75.29	57.02	
	1,1,7	RGB	0.00	0.00	0.00	48.74	0.00	21.89	57.47	2.30	0.00	74.85	41.29	
		Lab	48.26	61.30	64.10	83.63	76.49	78.06	82.63	62.49	69.10	92.99	81.04	
		HSV	39.04	44.75	38.07	73.73	52.05	50.01	78.64	53.50	48.32	86.73	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	97.69	71.24	83.21	66.71	60.97	60.54	59.65	75.85	66.71	44.53	42.11	
		HSV	79.25	29.75	51.67	61.33	45.31	28.50	38.99	51.26	31.38	37.24	29.18	
		Average	89.24	38.29	66.81	45.81	44.23	31.22	32.88	53.61	40.61	27.26	23.77	
	1,2,1	RGB	72.23	24.44	77.30	27.88	38.61	19.24	0.00	46.90	30.99	0.00	0.00	
		Lab	89.69	74.93	89.85	74.61	67.96	67.87	67.04	80.05	72.94	52.43	49.84	
		HSV	76.40	35.34	54.58	67.85	50.79	34.76	46.70	56.58	37.31	44.70	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	82.38	76.48	92.72	81.75	73.77	74.16	73.50	81.65	77.57	59.62	56.75
			HSV	71.55	40.39	56.22	73.58	55.51	40.62	54.32	60.98	42.74	52.00	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
		1,2,3	RGB	34.88	32.31	65.67	64.33	49.29	42.97	32.25	57.78	32.56	0.00	9.01
Lab			75.34	75.97	89.51	88.54	78.58	79.37	79.16	80.53	80.15	66.56	63.23	
HSV			65.52	44.75	56.44	77.89	59.21	45.95	61.80	64.15	47.52	59.06	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	68.74	73.78	84.14	94.23	81.54	83.17	83.59	77.53	80.67	73.00	69.06	
		HSV	58.84	48.26	55.24	79.85	61.60	50.57	69.05	65.72	51.47	65.72	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	
	1,2,5	RGB	0.00	18.97	32.28	85.99	34.86	49.46	60.08	39.70	16.81	29.40	35.75	
		Lab	62.36	70.30	78.28	95.40	82.61	84.74	85.93	73.27	78.94	79.11	74.39	
		HSV	51.77	50.72	52.71	78.80	62.43	54.26	75.86	65.49	54.36	71.72	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	0.00	6.45	14.30	72.54	21.38	43.47	65.91	24.69	4.58	47.39	44.82	
	1,2,6	Lab	56.21	66.18	72.43	90.66	81.32	84.00	85.81	68.55	75.91	84.79	78.93	
		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	0.00	0.00	0.00	54.65	5.83	32.84	61.85	8.01	0.00	64.04	48.63	
Lab		50.06	61.46	66.46	84.89	78.45	81.04	83.10	63.32	71.72	89.90	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	91.42	13.01	65.39	8.68	25.88	4.42	0.00	33.04	23.81	0.00	0.00	
	1,3,0	Lab	97.86	71.24	83.11	66.48	60.60	60.46	59.58	75.93	66.76	44.30	41.86	
		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	73.85	22.06	78.16	26.00	37.77	19.08	0.00	45.08	31.56	0.00	0.00	
		Lab	90.22	74.08	89.88	73.89	67.65	67.60	66.32	79.31	72.80	51.72	49.47	

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
	1,4,2	RGB	59.09	23.84	84.86	39.32	44.61	32.59	10.30	50.83	37.56	0.00	0.00
		Lab	83.49	74.52	94.77	79.84	73.11	74.09	71.86	80.19	78.09	57.86	56.07
		HSV	58.84	50.52	71.94	60.92	67.02	50.57	55.54	72.07	53.63	43.53	50.92
		Average	67.14	49.63	83.85	60.03	61.58	52.42	45.90	67.70	56.43	33.80	35.66
	1,4,3	RGB	42.38	24.24	76.70	54.02	48.46	45.42	25.17	53.35	39.10	0.00	6.56
		Lab	76.80	73.90	92.69	85.70	78.01	79.90	77.06	79.28	81.63	64.17	62.55
		HSV	54.47	55.88	72.29	63.70	72.22	57.11	63.27	76.69	59.69	49.40	57.79
		Average	57.88	51.34	80.56	67.81	66.23	60.81	55.17	69.77	60.14	37.86	42.30
	1,4,4	RGB	25.81	20.73	62.71	66.32	46.58	55.98	39.06	50.18	36.77	0.00	21.16
		Lab	70.80	72.11	87.65	90.01	81.18	84.57	81.08	76.98	83.27	69.70	68.18
		HSV	49.22	60.36	70.43	64.86	75.87	63.10	70.89	79.20	64.99	54.62	64.22
		Average	48.61	51.07	73.60	73.73	67.88	67.88	63.68	68.79	61.68	41.44	51.19
1,4,5	RGB	8.78	13.56	46.86	73.22	39.91	62.27	51.21	41.64	30.25	14.48	35.41	
	Lab	64.75	68.97	81.99	91.65	83.05	87.97	83.52	73.23	82.72	74.94	73.80	
	HSV	43.34	63.63	66.72	64.24	77.22	68.21	78.27	78.82	69.12	58.96	69.92	
	Average	38.96	48.72	65.19	76.37	66.73	72.82	71.00	64.56	60.70	49.46	59.71	
1,4,6	RGB	0.00	3.49	30.38	69.93	29.42	61.75	59.58	29.71	20.69	29.10	48.22	
	Lab	58.71	65.06	76.14	89.38	82.86	88.85	83.93	68.75	80.25	79.73	79.20	
	HSV	37.00	65.35	61.70	61.94	75.87	71.97	85.05	75.70	71.59	62.11	74.39	
	Average	31.90	44.64	56.07	73.75	62.72	74.19	76.19	58.05	57.51	56.98	67.27	
1,4,7	RGB	0.00	0.00	13.68	58.51	16.56	54.70	61.18	15.65	9.08	41.82	58.23	
	Lab	53.10	60.89	70.66	85.17	80.91	87.00	82.30	64.15	76.79	83.34	83.82	
	HSV	30.34	65.30	55.81	58.23	72.22	73.79	89.95	70.69	71.94	63.76	76.90	
	Average	27.81	42.06	46.72	67.31	56.56	71.83	77.81	50.16	52.60	62.97	72.98	
	1,5,0	RGB	92.26	11.39	65.25	7.55	25.28	4.21	0.00	31.76	23.89	0.00	0.00
		Lab	97.85	70.94	83.13	66.49	60.85	60.43	59.42	75.59	66.63	44.30	41.98
		HSV	55.88	41.12	71.17	45.88	57.09	39.34	38.80	61.90	43.40	26.14	38.78
		Average	81.99	41.15	73.18	39.97	47.74	34.66	32.74	56.42	44.64	23.48	26.92
	1,5,1	RGB	76.94	17.20	78.96	21.88	35.39	18.38	0.00	41.33	32.59	0.00	0.00
		Lab	90.73	72.92	90.06	72.87	67.05	67.43	65.47	78.41	72.92	50.75	48.99
		HSV	54.47	47.92	76.37	50.33	64.32	46.87	46.47	68.99	50.74	32.36	46.45
		Average	74.04	46.01	81.79	48.36	55.59	44.23	37.31	62.91	52.09	27.70	31.81
	1,5,2	RGB	61.42	20.17	88.18	35.74	43.02	32.35	7.54	48.01	38.95	0.00	0.00
		Lab	83.85	73.63	95.51	78.96	72.74	74.00	71.12	79.48	78.25	57.07	55.75
		HSV	51.77	54.34	79.69	53.83	71.18	54.26	54.06	75.54	57.87	38.19	54.03
		Average	65.68	49.38	87.79	56.18	62.31	53.54	44.24	67.68	58.36	31.75	36.59
1,5,3	RGB	45.72	19.88	82.23	48.60	46.89	45.81	21.26	50.42	42.02	0.00	4.71	
	Lab	77.45	72.86	94.39	84.04	77.22	80.00	75.95	78.66	82.40	62.79	61.93	
	HSV	47.99	60.21	80.18	56.16	77.31	61.42	61.49	80.98	64.65	43.50	61.46	
	Average	57.05	50.98	85.60	62.93	67.14	62.41	52.90	70.02	63.03	35.43	42.70	
1,5,4	RGB	29.83	16.26	68.56	59.24	46.04	58.03	34.12	47.81	41.15	0.00	19.37	
	Lab	71.34	70.88	89.02	87.85	80.62	85.25	79.74	76.25	84.60	68.10	67.77	
	HSV	43.34	65.24	77.65	57.11	81.96	68.21	68.67	84.16	70.83	48.12	68.63	
	Average	48.17	50.79	78.41	68.07	69.54	70.50	60.84	69.40	65.53	38.74	51.93	
1,5,5	RGB	13.74	9.60	53.35	65.31	40.51	67.31	45.37	40.67	36.35	6.78	33.64	
	Lab	65.52	68.13	83.38	89.41	82.40	89.32	82.26	72.95	84.54	72.95	73.21	
	HSV	38.02	69.02	72.94	56.61	83.81	74.33	75.37	83.67	75.95	51.87	75.33	
	Average	39.09	48.92	69.89	70.44	68.90	76.98	67.67	65.76	65.61	43.87	60.73	
1,5,6	RGB	0.00	0.05	37.40	63.86	31.44	70.37	53.24	29.76	27.96	19.61	47.52	
	Lab	59.64	64.38	77.60	87.82	82.57	91.04	82.74	68.66	82.28	77.25	78.62	
	HSV	32.18	71.07	66.96	54.70	81.96	79.17	81.09	79.78	79.21	54.53	81.03	
	Average	30.61	45.16	60.65	68.79	65.32	80.19	72.35	59.40	63.15	50.46	69.05	
1,5,7	RGB	0.00	0.00	21.28	55.79	19.62	65.21	56.42	17.25	17.47	30.78	58.97	
	Lab	54.18	60.41	72.23	84.26	80.82	89.70	81.47	64.29	79.09	80.33	83.24	
	HSV	25.94	71.00	60.29	51.54	77.31	81.69	84.66	73.97	79.69	55.90	84.59	
	Average	26.71	43.80	51.26	63.86	59.25	78.87	74.18	51.84	58.75	55.67	75.60	
	1,6,0	RGB	92.73	10.52	65.03	6.82	24.74	3.98	0.00	31.09	23.94	0.00	0.00
		Lab	98.01	70.94	83.03	66.25	60.48	60.35	59.34	75.66	66.68	44.07	41.73
		HSV	47.99	43.17	75.87	39.51	58.63	41.22	36.71	62.64	45.64	21.18	40.18
		Average	79.58	41.54	74.64	37.53	47.95	35.18	32.02	56.46	45.42	21.75	27.31
	1,6,1	RGB	78.34	14.72	78.80	19.63	33.86	17.82	0.00	39.40	3		

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
	1,7,3	HSV	37.00	58.32	93.57	39.02	73.61	57.95	47.48	75.22	62.54	26.09	56.41
		Average	62.13	47.71	94.05	48.20	61.42	54.30	39.69	65.17	60.74	27.19	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
		Lab	78.23	71.17	96.67	81.35	75.64	79.77	74.07	77.52	83.27	60.52	60.72
		HSV	34.06	64.84	95.35	40.76	80.49	65.88	53.84	80.57	70.36	30.46	64.33
	1,7,4	Average	54.30	48.88	94.60	53.32	66.19	63.58	46.98	67.08	66.66	30.33	41.88
		RGB	36.01	5.87	77.77	44.76	42.03	58.87	23.08	40.40	48.25	0.00	14.25
		Lab	72.40	69.19	91.04	84.25	78.73	85.31	77.36	75.29	86.32	65.08	66.22
		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
1,7,5	RGB	21.16	0.00	63.05	48.57	37.85	72.08	31.85	34.63	46.20	0.00	27.68	
	Lab	66.93	66.83	85.58	85.53	80.23	90.33	79.79	72.55	87.47	69.18	71.18	
	HSV	25.94	75.26	81.00	41.09	88.69	81.69	64.59	83.19	85.61	37.08	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	73.16	39.67	86.18	89.50	68.29	79.39	92.18	39.09	87.89	
	Average	29.48	47.14	67.09	57.47	65.68	88.80	62.41	58.11	72.92	37.48	68.15	
	RGB	0.00	0.00	32.82	43.25	20.48	83.57	41.49	15.62	31.79	8.66	52.06	
	Lab	56.05	59.85	74.71	82.08	79.20	94.14	79.88	64.74	83.12	75.27	80.38	
1,7,7	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	89.35	15.63	65.82	10.81	27.41	5.02	0.00	35.01	23.57	0.00	0.00	
	Lab	97.27	71.69	83.47	67.17	61.29	60.84	60.10	76.28	66.96	44.98	42.45	
	HSV	90.67	19.47	36.90	66.40	34.17	18.05	33.70	39.06	20.13	40.04	19.48	
	2,0,0	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
		Lab	88.44	76.23	89.54	76.00	68.81	68.30	68.23	81.03	72.96	53.81	50.66
		HSV	85.39	24.30	39.10	74.17	38.64	23.45	40.71	43.22	25.16	47.90	25.15
		Average	80.63	43.28	67.91	60.77	49.45	37.15	36.82	58.17	42.49	33.90	25.27
	2,0,1	RGB	46.72	37.75	69.28	53.49	48.75	31.50	20.62	59.43	29.55	0.00	0.00
		Lab	80.29	78.06	90.27	84.15	74.88	74.48	75.41	82.51	76.99	61.96	57.99
		HSV	78.41	28.57	40.31	81.80	42.36	28.38	47.46	46.52	29.65	55.72	30.37
		Average	68.47	48.13	66.62	73.15	55.33	44.79	47.83	62.82	45.39	39.23	29.45
		RGB	25.38	38.77	53.74	74.83	48.29	38.73	38.44	58.28	24.11	1.66	11.21
2,0,2	Lab	72.81	77.15	85.95	91.61	79.16	78.95	81.27	80.66	78.53	69.42	64.41	
	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	
	Lab	65.56	74.04	79.85	98.68	81.47	81.22	85.27	76.49	77.44	76.65	70.20	
2,0,3	HSV	63.25	34.99	39.58	93.74	46.92	36.38	59.61	49.87	36.55	71.17	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	
	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	
	2,0,4	Average	38.01	42.03	42.16	89.03	51.39	51.44	71.03	50.81	38.04	68.91	50.01
		RGB	0.00	3.19	0.00	60.76	8.74	23.33	59.88	12.86	0.00	65.82	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
		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
	2,0,5	RGB	0.00	0.00	0.00	39.33	0.00	9.23	48.29	0.00	0.00	86.81	33.24
		Lab	45.41	59.60	60.79	80.95	74.32	74.50	80.35	60.16	65.58	96.39	80.04
		HSV	39.79	37.88	31.24	76.58	45.17	41.93	70.25	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	25.06	44.31	64.96	40.24	23.45	36.56	44.99	25.85	38.99	24.63
		Average	90.79	37.11	64.57	47.51	43.04	29.77	32.17	51.77	38.76	27.99	22.40
		RGB	69.24	27.05	76.53	30.93	41.14	20.03	0.39	48.42	29.80	0.00	0.00
		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		



Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
	2,2,3	RGB	30.41	30.72	61.71	68.07	53.49	43.47	33.28	52.95	28.23	0.00	13.87
		Lab	72.65	73.57	87.40	90.44	81.82	80.59	79.40	77.64	79.53	68.85	66.27
		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
	2,2,4	RGB	10.33	24.62	44.10	83.59	47.65	47.80	47.24	44.16	19.99	16.04	29.36
		Lab	65.57	70.41	81.21	94.65	84.88	83.53	82.59	73.69	78.77	75.56	72.68
		HSV	58.41	48.86	55.11	80.95	62.32	50.40	68.13	64.43	51.11	65.21	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
	2,2,5	RGB	0.00	13.68	25.31	81.54	35.63	45.18	56.20	30.33	8.30	35.40	42.42
		Lab	58.71	66.10	74.73	91.98	85.19	83.56	83.03	68.66	75.82	81.76	78.53
		HSV	51.41	51.36	52.58	79.84	63.17	54.08	74.69	64.21	53.98	71.10	56.79
		Average	36.70	43.71	50.87	84.46	61.33	60.94	71.31	54.40	46.03	62.75	59.25
	2,2,6	RGB	0.00	0.00	6.00	64.72	20.10	36.37	56.80	13.80	0.00	53.87	50.96
		Lab	51.85	61.13	68.12	86.09	82.41	81.09	81.01	63.13	71.63	87.29	83.54
		HSV	44.15	52.63	48.93	76.00	62.32	56.60	80.21	62.27	55.59	75.78	59.77
		Average	32.00	37.92	41.02	75.60	54.94	58.02	72.67	46.40	42.41	72.31	64.75
	2,2,7	RGB	0.00	0.00	0.00	45.31	2.69	23.42	48.65	0.00	0.00	69.61	52.36
		Lab	45.44	55.98	61.88	80.01	78.15	77.12	77.31	57.59	66.91	90.65	86.70
		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
	2,3,0	RGB	90.44	13.39	66.12	9.59	27.23	5.07	0.00	33.18	23.69	0.00	0.00
		Lab	97.16	71.22	83.58	67.17	61.60	60.90	59.92	75.81	66.91	44.98	42.65
		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
	2,3,1	RGB	71.22	22.54	79.01	28.37	41.35	20.54	0.00	44.66	30.51	0.00	0.00
		Lab	88.49	73.74	90.81	75.42	69.69	68.82	67.22	78.84	73.39	53.26	51.29
		HSV	68.83	40.81	61.96	63.36	56.90	39.43	47.27	60.74	42.22	41.07	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
	2,3,2	RGB	51.89	27.22	78.65	46.79	51.70	34.42	14.84	50.89	32.76	0.00	0.00
		Lab	80.13	73.90	92.76	83.12	77.00	75.83	73.61	78.85	77.99	61.19	59.51
		HSV	65.01	46.38	63.93	68.27	62.38	45.80	54.98	65.67	48.17	47.86	46.87
		Average	65.68	49.16	78.45	66.06	63.69	52.02	47.81	65.14	52.97	36.35	35.46
	2,3,3	RGB	32.44	26.46	65.27	64.11	55.39	45.37	30.35	49.74	29.89	0.00	14.82
		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	54.98	49.92	72.44	75.10	68.32	59.38	57.10	65.13	54.40	40.87	44.94
	2,3,4	RGB	12.88	20.33	47.98	77.29	50.76	51.23	43.42	41.53	22.38	12.11	31.42
		Lab	65.37	68.57	81.48	92.53	86.40	84.17	80.97	72.14	78.97	74.76	73.67
		HSV	54.08	55.29	62.75	73.27	69.83	56.92	70.05	71.17	58.01	60.13	58.85
		Average	44.11	48.06	64.07	81.03	69.00	64.11	64.81	63.12	53.12	49.00	54.65
	2,3,5	RGB	0.00	9.86	29.51	77.03	39.60	50.03	51.86	28.56	11.33	30.16	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
		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
	2,3,6	RGB	0.00	0.00	10.52	63.44	24.66	42.10	52.97	12.86	0.00	46.84	57.67
		Lab	51.51	59.05	68.22	84.52	83.84	81.90	78.93	61.49	71.88	85.14	85.88
		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
	2,3,7	RGB	0.00	0.00	0.00	45.62	7.69	29.58	46.16	0.00	0.00	60.25	61.82
		Lab	45.02	53.81	61.89	78.59	79.26	77.82	75.23	55.90	67.12	87.35	90.04
		HSV	33.80	59.60	50.34	65.02	66.84	65.64	87.72	64.54	63.61	70.96	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
	2,4,0	RGB	90.70	12.64	66.19	9.17	27.16	5.08	0.00	32.57	23.72	0.00	0.00
		Lab	97.35	71.08	83.62	66.94	61.31	60.91	59.83	75.80	67.06	44.75	42.48
		HSV	63.25	38.62	65.10	52.23	54.80	36.38	39.43	58.49	39.88	30.29	36.48
		Average	83.76	40.78	71.63	42.78	47.76	34.12	33.09	55.62	43.55	25.01	26.32
	2,4,1	RGB	71.98	20.29	79.98	27.02	41.32	20.70	0.00	42.75	30.78	0.00	0.00
		Lab	88.18	72.81	91.11	75.30	70.19	69.02	66.87	77.94	73.45	53.18	51.65
		HSV	61.57	45.10	69.25	57.34	61.60	43.52	47.19	64.88	46.74	36.93	43.84
		Average	73.91	46.06	80.11	53.22	57.70	44.41	38.02	61.86	50.32	30.04	31.83
	2,4,2	RGB	53.12	23.65	81.36	44.27	52.11	35.05	12.72	47.85	33.49	0.00	0.00
		Lab	79.79	72.69	92.97	82.76	77.66	76.11	73.04	77.70	78.06	61.02	59.99
		HSV	58.41	51.15	71.73	61.47	67.87	50.40	54.90	70.50	53.25	43.22	51.01
		Average	63.77	49.16	82.02	62.84	65.88	53.85	46.89	65.35	54.94	34.75	37.00
	2,4,3	RGB	34.12	22.07	68.39	59.92	56.73	46.90	27.22	46.25	31.24	0.00	15.52
		Lab	72.27	70.36	88.20	88.15	83.45	81.68	77.30	74.92	80.21	67.70	67.45
		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	49.67	76.22	70.79	71.14	61.83	55.67	65.33	56.90	38.92	46.96
	2,4,4	RGB	14.98	15.73	51.30	70.96	53.13	54.10	39.23	38.35	24.35	7.95	32.99
		Lab	64.86	66.77	81.44	90.54	87.37	84.98	79.67	70.64	79.31	74.07	74.68
		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
	2,4,5	RGB	0.00	5.49	33.06	71.16	42.70	54.22	46.87	26.02	13.84	24.57	49.53
		Lab	57.82	62.11	74.72	87.79	87.72	85.16	79.32	65.41	76.29	79.19	81.50
		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
	2,4,6	RGB	0.00	0.00	14.31	60.14	28.27	47.06	48.01	11.01	0.77	39.43	63.63
		Lab	51.05	57.09	68.11	82.76	84.62	82.37	76.95	59.92	71.96	82.93	87.74
		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
	2,4,7	RGB	0.00	0.00	0.00	43.98	11.79	35.02	41.97	0.00	0.00	50.46	71.45
		Lab	44.50	51.80	61.66	77.01	79.85	77.96	73.16	54.26	66.97	84.40	92.84
		HSV	30.08	66.20	55.68	58.75	73.23	73.49	87.40	69.19	71.31	63.28	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
	2,5,0	RGB	90.89	11.88	66.24	8.75	27.08	5.08	0.00	31.95	23.74	0.00	0.00
		Lab	97.23	70.77	83.61	66.94	61.55	60.88	59.67	75.44	66.92	44.74	42.60
		HSV	55.48	41.65	70.97	466							

Color Ref	H, S, V 色相, 彩度, 明度	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
	2,5,4	HSV	47.65	61.00	79.89	56.65	78.55	61.21	60.75	78.74	64.15	43.18	61.58
		Average	51.63	49.21	79.65	66.48	73.34	63.77	53.72	65.01	58.93	36.84	48.50
		RGB	16.58	10.85	53.95	64.63	54.62	56.30	34.75	34.69	25.86	3.58	34.03
		Lab	64.51	65.14	81.33	88.67	88.18	85.21	78.16	69.23	79.26	73.10	75.29
		HSV	43.03	66.15	77.39	57.62	83.55	67.96	67.76	81.52	70.23	47.78	68.78
		Average	41.37	47.38	70.89	70.30	75.45	69.82	60.22	61.81	58.45	41.49	59.37
		RGB	0.00	0.65	35.85	64.59	44.80	57.55	41.38	22.79	15.77	18.70	51.80
		Lab	57.41	60.43	74.52	85.94	88.39	85.30	77.59	64.00	76.18	77.78	82.33
		HSV	37.73	70.04	72.72	57.11	85.60	74.01	74.23	81.10	75.22	51.51	75.51
		Average	31.71	43.71	61.03	69.21	72.93	72.29	64.40	55.96	55.72	49.33	69.88
	2,5,6	RGB	0.00	0.00	17.36	55.06	30.85	51.16	41.98	8.20	3.12	31.46	68.55
		Lab	50.52	55.22	67.80	80.95	84.97	82.40	74.98	58.36	71.77	80.77	89.09
		HSV	31.91	72.16	66.78	55.17	83.55	78.78	79.62	77.66	78.37	54.14	81.26
		Average	27.48	42.46	50.65	63.73	66.46	70.78	65.53	48.07	51.09	55.46	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
		Lab	43.70	49.77	61.07	75.19	79.75	77.69	71.10	52.53	66.54	81.75	95.27
		HSV	25.70	72.09	60.14	51.98	78.55	81.25	82.88	72.29	78.83	55.50	84.88
		Average	23.13	40.62	40.40	55.94	57.62	66.04	63.55	41.61	48.46	59.39	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
		Lab	97.23	70.77	83.61	66.94	61.55	60.88	59.67	75.44	66.92	44.74	42.60
	2,6,0	HSV	47.65	43.72	75.63	39.86	59.30	41.09	36.25	61.45	45.31	20.95	40.26
		Average	78.64	41.87	75.17	38.38	49.28	35.68	31.97	56.07	45.33	21.90	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
		Lab	87.87	71.59	91.65	74.85	70.40	69.34	66.39	76.93	73.79	52.82	51.90
		HSV	46.46	50.87	82.06	43.84	67.02	48.87	43.58	68.43	52.96	26.73	48.15
		Average	69.09	46.08	84.99	47.63	59.47	46.36	36.66	61.41	52.62	26.52	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
		Lab	79.30	70.74	93.45	81.79	78.20	76.61	72.05	75.99	78.45	60.43	60.52
		HSV	44.15	57.74	86.75	46.91	74.59	56.60	50.71	74.83	60.48	32.07	56.02
		Average	59.38	48.31	88.55	55.86	68.28	56.32	43.67	64.12	57.78	30.83	38.85
	2,6,3	RGB	36.27	12.99	72.81	51.08	57.55	48.73	20.47	38.61	32.96	0.00	16.10
		Lab	71.34	67.74	87.86	86.22	84.48	82.38	75.65	72.57	80.42	66.90	68.48
		HSV	40.85	64.16	87.52	48.92	81.84	64.23	57.56	80.08	67.81	36.86	63.85
		Average	49.49	48.30	82.73	62.07	74.62	65.11	51.23	63.76	60.40	34.59	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
		Lab	64.05	63.97	81.10	87.36	88.34	85.59	77.28	68.23	79.40	72.50	75.79
		HSV	36.72	69.85	83.80	49.73	88.16	71.69	63.95	83.09	74.75	40.97	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
		Lab	56.87	59.07	74.13	84.42	88.50	85.29	76.29	62.81	75.98	76.75	82.98
	2,6,5	HSV	31.91	74.30	77.74	49.30	91.22	78.78	69.59	82.63	80.89	44.24	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
		Lab	49.99	53.94	67.39	79.64	84.83	82.21	73.68	57.26	71.49	79.43	89.84
		HSV	26.56	76.80	70.76	47.66	88.16	84.99	74.00	78.93	85.20	46.51	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
		Lab	43.32	48.54	60.81	74.05	79.62	77.54	69.80	51.52	66.35	79.93	96.41
		HSV	20.76	76.72	63.39	44.90	81.84	88.75	76.47	73.31	85.88	47.67	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
	2,7,0	RGB	91.10	10.38	66.29	7.90	26.89	5.06	0.00	30.71	23.76	0.00	0.00
		Lab	97.13	70.62	83.72	66.93	61.62	60.96	59.65	75.33	67.01	44.74	42.68
		HSV	39.79	44.71	78.28	33.12	59.35	41.93	33.29	60.54	46.44	15.54	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	73.15	13.50	81.54	22.75	40.70	20.87	0.00	36.88	31.17	0.00	0.00
		Lab	87.54	70.93	91.77	74.70	70.68	69.48	66.13	76.32	73.86	52.74	52.14
		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	55.02	12.82	86.41	36.06	51.58	35.83	5.89	38.32	34.61	0.00	0.00
		Lab	78.93	69.91	93.52	81.40	78.41	76.91	71.70	75.27	78.69	60.24	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	56.89	47.27	90.88	52.28	68.22	56.83	41.51	62.35	58.45	28.70	39.11
		RGB	36.71	8.34	73.78	46.50	57.00	48.98	16.89	34.55	33.31	0.00	15.98
		Lab	71.08	67.12	87.74	85.71	84.59	82.58	75.28	72.04	80.53	66.67	68.70
		HSV	33.80	65.74	94.22	41.12	81.95	65.64	53.22	78.37	69.77	30.21	64.46
		Average	47.20	47.07	85.25	57.78	74.51	65.73	48.46	61.65	61.20	32.29	49.72
		RGB	18.23	0.16	56.79	51.59	54.68	58.34	24.83	25.98	27.41	0.00	34.45
		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	37.34	45.00	75.26	59.95	77.19	72.46	53.42	58.18	61.31	35.31	60.99
	2,7,4	RGB	0.00	0.00	38.79	50.18	45.51	60.79	29.13	14.37	17.75	6.07	53.10
		Lab	56.54	58.32	73.90	83.58	88.34	85.34	62.18	75.93	76.16	83.28	88.28
		HSV	25.70	76.55	80.69	41.46	91.45	81.25	63.78	80.69	84.42	36.80	80.34
		Average	27.42	44.96	64.46	58.41	75.10	75.79	56.17	52.41	59.37	39.68	72.24
		RGB	0.00	0.00	20.35	42.26	32.04	54.98	28.68	0.49	5.39	15.62	71.92
		Lab	49.59	53.06	67.09	78.71	84.52	82.11	72.84	56.51	71.35	78.49	90.24
		HSV	20.76	79.32	72.94	40.03	88.32	88.75	67.40	77.30	90.17	38.80	88.26
		Average	23.45	44.13	53.46	53.67	68.29	75.28	56.31	44.77	55.64	44.30	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
		Lab	42.93	47.71	60.50	73.23	79.28	77.36	68.99	50.81	66.16	78.86	96.91
	2,7,7	HSV	15.37	79.23	65.10	37.61	81.95	94.73	69.33	72.01	91.23	39.81	96.07
		Average	19.43	42.31	42.40	46.90	59.14	71.77	53.92	40.94	52.47	46.79	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
		Lab	97.27	71.69	83.47	67.17	61.29	60.84	60.10	76.28	66.96	44.98	42.45
		HSV	88.15	20.17	36.66	66.78	34.45	17.84	33.13	38.18	19.80	39.60	19.43
		Average	91.59	35.83	61.98	48.25	41.05	27.90	31.08	49.82	36.78	28.19	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
		Lab	88.67	76.32	89.26	75.77	68.54	68.00	68.04	81.07	72.71	53.58	50.36
		HSV	83.67	25.04	38.85	74.67	38.94	23.23					



Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
	3,0,4	RGB	4.71	33.02	35.36	95.28	40.64	38.67	52.10	47.60	13.49	22.23	23.10
		Lab	65.79	74.24	79.92	98.55	81.46	80.88	85.03	76.62	77.21	76.43	69.92
		HSV	62.53	35.85	39.34	96.26	47.27	36.11	58.68	48.80	36.14	70.26	38.94
		Average	44.35	47.70	51.54	96.70	56.46	51.89	65.27	57.67	42.28	56.31	43.99
	3,0,5	RGB	0.00	20.50	15.76	83.00	26.71	33.37	60.84	31.73	0.47	43.62	32.09
		Lab	58.77	69.95	73.54	94.29	81.06	80.77	86.36	71.52	74.41	83.42	74.76
		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
	3,0,6	RGB	0.00	4.57	0.00	61.83	10.03	22.83	58.99	13.50	0.00	64.76	35.55
		Lab	52.20	65.05	67.31	87.73	78.65	78.37	84.32	66.03	70.36	89.90	78.25
		HSV	47.14	38.81	34.64	84.93	47.27	40.80	67.09	47.28	39.50	83.85	44.29
		Average	33.11	36.14	33.98	78.16	45.32	47.33	70.13	42.27	36.62	79.50	52.70
3,0,7	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	
	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	
	3,1,0	RGB	89.92	14.90	65.65	10.23	27.35	4.73	0.00	34.20	23.27	0.00	0.00
		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	25.81	44.05	65.32	40.55	23.23	35.97	44.01	25.49	38.56	24.57
		Average	90.27	37.36	64.39	47.58	43.14	29.59	31.97	51.38	38.53	27.85	22.38
	3,1,1	RGB	69.89	27.21	75.47	30.23	41.33	18.80	0.00	47.66	28.55	0.00	0.00
		Lab	88.79	75.10	89.46	75.53	69.12	67.94	67.38	79.81	72.44	53.33	50.60
		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
	3,1,2	RGB	49.68	34.93	71.88	50.36	50.77	30.71	17.09	55.84	29.13	0.00	0.00
		Lab	80.62	76.49	90.78	83.62	75.75	74.32	74.27	80.92	76.60	61.44	58.24
		HSV	74.59	35.79	47.92	79.88	49.76	34.38	50.35	52.23	35.80	53.74	36.32
		Average	68.30	49.07	70.19	71.29	58.76	46.47	47.23	63.00	47.17	38.39	31.52
3,1,3	RGB	29.44	36.28	57.93	70.33	52.80	38.74	33.55	55.38	24.57	0.00	10.89	
	Lab	73.35	75.32	86.83	90.65	80.67	78.96	79.53	79.00	78.30	68.62	64.87	
	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	
3,1,4	RGB	9.33	31.07	40.55	88.79	46.77	40.94	47.13	46.47	15.52	17.44	24.43	
	Lab	66.08	72.30	80.68	96.54	83.75	81.47	83.10	75.02	77.34	75.73	71.05	
	HSV	60.88	43.02	47.09	89.38	55.08	43.21	63.45	56.02	43.45	68.20	45.90	
	Average	45.43	48.80	56.11	91.57	61.86	55.21	64.56	59.17	45.43	53.79	47.13	
3,1,5	RGB	0.00	20.23	21.91	86.27	34.51	37.27	55.92	32.39	3.53	37.52	35.25	
	Lab	59.25	68.17	74.38	93.87	83.99	81.39	83.94	70.11	74.50	82.28	76.31	
	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	
3,1,6	RGB	0.00	6.06	2.83	67.27	19.16	28.17	56.17	15.72	0.00	57.07	41.22	
	Lab	52.65	63.32	68.16	87.69	81.63	79.35	82.21	64.75	70.72	88.29	80.65	
	HSV	45.96	46.38	41.76	81.95	55.08	48.54	73.32	54.26	47.28	80.32	52.02	
	Average	32.87	38.59	37.58	78.97	51.95	52.02	70.56	44.91	39.33	75.23	57.96	
3,1,7	RGB	0.00	0.00	0.00	47.13	1.74	15.63	48.13	0.00	0.00	75.69	41.23	
	Lab	46.28	58.22	61.97	81.45	77.70	75.56	78.56	59.20	66.04	93.00	83.18	
	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	
	3,2,0	RGB	90.45	14.11	65.48	9.65	27.28	4.48	0.00	33.39	23.01	0.00	0.00
		Lab	97.43	71.22	83.28	66.94	61.33	60.61	59.73	75.77	66.65	44.75	42.36
		HSV	77.21	30.99	51.25	62.22	46.16	28.14	37.91	49.27	30.74	36.54	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
	3,2,1	RGB	71.31	25.02	76.16	28.62	41.57	18.46	0.00	45.43	28.30	0.00	0.00
		Lab	88.86	74.19	89.86	75.25	69.38	68.08	66.97	79.02	72.56	53.07	50.77
		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
	3,2,2	RGB	52.12	31.75	74.39	47.44	52.26	30.37	14.06	52.44	29.06	0.00	0.00
		Lab	80.87	75.13	91.31	82.99	76.30	74.28	73.32	79.65	76.46	60.89	58.39
		HSV	70.02	41.86	55.75	74.90	56.55	40.20	52.88	58.52	41.97	51.08	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
3,2,3	RGB	32.89	32.98	61.79	65.79	56.57	38.94	29.15	52.09	25.11	0.00	10.71	
	Lab	73.28	73.47	87.16	89.78	82.15	79.13	78.17	77.27	78.09	68.15	65.57	
	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	
3,2,4	RGB	13.62	28.41	45.36	81.99	52.65	42.60	41.82	44.49	17.09	12.38	25.26	
	Lab	66.40	70.38	81.34	94.05	85.92	81.70	80.95	73.40	77.25	74.60	71.83	
	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	
3,2,5	RGB	0.00	18.97	27.63	84.86	42.12	40.41	50.16	31.98	6.02	30.96	37.61	
	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	36.80	45.91	51.65	85.87	64.16	58.72	68.35	54.44	44.70	60.64	57.34	
3,2,6	RGB	0.00	6.10	9.33	70.17	27.77	32.91	51.81	16.72	0.00	48.90	46.19	
	Lab	52.91	61.53	68.66	86.88	84.36	79.73	79.87	63.31	70.64	86.15	82.54	
	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	
3,2,7	RGB	0.00	0.00	0.00	51.93	11.42	21.56	46.09	0.00	0.00	65.14	49.01	
	Lab	46.49	56.43	62.47	80.87	80.15	76.14	76.49	57.82	66.13	89.73	86.00	
	HSV	36.30	53.78	44.12	70.89	60.35	57.35	81.43	57.58	55.22	77.25	61.21	
	Average	27.60	36.73	35.53	67.90	50.64	51.68	68.00	38.47	40.45	77.37	65.40	
	3,3,0	RGB	90.93	13.37	65.28	9.07	27.20	4.18	0.00	32.58	22.69	0.00	0.00
		Lab	97.43	71.22	83.								

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
	3,3,5	HSV	53.50	56.55	62.35	73.75	70.45	56.53	68.81	69.36	57.38	59.47	58.74
		Average	45.81	50.07	64.54	80.25	72.10	60.60	61.38	60.96	50.85	46.71	52.24
		RGB	0.00	16.72	32.83	79.67	49.39	42.68	43.79	30.51	7.93	24.05	39.06
		Lab	59.40	64.14	75.10	90.06	89.27	81.91	79.16	66.77	74.20	79.21	78.84
		HSV	47.14	59.51	59.38	72.93	71.54	60.78	75.55	69.10	60.71	64.39	63.57
	3,3,6	Average	35.52	46.79	55.77	80.89	70.06	61.79	66.17	55.46	47.61	55.89	60.49
		RGB	0.00	5.17	15.35	70.11	36.27	36.54	45.89	16.62	0.00	40.08	49.79
		Lab	52.93	59.51	68.92	85.38	86.83	79.88	77.41	61.67	70.44	83.64	84.22
		HSV	40.40	61.05	55.17	69.96	70.45	63.76	81.32	66.88	62.62	68.08	67.16
		Average	31.11	41.91	46.48	75.15	64.52	60.06	68.21	48.39	44.35	63.94	67.06
	3,3,7	RGB	0.00	0.00	0.00	54.39	20.62	26.52	42.05	1.03	0.00	54.32	55.74
		Lab	46.68	54.59	62.86	79.87	82.43	76.35	74.21	56.37	66.02	86.24	88.34
		HSV	33.39	61.00	50.05	65.38	67.40	65.15	84.95	63.05	62.88	70.06	69.08
		Average	26.69	38.53	37.64	66.55	56.82	56.01	67.07	40.15	42.97	70.21	71.05
		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	62.53	39.53	64.68	52.50	55.21	36.11	38.81	57.21	39.44	29.91	36.41
		Average	83.69	40.95	71.05	42.64	47.99	33.57	32.78	54.76	42.82	24.88	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
		Lab	88.74	72.33	90.04	74.60	69.92	68.01	65.93	77.24	72.32	52.49	50.99
	3,4,1	HSV	60.88	46.12	68.77	57.64	62.08	43.21	46.48	63.37	46.24	36.50	43.76
		Average	74.49	46.36	78.47	52.45	57.92	42.83	37.47	60.45	48.61	29.66	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
		Lab	80.53	72.15	91.54	81.81	77.73	74.28	71.48	76.77	76.01	60.07	59.07
		HSV	57.78	52.30	71.21	61.80	68.45	50.06	54.07	68.72	52.69	42.75	50.92
	3,4,2	Average	64.87	49.84	80.30	61.62	66.83	51.15	44.46	63.62	52.35	34.27	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
		Lab	73.24	70.01	87.56	87.09	84.18	78.99	75.24	74.13	77.55	66.51	66.25
		HSV	53.50	57.89	71.55	64.65	73.93	56.53	61.50	72.77	58.61	48.52	57.79
		Average	55.14	51.07	75.76	69.31	73.52	57.97	52.33	63.79	53.84	38.35	44.58
	3,4,3	RGB	21.15	21.36	53.50	68.02	63.40	43.49	30.16	38.22	18.59	1.39	24.98
		Lab	66.18	66.54	81.52	89.57	89.46	81.54	77.06	70.01	76.55	72.35	73.05
		HSV	48.35	62.61	69.74	77.86	62.42	68.69	74.88	63.74	53.65	64.22	64.22
		Average	45.23	50.17	68.25	74.48	76.91	62.48	58.63	61.04	52.96	42.46	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
	3,4,4	Lab	59.34	62.16	75.14	87.77	91.59	81.58	76.76	65.07	73.72	77.28	79.47
		HSV	42.56	66.09	66.11	65.21	79.33	67.43	75.39	74.57	67.72	57.89	69.92
		Average	35.10	47.27	59.53	75.25	75.70	64.31	63.04	55.89	50.21	50.67	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
		Lab	52.80	57.51	68.87	83.54	88.88	79.48	74.90	59.96	69.88	81.06	85.24
	3,4,5	HSV	36.30	67.95	61.16	62.85	77.86	71.09	81.11	71.91	70.06	60.96	74.39
		Average	29.70	42.77	50.18	71.06	70.21	63.25	65.07	49.03	46.65	57.73	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
		Lab	46.20	52.26	62.49	78.00	83.81	75.76	71.49	54.36	65.23	82.89	90.17
		HSV	29.70	67.89	55.35	59.06	73.93	72.85	84.69	67.48	70.40	62.56	76.90
	3,4,6	Average	25.30	40.05	40.44	63.68	62.34	59.68	64.12	40.86	45.21	62.84	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
		Lab	97.12	70.60	83.49	66.93	61.71	60.74	59.52	75.19	66.68	44.74	42.63
		HSV	54.88	42.61	70.46	46.51	58.17	38.93	37.72	59.38	42.62	25.54	38.78
		Average	81.19	41.68	73.03	40.50	48.97	34.53	32.41	55.24	43.91	23.43	27.14
	3,4,7	RGB	74.78	18.37	76.60	23.40	41.70	16.77	0.00	38.49	26.83	0.00	0.00
		Lab	88.41	71.58	90.09	74.47	70.31	68.08	65.60	76.50	72.25	52.41	51.25
		HSV	53.50	49.61	75.50	51.02	65.63	46.40	45.24	65.94	49.85	31.71	46.45
		Average	72.23	46.52	80.73	49.63	59.21	43.75	36.95	60.31	49.64	28.04	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
	3,5,0	Lab	80.31	70.93	91.56	81.17	78.14	74.31	70.71	75.64	75.91	59.63	59.29
		HSV	50.86	56.28	78.69	54.58	72.82	53.71	52.63	71.77	56.83	37.48	54.03
		Average	63.04	49.60	83.15	57.91	68.59	52.08	42.66	63.06	53.49	32.37	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
		Lab	72.89	68.42	87.19	85.87	85.04	78.72	73.92	72.61	77.02	65.85	66.57
	3,5,2	HSV	47.14	62.45	79.16	56.94	79.43	60.78	59.80	76.34	63.42	42.72	61.46
		Average	53.69	50.67	78.89	64.63	76.34	58.94	49.74	63.05	55.09	36.19	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
		Lab	65.74	64.77	81.03	87.65	90.89	81.01	75.28	68.35	75.79	71.35	73.46
		HSV	42.56	67.83	76.74	57.92	84.72	67.43	66.61	78.80	69.35	47.27	68.63
	3,5,3	Average	44.13	49.84	71.42	68.88	81.05	63.81	55.37	60.44	54.60	39.54	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
		Lab	59.06	60.45	74.85	85.79	93.25	80.99	74.76	63.55	73.06	75.68	79.80
		HSV	37.30	71.96	72.18	57.40	86.95	73.37	72.80	78.43	74.17	50.96	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
	3,5,4	RGB	0.00	0.00	24.87	60.88	50.70	40.63	31.60	12.57	0.00	21.76	52.88
		Lab	52.37	55.53	68.46	81.55	90.11	78.75	72.57	58.22	69.10	78.75	85.82
		HSV	31.52	74.23	66.34	55.46	84.72	77.99	77.84	75.36	77.17	53.57	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
	3,5,5	Lab	45.90	50.34	62.18	76.29	84.74	75.01	69.13	52.70	64.47	79.89	90.72
		HSV	25.34	74.16	59.77	52.25	79.43	80.36	80.80	70.40	77.61	54.90	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	91.86	11.09	64.87	7.47	26.93	3.60	0.00	30.34	22.10	0.00	0.00
		Lab	97.43	70.62	83.42	66.71	61.35	60.68	59.46	75.29	66.75	44.52	42.39
	3,6,0	HSV	47.14	44.71	75.03	40.07	59.76	40.80	35.66	60.07	44.83	20.62	40.18
		Average	78.81	42.14	74.44	38.							

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
	3,6,5	RGB	9.91	4.41	43.63	56.79	66.47	43.46	22.44	20.23	9.80	1.80	37.67
		Lab	58.58	58.88	74.35	84.04	94.25	80.36	73.08	62.12	72.38	74.37	80.07
		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
	3,6,6	RGB	0.00	0.00	28.03	53.64	56.31	40.25	23.42	8.95	0.00	12.22	51.34
		Lab	52.00	53.93	68.03	79.85	90.75	77.94	70.64	56.79	68.34	76.77	85.84
		HSV	26.20	79.33	70.26	47.90	89.84	83.90	72.59	76.50	83.50	46.02	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
	3,6,7	RGB	0.00	0.00	12.00	45.37	42.69	33.27	21.10	0.00	0.00	20.78	63.16
		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	21.99	42.70	45.59	55.13	70.20	64.95	54.46	40.91	49.29	48.56	81.83
	3,7,0	RGB	92.07	10.29	64.61	6.87	26.81	3.33	0.00	29.53	21.82	0.00	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
		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
	3,7,1	RGB	76.15	13.81	75.63	19.69	41.29	15.30	0.00	33.78	25.46	0.00	0.00
		Lab	87.93	70.25	89.52	73.98	70.80	67.72	64.71	75.08	71.60	52.01	51.37
		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
	3,7,2	RGB	60.19	14.42	79.09	31.24	54.76	25.89	0.00	34.37	25.89	0.00	0.00
		Lab	79.80	68.84	90.59	79.90	78.79	73.70	69.08	73.53	74.98	58.75	59.40
		HSV	36.30	60.45	90.90	39.58	75.41	57.35	46.23	71.49	61.37	25.49	56.41
		Average	58.77	47.90	86.86	50.24	69.65	52.31	38.44	59.80	54.08	28.08	38.60
	3,7,3	RGB	44.18	12.04	71.93	40.75	65.94	34.37	6.06	31.18	23.03	0.00	6.02
		Lab	72.37	66.24	86.36	83.95	85.94	77.97	71.93	70.50	76.00	64.68	66.72
		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
	3,7,4	RGB	28.14	6.54	59.41	46.71	71.77	39.83	11.63	24.40	17.20	0.00	20.80
		Lab	65.26	62.31	80.31	84.81	92.26	79.87	72.61	66.07	74.57	69.46	73.48
		HSV	29.70	73.78	86.97	42.05	90.03	72.85	58.02	78.43	76.16	33.50	72.24
		Average	41.03	47.54	75.57	57.86	84.69	64.18	47.42	56.30	55.98	34.32	55.51
	3,7,5	RGB	12.02	0.00	45.00	48.55	69.16	41.36	14.82	15.30	8.93	0.00	35.09
		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	31.88	45.63	66.27	57.68	86.05	67.09	49.79	51.50	54.44	36.59	65.06
	3,7,6	RGB	0.00	0.00	29.83	45.46	59.58	38.64	15.07	4.33	0.00	2.77	48.40
		Lab	51.70	52.96	67.61	78.81	91.01	77.15	69.40	55.86	67.62	75.62	85.57
		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
	3,7,7	RGB	0.00	0.00	14.27	38.14	46.63	32.13	12.32	0.00	0.00	9.48	59.67
		Lab	45.20	47.86	61.29	73.88	85.13	73.32	66.03	50.43	62.91	76.36	89.86
		HSV	15.05	82.10	64.68	37.81	83.00	92.13	68.12	70.14	88.59	39.37	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
	4,0,0	RGB	89.51	15.65	65.53	10.63	27.40	4.71	0.00	34.80	23.22	0.00	0.00
		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	90.73	35.97	61.73	48.23	41.15	27.65	30.80	49.39	36.43	28.00	20.58
	4,0,1	RGB	68.36	29.39	74.59	31.79	41.00	19.09	0.98	49.87	28.73	0.00	0.00
		Lab	88.67	76.22	89.17	75.77	68.64	67.92	67.95	80.91	72.57	53.58	50.38
		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
	4,0,2	RGB	47.37	38.23	68.89	52.77	49.26	30.23	19.46	58.84	28.46	0.00	0.00
		Lab	80.51	78.02	89.96	83.92	74.86	74.00	75.01	82.32	76.44	61.73	57.73
		HSV	75.70	30.01	39.67	82.71	42.85	27.78	45.87	44.57	28.77	54.34	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
	4,0,3	RGB	26.38	39.95	53.79	73.72	49.49	36.90	36.55	57.95	22.84	0.43	9.90
		Lab	73.03	77.08	85.78	91.38	79.38	78.33	80.69	80.42	77.85	69.19	64.18
		HSV	68.86	33.69	39.83	90.54	45.68	32.10	52.02	46.75	32.56	61.83	34.76
		Average	56.09	50.24	59.80	85.21	58.18	49.11	56.42	61.71	44.41	43.81	36.28
	4,0,4	RGB	5.22	33.75	35.56	94.69	41.36	37.90	51.10	47.69	13.05	21.60	22.46
		Lab	65.79	74.14	79.87	98.50	81.62	80.74	84.83	76.49	77.03	76.42	69.95
		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
	4,0,5	RGB	0.00	21.83	16.24	83.96	27.96	32.46	59.32	32.16	0.00	42.53	31.14
		Lab	58.99	69.93	73.67	94.48	81.44	80.54	85.93	71.48	74.21	83.17	74.70
		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
	4,0,6	RGB	0.00	5.97	0.00	62.83	11.29	22.23	58.04	14.09	0.00	63.63	34.80
		Lab	52.42	65.20	67.40	87.95	78.92	78.08	84.09	66.11	70.14	89.66	78.03
		HSV	46.48	39.58	34.28	85.17	47.45	40.36	65.70	46.31	38.92	81.78	44.05
		Average	32.97	36.92	33.89	78.65	45.89	69.28	42.17	36.35	78.36	52.29	
	4,0,7	RGB	0.00	0.00	0.00	41.84	0.00	8.62	47.55	0.00	0.00	84.16	32.31
		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	28.21	33.13	30.59	66.83	40.23	41.36	65.06	34.73	34.82	88.50	52.47
	4,1,0	RGB	90.07	14.86	65.38	10.06	27.34	4.47	0				

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
	4,1,6	HSV	52.74	46.11	44.51	87.80	56.00	45.92	67.53	54.68	45.26	73.41	49.23
		Average	37.54	46.00	47.40	89.84	59.65	53.57	67.40	52.66	40.35	63.09	52.40
		RGB	0.00	9.88	4.37	69.78	23.04	26.02	52.83	17.16	0.00	53.57	38.44
		Lab	53.27	63.57	68.43	88.11	82.61	78.50	81.42	64.84	70.08	87.43	80.02
		HSV	45.31	47.26	41.36	82.15	55.29	48.04	71.62	53.14	46.61	78.59	51.74
	4,1,7	Average	32.86	40.23	38.05	80.02	53.65	50.85	68.62	45.05	38.89	73.20	56.73
		RGB	0.00	0.00	0.00	50.43	6.35	14.13	46.03	0.00	0.00	71.37	38.92
		Lab	46.90	58.53	62.30	81.95	78.69	74.99	78.07	59.38	65.59	92.13	82.68
		HSV	37.75	47.22	37.35	75.21	53.22	49.00	73.87	50.36	46.79	81.67	53.02
		Average	28.21	35.25	33.22	69.20	46.09	46.04	65.99	36.58	37.46	81.72	58.21
	4,2,0	RGB	90.74	14.08	64.93	9.30	27.26	3.91	0.00	32.99	22.36	0.00	0.00
		Lab	97.43	71.22	83.28	66.94	61.33	60.61	59.73	75.77	66.65	44.75	42.36
		HSV	75.70	31.67	50.76	62.32	46.34	27.78	37.16	48.26	30.23	35.98	28.99
		Average	87.95	38.99	66.33	46.19	44.98	30.77	32.30	52.34	39.75	26.91	23.78
		RGB	72.19	25.19	74.44	27.54	41.77	16.61	0.00	44.26	26.42	0.00	0.00
	4,2,1	Lab	89.01	73.96	89.23	75.01	69.38	67.53	66.51	78.60	71.88	52.83	50.51
		HSV	73.23	37.43	53.61	69.05	51.93	33.98	44.61	53.23	36.04	43.27	35.49
		Average	78.14	45.53	72.43	57.20	54.36	39.38	37.04	58.70	44.78	32.03	28.67
	4,2,2	RGB	53.64	32.56	72.73	45.56	53.31	27.13	11.24	50.84	26.23	0.00	0.00
		Lab	81.23	74.82	90.64	82.47	76.31	73.40	72.50	79.11	75.46	60.40	57.94
		HSV	68.86	42.67	55.22	75.05	56.77	39.77	51.90	57.29	41.36	50.36	41.63
	4,2,3	Average	67.91	50.02	72.86	67.69	62.13	46.77	45.21	62.41	47.68	36.92	33.19
		RGB	35.07	34.93	61.24	63.03	59.25	34.39	24.96	50.77	21.83	0.00	7.43
		Lab	73.84	73.27	86.73	88.94	82.34	77.64	76.89	76.79	76.62	67.39	64.81
		HSV	63.28	47.22	55.44	79.67	60.59	45.01	58.94	60.16	46.02	57.15	47.28
		Average	57.40	51.81	67.80	77.21	67.40	52.35	53.60	62.57	48.16	41.51	39.84
	4,2,4	RGB	16.49	31.74	45.86	78.53	57.19	37.24	36.28	44.07	13.85	8.45	20.90
		Lab	66.93	70.23	81.16	93.13	86.62	80.05	79.52	72.99	75.80	73.76	71.04
		HSV	56.94	50.90	54.26	81.82	63.08	49.54	65.58	61.57	49.85	63.46	52.27
		Average	46.79	50.96	60.43	84.49	68.96	55.61	60.46	59.54	46.50	48.56	48.07
		RGB	0.00	23.69	29.07	84.27	48.04	35.08	43.71	32.68	3.17	25.98	32.27
	4,2,5	Lab	60.27	66.25	75.21	92.03	87.99	80.43	80.17	68.40	73.46	79.64	76.74
		HSV	50.14	53.50	51.78	80.67	63.94	53.15	71.55	61.36	52.64	69.02	56.38
		Average	36.81	47.81	52.02	85.66	66.66	56.22	65.14	54.15	43.09	58.21	55.13
	4,2,6	RGB	0.00	12.09	11.66	73.03	34.73	28.35	45.62	18.54	0.00	42.80	40.31
		Lab	53.84	61.71	69.09	87.19	86.08	78.42	78.59	63.32	69.69	84.65	81.43
		HSV	43.05	54.84	48.19	76.69	63.08	55.62	76.32	59.57	54.21	73.34	59.33
	4,2,7	Average	32.29	42.88	42.98	78.97	61.29	54.13	66.85	47.14	41.30	66.93	60.36
		RGB	0.00	0.00	0.00	56.38	19.26	18.17	41.45	2.84	0.00	58.06	43.58
		Lab	47.40	56.69	62.85	81.35	81.94	74.88	75.38	57.86	65.14	88.20	84.79
		HSV	35.75	54.80	43.69	71.02	60.59	56.75	79.07	56.37	54.43	75.74	60.86
		Average	27.72	37.16	35.52	69.58	53.93	49.94	65.30	39.02	39.86	74.00	63.08
	4,3,0	RGB	91.33	13.30	64.45	8.54	27.16	3.34	0.00	31.97	21.75	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	68.86	36.34	57.62	57.91	51.32	32.10	38.11	52.64	34.88	33.08	32.97
		Average	85.83	40.23	68.41	44.47	46.66	31.97	32.56	53.38	41.02	25.94	25.12
		RGB	73.85	23.02	73.93	25.34	41.94	15.26	0.00	41.45	25.13	0.00	0.00
	4,3,1	Lab	89.17	72.93	89.01	74.46	69.51	67.19	65.72	77.54	71.43	52.31	50.39
		HSV	66.90	42.56	60.96	63.81	57.55	38.73	45.69	58.13	41.16	40.02	39.90
		Average	76.64	46.17	74.64	54.54	56.34	40.39	37.14	59.04	45.90	30.78	30.10
	4,3,2	RGB	56.36	29.37	73.71	41.73	54.75	25.28	7.07	46.67	24.79	0.00	0.00
		Lab	81.21	73.09	90.32	81.61	77.07	72.90	71.13	77.32	74.66	59.74	58.04
		HSV	63.28	48.32	62.88	68.79	63.13	45.01	53.15	62.72	46.98	46.68	46.54
		Average	66.95	50.26	75.64	64.04	64.98	47.73	43.78	62.23	48.81	35.47	34.86
		RGB	38.86	31.50	63.94	57.23	63.40	32.39	19.05	46.34	20.67	0.00	5.66
	4,3,3	Lab	73.77	71.29	86.69	87.51	83.64	77.30	75.18	74.91	75.99	66.54	65.16
		HSV	58.43	53.42	63.15	72.35	67.70	50.81	60.41	66.04	52.19	52.93	52.77
		Average	57.02	52.07	71.26	72.36	71.58	53.50	51.55	62.43	49.62	39.82	41.20
	4,3,4	RGB	21.48	29.10	49.88	70.14	64.92	35.41	28.49	40.49	13.16	1.38	18.92
		Lab	66.97	68.11	81.12	90.53	88.79	79.36	77.06	71.03	74.89	72.35	71.39
		HSV	52.74	57.64	61.73	73.89	70.78	55.93	67.35	67.71	56.56	58.60	58.42
		Average	47.06	51.61	64.24	78.19	74.83	56.90	57.63	59.74	48.20	44.11	49.58
		RGB	3.95	22.38	34.29	76.53	58.17	34.37	34.94	30.65	3.41	16.98	30.87
	4,3,5	Lab	60.22	64.02	75.04	89.39	91.11	79.49	77.21	66.36	72.33	77.69	77.32
		HSV	46.48	60.68	58.80	73.07	71.88	60.12	73.72	67.47	59.82	63.41	63.20
		Average	36.88	49.03	56.04	79.66	73.72	58.00	61.95	54.82	45.19	52.69	57.13
	4,3,6	RGB	0.00	12.40	18.00	71.23	46.26	29.12	37.05	18.14	0.00	31.64	40.26
		Lab	53.68	59.35	68.89	85.08	89.05	77.57	75.46	61.21	68.63	81.88	82.48
		HSV	39.81	62.27	54.65	70.08	70.78	63.05	78.97	65.35	61.68	66.98	66.76
		Average	31.16	44.67	47.18	75.46	68.70	56.58	63.83	48.23	43.44	60.17	63.16
		RGB	0.00	0.13	1.32	58.48	31.85	20.48	34.43	4.00	0.00	44.56	45.76
	4,3,7	Lab	47.58	54.51	63.03	79.89	84.73	74.34	72.41	56.02	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
		Average	26.81	38.95	37.98	67.96	61.42	53.08	62.99	40.57	42.11	65.87	66.88
	4,4,0	RGB	91.73	12.55	64.23	7.96	27.07	3.03	0.00	31.16	21.42	0.00	0.00
		Lab	97.59	70.93	83.21	66.72	61.21	60.50	59.49	75.50	66.57	44.52	42.23
		HSV	61.59	40.30	64.01	52.57	55.42	35.71	38.05	56.01	38.85	29.41	36.20
		Average	83.64	41.26	70.48	42.42	47.90	33.08	32.52	54.22	42.28	24.64	26.14
		RGB	75.30	20.74	73.17	23.11	41.98	13.91	0.00	38.64	23.83	0.00	0.00
	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
		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
	4,4,2	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	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
	4,4,3	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	65.40	65.09

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
	4,4,6	RGB	0.00	10.80	23.09	65.11	57.52	28.23	27.60	15.96	0.00	20.23	38.26
		Lab	53.52	57.05	68.60	82.74	91.66	76.48	72.44	59.17	67.51	78.83	82.75
		HSV	35.75	69.44	60.56	62.95	78.30	70.21	78.79	70.12	68.90	60.06	73.87
	4,4,7	Average	29.75	45.76	50.75	70.27	75.82	58.31	59.61	48.42	45.47	53.04	64.96
		RGB	0.00	0.00	7.54	56.01	44.03	21.02	25.49	3.08	0.00	30.70	45.29
		Lab	47.11	52.05	62.46	77.71	86.29	73.10	69.32	53.82	63.11	80.54	86.70
	4,5,0	HSV	29.20	69.38	54.82	59.15	74.30	71.91	81.90	65.92	69.22	61.62	76.33
		Average	25.44	40.48	41.61	64.29	68.21	55.35	58.90	40.94	44.11	57.62	69.44
		RGB	92.17	11.76	63.71	7.19	26.95	2.45	0.00	30.15	20.80	0.00	0.00
	4,5,1	Lab	97.21	70.43	83.06	66.70	61.59	60.32	59.18	74.89	66.18	44.51	42.37
		HSV	54.10	43.43	69.67	46.58	58.40	38.50	36.98	58.13	42.00	25.07	38.56
		Average	81.16	41.87	72.15	40.16	48.98	33.76	32.05	54.39	42.99	23.19	26.98
	4,5,2	RGB	76.49	18.46	72.14	20.83	41.88	12.45	0.00	35.81	22.41	0.00	0.00
		Lab	88.77	71.03	88.57	73.72	70.07	66.77	64.48	75.60	70.71	51.67	50.49
		HSV	52.74	50.54	74.56	51.10	65.91	45.92	44.40	64.45	49.15	31.19	46.21
	4,5,3	Average	72.67	46.68	78.42	48.55	59.29	41.71	36.29	58.62	47.42	27.62	32.23
		RGB	60.71	22.40	73.42	33.77	56.25	21.02	0.00	38.10	21.29	0.00	0.00
		Lab	80.74	70.14	89.63	79.99	78.08	72.29	68.97	74.42	73.65	58.56	58.27
	4,5,4	HSV	50.14	57.36	77.61	54.66	73.17	53.15	51.65	69.99	56.02	36.91	53.74
		Average	63.87	49.97	80.22	56.14	69.17	48.82	40.21	60.84	50.32	31.82	37.34
		RGB	45.02	23.20	66.21	44.98	69.28	26.87	6.82	36.26	16.92	0.00	0.96
	4,5,5	Lab	73.17	67.46	85.60	84.29	85.56	75.99	71.65	71.19	74.18	64.56	65.40
		HSV	46.48	63.71	78.06	57.03	79.90	60.12	58.65	74.24	62.46	42.10	61.12
		Average	54.89	51.46	76.62	62.10	78.25	54.33	45.71	60.56	51.19	35.55	42.49
	4,5,6	RGB	29.32	20.76	54.56	53.51	78.38	29.74	12.94	30.79	10.05	0.00	13.37
		Lab	66.20	63.93	80.11	85.89	92.15	77.86	72.76	67.14	73.01	69.67	71.88
		HSV	41.95	69.31	75.75	58.00	85.36	66.64	65.24	76.48	68.21	46.60	68.21
	4,5,7	Average	45.82	51.33	70.14	65.80	85.30	58.08	50.31	58.14	50.42	38.76	51.15
		RGB	13.51	15.27	41.09	57.90	77.66	29.54	16.82	22.54	1.39	0.00	24.91
		Lab	59.44	59.62	73.96	84.23	96.61	77.35	71.99	62.31	70.04	73.71	77.68
	4,6,0	HSV	36.74	73.67	71.34	57.49	87.71	72.41	71.14	76.15	72.83	50.24	74.79
		Average	36.56	49.52	62.13	66.54	87.32	59.77	53.31	53.67	48.09	41.32	59.13
		RGB	0.00	7.13	26.81	56.18	68.28	25.82	17.35	11.98	0.00	8.40	34.52
	4,6,1	Lab	52.87	54.77	67.83	80.34	92.89	75.25	69.78	57.10	66.27	76.32	82.80
		HSV	31.01	76.11	65.64	55.54	85.36	76.84	75.83	73.34	75.67	52.81	80.34
		Average	27.96	46.01	53.43	64.02	82.18	59.30	54.32	47.47	47.31	45.84	65.88
	4,6,2	RGB	0.00	0.00	11.97	49.61	55.09	19.16	15.15	0.18	0.00	16.75	41.45
		Lab	46.58	49.81	61.79	75.55	86.99	71.83	66.59	51.81	61.87	77.33	86.37
		HSV	24.87	76.03	59.18	52.32	79.90	79.08	78.51	68.70	76.08	54.12	83.75
	4,6,3	Average	23.82	41.95	44.31	59.16	73.99	56.69	53.42	40.23	45.98	49.40	70.52
		RGB	92.42	10.95	63.47	6.59	26.84	2.19	0.00	29.34	20.52	0.00	0.00
		Lab	97.13	70.28	83.16	66.70	61.67	60.41	59.16	74.78	66.27	44.50	42.45
	4,6,4	HSV	46.48	45.56	74.09	40.13	60.00	40.36	34.94	58.79	44.19	20.17	39.96
		Average	78.67	42.27	73.58	37.81	49.50	34.32	31.37	54.31	43.66	21.56	27.47
		RGB	77.31	16.12	71.22	18.71	41.65	11.27	0.00	33.18	21.27	0.00	0.00
	4,6,5	Lab	88.16	70.05	88.19	73.48	70.57	66.60	63.93	74.56	70.29	51.53	50.73
		HSV	45.31	53.00	80.03	44.13	67.88	48.04	42.10	65.24	51.65	25.89	47.81
		Average	70.26	46.39	79.81	45.44	60.04	41.97	35.34	57.66	47.74	25.81	32.85
	4,6,6	RGB	62.20	18.66	72.17	29.66	56.26	18.65	0.00	33.73	19.26	0.00	0.00
		Lab	80.33	68.87	88.96	79.24	78.48	71.88	68.00	73.13	73.02	58.05	58.33
		HSV	43.05	60.23	84.11	47.21	75.72	55.62	49.03	70.93	58.94	31.16	55.62
	4,6,7	Average	61.86	49.26	81.75	52.04	70.16	48.72	39.01	59.26	50.41	29.74	37.98
		RGB	47.09	18.46	65.71	38.81	70.36	23.69	0.77	30.87	14.57	0.00	0.00
		Lab	72.92	66.06	85.08	82.95	85.90	75.37	70.30	69.85	73.47	63.65	65.28
	4,7,0	HSV	39.81	67.14	84.74	49.24	83.46	63.05	55.61	75.34	65.93	35.89	63.37
		Average	53.27	50.55	78.51	57.00	79.91	54.04	42.23	58.69	51.33	33.18	42.88
		RGB	31.96	15.42	54.93	45.26	82.62	26.05	5.20	25.02	7.69	0.00	9.89
	4,7,1	Lab	65.84	62.39	79.37	84.08	92.94	76.75	70.97	65.63	71.86	68.43	71.62
		HSV	35.75	73.45	81.58	50.06	90.83	70.21	61.68	77.69	72.40	39.92	71.01
		Average	44.52	50.42	71.96	59.80	88.80	57.67	45.95	56.11	50.65	36.12	50.84
	4,7,2	RGB	16.89	9.60	42.27	47.68	86.49	25.39	7.13	16.59	0.00	0.00	20.33
		Lab	58.96	57.87	73.27	82.19	98.55	76.27	69.97	60.68	68.97	72.03	77.45
		HSV	31.01	78.64	76.08	49.63	95.43	76.84	66.93	77.34	77.88	43.13	78.42
	4,7,3	Average	35.62	48.70	63.87	59.83	93.49	59.50	48.01	51.53	48.95	38.39	58.74
		RGB	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
	4,7,4	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	59.37	48.48	45.50	48.84	39.87	65.56
		RGB	0.00	0.00	14.45	40.59	63.66	15.63	4.17	0.00	0.00	2.99	35.58
	4,7,5	Lab	45.93	47.92	60.93	73.61	86.90	70.38	64.27	50.04	60.52	74.78	85.41
		HSV	19.98	81.62	62.35	45.20	83.46	85.43	73.12	69.60	82.01	46.49	90.28
		Average	21.97	43.18	45.91	53.13	78.01	57.14	47.19	39.88	47.51	41.42	70.43
	4,7,6	RGB	92.64	10.15	62.92	5.82	26.69	1.61	0.00	28.33	19.88	0.00	0.00
		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
	4,7,7	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.									

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	25.43	45.67	55.58	50.93	88.62	58.36	43.73	42.52	49.84	36.87	63.70
		RGB	0.00	0.00	14.83	29.90	68.06	10.41	0.00	0.00	0.00	0.00	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
		HSV	14.64	84.93	64.01	37.87	83.58	89.34	66.69	68.45	85.81	38.78	92.86
	4,7,7	Average	20.08	43.91	46.43	46.73	79.46	56.40	43.18	39.15	48.51	37.30	68.43
		RGB	89.51	15.65	65.53	10.63	27.40	4.71	0.00	34.80	23.22	0.00	0.00
		Lab	97.24	71.52	83.35	67.17	61.45	60.72	59.96	76.03	66.73	44.98	42.49
		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
	5,0,0	RGB	68.30	29.83	74.09	31.81	41.00	18.69	0.88	49.97	28.31	0.00	0.00
		Lab	88.67	76.32	89.26	75.77	68.54	68.00	68.04	81.07	72.71	53.58	50.36
		HSV	79.34	26.17	37.94	74.61	39.11	22.44	38.40	42.45	23.75	45.89	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
	5,0,1	Lab	80.51	78.02	89.96	83.92	74.86	74.00	75.01	82.32	76.44	61.73	57.73
		HSV	73.94	30.56	39.13	82.42	42.86	27.30	44.86	45.69	28.15	53.37	29.80
		Average	67.26	49.09	65.85	73.04	55.65	43.69	46.40	62.32	44.21	38.37	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
		Lab	73.04	77.27	85.65	91.38	79.24	78.17	80.72	80.55	77.71	69.19	64.05
	5,0,2	HSV	67.47	34.26	39.29	90.01	45.69	31.59	50.88	47.92	31.90	60.68	34.42
		Average	55.61	50.65	59.48	85.04	58.13	48.72	56.00	62.17	44.02	43.42	36.01
		RGB	5.15	34.60	35.12	94.62	41.30	36.91	50.69	47.83	12.37	21.52	21.69
		Lab	66.01	74.32	79.92	98.26	81.61	80.40	84.58	76.61	76.79	76.19	69.66
		HSV	60.45	37.18	38.42	95.88	47.47	35.17	56.28	48.99	34.90	67.68	38.36
	5,0,3	Average	43.87	48.70	51.15	96.25	56.79	50.83	63.85	57.81	41.35	55.13	43.24
		RGB	0.00	22.56	15.91	83.97	27.92	31.55	58.85	32.28	0.00	42.43	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
		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
	5,0,4	RGB	0.00	6.88	0.00	62.89	11.27	21.10	57.40	14.26	0.00	63.44	33.50
		Lab	52.43	65.45	67.29	87.96	78.66	77.77	84.19	66.27	69.94	89.70	77.62
		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
	5,0,5	Lab	46.08	60.24	61.21	81.62	74.95	74.16	80.33	60.65	65.38	95.74	79.48
		HSV	38.05	40.18	30.21	77.06	45.69	40.61	65.87	44.97	38.35	82.73	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
		Lab	97.46	71.37	83.17	66.94	61.25	60.52	59.74	75.87	66.56	44.75	42.28
	5,0,6	HSV	79.34	26.95	43.05	65.28	40.72	22.44	34.39	44.19	24.43	37.27	24.10
		Average	88.94	37.86	63.75	47.44	43.11	29.03	31.38	51.38	37.86	27.34	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
		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
	5,0,7	Average	78.58	45.24	69.36	59.25	52.01	37.59	36.21	58.62	42.84	32.61	26.79
		RGB	50.47	36.90	69.74	49.28	51.41	27.50	15.04	55.20	26.27	0.00	0.00
		Lab	81.06	76.68	89.99	83.16	75.45	73.31	73.63	80.83	75.55	60.99	57.57
		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	50.24	68.86	70.75	58.94	44.76	45.67	62.82	45.46	37.68	31.11
	5,1,0	RGB	30.71	39.63	56.51	68.58	54.45	33.99	30.23	55.04	21.06	0.00	7.53
		Lab	73.77	75.60	86.20	90.16	80.62	77.49	78.63	78.90	76.83	68.15	64.08
		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	10.96	35.59	39.86	86.56	49.30	35.42	42.75	46.85	12.01	14.88	20.01
	5,1,1	Lab	66.73	72.77	80.61	95.99	83.84	79.93	82.10	75.19	76.11	75.04	70.04
		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
		Lab	59.90	68.77	74.37	94.23	84.36	79.77	83.01	70.37	73.31	81.56	75.11
	5,1,2	HSV	51.81	46.81	43.92	87.39	56.02	45.28	65.87	56.06	44.45	71.79	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
		Lab	53.55	64.31	68.38	88.50	82.21	77.77	81.63	65.35	69.65	87.43	78.93
		HSV	44.50	47.98	40.80	81.86	55.31	47.37	69.73	54.47	45.78	76.61	51.28
	5,1,3	Average	32.68	41.58	37.47	80.07	53.48	49.31	67.53	45.80	38.48	72.37	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
		Lab	47.18	59.23	62.30	82.31	78.44	74.44	78.33	59.87	65.27	92.36	81.53
		HSV	37.04	47.94	36.84	75.00	53.23	48.32	71.82	51.61	45.97	79.39	52.55
		Average	28.07	35.72	33.05	69.30	45.99	44.60	64.90	37.22	37.08	80.81	56.29
	5,1,4	RGB	90.68	14.47	64.59	9.33	27.27	3.58	0.00	33.08	21.99	0.00	0.00
		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	32.22	50.11	62.18	46.35	27.30	36.29	49.46	29.59	35.29	28.68
		Average	87.35	39.31	65.99	46.15	44.99	30.50	32.00	52.77	39.41	26.68	23.68
		RGB	72.03	26.42	73.02	27.60	41.78	15.54	0.00	44.56	25.28	0.00	0.00
	5,1,5	Lab	89.33	74.40	88.66	74.81	68.93	67.05	66.39	78.90	71.44	52.62	50.04
		HSV	71.61	38.04	52.92	68.88	51.94	33.46	43.62	54.56	35.35	42.49	35.15
		Average	77.66	46.28	71.53	57.10	54.22						



Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
	5,2,7	RGB	0.00	2.42	0.00	56.45	19.05	12.74	39.06	3.49	0.00	57.05	36.18
		Lab	47.98	57.86	63.00	82.10	81.73	74.09	75.83	58.72	64.71	88.57	82.87
		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
	5,3,0	RGB	91.28	13.68	64.12	8.57	27.18	3.02	0.00	32.07	21.38	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	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
	5,3,1	RGB	73.65	24.60	72.13	25.44	41.97	13.90	0.00	41.84	23.68	0.00	0.00
		Lab	89.14	73.06	88.48	74.45	69.52	66.81	65.58	77.48	70.93	52.30	50.23
		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
	5,3,2	RGB	56.04	32.37	70.48	41.86	54.70	22.50	6.41	47.33	22.20	0.00	0.00
		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	66.48	51.71	74.05	64.06	64.87	46.41	43.19	63.15	47.48	35.21	34.60
	5,3,3	RGB	38.45	35.85	60.39	57.35	63.17	28.04	17.92	47.19	17.14	0.00	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
		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
	5,3,4	RGB	21.03	34.09	46.68	70.20	64.51	29.92	26.90	41.33	9.24	1.02	14.63
		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	46.73	53.93	62.78	78.29	74.41	54.41	56.58	60.91	46.26	43.64	47.61
	5,3,5	RGB	3.45	28.04	31.16	76.46	57.65	27.62	32.70	31.49	0.00	16.42	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
		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
	5,3,6	RGB	0.00	18.38	14.95	71.11	45.75	21.61	34.28	18.98	0.00	30.79	31.78
		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	31.14	47.47	45.93	75.69	68.35	53.34	62.20	49.45	42.79	59.53	59.42
	5,3,7	RGB	0.00	6.24	0.00	58.42	31.39	12.67	31.35	4.85	0.00	43.37	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
		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
	5,4,0	RGB	91.64	13.27	63.60	8.02	27.11	2.45	0.00	31.35	20.75	0.00	0.00
		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	83.21	41.70	69.90	42.40	47.95	32.63	32.18	54.71	41.71	24.43	26.01
	5,4,1	RGB	75.08	22.70	71.02	23.24	42.04	12.22	0.00	39.12	22.04	0.00	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
		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
	5,4,2	RGB	58.37	29.70	69.92	38.00	55.74	19.82	2.08	43.26	19.93	0.00	0.00
		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	54.11	69.31	61.76	68.78	48.86	51.89	69.03	51.03	41.37	50.20
		Average	65.19	52.03	76.15	60.20	67.26	46.83	41.32	62.84	48.10	33.50	35.94
	5,4,3	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
		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
	5,4,4	RGB	25.15	31.76	48.50	62.14	71.48	26.16	19.04	37.19	6.95	0.00	11.10
		Lab	67.11	67.22	80.24	88.75	89.67	77.15	74.96	69.85	72.79	71.14	70.45
		HSV	46.83	64.93	67.93	65.80	78.33	60.84	65.58	75.27	61.60	51.96	63.24
		Average	46.36	54.64	65.56	72.23	79.83	54.72	53.19	60.77	47.11	41.03	48.26
	5,4,5	RGB	8.62	26.59	34.25	67.46	67.49	24.23	23.43	28.27	0.00	7.14	20.78
		Lab	60.55	63.27	74.52	87.81	92.69	77.16	74.94	65.36	70.35	76.00	76.00
		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
	5,4,6	RGB	0.00	18.41	19.02	65.07	56.76	18.90	24.55	17.04	0.00	19.33	27.94
		Lab	54.13	58.64	68.54	83.91	90.92	75.20	73.08	60.28	66.68	79.56	80.66
		HSV	35.06	70.70	59.74	62.81	78.33	69.06	76.31	72.26	67.50	58.96	73.03
		Average	29.73	49.25	49.10	70.60	75.34	54.39	57.98	49.86	44.73	52.62	60.54
	5,4,7	RGB	0.00	7.94	3.36	55.90	43.27	10.67	21.86	4.19	0.00	29.41	31.60
		Lab	48.03	53.98	62.73	79.14	86.22	72.12	70.29	55.25	62.56	81.70	83.91
		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
	5,5,0	RGB	92.09	12.47	63.10	7.25	26.99	1.88	0.00	30.34	20.13	0.00	0.00
		Lab	97.27	70.58	82.95	66.70	61.52	60.24	59.20	75.00	66.09	44.51	42.29
		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
	5,5,1	RGB	76.27	20.74	69.72	21.00	41.97	10.50	0.00	36.39	20.35	0.00	0.00
		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	72.33	47.83	77.04	48.58	59.28	40.73	35.97	59.49	46.32	27.42	32.02
	5,5,2	RGB	60.33	26.80	68.76	34.05	56.34	17.02	0.00	39.11	17.52	0.00	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
		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
	5,5,3	RGB	44.53	29.24	60.99	45.32	69.24	21.00	5.46	37.50	12.00	0.00	0.00
		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	64.77	76.62	56.91	79.94	59.26	57.33	76.75	61.29	41.34	60.55
		Average	54.64	54.23	74.25	62.31	78.00	51.71	44.87	62.10	48.85	35.32	41.66
	5,5,4	RGB	28.73	28.12	49.40	53.87	77.98	22.01	11.03	32.14	4.25	0.00	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
		HSV	41.19	70.57	74.44	57.88	85						

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
	5,6,0	HSV	24.28	77.66	58.39	52.22	79.94	77.48	76.06	70.73	74.29	53.16	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
		Lab	97.27	70.58	82.95	66.70	61.52	60.24	59.20	75.00	66.09	44.51	42.29
		HSV	45.65	46.26	72.87	40.05	60.02	39.78	34.09	60.31	43.40	19.61	39.59
		Average	78.42	42.96	72.79	37.81	49.48	33.77	31.10	54.98	43.00	21.37	27.29
		RGB	77.09	19.10	68.19	18.95	41.80	8.74	0.00	33.96	18.60	0.00	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
		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
	5,6,2	RGB	61.86	23.70	67.08	30.05	56.48	14.13	0.00	34.92	14.99	0.00	0.00
		Lab	80.69	69.84	88.44	79.56	78.12	71.27	68.24	73.84	72.44	58.22	57.84
		HSV	42.27	61.19	82.18	47.12	75.75	54.84	47.95	73.12	57.87	30.52	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
		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	68.31	82.74	49.13	83.51	62.12	54.38	77.97	64.65	35.20	62.76
		Average	53.01	53.65	75.73	57.34	79.84	51.22	41.67	60.34	48.76	33.05	42.44
		RGB	31.40	23.95	48.93	45.86	82.69	17.35	3.20	26.70	1.00	0.00	2.86
		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
		Lab	59.75	59.53	73.44	83.53	97.13	75.39	70.76	61.94	68.44	72.71	76.11
		HSV	30.37	80.49	74.75	49.52	95.60	75.39	65.29	80.23	75.95	42.36	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
		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	26.44	50.48	52.82	58.14	86.96	54.49	47.14	47.38	47.97	39.95	60.32
	5,6,7	RGB	0.00	3.89	8.59	41.01	62.91	2.64	0.55	0.00	0.00	2.02	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
		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
		RGB	92.58	11.23	62.03	5.91	26.76	0.73	0.00	28.61	18.88	0.00	0.00
		Lab	97.39	70.29	82.87	66.48	61.39	60.13	58.97	74.74	66.01	44.28	42.16
		HSV	38.05	47.30	75.22	33.28	60.07	40.61	31.22	59.43	44.49	14.29	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
		Lab	88.39	70.25	87.47	73.27	70.30	65.96	63.64	74.55	69.60	51.32	50.28
	5,7,1	HSV	37.04	55.02	81.52	36.84	67.97	48.32	37.95	65.99	52.00	19.59	47.80
		Average	67.72	47.43	78.53	42.26	59.92	40.42	33.86	57.25	46.15	23.64	32.69
		RGB	62.90	20.43	64.96	25.99	56.16	11.15	0.00	30.69	12.34	0.00	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
		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
		Lab	73.10	66.28	84.40	82.76	85.71	74.27	69.85	69.80	72.39	63.42	64.63
		HSV	32.20	70.10	86.75	41.31	83.63	63.45	50.32	76.41	66.43	28.70	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
	5,7,2	RGB	33.24	19.04	47.18	37.61	84.42	12.07	0.00	20.64	0.00	0.00	0.00
		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	42.56	52.86	69.71	54.43	89.49	52.75	41.97	54.95	47.90	33.45	47.30
		RGB	18.49	14.10	35.15	38.60	92.50	9.06	0.00	12.13	0.00	0.00	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
		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
		Lab	52.59	53.14	66.80	78.21	93.59	72.66	66.98	55.35	64.02	73.68	80.81
	5,7,6	HSV	19.43	87.85	70.43	40.21	91.13	83.21	63.36	75.43	82.40	37.08	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
		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	20.10	45.26	44.09	47.38	79.69	51.85	42.90	40.14	47.48	37.44	61.91
		RGB	89.28	16.02	65.47	10.83	27.42	4.69	0.00	35.10	23.19	0.00	0.00
		Lab	97.28	71.84	83.35	67.16	61.21	60.75	60.11	76.38	66.86	44.98	42.37
		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
	6,0,0	RGB	68.09	30.20	73.84	32.00	40.95	18.63	1.06	50.27	28.23	0.00	0.00
		Lab	88.67	76.40	88.99	75.77	68.54	67.81	67.97	81.04	72.45	53.58	50.29
		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
		Lab	80.52	78.33	89.87	83.92	74.62	73.96	75.15	82.63	76.48	61.73	57.60
		HSV	71.96	30.97	38.45	81.63	42.72	26.71	44.30	46.67	27.41	52.25	29.36
		Average	66.46	49.57	65.38	72.90	55.43	43.40	46.38	62.92	43.89	37.99	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
		Lab	73.05	77.57	85.59	91.39	78.95	78.12	80.91	80.85	77.75	69.20	63.90
	6,0,2	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
		RGB	4.54	35.15	34.29	95.10	40.52	36.19	51.07	47.96	11.82	22.03	21.17
		Lab	65.80	74.65	79.59	98.55	81.16	80.20	84.97	76.82	76.64	76.43	69.49
		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</							

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
	6,1,0	RGB	89.79	15.62	64.98	10.29	27.38	4.13	0.00	34.39	22.57	0.00	0.00
		Lab	97.51	71.69	83.16	66.94	61.01	60.55	59.90	76.22	66.69	44.76	42.16
		HSV	76.91	27.35	42.33	64.88	40.59	21.88	33.92	45.14	23.73	36.43	23.69
		Average	88.07	38.22	63.49	47.37	42.99	28.85	31.27	51.92	37.66	27.06	21.95
	6,1,1	RGB	69.60	29.30	73.01	30.32	41.33	16.97	0.00	48.16	26.60	0.00	0.00
		Lab	89.07	75.71	88.67	75.31	68.57	67.32	67.26	80.24	71.87	53.12	50.02
		HSV	74.32	32.74	44.74	72.22	45.58	27.57	40.96	49.80	29.01	43.78	29.69
		Average	77.66	45.92	68.81	59.28	51.83	37.29	36.07	59.40	42.49	32.30	26.57
	6,1,2	RGB	49.22	39.06	67.87	50.45	50.61	26.85	16.08	56.76	25.56	0.00	0.00
		Lab	81.14	77.49	89.71	83.21	74.88	73.14	73.96	81.61	75.53	61.02	57.22
		HSV	69.80	37.58	37.58	46.08	79.12	49.81	32.80	47.73	53.56	33.75	50.94
		Average	66.72	51.38	67.88	70.93	58.43	44.26	45.92	63.97	44.95	37.32	30.83
	6,1,3	RGB	28.87	42.35	53.83	70.32	52.43	32.48	31.67	56.55	19.69	0.00	6.61
		Lab	73.65	76.85	85.71	90.58	79.62	77.24	79.46	79.98	76.77	68.46	63.60
		HSV	64.06	41.74	46.26	84.94	53.06	37.46	54.13	56.18	37.84	57.82	40.33
		Average	55.53	53.64	61.93	81.95	61.70	49.06	55.08	64.24	44.77	42.09	36.84
	6,1,4	RGB	8.75	37.94	36.86	88.52	46.31	33.04	44.21	47.62	10.13	16.81	18.31
		Lab	66.60	73.91	80.05	96.79	82.60	79.30	82.89	76.03	75.72	75.39	69.30
		HSV	57.61	45.05	45.28	88.01	55.12	41.41	59.97	57.46	41.14	64.26	44.69
		Average	44.32	52.30	54.06	91.11	61.35	51.25	62.36	60.37	42.33	52.15	44.10
	6,1,5	RGB	0.00	27.66	18.41	86.18	34.08	28.07	51.68	33.56	0.00	36.53	26.57
		Lab	60.02	70.11	74.11	94.91	82.77	79.11	84.04	71.43	73.08	81.82	73.86
		HSV	50.72	47.36	43.19	86.32	55.83	44.49	64.97	57.27	43.50	69.96	48.19
		Average	36.91	48.38	45.24	89.13	57.56	50.55	66.90	54.09	38.86	62.77	49.54
	6,1,6	RGB	0.00	13.36	0.00	67.53	18.88	18.99	51.50	16.92	0.00	55.66	30.62
		Lab	53.44	65.34	67.98	88.67	80.71	77.11	82.55	66.09	69.33	88.08	77.59
		HSV	43.55	48.54	40.11	81.10	55.12	46.55	68.72	55.64	44.81	74.43	50.65
		Average	32.33	42.41	36.03	79.10	51.57	47.55	67.59	46.22	38.05	72.72	52.95
	6,1,7	RGB	0.00	0.00	0.00	47.71	1.67	6.60	43.83	0.00	0.00	73.63	29.25
		Lab	47.08	60.34	61.86	82.41	76.93	73.58	79.16	60.63	64.82	93.50	79.55
		HSV	36.20	48.50	36.18	74.44	53.06	47.48	70.74	52.71	44.99	76.95	51.90
		Average	27.76	36.28	32.68	68.19	43.89	42.55	64.58	37.78	36.60	81.36	53.57
	6,2,0	RGB	90.26	15.22	64.49	9.73	27.33	3.56	0.00	33.68	21.95	0.00	0.00
		Lab	97.46	71.37	83.17	66.94	61.25	60.52	59.74	75.87	66.56	44.75	42.28
		HSV	71.96	32.65	49.28	61.81	46.20	26.71	35.80	50.51	28.84	34.47	28.25
		Average	86.56	39.75	65.65	46.16	44.93	30.26	31.85	53.35	39.11	26.41	23.51
	6,2,1	RGB	70.80	28.70	71.83	28.81	41.58	15.24	0.00	46.33	24.88	0.00	0.00
		Lab	89.20	75.12	88.41	75.06	68.76	67.00	66.75	79.54	71.41	52.87	49.96
		HSV	69.80	38.50	52.04	68.43	51.77	32.80	43.07	55.73	34.53	41.57	34.67
		Average	76.60	47.44	70.76	57.43	54.04	38.35	36.61	60.53	43.61	31.48	28.21
	6,2,2	RGB	51.37	38.46	67.53	47.63	52.05	24.11	12.49	53.93	23.25	0.00	0.00
		Lab	81.45	76.64	89.34	82.64	75.22	72.43	72.94	80.55	74.63	60.50	57.00
		HSV	65.87	43.84	53.59	74.29	56.60	38.48	50.13	60.04	39.71	48.43	40.72
		Average	66.23	52.98	70.15	68.19	61.29	45.01	45.18	64.84	45.86	36.31	32.57
	6,2,3	RGB	31.98	42.60	54.84	65.87	55.98	29.12	26.35	53.93	17.36	0.00	3.94
		Lab	74.14	75.74	85.69	89.54	80.47	76.30	77.79	78.74	75.67	67.63	63.37
		HSV	60.71	48.50	53.80	78.74	60.41	43.60	56.88	63.13	44.24	54.92	46.28
		Average	55.61	55.61	64.78	78.05	65.62	49.67	53.67	65.27	45.76	40.85	37.87
	6,2,4	RGB	12.62	39.97	38.80	81.78	51.81	29.48	37.40	46.39	8.04	11.40	15.08
		Lab	67.32	73.15	80.40	94.97	83.77	78.39	81.02	75.25	74.85	74.25	68.98
		HSV	54.73	52.28	52.67	80.79	62.88	48.01	63.15	64.66	47.94	60.88	51.17
		Average	44.89	55.13	57.29	85.85	66.15	51.96	60.53	62.10	43.61	48.85	45.08
	6,2,5	RGB	0.00	31.38	21.47	84.49	41.26	25.15	43.99	33.86	0.00	29.44	23.33
		Lab	60.46	69.11	74.29	93.95	84.68	78.25	81.87	70.43	72.14	80.67	73.99
		HSV	48.22	54.96	50.27	79.69	63.74	51.51	68.65	64.44	50.62	66.01	55.17
		Average	36.23	51.82	48.68	86.05	63.22	51.64	64.84	56.24	40.92	58.71	50.83
	6,2,6	RGB	0.00	18.72	3.55	70.24	27.07	16.88	44.53	18.64	0.00	46.66	27.72
		Lab	54.09	64.75	68.32	88.62	82.67	76.26	80.61	65.47	68.48	86.36	77.58
		HSV	41.35	56.34	46.78	75.87	62.88	53.89	72.91	62.49	52.13	69.89	58.04
		Average	31.82	46.61	39.55	78.24	57.54	49.01	66.02	48.87	40.20	67.64	54.45
	6,2,7	RGB	0.00	3.60	0.00	52.42	11.00	5.73	38.90	1.99	0.00	62.01	27.59
		Lab	47.94	59.91	62.47	82.76	79.15	73.12	77.61	60.22	64.29	90.89	79.93
		HSV	34.24	56.29	42.39	70.37	60.41	54.97	75.27	59.07	52.33	72.00	59.53
		Average	27.39	39.94	34.95	68.52	50.18	44.61	63.93	40.43	38.88	74.97	55.68
	6,3,0	RGB	90.69	14.81	63.99	9.18	27.27	3.00	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	24.86
	6,3,1	RGB	71.88	28.04	70.56	27.26	41.75	13.51	0.00	44.48	23.15	0.00	0.00
		Lab	89.27	74.52	88.11	74.78	68.93	66.67	66.23	78.83	70.93	52.61	49.88
		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	29.63
	6,3,2	RGB	53.32	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	65.04	63.94	45.59	44.10	65.46	46.61	35.02	34.16
	6,3,3	RGB	34.80	42.29	55.29	61.23	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
	6,3,4	RGB	16.10	41.17	40.09	75.05	56.92	25.58	30.66	44.36	5.59	5.83	11.54
		Lab	67.46	71.98	80.11	93.19	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		

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
	6,4,1	HSV	59.13	41.43	62.01	52.17	55.26	34.50	36.67	58.68	37.27	28.04	35.37
		Average	82.59	42.29	69.45	42.50	47.89	32.38	32.02	55.47	41.38	24.19	25.82
		RGB	73.06	26.94	69.37	25.50	41.88	11.81	0.00	42.33	21.47	0.00	0.00
		Lab	89.29	73.91	87.78	74.49	69.08	66.32	65.71	78.11	70.45	52.34	49.79
		HSV	57.61	48.27	65.79	57.27	62.14	41.41	44.05	65.11	43.82	34.44	42.58
		Average	73.32	49.70	74.31	52.42	57.70	39.84	36.59	61.85	45.24	28.93	30.79
		RGB	55.06	36.55	65.76	41.73	54.15	18.51	5.32	47.94	18.43	0.00	0.00
		Lab	81.66	74.83	88.52	81.58	75.94	71.29	71.12	78.46	73.12	59.62	56.76
		HSV	54.73	54.74	67.99	61.40	68.52	48.01	51.25	70.77	49.95	40.47	49.58
		Average	63.82	55.37	74.09	61.57	66.20	45.94	42.56	65.73	47.16	33.36	35.45
	6,4,3	RGB	37.10	41.80	54.91	56.65	61.64	21.85	15.98	47.67	11.98	0.00	0.00
		Lab	74.51	73.68	85.21	87.67	81.75	74.83	75.21	76.51	73.90	66.33	63.09
		HSV	50.72	60.67	68.30	64.21	74.01	54.19	58.18	75.16	55.50	46.00	56.24
		Average	54.11	58.72	69.48	69.51	72.47	50.29	49.79	66.44	47.13	37.44	39.78
		RGB	19.38	41.24	40.96	68.25	61.86	21.58	23.85	41.53	2.97	0.00	7.87
		Lab	67.79	70.93	80.14	91.57	86.07	76.53	77.51	72.95	72.82	72.38	68.68
		HSV	45.83	65.77	66.66	65.39	77.96	59.74	64.69	77.49	60.24	50.86	62.41
		Average	44.34	59.31	62.59	75.07	75.30	52.62	55.35	63.99	45.34	41.08	46.32
		RGB	1.49	35.63	25.28	72.54	54.26	17.50	28.36	31.31	0.00	14.64	15.14
		Lab	61.08	67.02	74.29	91.03	87.95	76.37	77.92	68.35	70.23	78.04	73.75
	6,4,4	HSV	40.29	69.62	63.34	64.77	79.44	64.37	70.47	77.14	63.82	54.84	67.78
		Average	34.28	57.42	54.30	76.11	73.88	52.75	58.92	58.93	44.68	49.17	52.22
		RGB	0.00	25.85	8.92	66.40	42.02	10.25	28.70	18.44	0.00	27.94	19.33
		Lab	54.85	62.70	68.60	87.04	86.53	74.70	76.63	63.54	66.87	82.68	77.72
		HSV	34.24	71.70	58.73	62.43	77.96	67.68	75.04	74.22	65.90	57.68	71.91
		Average	29.70	53.42	45.42	71.96	68.83	50.88	60.12	52.07	44.26	56.10	56.32
		RGB	0.00	13.47	0.00	53.75	27.57	0.33	24.60	3.97	0.00	38.67	19.72
		Lab	48.59	57.91	62.61	81.65	82.72	71.44	73.73	58.30	62.53	85.90	80.19
		HSV	27.83	71.63	53.21	58.68	74.01	69.25	77.62	69.45	66.19	59.15	74.18
		Average	25.47	47.67	38.61	64.69	61.43	47.00	58.65	43.91	42.91	61.24	58.03
	6,4,7	RGB	91.22	14.35	62.92	8.27	27.16	1.86	0.00	31.83	20.06	0.00	0.00
		Lab	97.55	71.05	82.86	66.71	61.21	60.19	59.38	75.46	66.15	44.52	42.10
		HSV	52.02	44.62	67.32	46.22	58.22	37.24	35.62	60.94	40.34	23.77	37.70
		Average	80.26	43.34	71.03	40.40	48.87	33.10	31.67	56.08	42.18	22.77	26.60
		RGB	73.88	26.15	67.94	23.90	41.90	10.06	0.00	40.45	19.72	0.00	0.00
		Lab	89.55	73.32	87.42	73.99	68.94	65.87	65.08	77.47	69.97	51.85	49.48
		HSV	50.72	51.91	71.80	50.71	65.70	44.49	42.86	67.82	47.26	29.79	45.22
		Average	71.38	50.46	75.72	49.53	58.85	40.14	35.98	61.91	45.65	27.21	31.57
		RGB	56.57	35.26	64.40	38.68	54.79	15.66	1.75	44.84	15.93	0.00	0.00
		Lab	81.65	74.04	88.31	81.17	76.24	71.00	70.47	77.63	72.69	59.29	56.76
	6,5,1	HSV	48.22	58.95	74.52	54.24	72.90	51.51	49.89	74.07	53.85	35.38	52.61
		Average	62.15	56.08	75.74	58.03	67.98	46.06	40.71	65.51	47.49	31.56	36.45
		RGB	39.28	40.47	54.28	51.82	63.82	18.13	10.77	44.02	9.12	0.00	0.00
		Lab	74.66	72.65	85.13	86.76	82.26	74.36	74.12	75.50	73.35	65.67	63.00
		HSV	44.68	65.60	74.91	56.58	79.54	58.20	56.61	79.13	59.94	40.44	59.77
		Average	52.87	59.57	71.44	65.05	75.21	50.23	47.17	66.22	47.47	35.37	40.92
		RGB	22.01	40.74	40.88	61.64	65.84	17.20	17.24	38.21	0.00	0.00	3.85
		Lab	67.68	69.82	79.84	90.35	87.05	75.97	76.27	71.86	72.11	71.78	68.78
		HSV	40.29	71.56	72.87	57.55	84.86	64.37	62.83	81.97	65.27	44.80	66.58
		Average	43.33	60.71	64.53	69.85	79.25	52.51	52.11	64.01	45.79	38.86	46.40
	6,5,3	RGB	4.77	36.04	25.99	65.25	59.80	12.99	20.54	28.64	0.00	7.10	10.42
		Lab	61.11	65.85	74.16	89.60	89.39	75.73	76.33	67.27	69.52	76.93	73.80
		HSV	35.21	76.34	68.87	57.04	87.12	69.70	68.28	81.54	69.44	48.31	72.76
		Average	33.70	59.41	56.34	70.63	78.77	52.81	55.05	59.15	46.32	44.12	52.32
		RGB	0.00	27.58	10.05	60.64	48.20	5.53	20.09	16.53	0.00	18.32	13.72
		Lab	54.84	61.56	68.41	85.89	87.92	73.93	74.94	62.48	66.07	81.20	77.75
		HSV	29.60	79.09	63.55	55.11	84.86	73.67	72.48	78.02	71.94	50.78	77.79
		Average	28.15	56.08	47.34	67.21	73.66	51.05	55.84	52.34	46.00	50.10	56.42
		RGB	0.00	16.08	0.00	50.46	34.33	0.00	16.33	2.96	0.00	27.38	14.30
		Lab	48.78	56.93	62.69	80.96	84.12	70.97	72.25	57.46	62.02	83.96	80.36
	6,5,6	HSV	23.58	78.99	57.41	51.92	79.54	75.62	74.80	72.59	72.29	52.04	80.74
		Average	24.12	50.67	40.03	61.11	66.00	48.86	54.46	44.33	44.77	54.46	58.47
		RGB	91.52	13.92	62.40	7.71	27.08	1.29	0.00	31.12	19.43	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	44.68	46.80	71.38	39.81	59.81	39.06	33.62	61.66	42.46	18.95	39.08
		Average	77.84	43.82	72.21	38.07	49.45	33.50	30.95	55.96	42.63	21.15	27.10
		RGB	74.76	24.92	66.58	22.09	41.86	8.35	0.00	38.29	18.02	0.00	0.00
		Lab	89.44	73.03	87.42	73.95	69.11	65.87	64.95	77.18	69.91	51.83	49.57
		HSV	43.55	54.44	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	35.19	61.38	45.87	25.47	32.12
	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
		Lab	81.60	73.24	88.03	80.72	76.52	70.68	69.81	76.80	72.25	58.95	56.74
		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	76.93	54.39	69.03	45.79	39.06	64.55	47.42	29.57	37.06
		RGB	41.09	38.68	53.14	46.96	65.38	14.33	5.61	40.15	6.12	0.00	0.00
		Lab	74.56	71.75	84.75	86.02	82.73	73.85	73.21	74.56	72.70	65.22	62.96
		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
		Lab	67.72	68.77	79.63	89.00	87.86	75.29	74.92	70.83	71.38	70.91	68.64
	6,6,2	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	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								

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
	6,7,1	RGB	75.27	24.02	65.02	20.46	41.73	6.59	0.00	36.39	16.26	0.00	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
		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
	6,7,2	RGB	58.80	32.12	60.91	32.45	55.24	9.90	0.00	38.49	10.80	0.00	0.00
		Lab	81.51	72.44	87.71	80.25	76.77	70.35	69.15	75.97	71.79	58.59	56.70
		HSV	34.24	63.43	83.32	39.32	75.50	54.97	43.80	73.76	58.06	23.72	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
	6,7,3	RGB	42.32	36.84	51.35	42.26	66.05	10.38	0.63	36.31	2.91	0.00	0.00
		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	49.33	59.57	73.24	56.28	77.52	48.78	40.96	62.90	46.71	30.98	41.91
	6,7,4	RGB	25.86	37.41	38.67	48.34	70.92	7.70	3.95	30.07	0.00	0.00	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
		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
	6,7,5	RGB	9.40	33.77	24.72	49.96	67.21	2.65	4.88	21.07	0.00	0.00	0.00
		Lab	61.06	64.02	73.93	87.46	91.53	74.88	74.08	65.61	68.59	75.21	73.87
		HSV	23.58	85.43	75.54	41.41	94.37	75.62	59.33	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
	6,7,6	RGB	0.00	26.51	9.96	46.43	57.05	0.00	3.08	9.98	0.00	0.00	1.94
		Lab	54.62	59.41	68.05	83.78	90.21	72.95	72.27	60.55	64.97	78.75	78.01
		HSV	18.77	90.52	69.06	39.98	90.26	80.78	62.52	77.67	79.59	36.24	83.27
		Average	24.46	58.81	49.02	56.73	79.17	51.24	45.95	49.40	48.19	38.33	54.40
	6,7,7	RGB	0.00	16.58	0.00	38.62	43.84	0.00	0.00	0.00	0.00	5.36	1.50
		Lab	48.49	54.74	62.28	79.12	85.88	69.95	69.53	55.51	60.89	80.89	80.70
		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
	7,0,0	RGB	89.28	16.02	65.47	10.83	27.42	4.69	0.00	35.10	23.19	0.00	0.00
		Lab	97.28	71.84	83.35	67.16	61.21	60.75	60.11	76.38	66.86	44.98	42.37
		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
	7,0,1	RGB	67.86	30.58	73.59	32.19	40.89	18.57	1.24	50.57	28.15	0.00	0.00
		Lab	88.67	76.40	88.99	75.77	68.54	67.81	67.97	81.04	72.45	53.58	50.29
		HSV	74.36	26.84	36.48	73.19	38.70	21.21	38.87	44.14	22.25	43.79	23.68
		Average	76.96	44.60	66.35	60.38	49.38	35.86	36.03	58.58	40.95	32.46	24.66
	7,0,2	RGB	46.46	40.10	67.14	53.52	48.65	29.28	20.02	59.96	27.52	0.00	0.00
		Lab	80.52	78.72	89.48	83.91	74.39	73.68	75.20	82.92	76.21	61.73	57.38
		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
	7,0,3	RGB	25.08	42.09	51.67	74.80	48.09	35.27	37.32	58.93	21.45	1.44	8.86
		Lab	73.05	77.94	85.31	91.37	78.66	77.79	80.97	81.10	77.46	69.20	63.63
		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
	7,0,4	RGB	3.71	35.85	33.18	95.42	39.45	35.21	51.54	48.10	11.07	22.69	20.46
		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	37.97	36.95	90.46	46.99	33.70	56.95	50.92	33.15	64.28	37.22
		Average	42.38	49.63	49.86	94.78	55.71	49.63	64.58	58.73	40.25	54.47	42.28
	7,0,5	RGB	0.00	23.38	13.61	82.24	25.51	29.15	59.35	32.02	0.00	43.90	28.13
		Lab	59.01	70.89	73.29	94.51	80.36	79.61	86.44	72.14	73.66	83.22	73.58
		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
	7,0,6	RGB	0.00	7.17	0.00	61.06	8.68	18.42	57.12	13.59	0.00	65.02	30.57
		Lab	52.22	66.05	66.85	87.73	77.58	77.10	84.67	66.64	69.54	89.99	76.60
		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
	7,0,7	RGB	0.00	0.00	0.00	39.83	0.00	4.60	46.10	0.00	0.00	85.67	27.27
		Lab	45.87	60.83	60.75	81.40	73.86	73.39	80.68	61.00	64.91	96.18	78.09
		HSV	36.21	41.00	28.91	75.50	45.23	39.01	66.72	46.75	36.51	76.99	43.48
		Average	27.36	33.94	29.89	65.57	39.70	39.00	64.50	35.91	33.80	86.28	49.61
	7,1,0	RGB	89.56	16.00	64.92	10.48	27.40	4.12	0.00	34.69	22.54	0.00	0.00
		Lab	97.50	71.83	83.04	66.93	60.93	60.46	59.91	76.33	66.60	44.76	42.08
		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
	7,1,1	RGB	68.71	30.81	72.08	31.09	41.13	16.73	0.00	49.34	26.28	0.00	0.00
		Lab	89.09	76.17	88.42	75.31	68.28	67.18	67.39	80.66	71.79	53.12	49.82
		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
	7,1,2	RGB	47.90	41.21	65.95	51.56	49.72	26.14	17.09	58.26	24.79	0.00	0.00
		Lab	80.93	78.40	89.01	83.42	74.44	72.85	74.36	82.34	75.26	61.26	56.95
		HSV	67.80	37.90	45.15	78.05	49.47	32.03	48.89	54.51	32.82	49.69	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
	7,1,3	RGB	27.14	44.70	51.38	71.65	50.50	31.05	32.85	57.74	18.39	0.00	5.72
		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	42.08	45.33	83.49	52.70	36.63	55.46	57.19	36.85	56.37	39.66
		Average	54.39	54.89	60.61	81.90	60.65	48.08	56.02	65.23	43.84	41.61	36.10
	7,1,4	RGB	6.41	40.10	33.76	89.35	43.18	30.54	45.45	48.10	8.14	18.63	16.47
		Lab	66.65	75.23	79.67	97.01	81.15	78.68	83.70	77.11	75.47	75.45	68.33
		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
	7,1,5	RGB	0.00	29.01	14.99	83.55	30.31						

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)	
	7,2,2	HSV	67.80	38.83	51.01	67.71	51.42	32.03	44.13	56.73	33.59	40.52	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	
		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	
	7,2,3	Average	64.85	54.83	68.53	68.59	60.38	44.25	46.37	66.48	45.07	36.00	32.18	
		RGB	28.89	46.95	50.62	68.10	52.51	26.79	28.37	56.05	15.20	0.00	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	
		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	
	7,2,4	RGB	8.71	43.88	33.71	83.10	46.35	25.67	39.37	47.32	4.90	14.33	12.25	
		Lab	66.98	75.06	79.39	95.69	81.57	77.42	82.33	76.65	74.25	74.84	67.78	
		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	
	7,2,5	RGB	0.00	34.06	15.61	81.24	34.40	19.89	45.23	33.47	0.00	32.77	18.65	
		Lab	60.37	71.23	73.54	94.41	81.82	77.05	83.39	71.99	71.55	81.16	72.01	
		HSV	47.03	55.41	49.26	78.59	63.27	50.44	70.63	65.69	49.38	64.23	54.29	
		Average	35.80	53.56	46.14	84.75	59.83	49.12	66.42	57.05	40.31	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	31.44	47.86	37.84	76.33	53.81	46.08	67.27	49.23	39.61	68.36	51.02	
	7,2,7	RGB	0.00	3.52	0.00	46.59	2.36	0.00	37.12	0.00	0.00	64.75	18.66	
		Lab	47.64	61.61	61.66	82.68	76.41	71.84	78.88	61.37	63.61	92.15	76.99	
		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	15.94	63.82	9.78	27.34	2.97	0.00	33.86	21.25	0.00	0.00	
	7,3,0	Lab	97.46	71.67	82.93	66.94	61.10	60.34	59.77	76.08	66.37	44.75	42.11	
		HSV	64.09	37.71	54.78	56.92	50.82	30.19	37.69	56.10	32.47	30.74	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	
	7,3,1	RGB	70.05	31.11	68.92	28.79	41.39	13.07	0.00	46.76	22.56	0.00	0.00	
		Lab	89.41	75.87	87.47	74.81	68.09	66.27	66.63	80.04	70.72	52.64	49.28	
		HSV	62.37	44.09	57.90	62.66	56.98	36.63	45.20	62.08	38.50	37.41	38.36	
		Average	73.94	50.36	71.43	55.42	55.49	38.66	37.28	62.96	43.93	30.02	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	50.02	59.67	67.47	62.47	42.68	52.58	67.22	44.05	43.76	44.82	
		Average	63.57	56.89	70.14	65.75	62.72	44.65	45.57	67.60	45.63	34.75	33.69	
		RGB	30.34	48.82	49.42	64.29	54.07	22.51	23.90	53.94	11.89	0.00	0.00	
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	10.58	47.12	33.07	76.89	48.89	20.66	33.33	45.84	1.42	9.85	7.84	
	7,3,4	Lab	67.50	74.88	79.38	94.39	81.89	76.41	81.03	76.32	73.34	73.98	67.16	
		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	
		Lab	60.87	71.08	73.60	93.75	82.47	76.05	82.00	71.69	70.68	80.16	71.42	
		7,3,5	HSV	43.57	62.95	55.88	71.55	71.02	56.96	72.72	72.74	56.02	59.27	60.75
			Average	34.81	57.48	48.33	80.59	63.73	49.22	64.25	59.08	42.23	55.37	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			30.57	52.16	39.91	73.66	57.90	46.37	65.20	51.38	41.63	63.40	51.20	
RGB			0.00	9.42	0.00	46.64	6.76	0.00	30.51	0.23	0.00	54.06	12.66	
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	90.17	15.90	63.26	9.42	27.30	2.39	0.00	33.44	20.61	0.00	0.00	
	7,4,0	Lab	97.34	71.49	82.81	66.93	61.26	60.21	59.62	75.82	66.13	44.75	42.15	
		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	
		Lab	89.54	75.54	87.15	74.55	68.08	65.93	66.23	79.61	70.30	52.39	49.10	
		7,4,1	HSV	56.17	48.66	64.35	56.74	61.69	40.52	45.13	66.38	42.72	33.50	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	81.76	77.64	87.58	82.03	74.22	70.76	72.33	80.96	72.96	59.99	55.75
HSV			53.38	55.19	66.46	60.81	67.98	47.01	52.50	72.31	48.72	39.43	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	
Lab			74.43	77.03	84.13	88.67	79.16	74.06	77.05	79.29	73.61	67.06	61.73	
	7,4,3	HSV	49.47	61.18	66.75	63.57	73.37	53.05	59.64	76.98	54.13	44.86	55.34	
		Average	51.79	62.83	66.23	70.86	69.23	48.45	52.05	69.25	45.41	37.30	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	41.43	63.61	58.67	76.31	69.95	49.82	57.97	66.40	43.70	42.80	43.78	
		RGB	0.00	42.01	14.70	70.51	40.11	9.13	30.82	31.31	0.00	20.42	7.75	
		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	6



Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
	7,5,2	RGB	51.57	43.71	58.82	42.52	51.77	13.61	5.27	49.88	13.64	0.00	0.00
		Lab	81.89	77.33	87.34	81.73	74.25	70.40	71.88	80.56	72.54	59.72	55.56
		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
	7,5,3	RGB	32.28	51.32	45.89	56.26	55.78	13.95	15.01	48.75	5.02	0.00	0.00
		Lab	74.51	76.79	83.74	88.17	79.18	73.41	76.40	78.87	72.91	66.72	61.41
		HSV	43.57	66.18	72.98	56.06	78.72	56.96	58.01	81.34	58.42	39.40	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
	7,5,4	RGB	13.04	51.69	30.19	64.71	51.84	10.40	21.41	41.10	0.00	0.53	0.00
		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	40.06	66.16	60.07	71.46	72.58	49.41	55.07	67.11	45.15	39.06	43.91
	7,5,5	RGB	0.00	44.72	13.25	64.05	41.59	3.43	23.67	29.06	0.00	14.05	2.00
		Lab	61.21	70.84	73.19	92.27	82.78	74.36	80.14	71.13	69.17	78.89	70.37
		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
	7,5,6	RGB	0.00	32.80	0.00	54.50	27.72	0.00	21.18	14.40	0.00	25.01	1.73
		Lab	54.99	66.44	67.55	87.94	81.33	72.45	78.86	66.19	65.68	83.85	73.32
		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
	7,5,7	RGB	0.00	17.94	0.00	40.58	11.93	0.00	14.92	0.00	0.00	32.86	0.00
		Lab	48.81	61.66	61.80	82.55	78.08	69.53	76.18	61.00	61.64	87.78	75.09
		HSV	22.77	79.97	56.24	51.45	78.72	73.55	77.30	74.23	70.13	50.76	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
	7,6,0	RGB	90.37	15.81	62.14	8.70	27.21	1.24	0.00	32.59	19.32	0.00	0.00
		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	77.15	44.82	71.44	38.28	49.19	33.12	31.32	57.05	42.19	20.90	26.76
	7,6,1	RGB	71.14	31.12	63.95	25.13	41.28	7.59	0.00	42.66	17.01	0.00	0.00
		Lab	89.36	75.35	86.65	74.48	68.23	65.55	65.94	79.20	69.75	52.35	49.03
		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
	7,6,2	RGB	51.94	43.84	56.63	40.07	51.72	10.51	2.32	47.51	10.82	0.00	0.00
		Lab	81.77	77.21	86.88	81.61	74.30	70.04	71.63	80.28	72.08	59.67	55.46
		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
	7,6,3	RGB	32.77	51.92	43.66	52.13	55.90	9.67	10.60	45.79	1.49	0.00	0.00
		Lab	74.63	76.53	83.60	87.78	79.25	73.04	75.92	78.54	72.52	66.43	61.22
		HSV	37.21	69.89	78.06	48.41	82.04	59.66	55.02	82.88	61.52	33.44	60.90
		Average	48.20	66.11	68.44	62.77	72.40	47.46	47.18	69.07	45.18	33.29	40.71
	7,6,4	RGB	13.63	52.92	28.06	58.76	52.19	5.21	15.55	38.04	0.00	0.00	0.00
		Lab	67.96	74.29	78.68	91.94	82.18	74.23	78.63	75.30	71.26	72.58	65.97
		HSV	33.31	76.94	75.75	49.22	88.47	66.09	60.99	86.49	67.11	37.32	67.95
		Average	38.30	68.05	60.83	66.64	74.28	48.51	51.72	66.61	46.12	36.63	44.64
	7,6,5	RGB	0.00	46.55	11.11	57.06	42.11	0.00	16.29	26.03	0.00	7.36	0.00
		Lab	61.30	70.56	73.09	91.73	83.07	73.89	79.44	70.80	68.72	78.44	70.16
		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
	7,6,6	RGB	0.00	34.88	0.00	48.42	28.33	0.00	13.31	11.75	0.00	16.74	0.00
		Lab	55.07	66.32	67.40	87.58	81.43	71.89	78.22	65.97	65.18	83.26	72.92
		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
	7,6,7	RGB	0.00	20.25	0.00	35.37	12.61	0.00	6.70	0.00	0.00	22.76	0.00
		Lab	48.90	61.57	61.69	82.34	78.21	69.04	75.65	60.84	61.21	87.07	74.69
		HSV	18.01	87.18	59.18	44.43	82.04	78.22	72.15	75.33	74.63	43.58	83.24
		Average	22.30	56.33	40.29	54.05	57.62	49.09	51.50	45.39	45.28	51.14	52.64
	7,7,0	RGB	90.41	15.75	61.58	8.33	27.16	0.66	0.00	32.16	18.68	0.00	0.00
		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	74.71	45.16	71.95	35.92	49.19	33.20	30.35	56.60	42.33	19.16	26.88
	7,7,1	RGB	71.25	31.01	62.26	23.86	41.12	5.78	0.00	41.23	15.17	0.00	0.00
		Lab	89.51	75.13	86.43	74.24	68.12	65.29	65.64	78.93	69.47	52.11	48.83
		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
	7,7,2	RGB	52.09	43.79	54.33	37.56	51.45	7.42	0.00	45.08	7.99	0.00	0.00
		Lab	81.94	77.03	86.76	81.35	74.22	69.78	71.31	80.06	71.83	59.42	55.26
		HSV	33.31	63.98	80.53	38.95	74.81	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
	7,7,3	RGB	32.95	52.07	41.19	47.98	55.55	5.42	6.23	42.65	0.00	0.00	0.00
		Lab	74.78	76.57	83.43	87.44	79.05	72.65	75.60	78.50	72.18	66.15	60.90
		HSV	30.52	71.78	81.05	40.69	82.15	60.90	50.90	80.92	63.15	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
	7,7,4	RGB	13.82	53.41	25.40	52.55	51.76	0.00	9.47	34.43	0.00	0.00	0.00
		Lab	67.91	74.14	78.56	91.76	82.27	74.08	78.42	75.12	71.07	72.52	65.96
		HSV	26.98	79.48	78.42	41.39	88.64	67.58	56.31	84.08	69.03	30.62	68.63
		Average	36.24	69.01	60.79	61.90	74.22	47.22	48.07	64.54	46.70	34.38	44.86
	7,7,5	RGB	0.00	47.29	8.57	50.33	41.68	0.00	9.30	22.61	0.00	0.94	0.00
		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	86.87	73.57	41.02	91.89	73.55	60.84	83.59	73.79	33.38	75.33
		Average	28.08	68.28	51.74	60.95	72.18	49.04	49.78	59.01	47.43	37.48	48.38
	7,7,6	RGB	0.00	35.82	0.00	41.81	27.89	0.00	5.45	8.42	0.00	8.57	0.00
		Lab	55.02	66.19	67.31	87.42	81.49	71.73	78.00	65.83	65.01	83.14	72.89
		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
	7,7,7	RGB	0.00	21.30	0.00	29.25	12.12	0.00	0.00	0.00	0.00	12.89	0.00
		Lab	49.03	61.50	61.73	82.27	78.43	68.83	75.32	60.75	61.03	86.59	74.54
		HSV	12.78	92.66	60.71	37.19	82.15	80.62	65.90	73.92	77.17	36.23	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

Color Ref	H, S, V (%)	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
	8,0,3	HSV	71.96	31.42	36.70	78.86	41.97	25.17	46.33	48.16	27.41	52.25	28.11
		Average	66.67	50.24	64.58	71.74	54.53	42.56	47.05	64.02	43.87	37.84	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
		Lab	73.50	78.47	85.63	90.90	78.03	77.64	80.97	81.74	77.65	68.75	63.08
		HSV	65.87	35.18	36.85	84.59	44.76	29.32	52.53	50.50	31.12	59.35	32.62
		Average	55.12	52.07	58.29	83.12	56.70	47.40	56.88	64.13	43.70	42.88	34.53
	8,0,4	RGB	4.93	36.82	34.26	94.30	38.99	35.56	51.76	49.90	12.39	21.50	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
		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	24.54	14.74	83.43	25.49	29.84	60.27	33.78	0.00	42.73	27.21
		Lab	59.69	71.81	73.83	95.11	79.89	79.62	86.97	73.06	74.05	82.55	72.76
	8,0,5	HSV	52.02	40.19	34.22	85.93	47.10	35.45	62.90	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
		Lab	53.13	67.02	67.70	88.62	77.62	77.57	85.51	67.67	70.28	89.10	75.98
		HSV	44.68	41.22	31.54	80.82	46.50	37.22	66.42	50.02	37.34	77.03	41.56
		Average	32.60	38.99	33.08	77.34	44.38	44.79	70.31	44.46	35.87	76.58	49.13
	8,0,7	RGB	0.00	0.00	0.00	41.65	0.00	6.18	48.63	0.00	0.00	84.20	26.97
		Lab	46.78	62.00	61.59	82.29	73.87	73.98	81.84	62.17	65.74	95.36	77.43
		HSV	37.19	41.19	28.08	74.23	44.76	38.01	68.29	47.41	37.50	79.87	42.62
		Average	27.99	34.39	29.89	66.06	39.55	39.39	66.25	36.53	34.41	86.48	49.01
		RGB	89.87	15.87	64.69	10.18	26.95	3.90	0.00	34.65	22.59	0.00	0.00
		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	30.56	71.82	29.88	39.34	16.06	0.00	49.60	26.80	0.00	0.00
		Lab	89.78	76.42	87.90	74.62	67.35	66.57	66.98	80.91	71.42	52.45	48.98
		HSV	74.32	33.20	42.79	70.32	44.80	26.02	42.87	51.38	29.01	43.78	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
	8,1,2	RGB	49.75	41.42	66.76	49.76	47.36	25.51	16.32	59.67	26.06	0.00	0.00
		Lab	82.07	79.29	89.03	82.27	72.85	72.06	73.90	83.41	75.08	60.13	55.56
		HSV	69.80	38.08	44.08	76.64	48.96	31.13	49.90	55.28	33.75	50.94	33.92
		Average	67.21	52.93	66.62	69.56	56.39	42.90	46.71	66.12	44.97	37.02	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
		Lab	75.05	79.33	85.92	89.20	76.99	76.00	79.56	82.48	76.58	67.14	61.33
8,1,3	HSV	64.06	42.27	44.26	81.66	52.15	35.66	56.62	58.01	37.84	57.82	38.85	
	Average	56.24	55.84	61.13	80.08	59.15	47.52	56.17	67.12	45.01	41.65	34.46	
	RGB	9.81	42.86	36.66	87.32	41.71	31.31	45.84	53.05	11.60	15.46	13.38	
	Lab	68.47	77.58	80.92	95.33	79.09	78.15	84.03	79.60	76.13	73.67	66.11	
	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	
	8,1,5	RGB	0.00	32.97	18.66	87.30	30.06	26.72	54.70	39.05	0.00	34.95	20.69
		Lab	61.90	73.98	75.24	96.45	79.54	78.49	86.40	75.06	73.95	80.18	70.40
		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
		Lab	55.77	69.93	69.56	90.90	77.81	76.97	86.16	70.31	70.70	86.16	73.29
	8,1,6	HSV	43.55	49.14	38.31	78.40	54.18	44.46	72.50	57.45	44.81	74.43	48.88
		Average	33.11	46.08	36.09	79.57	49.10	46.53	71.63	50.19	38.50	71.47	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
		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	28.62	38.95	32.76	69.11	42.37	41.97	69.19	41.41	37.21	80.34	49.27
	8,1,7	RGB	90.42	15.72	63.91	9.52	26.47	3.12	0.00	34.18	21.98	0.00	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
		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	71.31	30.60	70.11	28.15	38.61	13.89	0.00	48.42	25.16	0.00	0.00
		Lab	90.41	76.42	87.20	73.91	66.62	65.80	66.38	80.82	70.77	51.76	48.17
	8,2,0	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
		Lab	83.13	79.52	88.43	81.07	71.83	70.77	72.83	83.48	74.05	58.97	54.27
		HSV	65.87	44.40	51.29	72.24	55.62	36.65	52.41	62.06	39.71	48.43	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
	8,2,3	RGB	33.27	49.05	53.62	64.36	48.39	26.40	27.41	61.26	18.83	0.00	0.00
		Lab	76.53	80.36	85.86	87.42	75.58	74.26	78.22	83.34	75.43	65.48	59.42
		HSV	60.71	49.11	51.49	76.31	59.34	41.62	59.54	65.32	44.24	54.92	44.65
		Average	56.83	59.51	63.65	76.03	61.10	47.43	55.06	69.97	46.17	40.14	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
		Lab	70.17	78.97	81.51	93.17	78.06	76.49	82.60	80.81	75.25	71.75	64.07
	8,2,5	HSV	54.73	52.93	50.40	78.13	61.74	45.86	66.30	66.95	47.94	60.88	49.38
		Average	46.41	60.15	56.75	83.86	61.13	49.67	62.88	67.68	44.50	47.31	40.26
		RGB	0.00	41.14	21.71	85.59	33.65	22.76	48.28	43.36	0.00	26.98	13.80
		Lab	64.04	76.05	76.43	96.04	78.85	77.10	85.37	76.92	73.57	77.74	67.99
		HSV	48.22	55.66	48.11	77.16	62.57	49.21	72.42	66.72	50.62	66.01	53.23
		Average	3										

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
	8,3,3	RGB	36.63	51.71	53.38	59.25	47.88	21.83	22.46	60.88	16.78	0.00	0.00
		Lab	77.97	81.07	85.72	85.65	74.25	72.65	76.79	83.90	74.34	63.82	57.63
		HSV	56.15	55.57	58.46	69.79	66.17	47.04	61.03	72.28	50.19	50.90	49.85
		Average	56.92	62.78	65.86	71.56	62.77	47.17	53.43	72.35	47.10	38.24	35.83
	8,3,4	RGB	18.47	53.79	39.21	73.29	44.61	21.74	33.52	56.50	8.51	3.08	1.21
		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	47.00	64.67	59.42	78.49	63.53	49.42	60.88	70.89	45.70	43.06	39.45
	8,3,5	RGB	0.67	48.98	23.85	79.81	36.13	18.10	41.35	46.57	0.00	18.91	6.65
		Lab	66.12	78.12	77.41	94.29	77.72	75.61	84.14	78.77	73.09	75.26	65.52
		HSV	44.68	63.25	54.56	70.45	70.14	55.55	74.66	74.05	57.45	60.83	59.53
		Average	37.16	63.45	51.94	81.52	61.33	49.76	66.72	66.46	43.51	51.67	43.90
	8,3,6	RGB	0.00	38.86	7.85	73.30	24.46	11.46	44.74	33.39	0.00	33.93	9.33
		Lab	60.41	74.77	72.46	92.96	77.27	75.04	85.37	74.64	70.72	80.57	68.40
		HSV	38.21	64.96	50.76	67.70	69.10	58.16	80.17	71.44	59.21	64.15	62.72
		Average	32.87	59.53	43.69	77.99	56.94	48.22	70.10	59.82	43.31	59.55	46.82
	8,3,7	RGB	0.00	25.26	0.00	59.49	10.82	2.28	42.74	18.16	0.00	47.75	9.18
		Lab	54.93	70.87	67.46	88.70	75.53	73.31	84.52	70.18	67.63	85.37	70.35
		HSV	31.42	64.90	46.06	63.41	66.17	59.36	83.54	67.07	59.45	65.90	64.40
		Average	28.79	53.68	37.84	70.53	50.84	44.98	70.27	51.81	42.36	66.34	47.98
	8,4,0	RGB	91.41	15.38	62.36	8.21	25.50	1.54	0.00	33.24	20.75	0.00	0.00
		Lab	98.07	71.67	82.25	66.24	60.19	59.68	59.29	76.04	65.89	44.07	41.28
		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
	8,4,1	RGB	74.00	30.37	66.44	24.35	36.49	9.42	0.00	45.94	21.93	0.00	0.00
		Lab	91.55	76.15	85.61	72.49	65.31	64.11	64.97	80.21	69.19	50.37	46.60
		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
	8,4,2	RGB	56.65	43.64	62.43	39.92	44.17	14.80	5.92	55.43	19.65	0.00	0.00
		Lab	85.36	79.77	86.93	78.41	69.44	68.12	70.53	83.42	71.96	56.40	51.46
		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
	8,4,3	RGB	39.37	53.76	52.40	54.37	47.14	17.26	17.59	59.49	14.25	0.00	0.00
		Lab	79.18	81.45	85.50	84.14	73.14	71.31	75.52	84.16	73.38	62.40	56.15
		HSV	50.72	61.47	65.02	62.71	72.41	51.76	60.93	78.55	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
	8,4,4	RGB	22.45	58.68	39.51	66.15	44.47	16.57	27.20	57.03	6.53	0.00	0.00
		Lab	73.63	81.77	82.26	88.70	75.11	73.17	79.64	83.31	73.51	67.63	59.73
		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
	8,4,5	RGB	5.30	56.38	25.03	72.53	37.43	12.91	34.10	48.50	0.00	10.80	0.00
		Lab	67.90	80.06	78.02	92.19	76.28	74.09	82.91	80.45	72.48	72.99	63.16
		HSV	40.29	70.66	60.46	63.24	77.45	61.30	74.51	80.88	63.82	54.84	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
	8,4,6	RGB	0.00	47.93	9.84	69.55	27.07	6.61	37.31	36.54	0.00	24.08	1.49
		Lab	62.60	77.20	73.52	92.28	76.23	73.65	84.34	76.72	70.36	77.71	65.73
		HSV	34.24	72.83	56.15	61.00	76.09	64.33	79.97	77.47	65.90	57.68	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
	8,4,7	RGB	0.00	35.98	0.00	59.18	14.69	0.00	36.03	22.72	0.00	35.52	0.85
		Lab	57.35	73.59	68.93	89.52	75.11	72.49	84.33	72.56	67.79	82.24	67.81
		HSV	27.83	72.75	50.92	57.37	72.41	65.74	83.30	72.14	66.19	59.15	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
	8,5,0	RGB	91.56	15.34	61.81	7.85	25.45	0.97	0.00	32.82	20.11	0.00	0.00
		Lab	98.01	71.50	82.14	66.25	60.35	59.56	59.15	75.79	65.67	44.07	41.32
		HSV	52.02	45.18	64.12	45.21	57.21	35.45	37.37	63.01	40.34	23.77	36.29
		Average	80.53	44.01	69.36	39.77	47.67	31.99	32.17	57.21	42.04	22.61	25.87
	8,5,1	RGB	75.00	30.19	64.60	22.58	35.56	7.28	0.00	44.60	20.23	0.00	0.00
		Lab	92.10	76.18	84.95	71.77	64.47	63.41	64.43	80.17	68.64	49.67	45.77
		HSV	50.72	52.56	68.15	49.61	64.47	42.47	44.84	70.35	47.26	29.79	43.63
		Average	72.60	52.98	72.56	47.99	54.83	37.72	36.42	65.04	45.38	26.49	29.80
	8,5,2	RGB	58.49	43.87	60.39	36.56	42.63	11.24	2.45	53.52	17.33	0.00	0.00
		Lab	86.07	79.94	86.14	77.39	68.42	67.06	69.69	83.43	71.10	55.45	50.34
		HSV	48.22	59.71	70.53	53.05	71.36	49.21	52.16	77.29	53.85	35.38	50.77
		Average	64.26	61.17	72.35	55.67	60.80	42.51	41.44	71.41	47.42	30.28	33.70
	8,5,3	RGB	42.04	55.34	51.01	49.20	45.54	12.59	12.61	57.79	11.72	0.00	0.00
		Lab	80.47	82.31	84.90	82.30	71.35	69.67	74.22	84.86	72.28	60.69	54.19
		HSV	44.68	66.51	70.87	55.34	77.54	55.55	59.25	83.31	59.94	40.44	57.62
		Average	55.73	68.06	68.92	62.28	64.81	45.94	48.69	75.32	47.98	33.71	37.27
	8,5,4	RGB	25.65	62.60	38.83	59.32	43.68	11.23	20.89	56.10	3.91	0.00	0.00
		Lab	74.93	83.08	82.18	86.78	73.46	71.68	78.43	84.43	72.67	65.88	57.78
		HSV	40.29	72.68	69.09	56.28	82.25	61.30	65.95	87.03	65.27	44.80	64.02
		Average	46.96	72.79	63.37	67.46	66.46	48.07	55.09	75.86	47.28	36.89	40.60
	8,5,5	RGB	9.32	63.16	25.26	64.75	37.52	7.30	26.69	49.10	0.00	2.70	0.00
		Lab	69.60	82.03	78.43	89.95	74.57	72.54	81.60	82.15	71.82	70.70	60.77
		HSV	35.21	77.69	65.53	55.78	84.13	66.14	72.00	86.44	69.44	48.31	69.67
		Average	38.04	74.29	56.40	70.16	65.41	48.66	60.09	72.56	47.09	40.57	43.48

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
	8,6,4	HSV	38.21	70.26	75.50	47.80	80.65	58.16	56.17	85.05	63.17	34.38	59.67
		Average	54.70	69.81	69.73	57.54	64.66	44.86	45.67	75.34	47.93	31.21	37.44
		RGB	28.33	65.58	37.45	52.56	42.08	5.77	14.58	54.24	0.95	0.00	0.00
		Lab	76.21	84.09	82.08	84.97	71.94	70.32	77.18	85.32	71.90	64.15	55.97
		HSV	34.24	77.43	73.42	48.60	86.41	64.33	62.32	89.38	69.06	38.32	66.46
		Average	46.26	75.70	64.32	62.04	66.81	46.81	51.36	76.31	47.30	34.16	40.81
	8,6,5	RGB	12.42	68.77	24.24	56.65	36.61	1.11	18.91	47.80	0.00	0.00	0.00
		Lab	71.11	83.50	78.81	88.12	73.19	71.32	80.36	83.46	71.32	68.72	58.85
		HSV	29.60	83.85	69.35	48.18	88.98	69.65	67.68	88.66	73.83	41.44	72.62
		Average	37.71	78.71	57.47	64.32	66.26	47.36	55.65	73.31	48.38	36.72	43.82
		RGB	0.00	64.55	10.61	55.69	27.94	0.00	20.87	38.57	0.00	4.13	0.00
		Lab	66.39	81.99	75.09	89.24	73.12	71.23	82.47	80.90	69.91	72.60	60.79
	8,6,6	HSV	24.41	88.24	63.96	46.56	86.41	73.62	71.79	83.54	76.79	43.60	77.62
		Average	30.27	78.26	49.89	63.83	62.49	48.28	58.38	67.67	48.90	40.11	46.14
		RGB	0.00	54.46	0.00	49.86	17.31	0.00	19.99	26.92	0.00	12.28	0.00
		Lab	61.51	79.23	71.06	88.58	72.44	70.60	83.63	77.44	67.96	76.48	62.55
		HSV	18.77	88.07	57.76	43.86	80.65	75.56	74.05	76.78	77.22	44.70	80.54
		Average	26.76	73.92	42.94	60.77	56.80	48.72	59.22	60.38	48.39	44.49	47.70
	8,7,0	RGB	92.26	14.97	60.26	6.53	24.45	0.00	0.00	31.85	18.88	0.00	0.00
		Lab	98.37	71.49	81.75	65.78	59.72	59.19	58.87	75.80	65.45	43.62	40.78
		HSV	37.19	48.45	69.74	32.26	58.81	38.01	32.39	62.79	43.54	13.67	37.99
		Average	75.94	44.97	70.58	34.86	47.66	32.40	30.42	56.82	42.62	19.10	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
		Lab	93.19	75.91	83.37	70.09	62.69	61.73	63.02	79.68	67.25	48.04	43.94
	8,7,1	HSV	36.20	56.37	74.63	35.76	66.41	45.35	39.25	70.09	50.90	18.93	45.55
		Average	68.72	53.94	72.91	41.52	54.06	36.64	34.09	63.86	45.01	22.32	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
		Lab	87.62	80.07	84.70	75.17	66.13	65.06	67.97	83.39	69.61	53.32	47.98
		HSV	34.24	64.29	77.70	38.43	73.81	52.51	45.82	76.95	58.06	23.72	52.98
		Average	61.07	62.64	72.70	47.79	59.64	40.57	37.93	69.83	46.71	25.68	33.65
	8,7,3	RGB	45.88	56.60	46.72	39.13	41.35	3.26	2.80	52.68	5.91	0.00	0.00
		Lab	82.42	83.35	84.07	79.51	68.52	67.52	72.35	85.87	71.00	58.05	51.30
		HSV	31.42	72.18	78.15	40.15	80.76	59.36	51.96	82.84	64.88	27.96	60.21
		Average	53.24	70.71	69.65	52.93	63.54	43.38	42.37	73.80	47.26	28.67	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
		Lab	77.21	85.27	81.84	83.34	70.28	69.19	76.27	86.44	71.35	62.65	54.29
	8,7,4	HSV	27.83	80.03	75.83	40.85	86.56	65.74	57.49	86.44	71.10	31.52	67.11
		Average	45.17	77.56	64.31	56.59	65.52	44.98	47.26	74.72	47.48	31.39	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
		Lab	72.49	85.47	78.94	86.07	71.22	70.07	79.35	85.26	70.91	66.69	56.70
		HSV	23.58	87.75	71.41	40.48	89.16	71.32	62.16	85.87	76.28	34.32	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
	8,7,6	RGB	0.00	70.74	9.37	47.60	26.35	0.00	12.48	37.23	0.00	0.00	0.00
		Lab	67.77	84.34	75.51	87.53	71.28	70.30	81.86	82.98	69.86	70.53	58.67
		HSV	18.77	94.73	65.70	39.07	86.56	75.56	65.61	81.51	79.59	36.24	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
		Lab	63.26	82.04	71.81	87.28	70.67	69.68	83.13	79.86	68.07	73.87	60.09
	8,7,7	HSV	13.50	94.37	59.23	36.69	80.76	77.67	67.43	75.30	80.08	37.21	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	15.90	65.24	10.53	26.97	4.48	0.00	35.06	23.23	0.00	0.00
		Lab	97.50	71.83	83.04	66.93	60.93	60.46	59.91	76.33	66.60	44.76	42.08
		HSV	82.67	22.02	33.78	63.59	33.31	15.84	33.43	40.94	18.81	38.29	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
	9,0,1	RGB	68.47	30.46	73.46	31.58	40.01	18.23	0.90	50.71	28.42	0.00	0.00
		Lab	89.13	76.58	88.76	75.31	67.89	67.49	67.75	81.29	72.34	53.13	49.74
		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	47.67	40.25	67.72	52.29	47.11	28.86	19.50	60.96	28.41	0.00	0.00
		Lab	81.20	79.27	89.44	83.20	73.46	73.13	74.88	83.55	76.02	61.05	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	26.89	42.99	53.06	72.92	46.52	35.15	36.92	61.37	23.18	0.00	6.91
		Lab	73.95	79.17	85.76	90.37	77.26	77.31	80.97	82.50	77.66	68.29	62.40
		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
	9,0,4	RGB	5.83	37.52	35.04	93.26	38.61	35.78	51.88	51.25	13.37	20.60	18.42
		Lab	66.93	76.55	80.29	97.08	79.42	79.71	85.58	78.77	77.07	75.30	67.74
		HSV	60.45	38.18	36.34	84.63	45.86	33.56	59.17	52.17	34.90	67.68	35.55
		Average	44.40	50.75	50.56	91.66	54.63	49.68	65.54	60.73	41.78	54.53	40.57
		RGB	0.00	25.94	16.13	84.76	25.40	30.64	61.33	35.98	0.82	41.22	26.02
		Lab	60.36	72.81	74.38	95.57	79.23	79.70	87.67	74.10	74.56	81.85	71.89
	9,0,5	HSV	53.14	40.23	34.53	83.28	46.44	36.26	64.06	52.00	37.02	74.12	38.52

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
	9,1,4	RGB	13.06	45.30	39.30	83.94	39.86	31.72	45.78	58.00	14.92	12.12	10.12
		Lab	70.19	79.88	81.91	93.11	76.93	77.34	83.97	82.09	76.53	71.76	63.84
		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
	9,1,5	RGB	0.00	36.90	22.31	89.00	29.25	28.35	56.44	45.30	4.14	30.72	17.19
		Lab	64.05	77.06	76.82	95.91	77.39	78.20	87.48	78.25	75.07	77.76	67.67
		HSV	51.81	48.00	41.64	80.55	54.11	43.38	69.65	59.79	44.45	71.79	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
	9,1,6	RGB	0.00	23.77	4.47	73.23	15.62	20.81	60.34	29.21	0.00	49.35	20.96
		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	34.14	48.66	38.14	80.68	48.47	47.83	74.24	53.57	39.32	69.88	46.49
	9,1,7	RGB	0.00	8.36	0.00	54.98	0.19	10.40	56.01	12.21	0.00	67.00	20.52
		Lab	52.25	68.70	65.98	87.02	74.11	75.04	86.37	68.57	68.62	88.90	72.63
		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
	9,2,0	RGB	90.99	15.46	63.44	8.91	25.56	2.69	0.00	34.08	22.04	0.00	0.00
		Lab	97.91	71.68	82.55	66.48	60.46	59.97	59.49	76.10	66.16	44.30	41.58
		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
	9,2,1	RGB	73.03	30.10	69.45	26.30	35.92	12.81	0.00	48.64	25.80	0.00	0.00
		Lab	91.43	76.62	86.25	72.73	65.13	64.75	65.60	81.00	70.09	50.61	46.80
		HSV	71.61	39.05	50.23	65.54	50.19	31.89	45.83	58.16	35.35	42.49	32.46
		Average	78.69	48.59	68.64	54.85	50.41	36.48	37.14	62.60	43.75	31.03	26.42
	9,2,2	RGB	55.13	42.34	66.26	43.40	42.45	20.64	11.37	60.31	25.81	0.00	0.00
		Lab	84.96	80.68	87.76	78.85	69.04	69.20	71.72	84.92	73.43	56.87	51.78
		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
	9,2,3	RGB	37.30	50.42	55.90	59.96	43.86	25.47	25.93	66.08	22.12	0.00	0.00
		Lab	78.80	82.59	86.22	84.61	72.37	72.61	77.13	86.01	75.16	62.88	56.41
		HSV	62.09	49.15	51.92	74.65	58.49	42.51	60.60	66.08	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
9,2,4	RGB	19.54	52.27	42.16	75.00	39.87	26.77	39.01	63.16	15.25	3.85	1.99	
	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	48.25	
	Average	49.43	62.66	58.56	80.31	58.32	49.54	62.91	71.95	46.64	44.90	36.88	
9,2,5	RGB	1.84	47.29	26.96	83.82	31.44	24.41	49.52	53.22	5.93	20.36	8.13	
	Lab	67.37	80.80	78.53	92.97	75.22	76.10	85.79	81.85	74.77	73.81	63.74	
	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	
9,2,6	RGB	0.00	37.14	11.10	77.50	20.03	18.74	55.68	39.71	0.00	36.39	11.59	
	Lab	61.85	77.88	73.77	92.62	74.68	75.82	88.10	77.98	72.71	78.82	66.30	
	HSV	42.27	57.11	45.13	72.20	60.84	52.56	79.33	65.39	53.25	71.72	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	
9,2,7	RGB	0.00	23.91	0.00	63.24	6.75	10.43	55.71	24.55	0.00	51.53	12.12	
	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	30.54	51.75	36.61	73.24	46.10	46.14	75.46	53.32	41.12	69.60	45.40	
	9,3,0	RGB	91.76	15.15	62.41	7.94	24.63	1.68	0.00	33.54	21.46	0.00	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
		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
	9,3,1	RGB	75.07	29.73	67.23	23.62	33.77	10.09	0.00	47.39	24.36	0.00	0.00
		Lab	92.44	76.65	84.85	71.27	63.47	63.32	64.48	80.88	68.96	49.21	45.15
		HSV	65.58	44.33	56.99	60.77	55.59	36.47	46.93	63.71	40.41	39.29	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
	9,3,2	RGB	58.46	42.75	64.52	38.86	39.63	16.42	7.20	59.11	24.09	0.00	0.00
		Lab	86.40	81.08	86.42	76.84	66.96	67.32	70.19	85.18	72.04	54.97	49.61
		HSV	62.09	50.29	58.73	65.31	60.89	42.51	54.59	69.12	46.15	45.85	42.92
		Average	68.98	58.04	69.89	60.34	55.83	42.08	43.99	71.14	47.43	33.61	30.84
	9,3,3	RGB	41.92	52.98	55.74	53.32	41.31	20.23	20.15	66.51	20.73	0.00	0.00
		Lab	80.81	84.03	85.41	81.70	69.60	70.18	75.12	87.41	73.63	60.20	53.40
		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
9,3,4	RGB	25.72	58.53	43.86	65.77	38.24	21.13	31.70	67.10	14.91	0.00	0.00	
	Lab	75.61	85.66	82.80	85.53	70.92	72.11	79.55	87.90	74.26	64.85	56.38	
	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	
9,3,5	RGB	9.34	57.47	30.35	74.39	31.66	19.24	41.40	60.12	6.77	9.60	0.00	
	Lab	70.29	85.00	79.21	88.68	71.84	73.31	83.48	85.74	73.80	69.63	59.31	
	HSV	45.65	63.31	55.02	69.10	69.00	56.74	76.39	75.07	58.73	62.22	58.12	
	Average	41.76	68.59	54.86	77.39	57.50	49.76	67.09	73.64	46.43	47.15	39.15	
9,3,6	RGB	0.00	50.32	16.07	74.43	22.24	14.69	48.05					

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)	
	9,4,5	HSV	46.83	66.76	64.10	62.73	74.68	58.22	69.33	82.74	61.60	51.96	58.69	
		Average	51.81	72.64	63.40	67.21	59.36	47.53	56.84	80.39	49.23	37.83	37.18	
		RGB	15.95	66.84	32.03	64.00	30.00	13.01	32.50	64.77	6.33	0.00	0.00	
		Lab	73.02	88.96	79.22	84.19	68.13	70.24	80.39	89.42	72.39	65.20	54.83	
		HSV	41.19	70.74	60.99	62.15	75.96	62.66	76.22	82.29	65.33	56.03	63.51	
	9,4,6	Average	43.39	75.51	57.41	70.11	58.03	48.64	63.04	78.82	48.02	40.41	39.45	
		RGB	0.79	63.23	19.14	66.11	22.14	8.97	38.63	55.78	0.00	10.40	0.00	
		Lab	68.30	87.89	75.88	85.62	68.15	70.63	83.37	86.82	71.50	68.92	56.75	
		HSV	35.06	72.91	56.63	59.97	74.68	65.81	82.20	78.65	67.50	58.96	67.10	
		Average	34.72	74.67	50.55	70.57	54.99	48.47	68.07	73.75	46.33	46.09	41.28	
	9,4,7	RGB	0.00	54.59	5.73	61.99	12.51	2.86	41.45	44.19	0.00	20.73	0.00	
		Lab	63.91	85.75	72.22	85.28	67.26	69.99	85.00	83.61	69.76	71.84	57.78	
		HSV	28.57	72.83	51.35	56.43	71.18	67.29	86.06	73.09	67.81	60.48	69.01	
		Average	30.83	71.06	43.10	67.90	50.32	46.71	70.84	66.96	45.86	51.02	42.27	
	9,5,0	RGB	92.80	14.65	60.61	6.31	23.20	0.00	0.00	32.51	20.23	0.00	0.00	
		Lab	98.34	71.63	81.54	65.54	59.28	59.02	58.79	75.96	65.39	43.38	40.45	
		HSV	53.14	45.22	64.71	44.48	56.40	36.26	38.04	63.71	41.24	24.48	35.39	
		Average	81.43	43.83	68.95	38.78	46.29	31.76	32.28	57.39	42.29	22.62	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	51.81	52.61	68.80	48.80	63.50	43.38	45.61	71.24	48.28	30.55	42.61	
		Average	74.66	52.47	71.12	45.12	51.00	36.17	35.92	65.29	45.40	25.64	28.18	
	9,5,2	RGB	63.96	42.28	59.49	29.68	33.25	7.85	0.00	55.20	19.93	0.00	0.00	
		Lab	88.67	81.07	83.13	72.49	62.49	63.33	66.77	84.74	68.96	50.85	45.04	
		HSV	49.26	59.77	71.24	52.19	70.17	50.24	53.05	78.47	55.02	36.21	49.61	
		Average	67.30	61.04	71.29	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	83.70	85.68	82.32	75.69	63.60	65.18	70.78	88.78	70.19	54.65	47.26	
		HSV	45.65	66.58	71.59	54.44	76.04	56.74	60.30	84.94	61.29	41.34	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	
	9,5,4	RGB	35.58	66.54	42.85	47.83	31.58	8.41	16.35	67.74	11.37	0.00	0.00	
		Lab	79.19	89.36	80.71	78.30	64.34	66.56	74.33	91.42	70.82	58.13	49.25	
		HSV	41.19	72.76	69.77	55.36	80.39	62.66	67.22	89.22	66.84	45.78	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	74.67	92.07	78.25	80.19	64.52	67.36	77.51	92.08	70.75	61.38	50.89	
		HSV	36.04	77.79	66.13	54.87	82.07	67.71	73.55	88.51	71.24	49.36	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	
	9,5,6	RGB	7.33	75.96	20.04	55.28	19.83	1.67	27.90	59.44	0.00	0.00	0.00	
		Lab	70.42	93.06	75.15	80.73	63.80	67.17	79.68	90.55	69.74	63.85	51.70	
		HSV	30.37	80.74	61.19	53.03	80.39	71.41	78.76	83.44	73.90	51.87	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	66.43	91.44	72.18	80.82	63.10	66.85	81.38	87.76	68.55	66.23	52.55	
		HSV	24.28	80.64	55.37	49.98	76.04	73.19	81.87	76.70	74.29	53.16	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	
		9,6,0	RGB	93.10	14.45	59.83	5.65	22.70	0.00	0.00	32.01	19.60	0.00	0.00
			Lab	98.40	71.47	81.45	65.55	59.44	58.90	58.66	75.72	65.18	43.39	40.49
HSV			45.65	47.43	68.43	38.25	57.92	38.05	35.97	64.48	43.40	19.61	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	
	9,6,1	RGB	79.52	28.01	60.18	15.82	27.39	2.08	0.00	42.93	19.54	0.00	0.00	
		Lab	93.56	76.18	81.03	67.28	58.92	59.55	61.42	80.02	65.96	45.39	40.75	
		HSV	44.50	55.17	73.09	42.11	65.33	45.40	43.27	72.22	50.74	25.29	44.11	
		9,6,2	Average	72.53	53.12	71.43	41.74	50.55	35.68	34.89	65.06	45.42	23.56	28.29
			RGB	65.97	41.43	56.39	25.05	29.77	3.51	0.00	52.64	17.53	0.00	0.00
			Lab	88.68	81.24	81.26	70.48	60.12	61.52	65.39	84.68	67.58	49.02	42.85
			HSV	42.27	62.83	75.95	45.08	72.44	52.56	50.35	79.79	57.87	30.52	51.32
			9,6,3	Average	65.64	61.83	71.20	46.87	54.11	39.20	38.58	72.37	47.66	26.51
RGB	52.47			54.64	49.40	32.98	29.62	3.35	2.05	60.29	13.73	0.00	0.00	
Lab	84.22			85.74	80.17	72.54	60.29	62.62	68.51	88.60	68.36	51.76	44.09	
HSV	39.08			70.33	76.37	47.02	78.93	59.42	57.14	86.90	64.65	35.20	58.26	
Average	58.59		70.24	68.65	50.85	56.28	41.80	42.57	78.60	48.91	28.98	34.12		
	9,6,4	RGB	39.01	67.45	40.37	39.13	26.99	1.61	8.53	64.56	8.37	0.00	0.00	
		Lab	79.84	90.09	78.74	74.69	60.74	63.78	71.74	91.91	68.94	54.83	45.71	
		HSV	35.06	77.53	74.21	47.81	84.05	65.81	63.46	92.19	70.83	39.19	64.78	
		9,6,5	Average	51.30	78.36	64.44	53.88	57.26	43.74	47.91	82.89	49.38	31.34	36.83
			RGB	25.64	79.31	29.95	42.71	22.13	0.00	13.38	63.97	1.49	0.00	0.00
			Lab	75.63	94.17	76.33	75.71	60.30	63.98	74.09	93.37	68.53	57.15	46.52
			HSV	30.37	83.99	70.03	47.40	86.18	71.41	69.01	91.24	75.95	42.36	70.58
		Average	43.88	85.82	58.77	55.27	56.20	45.13	52.16	82.86	48.66	33.17	39.04	
	9,6,6	RGB	12.27	86.99	18.96	43.76	15.48	0.00	16.92	59.33	0.00	0.00	0.00	
		Lab	71.54	97.41	73.68	76.18	59.59	63.89	76.05	92.54	67.78	59.26		



Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)	
	9,7,5	RGB	28.47	78.56	26.61	32.02	16.17	0.00	3.62	59.34	0.00	0.00	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	
		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	
	9,7,6	RGB	15.50	90.25	15.95	31.87	9.48	0.00	5.63	55.50	0.00	0.00	0.00	
		Lab	71.55	96.85	71.53	71.78	55.35	60.69	72.58	92.09	65.67	55.00	42.92	
		HSV	19.43	95.17	66.31	38.41	84.18	77.78	66.86	82.97	82.40	37.08	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	
	9,7,7	RGB	2.53	91.66	4.84	29.52	1.56	0.00	6.14	48.82	0.00	0.00	0.00	
		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	28.09	94.36	44.41	45.59	44.86	46.67	49.44	71.67	49.10	31.40	40.52	
	10,0,0	RGB	89.59	15.90	65.24	10.53	26.97	4.48	0.00	35.06	23.23	0.00	0.00	
		Lab	97.50	71.83	83.04	66.93	60.93	60.46	59.91	76.33	66.60	44.76	42.08	
		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	
	10,0,1	RGB	68.61	30.33	73.64	31.45	39.52	18.38	1.01	50.98	28.88	0.00	0.00	
		Lab	89.13	76.68	88.83	75.30	67.79	67.56	67.84	81.45	72.48	53.13	49.72	
		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	
	10,0,2	RGB	47.81	40.15	67.95	52.16	46.61	29.07	19.67	61.37	28.91	0.00	0.00	
		Lab	81.42	79.35	89.58	82.97	73.19	73.06	74.80	83.72	76.09	60.82	56.30	
		HSV	75.70	31.36	37.92	74.95	40.64	26.60	47.75	49.00	28.77	54.34	27.31	
		Average	68.31	50.29	65.15	70.02	53.48	42.91	47.41	64.70	44.59	38.39	27.87	
	10,0,3	RGB	27.03	42.93	53.27	72.78	46.07	35.43	37.18	61.84	23.68	0.00	6.81	
		Lab	74.17	79.33	85.97	90.13	77.01	77.30	80.95	82.75	77.81	68.06	62.19	
		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	
	10,0,4	RGB	6.09	37.46	35.45	92.87	37.91	36.43	52.62	52.10	14.33	20.40	18.24	
		Lab	67.15	76.93	80.41	96.73	79.07	79.59	85.68	79.16	77.13	75.06	67.39	
		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	
	10,0,5	RGB	0.00	25.93	16.51	84.87	24.88	31.32	62.38	36.69	1.72	41.04	25.90	
		Lab	60.58	73.12	74.65	95.69	78.94	79.96	88.09	74.50	74.96	81.61	71.67	
		HSV	54.10	40.11	35.40	80.54	45.64	37.11	64.99	52.36	37.73	75.90	38.52	
		Average	38.23	46.39	42.19	87.03	49.82	49.46	71.82	54.52	38.14	66.18	45.36	
	10,0,6	RGB	0.00	10.28	0.00	64.26	8.71	21.64	62.57	18.70	0.00	61.82	28.96	
		Lab	54.01	68.45	68.48	89.37	76.88	77.97	86.98	69.12	71.16	88.13	74.79	
		HSV	46.48	41.15	32.68	76.58	45.06	38.93	68.75	50.89	38.92	81.78	40.58	
		Average	33.50	39.96	33.72	76.74	43.55	46.18	72.77	46.24	36.69	77.24	48.11	
	10,0,7	RGB	0.00	0.00	0.00	43.66	0.00	8.64	52.65	0.00	0.00	82.16	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	
		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	
		10,1,0	RGB	90.31	15.60	64.50	9.74	26.05	3.79	0.00	34.76	23.01	0.00	0.00
			Lab	97.86	71.84	82.65	66.47	60.30	60.09	59.63	76.34	66.38	44.30	41.54
			HSV	81.62	27.72	41.76	60.96	38.58	21.78	36.81	47.40	25.02	37.98	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
10,1,1		RGB	71.09	30.12	71.82	28.68	37.04	15.76	0.00	50.25	28.01	0.00	0.00	
		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	33.14	44.15	67.41	43.39	27.46	44.21	52.28	30.40	45.54	27.64	
		Average	80.05	46.74	67.73	56.58	48.76	36.36	36.93	61.37	43.19	32.36	25.13	
10,1,2		RGB	51.92	41.17	67.97	47.47	43.48	25.33	15.89	62.10	28.69	0.00	0.00	
		Lab	83.53	80.51	88.80	80.53	70.49	70.97	73.26	84.99	74.89	58.50	53.57	
		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	
	10,1,3	RGB	32.79	46.71	55.84	65.94	43.82	31.41	32.35	66.28	24.89	0.00	0.00	
		Lab	76.96	81.59	86.68	86.86	74.04	74.94	79.14	85.28	76.92	65.02	58.77	
		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	
	10,1,4	RGB	13.71	45.03	40.27	83.13	37.99	33.13	47.31	60.34	17.30	11.61	9.63	
		Lab	70.57	80.76	82.26	92.36	75.90	77.47	84.45	83.22	77.15	71.24	63.18	
		HSV	59.98	45.54	44.68	79.17	52.50	41.27	64.94	60.42	42.82	67.10	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	
	10,1,5	RGB	0.00	36.76	23.42	88.69	27.51	30.20	59.07	47.68	6.85	30.11	16.74	
		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	39.06	54.19	47.75	87.35	52.37	51.00	72.71	62.39	42.62	60.24	43.06	
	10,1,6	RGB	0.00	23.75	5.88	73.67	13.87	23.34	64.74	31.88	0.00	48.55	20.61	
		Lab	58.72	74.49	72.01	92.20	75.20	77.68	89.86	75.02	73.20	82.52	69.58	
		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	
	10,1,7	RGB	0.00	8.49	0.00	55.66	0.00	13.15	60.92	14.81	0.00	66.11	20.39	
		Lab	53.04	70.17	66.74	87.34	73.08	75.68	88.28	70.14	69.80	87.63	71.50	
		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	
		10,2,0	RGB	91.13	15.31	63.47	8.77	25.13	2.78	0.00	34.23	22.43	0.00	0.00
			Lab	97.91	71.68	82.55	66.48	60.46	59.97	59.49	76.10	66.16	44.30	41.58
			HSV	75.70	33.05	48.64	58.18	43.99	26.60	38.78	53.03	30.23	35.98	26.23
			Average	88.25	40.01	64.89	44.48	43.19	29.78	32.76	54.45	39.60	26.76	22.60
10,2,1		RGB	73.42	29.72	69.79	25.88	34.51	13.16	0.00	49.35	27.06	0.00	0.00	
		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	79.45	48.55	69.07	54.07	49.34	36.81	37.34	63.16	44.46	31.13	26.22	
10,2,2		RGB	55.78	41.72	67.14	42.69	40.04	21.42	11.97	62.11	28.09	0.00	0.00	
		Lab	85.28	81.12	87.66	78.29	68.16	69.00	71.65	85.61	73.58	56.38	51.17	
		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	63.3								

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
	10,2,6	HSV	50.14	55.56	49.61	73.50	60.53	51.34	75.31	68.03	52.64	69.02	52.02
		Average	40.50	61.78	52.47	82.28	53.81	51.51	71.70	70.16	46.34	53.49	40.36
		RGB	0.00	36.87	13.33	77.41	16.83	22.45	61.58	44.55	0.37	34.98	10.80
		Lab	62.81	80.35	74.40	90.93	72.27	75.82	89.63	80.62	73.88	76.90	64.22
		HSV	43.05	56.95	46.17	70.47	59.74	53.71	81.01	65.88	54.21	73.34	54.68
	10,2,7	Average	35.28	58.06	44.63	79.60	49.61	50.66	77.41	63.68	42.82	61.74	43.23
		RGB	0.00	23.90	0.00	63.94	3.88	14.75	63.39	29.34	0.00	49.93	11.61
		Lab	57.51	76.68	69.66	88.35	70.82	74.66	90.40	76.21	71.24	81.16	65.94
		HSV	35.75	56.91	41.83	65.82	57.45	54.79	84.56	62.15	54.43	75.74	56.05
		Average	31.08	52.49	37.16	72.70	44.05	48.07	79.45	55.90	41.89	68.94	44.53
	10,3,0	RGB	91.88	15.00	62.44	7.80	24.19	1.77	0.00	33.69	21.83	0.00	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
		HSV	68.86	37.82	55.17	54.17	48.74	30.83	39.75	57.90	34.88	33.08	30.05
		Average	86.32	41.50	66.59	42.66	44.25	30.74	32.99	55.90	40.88	25.64	23.70
		RGB	75.55	29.22	67.58	23.06	31.92	10.48	0.00	48.26	25.95	0.00	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	44.21	58.32	59.52	54.62	37.33	47.56	64.19	41.16	40.02	36.66
		Average	78.41	50.08	70.11	51.03	49.63	36.91	37.25	64.56	45.35	29.50	26.99
		RGB	59.30	41.79	65.52	37.84	36.35	17.38	7.93	61.41	27.14	0.00	0.00
		Lab	86.84	81.68	85.94	75.69	65.32	66.77	69.86	86.15	72.08	53.95	48.39
10,3,2	HSV	63.28	50.15	60.11	63.91	59.79	43.46	55.33	69.68	46.98	46.68	42.92	
	Average	69.81	57.87	70.52	59.15	53.82	42.54	44.37	72.41	48.73	33.54	30.44	
	RGB	43.13	51.61	57.39	51.81	36.86	21.95	21.58	71.26	25.22	0.00	0.00	
	Lab	81.34	85.44	85.03	80.05	67.31	69.56	74.88	89.57	73.90	58.83	51.74	
	HSV	58.43	55.47	60.36	66.93	63.93	49.08	63.02	73.88	52.19	52.93	48.71	
	10,3,3	Average	60.97	64.17	67.59	66.26	56.03	46.86	53.16	78.24	50.44	37.26	33.49
		RGB	27.16	57.02	45.89	63.90	33.51	23.59	34.04	73.78	20.29	0.00	0.00
		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	59.90	59.40	68.21	66.66	54.01	70.57	76.09	56.56	58.60	53.86
		Average	52.02	68.14	62.53	71.93	56.27	49.72	61.34	80.12	50.50	40.67	36.18
	10,3,4	RGB	11.15	56.07	32.83	72.31	26.70	22.72	45.36	67.65	13.31	7.86	0.00
		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	63.13	56.29	67.54	67.62	58.00	77.84	75.76	59.82	63.41	58.12
		Average	42.92	68.99	56.15	75.30	54.41	51.13	68.88	77.50	49.20	46.26	38.37
		RGB	0.00	49.29	19.03	73.09	17.42	19.19	54.20	56.33	4.59	21.28	0.04
10,3,5	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	64.83	52.35	65.02	66.66	60.78	84.44	72.99	61.68	66.98	61.21	
	Average	35.38	66.79	48.98	74.95	50.81	50.93	75.09	71.81	46.54	53.13	39.97	
	RGB	0.00	38.70	4.76	65.84	6.40	13.32	59.09	42.88	0.00	33.78	0.97	
	Lab	61.62	83.29	71.64	86.05	67.41	72.35	88.69	82.24	71.57	74.51	60.09	
	10,3,6	HSV	32.86	64.77	47.50	61.02	63.93	62.05	89.05	68.40	61.94	68.89	62.82
		Average	31.49	62.25	41.30	70.97	45.91	49.24	78.94	64.51	44.50	59.06	41.29
		RGB	92.42	14.73	61.66	7.01	23.28	1.02	0.00	33.35	21.52	0.00	0.00
		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	41.89	61.16	49.23	52.62	34.38	39.69	61.74	38.85	29.41	33.14
	10,3,7	Average	84.11	42.76	68.22	40.67	45.15	31.57	32.90	57.04	42.01	24.34	24.63
		RGB	77.43	28.53	65.22	20.21	29.28	7.82	0.00	47.01	24.78	0.00	0.00
		Lab	93.14	76.81	83.08	69.24	60.87	61.63	63.21	81.04	67.87	47.28	42.86
		HSV	59.98	48.79	64.85	54.00	59.06	41.27	47.49	68.78	45.58	35.95	40.09
		Average	76.85	51.38	71.05	47.81	49.74	36.91	36.90	65.61	46.08	27.74	27.65
	10,4,0	RGB	62.41	41.38	63.22	32.93	32.45	13.22	3.79	60.03	25.83	0.00	0.00
		Lab	87.88	81.87	83.68	73.02	62.46	64.27	67.82	86.03	70.12	51.46	45.53
		HSV	56.94	55.33	66.99	57.80	64.87	47.85	55.24	75.28	51.94	42.13	46.75
		Average	69.08	59.53	71.30	54.59	53.26	41.78	42.28	73.78	49.30	31.20	30.76
		RGB	47.58	52.61	56.18	44.46	32.48	16.39	15.49	70.89	24.05	0.00	0.00
	10,4,1	Lab	82.87	86.31	83.07	76.44	63.75	66.56	72.22	90.37	71.82	55.51	48.10
		HSV	52.74	61.35	67.29	60.36	69.70	54.01	62.91	80.65	57.76	47.84	53.01
		Average	61.07	66.76	68.84	60.42	55.31	45.65	50.21	80.64	51.21	34.45	33.70
		RGB	32.73	60.63	46.31	54.42	29.32	17.74	26.64	77.33	20.25	0.00	0.00
		Lab	78.10	89.99	81.13	79.06	64.37	68.05	76.08	93.30	72.51	59.14	50.16
	10,4,2	HSV	47.67	66.56	65.70	61.42	73.01	59.54	70.44	83.76	62.77	52.89	58.69
		Average	52.83	72.39	64.38	64.97	55.56	48.44	57.72	84.80	51.85	37.34	36.28
		RGB	18.09	63.81	34.79	61.22	23.54	16.66	36.26	75.15	14.23	0.00	0.00
		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	70.51	62.46	60.86	74.20	64.14	77.66	83.28	66.63	57.06	63.51
	10,4,3	Average	44.48	75.47	58.58	67.68	54.08	49.95	64.52	83.96	51.15	39.88	38.50
		RGB	3.41	60.55	22.51	63.56	15.58	13.77	44.35	66.36	6.89	7.57	0.00
		Lab	68.82	92.00	75.14	81.55	63.79	69.07	82.32	90.90	71.63	65.44	53.09
		HSV	35.75	72.66	57.94	58.75	73.01	67.43	84.19	79.46	68.90	60.06	67.10
		Average	35.99	75.07	51.86	67.95	50.79	50.09	70.29	78.91	49.14	44.35	40.06
	10,4,4	RGB	0.00	52.56	9.88	60.31	5.92	9.03	49.71	54.96	0.00	17.31	0.00
		Lab	64.64	89.95	71.80	80.94	62.49	68.55	84.03	87.69	70.31	67.53	53.62
		HSV	29.20	72.59	52.52	55.31	69.70	68.98	88.70	73.73	69.22	61.62	69.01
		Average	31.28	71.70	44.73	65.52	46.04	48.86	74.15	72.12	46.51	48.82	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
	10,4,5	Lab	98.34	71.63	81.54	65.54	59.28	59.02	58.79	75.96	65.39	43.38	40.45
		HSV	54.10	45.10	66.34	43.59	55.41	37.11	38.58	64.19	42.00	25.07	35.39
		Average	81.80	43.71	69.50	38.39	45.68	32.04	32.46	57.64	42.77	22.82	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
		Lab	93.21	76.61	81.55	67.70	59.10	60.18	62.04	80.67	66.70	45.82	41.17
	10,4,6	HSV	52.74	52.46	70.66	47.85	62.32	44.34	46.23	71.84	49.15	31.19	42.61
		Average	74.98	52.28	71.65	44.30	49.34	36.53	36.09	66.04	46.43	25.67	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
		Lab	88.26	81.67	81.85	70.86	60.16	62.34	66.16	85.59	68.62	49.44	43.28
		HSV	50.14	59.60	73.27	51.17	68.74	51.34	53.77	79.27	56.02	36.91	49.61
	10,4,7	Average	67.80	60.59	71.83	50.00	52.42	40.88	39.98	74.30	49.61	28.98	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
		Lab	83.50	86.38	80.92	73.29	60.57	63.91	69.82	90.11	69.84		

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)	
	10,5,6	RGB	10.26	69.30	23.65	51.51	11.28	6.56	32.90	73.01	7.36	0.00	0.00	
		Lab	70.39	96.92	73.56	76.09	58.93	64.94	77.45	93.82	69.14	59.73	47.55	
		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	
	10,5,7	RGB	0.00	64.23	12.11	49.94	2.88	2.08	37.31	63.09	0.00	1.09	0.00	
		Lab	66.13	94.79	70.30	75.43	57.45	64.21	78.70	90.39	67.77	61.27	47.65	
		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	
		10,6,0	RGB	93.31	14.05	59.85	5.23	21.41	0.00	0.00	32.42	20.64	0.00	0.00
			Lab	98.40	71.46	81.24	65.07	58.72	58.73	58.49	75.84	65.25	42.93	39.99
			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
10,6,1		RGB	80.08	26.84	60.41	14.63	23.89	2.64	0.00	44.30	22.36	0.00	0.00	
		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	52.62	72.04	40.80	48.66	36.01	34.92	65.67	46.55	23.52	28.02	
10,6,2		RGB	66.93	39.18	57.06	23.01	24.14	4.62	0.00	55.54	22.27	0.00	0.00	
		Lab	87.96	81.28	79.87	68.58	57.64	60.42	64.51	85.01	67.16	47.35	40.94	
		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	
10,6,3	RGB	53.84	50.88	50.65	30.06	22.20	5.10	3.34	65.61	20.31	0.00	0.00		
	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	59.01	68.90	69.32	48.73	52.14	42.35	42.86	80.95	51.32	28.51	33.33		
	10,6,4	RGB	40.85	61.37	42.21	35.36	18.24	4.16	10.53	73.25	16.73	0.00	0.00	
		Lab	78.92	90.06	76.49	71.22	56.79	61.70	69.92	92.31	67.87	51.90	42.50	
		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	
	10,6,5	RGB	27.99	69.30	32.52	38.16	12.25	1.64	16.28	76.20	11.79	0.00	0.00	
		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	32.18	37.73	
	10,6,6	RGB	15.16	73.01	22.16	38.92	5.25	0.00	20.91	72.95	5.61	0.00	0.00	
		Lab	70.68	95.94	71.32	71.43	54.64	61.21	73.22	92.73	66.49	55.02	42.92	
		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	
10,6,7	RGB	2.36	70.65	11.40	37.24	0.00	0.00	23.90	65.29	0.00	0.00	0.00		
	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		
	10,7,0	RGB	93.59	13.69	58.80	4.25	20.47	0.00	0.00	31.83	20.00	0.00	0.00	
		Lab	98.50	71.28	80.86	64.85	58.61	58.33	58.15	75.53	64.77	42.70	39.74	
		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	
	10,7,1	RGB	80.82	25.78	57.77	11.73	21.14	0.00	0.00	42.63	20.88	0.00	0.00	
		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	71.66	37.17	47.30	35.12	33.57	64.64	46.25	21.26	27.75	
	10,7,2	RGB	68.11	37.44	53.42	18.01	19.80	0.21	0.00	52.60	20.05	0.00	0.00	
		Lab	87.42	80.50	77.86	66.37	55.33	58.40	62.70	83.88	65.46	45.28	38.67	
		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	
10,7,3	RGB	55.46	48.43	46.59	22.84	16.56	0.00	0.00	61.16	17.58	0.00	0.00		
	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	57.08	68.41	68.38	43.07	49.49	40.40	39.65	78.11	50.47	25.59	32.72		
10,7,4	RGB	42.90	58.00	37.98	25.58	11.28	0.00	2.03	67.13	13.67	0.00	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		
	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		
10,7,5	RGB	30.39	65.84	28.45	26.66	5.06	0.00	5.74	69.03	8.22	0.00	0.00		
	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		
	Average	43.22	81.57	58.23	44.69	47.12	44.75	46.31	83.18	51.44	28.79	37.02		
10,7,6	RGB	17.92	69.96	18.39	25.96	0.00	0.00	8.46	66.69	2.03	0.00	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		
	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		
10,7,7	RGB	5.50	69.02	7.93	23.39	0.00	0.00	9.78	60.64	0.00	0.00	0.00		
	Lab	66.31	92.17	66.29	67.11	49.78	57.32	70.52	88.04	62.77	52.33	39.08		
	HSV	14.64	93.63	61.16	35.28	77.04	83.06	69.84	77.10	85.81	38.78	78.77		
	Average	28.82	84.94	45.13	41.92	42.27	46.79	50.05	75.26	49.53	30.37	39.28		
	11,0,0	RGB	89.43	15.88	65.52	10.70	26.97	4.79	0.00	35.27	23.59	0.00	0.00	
		Lab	97.46	72.00	83.14	66.92	60.77	60.58	60.05	76.57	66.82	44.75	42.04	
		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	
	11,0,1	RGB	68.45	30.30	73.88	31.62	39.47	18.66	1.27	51.17	29.17	0.00	0.00	
		Lab	89.12	76.77	88.91	75.30	67.69	67.63	67.92	81.60	72.62	53.13	49.70	
		HSV	83.67	26.72	37.51	67.14	36.19	22.36	41.39	45.70	24.81	47.39	23.04	
		Average	80.41	44.60	66.77	58.02	47.78	36.22	36.86	59.49	42.20	33.51	24.25	
	11,0,2	RGB	47.49	39.90	68.15	52.52	46.37	29.70	20.24	61.69	29.46	0.00	0.00	
		Lab	81.19	79.48	89.60	83.18	73.21	73.31	75.11	83.90	76.33	61.05	56.47	
		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	
11,0,3	RGB	26.53	42.31	53.27	73.32	45.52	36.32	38.11	62.03	24.33	0.14	7.44		
	Lab	73.94	79.19	86.03	90.36	77.11	77.68	81.24	82.70	78.15	68.29	62.47		
	HSV	70.02	34.88	38.85	76.87	42.44	31.49	54.69	51.54	33.09	62.77	32.62		
	Average	56.83	52.13	59.38	80.18	55.02	48.50	58.01	65.42					

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	33.64	39.37	33.90	75.51	42.70	46.67	73.49	46.08	36.92	78.35	48.67
		RGB	0.00	0.00	0.00	42.42	0.00	8.99	53.12	0.00	0.00	83.42	27.06
		Lab	47.66	63.45	62.50	83.05	73.18	74.96	83.78	63.72	67.09	94.24	76.45
		HSV	39.35	40.85	29.83	68.99	42.44	40.49	71.62	48.39	39.67	88.23	42.62
	11,0,7	Average	29.01	34.76	30.78	64.82	38.54	41.48	69.51	37.37	35.58	88.63	48.71
		RGB	90.15	15.64	64.76	9.91	26.06	4.05	0.00	34.96	23.31	0.00	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
		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
	11,1,0	RGB	70.63	29.98	72.56	29.21	36.93	16.69	0.00	50.87	28.98	0.00	0.00
		Lab	90.36	77.10	87.64	73.87	65.93	66.28	66.95	81.88	71.68	51.75	48.02
		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	50.97	40.49	68.71	48.54	42.89	27.17	17.60	63.20	30.39	0.00	0.00
	11,1,1	Lab	83.07	80.63	89.11	80.96	70.67	71.57	73.85	85.29	75.52	58.95	54.01
		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
		Lab	76.46	81.76	86.78	87.18	73.85	75.69	80.00	85.72	77.77	65.44	59.12
	11,1,2	HSV	67.99	41.93	46.53	74.82	49.49	38.06	58.99	59.24	40.03	61.11	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
		Lab	70.09	80.58	82.31	92.60	75.71	78.36	85.41	83.31	78.05	71.66	63.63
		HSV	60.88	45.25	45.55	76.53	51.40	42.04	65.64	60.62	43.45	68.20	43.10
	11,1,3	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
		Lab	63.70	77.73	76.81	94.70	75.82	79.12	89.63	79.23	76.36	77.77	67.34
		HSV	53.50	47.57	43.45	75.62	52.06	45.16	71.62	60.42	45.91	74.78	46.50
		Average	39.07	52.65	47.55	85.84	50.79	52.47	75.11	62.10	43.63	61.85	44.38
	11,1,4	RGB	0.00	19.26	4.42	70.92	10.49	25.55	69.34	30.17	0.00	51.61	22.86
		Lab	57.78	73.84	71.45	91.32	74.54	78.30	90.96	74.54	73.62	83.29	70.10
		HSV	45.96	48.75	40.36	72.36	51.40	47.25	76.41	58.67	47.28	80.32	48.88
		Average	34.58	47.28	38.74	78.20	45.48	50.36	78.90	54.46	40.30	71.74	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
	11,1,5	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	48.19	79.16	55.54	47.47	83.73	50.09
		Average	30.13	40.44	34.17	68.63	40.54	46.37	77.34	45.83	39.19	80.51	48.08
		RGB	90.83	15.34	64.00	9.12	25.15	3.35	0.00	34.64	23.08	0.00	0.00
		Lab	97.86	71.84	82.65	66.47	60.30	60.09	59.63	76.34	66.38	44.30	41.54
	11,1,6	HSV	77.21	32.82	49.58	56.81	43.06	27.21	39.18	53.20	30.74	36.54	27.02
		Average	88.63	40.00	65.41	44.13	42.84	30.22	32.94	54.73	40.07	26.95	22.85
		RGB	72.51	29.51	71.25	26.93	34.33	14.94	0.00	50.61	28.97	0.00	0.00
		Lab	91.41	77.29	86.26	72.40	64.17	64.89	65.92	82.00	70.66	50.34	46.33
		HSV	74.59	38.69	52.35	62.53	48.29	33.36	46.91	58.76	36.60	43.90	33.33
	11,1,7	Average	79.50	48.50	69.95	53.95	48.93	37.73	37.61	63.79	45.41	31.41	26.55
		RGB	54.23	40.71	68.55	44.44	39.24	24.44	14.78	64.15	31.02	0.00	0.00
		Lab	84.75	81.48	88.07	78.66	68.11	69.72	72.41	86.32	74.47	56.80	51.54
		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
	11,2,0	RGB	35.98	47.04	57.83	61.32	38.88	31.01	31.39	71.63	28.92	0.00	0.00
		Lab	78.51	83.88	86.53	84.14	70.79	73.45	78.37	88.25	76.79	62.72	55.98
		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	17.78	46.77	43.51	76.24	33.35	33.80	47.18	68.46	23.04	6.44	4.58
	11,2,1	Lab	72.49	84.12	82.87	88.60	72.22	76.02	83.92	87.22	77.56	68.29	59.77
		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	83.03	23.81	32.39	61.21	56.98	14.17	23.53	11.19
		Lab	66.98	82.24	78.63	91.16	72.63	77.31	88.54	84.02	76.91	73.33	62.89
	11,2,2	HSV	50.86	55.21	50.56	71.37	59.22	52.28	76.32	68.29	53.40	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
		Lab	61.40	79.22	73.77	90.34	71.63	77.12	92.02	79.93	74.95	78.01	65.17
		HSV	43.67	56.59	47.05	68.55	58.45	54.70	82.34	66.12	55.00	74.70	55.97
	11,2,3	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
		Lab	56.11	75.35	68.99	87.32	69.97	75.86	92.41	75.37	72.20	82.15	66.83
		HSV	36.30	56.55	42.65	64.15	56.23	55.80	86.24	62.37	55.22	77.25	57.39
		Average	30.80	48.80	37.21	70.15	42.07	50.06	83.37	54.43	42.47	71.61	46.56
	11,2,4	RGB	91.45	15.07	63.22	8.32	24.23	2.59	0.00	34.31	22.78	0.00	0.00
		Lab	98.08	71.68	82.46	66.24	60.10	59.89	59.42	76.18	66.21	44.07	41.33
		HSV	70.02	37.57	56.24	52.91	47.72	31.49	40.16	58.10	35.43	33.62	30.88
		Average	86.52	41.44	67.31	42.49	44.02	31.33	33.19	56.19	41.47	25.90	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
	11,2,5	Lab	92.07	77.33	85.12	71.15	62.69	63.77	65.04	81.99	69.86	49.15	44.94
		HSV	67.99	43.93	59.47	58.10	53.48	38.06	48.03	64.42	41.76	40.62	37.58
		Average	78.09	50.07	71.44	51.29	49.29	38.32	37.69	65.53	46.82	29.92	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
		Lab	85.93	82.10	86.66	76.51	65.71	67.93	71.03	87.03	73.33	54.82	49.25
	11,2,6	HSV	64.26	49.84	61.32	62.32	58.50	44.26	55.88	69.95	47.65	47.35	43.94
		Average	69.13	57.50	71.89	59.70	53.22	44.57	46.24	73.82	50.77	34.06	31.06
		RGB	40.25	48.36	58.67	54.99	34.85	27.45	27.21	75.06	30.26	0.00	0.00
		Lab	80.23	85.57	85.55	81.02	67.70	71.03	76.40	90.35	75.43	59.92	52.82
		HSV	59.30	55.12	61.57	65.21	62.50	49.98	63.69	74.19	52.94	53.69	49.85
	11,2,7	Average	59.93	63.02	68.60	67.07	55.02	49.48	55.77	79.87	52.87	37.87	34.22
		RGB	23.16	50.34	46.08	67.72	29.91	30.61	42.30	76.38	26.04	0.00	0.00

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
	11,3,7	RGB	0.00	24.86	1.58	61.45	0.00	19.82	72.85	38.23	0.00	41.20	6.85
		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	30.89	56.72	40.17	68.73	42.99	52.33	85.39	62.53	45.24	62.44	44.21
	11,4,0	RGB	92.00	14.75	62.45	7.52	23.32	1.89	0.00	33.97	22.52	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
		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
	11,4,1	RGB	75.89	28.32	67.82	22.10	29.11	10.97	0.00	49.41	28.28	0.00	0.00
		Lab	92.30	77.41	83.94	69.81	61.00	62.71	64.24	82.10	69.20	47.91	43.48
		HSV	60.88	48.48	66.22	52.75	57.79	42.04	47.96	69.04	46.24	36.50	41.06
		Average	76.36	51.41	72.66	48.22	49.30	38.57	37.40	66.85	47.90	28.14	28.18
	11,4,2	RGB	59.85	40.01	66.21	36.00	31.54	18.43	8.68	64.22	31.32	0.00	0.00
		Lab	86.77	82.41	84.98	74.32	63.30	66.07	69.51	87.30	72.03	52.81	46.95
		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
	11,4,3	RGB	43.86	48.67	58.51	48.71	30.31	23.75	22.95	77.23	31.24	0.00	0.00
		Lab	81.27	86.69	84.10	78.00	64.57	68.83	74.53	92.00	74.18	57.25	49.85
		HSV	53.50	60.95	68.77	58.91	68.01	55.00	63.58	81.08	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
	11,4,4	RGB	28.10	52.89	47.37	59.09	25.77	26.30	36.37	83.56	27.93	0.00	0.00
		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	69.54	65.39	66.52	53.95	52.50	62.16	87.49	55.58	38.23	37.38
	11,4,5	RGB	12.25	51.14	34.58	65.41	18.29	26.35	49.12	77.27	22.24	4.00	0.00
		Lab	71.15	90.26	78.52	82.35	64.97	71.71	82.97	93.02	75.11	64.82	54.11
		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
	11,4,6	RGB	0.00	44.16	21.01	65.25	8.72	23.70	60.02	64.48	14.51	16.12	0.00
		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	85.81	79.86	70.06	60.96	68.90
		Average	34.25	68.33	51.68	68.42	48.00	54.81	77.30	77.92	52.91	48.30	41.44
	11,4,7	RGB	0.00	33.79	7.06	58.54	0.00	18.55	67.16	50.32	5.43	26.53	0.00
		Lab	61.60	85.80	70.80	81.36	62.46	71.02	87.88	85.17	72.24	70.22	56.02
		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
	11,5,0	RGB	92.32	14.46	61.92	6.89	22.42	1.44	0.00	33.82	22.56	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
		HSV	54.88	44.82	67.78	42.56	54.25	37.83	38.98	64.42	42.62	25.54	36.29
		Average	81.78	43.69	70.54	38.40	45.35	32.90	32.71	58.17	43.68	23.05	25.66
	11,5,1	RGB	77.15	27.54	65.99	19.73	26.46	9.07	0.00	48.69	27.94	0.00	0.00
		Lab	92.65	77.12	82.68	68.58	59.72	61.45	63.17	81.61	68.10	46.72	42.15
		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
	11,5,2	RGB	62.07	39.11	64.15	31.68	27.53	15.19	5.43	63.33	30.99	0.00	0.00
		Lab	86.93	82.60	83.19	72.25	60.93	64.34	68.15	87.41	70.81	50.95	44.78
		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
	11,5,3	RGB	47.06	48.29	57.24	42.24	25.55	19.42	18.13	77.38	31.34	0.00	0.00
		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	65.92	75.50	52.12	72.31	59.09	61.78	86.71	63.42	42.72	57.62
		Average	58.74	67.08	71.68	56.48	53.18	48.32	50.76	85.46	55.75	32.44	34.86
	11,5,4	RGB	32.14	53.68	47.25	50.57	20.78	21.55	30.19	88.79	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
		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
	11,5,5	RGB	17.27	53.99	35.70	55.50	13.73	21.42	41.19	86.60	24.43	0.00	0.00
		Lab	72.26	92.97	77.15	78.15	61.19	68.48	79.43	96.72	73.16	60.75	49.96
		HSV	37.30	76.81	69.35	52.54	77.33	70.95	75.83	90.96	74.17	50.96	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
	11,5,6	RGB	2.46	48.85	23.26	55.54	4.54	19.16	50.57	74.33	18.18	3.68	0.00
		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	75.12	81.68	85.04	77.17	53.57	74.10	74.10
		Average	33.84	73.50	53.67	61.52	46.89	54.28	71.43	83.96	55.92	40.15	41.66
	11,5,7	RGB	0.00	40.31	10.37	51.46	0.00	14.82	57.23	60.32	10.09	12.27	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
		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
	11,6,0	RGB	92.69	14.17	61.11	6.09	21.50	0.67	0.00	33.45	22.22	0.00	0.00
		Lab	98.16	71.78	81.61	65.52	59.11	59.13	58.92	76.19	65.60	43.38	40.41
		HSV	47.14	47.01	71.90	36.52	55.69	39.67	36.88	65.20	44.83	20.62	37.64
		Average	79.33	44.32	71.54	36.04	45.44	33.16	31.94	58.28	44.22	21.33	26.02
	11,6,1	RGB	78.29	26.66	63.83	17.17	23.82	6.87	0.00	47.63	27.20	0.00	0.00
		Lab	92.52	76.99	81.57	67.53	58.51	60.42	62.36	81.33	67.24	45.73	40.98
		HSV	45.96	54.68	77.26	40.27	62.66	47.25	44.29	73.14	52.39	26.37	45.15
		Average	72.26	52.78	74.22	41.66	48.33	38.18	35.55	67.37	48.94	24.03	28.71
	11,6,2	RGB	63.82	37.86	61.62	27.31	23.44	11.83	2.06	61.87	30.34	0.00	0.00
		Lab	87.16	82.23	81.90	70.64	59.30	62.94	66.86	86.86	69.71	49.43	43.16
		HSV	43.67	62.24	80.74	43.15	69.14	54.70	51.53	81.08	59.82	31.68	52.52
		Average	64.88	60.77	74.75	47.03	50.63	43.16	40.15	76.60	53.29	27.04	31.89
	11,6,3	RGB	49.58	47.07	55.01	35.73	20.51	14.80	13.08	75.63	30.80	0.00	0.00
		Lab	82.09	86.85	80.54	72.64	59.20	64.44	70.53	91.84	71.01	52.37	44.56
		HSV	40.40	69.59	81.26	45.02	74.77	61.94	58.51	88.99	66.99	36.44	59.67
		Average	57.36	67.84	72.27	51.13	51.50	47.06	47.37	85.49	56.27	29.61	34.75
	11,6,4	RGB	35.27	52.90	45.81	42.07	15.23	16.20	23.55	88.79	29.20	0.00	0.00
		Lab	77.31	91.01	78.51	74.38	59.14	65.58	73.98	96.43	71.61	55.37	46.03
		HSV	36.30	76.56	7								

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
		HSV	20.43	86.50	60.81	41.27	74.77	82.81	78.24	79.09	84.11	47.16	80.54
		Average	28.08	73.73	47.11	52.22	43.36	52.22	67.72	78.45	55.24	36.00	42.60
	11,7,0	RGB	92.96	13.82	60.32	5.28	20.58	0.00	0.00	33.08	21.94	0.00	0.00
		Lab	98.40	71.46	81.24	65.07	58.72	58.73	58.49	75.84	65.25	42.93	39.99
		HSV	39.35	48.06	74.17	30.10	55.74	40.49	33.89	64.19	45.95	15.23	37.99
		Average	76.90	44.45	71.91	33.48	45.01	33.07	30.79	57.71	44.38	19.38	25.99
		RGB	78.94	25.69	61.78	14.75	21.15	4.89	0.00	46.64	26.66	0.00	0.00
	11,7,1	Lab	92.30	76.54	80.43	66.25	57.13	59.33	61.36	80.82	66.40	44.51	39.67
		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
		Lab	86.90	81.88	80.31	68.90	57.44	61.40	65.53	86.27	68.47	47.84	41.38
	11,7,2	HSV	36.30	63.73	84.23	36.06	69.21	55.80	47.69	79.28	61.37	25.49	52.98
		Average	62.73	60.63	74.42	42.62	48.64	41.85	37.74	75.15	53.07	24.44	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
		Lab	81.96	86.45	79.10	70.82	57.36	62.86	69.07	91.02	69.74	50.70	42.75
		HSV	33.39	71.47	84.87	37.71	74.85	63.26	54.08	86.13	68.90	29.83	60.21
	11,7,3	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
		Lab	77.34	90.42	76.95	71.96	56.85	63.53	71.91	94.75	70.02	53.10	43.67
		HSV	29.70	79.05	81.68	38.38	78.96	70.47	59.91	90.96	76.16	33.50	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
	11,7,4	RGB	23.77	52.22	32.68	34.80	1.37	8.69	23.48	87.10	24.76	0.00	0.00
		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	40.64	77.20	61.05	48.43	45.95	49.89	54.23	91.02	59.11	30.52	39.25
		RGB	10.20	49.81	21.69	33.81	0.00	5.74	29.01	79.64	19.50	0.00	0.00
	11,7,5	Lab	68.35	93.55	71.27	72.32	54.79	63.50	76.05	93.02	68.83	56.97	44.72
		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
		Lab	64.08	91.17	67.90	71.14	52.93	62.47	76.67	89.12	67.23	57.88	44.38
	11,7,6	HSV	15.05	91.53	62.40	34.38	74.85	85.98	70.66	77.46	88.59	39.37	81.69
		Average	26.38	75.50	46.85	45.27	42.59	49.96	59.96	78.23	56.25	32.42	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
		Lab	97.46	72.00	83.14	66.92	60.77	60.58	60.05	76.57	66.82	44.75	42.04
		HSV	90.67	21.43	35.97	61.00	30.99	17.46	34.54	41.35	20.13	40.04	18.12
	12,0,0	Average	92.52	36.44	61.54	46.21	39.58	27.61	31.53	51.06	36.85	28.26	20.05
		RGB	68.29	30.23	74.12	31.80	39.42	18.99	1.55	51.38	29.51	0.00	0.00
		Lab	89.12	76.77	88.91	75.30	67.69	67.63	67.92	81.60	72.62	53.13	49.70
		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
	12,0,1	RGB	47.16	39.65	68.33	52.87	46.13	30.32	20.82	62.00	30.00	0.00	0.00
		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	30.78	39.32	73.10	38.75	27.71	48.52	49.14	29.65	55.72	28.79
		Average	68.92	49.94	65.85	69.72	52.69	43.86	48.18	65.03	45.43	38.92	28.45
		RGB	26.02	41.68	53.22	73.84	44.95	37.22	39.07	62.19	24.97	0.75	8.08
	12,0,2	Lab	73.94	79.29	86.08	90.33	76.96	77.78	81.38	82.86	78.31	68.28	62.43
		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	35.62	35.00	93.61	36.33	38.17	55.02	51.83	15.39	21.84	19.65
		Lab	66.91	76.92	80.43	96.75	78.77	80.16	86.34	79.30	77.71	75.28	67.59
	12,0,3	HSV	63.25	37.43	38.61	79.23	43.02	35.63	61.01	52.68	36.55	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
		Lab	60.12	72.90	74.40	95.14	78.54	80.42	88.77	74.37	75.31	82.04	71.97
		HSV	55.48	39.45	36.74	78.21	43.58	38.42	66.16	52.51	38.74	78.64	40.28
	12,0,4	Average	38.53	45.24	42.26	85.44	48.28	50.60	73.42	54.24	38.88	67.86	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
		Lab	53.54	68.23	68.20	88.83	76.23	78.35	87.57	69.00	71.48	88.51	74.95
		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
	12,0,5	RGB	0.00	0.00	0.00	41.10	0.00	9.29	53.48	0.00	0.00	84.44	27.48
		Lab	47.43	63.25	62.37	82.80	72.91	75.14	83.90	63.59	67.23	94.37	76.58
		HSV	39.79	40.44	30.38	69.33	41.38	41.11	72.17	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	27.17	43.26	59.75	36.75	22.83	37.44	47.54	25.85	38.99	23.17
		Average	91.01	38.26	63.71	45.51	41.10	29.16	32.43	53.07	38.69	27.84	21.64
		RGB	69.97	29.80	73.51	29.90	36.76	17.89	0.46	51.68	30.24	0.00	0.00
		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	39.75	69.32	49.55	42.24	29.01	19.31	64.23	32.08	0.00	0.00
		Lab	82.57	80.82	89.43	81.35	70.71	72.25	74.53	85.73	76.28	59.38	54.41
		HSV	75.66	37.37	47.07	71.32	45.32	33.90	52.27	56.42	36.21	54.32	34.66
	12,1,2	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
		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	58.16	55.49	63.28	77.23	54.40	50.52	59.31	70.95	49.26	42.63	34.21
	12,1,3	RGB	9.90	39.10	39.16	85.49	33.49	38.83	54.77	59.85	21.07	15.97	13.93
		Lab	69.37	80.34	81.96	92.89	75.55	79.02	86.37	83.16	78.58	72.28	64.12
		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
	12,1,4	Lab	62.98	77.23	76.47	94.23	75.46	79.88	90.77	78.91	76.95	78.35	67.86



Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
	12,2,0	RGB	90.49	15.36	64.53	9.46	25.17	3.92	0.00	35.05	23.73	0.00	0.00
		Lab	97.86	71.84	82.65	66.47	60.30	60.09	59.63	76.34	66.38	44.30	41.54
		HSV	78.41	32.45	50.34	57.05	41.99	27.71	39.43	53.18	31.12	36.96	27.69
		Average	88.92	39.88	65.84	44.32	42.49	30.57	33.02	54.86	40.41	27.09	23.08
	12,2,1	RGB	71.48	29.25	72.64	27.94	34.09	16.71	0.00	51.84	30.88	0.00	0.00
		Lab	90.90	77.45	86.98	72.82	64.41	65.66	66.55	82.45	71.55	50.78	46.84
		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
	12,2,2	RGB	52.47	39.51	69.66	46.05	38.25	27.44	17.57	65.99	33.92	0.00	0.00
		Lab	83.77	81.74	88.66	79.45	68.45	70.90	73.58	86.98	75.72	57.66	52.39
		HSV	70.93	43.60	54.75	67.63	51.48	39.68	54.90	63.41	42.43	51.63	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
	12,2,3	RGB	33.45	44.09	57.87	63.25	36.71	35.06	35.59	73.00	32.29	0.00	0.00
		Lab	77.53	83.67	86.80	84.80	70.93	74.80	79.68	88.52	78.21	63.55	56.85
		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
	12,2,4	RGB	14.44	41.64	42.47	77.35	29.82	38.41	53.09	67.81	26.30	9.75	7.84
		Lab	71.25	83.52	82.56	89.05	72.07	77.40	85.63	86.98	78.88	69.27	60.68
		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
	12,2,5	RGB	0.00	32.92	25.66	80.03	18.95	36.82	69.18	54.40	16.88	27.33	14.68
		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	51.62	80.81	49.54	56.15	79.00	68.69	49.63	57.59	44.22
	12,2,6	RGB	0.00	19.96	8.21	68.27	5.46	30.62	80.09	37.89	5.06	43.98	18.18
		Lab	59.67	77.70	72.74	89.14	70.77	78.20	94.43	78.76	75.70	79.10	66.08
		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
	12,2,7	RGB	0.00	4.47	0.00	51.66	0.00	20.88	76.77	20.18	0.00	58.54	17.93
		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	30.29	44.63	37.01	67.22	41.21	51.39	85.92	52.12	42.82	73.37	48.06
	12,3,0	RGB	90.94	15.08	64.02	8.83	24.26	3.47	0.00	34.93	23.78	0.00	0.00
		Lab	97.92	71.83	82.54	66.23	59.93	60.01	59.55	76.41	66.42	44.07	41.29
		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
	12,3,1	RGB	72.81	28.61	71.54	25.94	31.42	15.47	0.00	51.84	31.42	0.00	0.00
		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	60.43	58.35	52.17	38.64	48.33	64.39	42.22	41.07	38.36
		Average	77.64	49.94	72.64	52.01	48.86	39.62	38.09	66.32	48.21	30.29	27.99
	12,3,2	RGB	54.68	38.94	69.32	42.41	34.20	25.62	15.63	67.22	35.49	0.00	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
		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
	12,3,3	RGB	36.55	44.24	58.91	57.53	32.07	33.10	33.01	77.66	35.33	0.00	0.00
		Lab	78.59	85.22	86.11	82.23	68.20	73.16	78.50	90.85	77.65	61.38	54.35
		HSV	59.96	54.58	62.59	65.51	60.90	50.71	64.12	74.16	53.51	54.27	50.84
		Average	58.36	61.35	69.20	68.42	53.72	52.32	58.54	80.89	55.49	38.55	35.06
	12,3,4	RGB	18.42	43.11	44.76	69.20	25.43	36.93	50.11	75.64	30.95	3.23	1.46
		Lab	72.82	86.10	82.56	85.42	68.80	75.46	83.96	90.54	78.59	66.17	57.38
		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
	12,3,5	RGB	0.29	35.88	29.07	72.61	15.36	36.46	66.51	63.16	23.09	18.83	7.33
		Lab	67.09	84.50	78.21	86.86	68.48	76.75	89.18	87.20	78.22	70.66	59.96
		HSV	47.65	62.06	58.30	66.09	64.27	59.99	79.73	76.07	61.39	65.15	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
	12,3,6	RGB	0.00	24.27	12.67	65.23	2.90	31.78	80.36	47.17	12.66	33.14	10.41
		Lab	61.64	81.41	73.56	86.11	67.33	76.66	93.29	82.76	76.44	74.54	61.81
		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
	12,3,7	RGB	0.00	9.97	0.00	51.78	0.00	23.65	83.22	30.04	0.49	45.13	10.41
		Lab	56.40	77.60	68.83	83.57	65.37	75.37	94.32	78.09	73.75	77.59	62.86
		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
	12,4,0	RGB	91.30	14.80	63.48	8.20	23.36	3.02	0.00	34.79	23.82	0.00	0.00
		Lab	98.05	71.82	82.23	65.99	59.66	59.71	59.34	76.34	66.15	43.84	40.99
		HSV	63.25	41.20	63.44	48.29	50.27	35.63	40.35	61.93	39.88	30.29	34.75
		Average	84.20	42.61	69.72	40.83	44.43	32.79	33.23	57.69	43.28	24.71	25.25
	12,4,1	RGB	73.91	27.88	70.23	23.89	28.75	14.15	0.00	51.68	31.85	0.00	0.00
		Lab	91.63	77.67	85.04	70.72	61.78	63.90	65.24	82.69	70.41	48.82	44.51
		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
	12,4,2	RGB	56.52	38.04	68.33	38.65	30.09	23.58	13.50	67.85	36.77	0.00	0.00
		Lab	85.25	82.71	86.37	75.72	64.18	68.20	71.44	88.50	74.31	54.32	48.58
		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
	12,4,3	RGB	39.13	43.68	58.98	51.65	27.17	30.61	29.95	81.29	37.86	0.00	0.00
		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	57.51	63.46	71.31	63.47	52.92	52.59	57.00	85.06	57.96	36.06	35.72
	12,4,4	RGB	21.74	43.44	45.91	61.05	20.45	34.46	46.06	83.16	34.91	0.00	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
		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
	12,4,5	RGB	4.35	37.37	31.20	63.93	10.79	34.57	61.38	71.12	28.43	10.03	0.00
		Lab	68.17	87.09	77.75	83.16	65.11	74.46	86.62	90.45	77.57	67.16	56.37
		HSV	43.03	69.18									

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
	12,5,1	HSV	55.48	44.38	68.99	42.74	52.92	38.42	39.24	64.39	43.08	25.90	37.06
		Average	81.65	43.61	71.31	38.68	44.86	33.50	32.83	58.51	44.34	23.17	25.91
		RGB	74.78	27.05	68.74	21.80	26.07	12.77	0.00	51.38	32.17	0.00	0.00
		Lab	91.50	77.77	84.22	69.85	60.63	63.25	64.78	82.84	70.04	48.04	43.56
		HSV	54.08	51.63	73.75	46.93	59.41	45.82	46.98	72.10	50.38	32.10	44.50
		Average	73.45	52.15	75.57	46.19	48.70	40.61	37.25	68.77	50.87	26.71	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
		Lab	85.33	82.92	85.10	74.12	62.32	67.05	70.54	88.88	73.66	52.93	46.98
		HSV	51.41	58.63	76.70	50.19	65.28	53.04	54.64	79.63	57.45	37.90	51.77
		Average	64.90	59.46	76.19	53.04	51.18	47.14	45.46	78.79	56.29	30.28	32.92
	12,5,3	RGB	41.15	42.42	58.08	45.67	22.07	27.66	26.47	83.23	39.83	0.00	0.00
		Lab	79.50	86.96	83.64	77.47	63.20	69.85	75.79	94.05	75.93	57.35	49.81
		HSV	47.65	65.21	77.13	52.34	70.18	59.99	62.19	86.66	64.15	43.18	58.79
		Average	56.10	64.86	72.95	58.49	51.82	52.50	54.82	87.98	59.97	33.51	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	43.03	71.10	74.91	53.22	73.54	66.49	69.53	91.79	70.23	47.78	65.40
		Average	47.12	67.56	67.18	61.94	50.63	56.46	63.73	92.45	61.76	36.35	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
		Lab	68.58	88.42	76.93	80.28	62.44	72.56	84.40	92.41	76.74	64.48	53.65
	12,5,5	HSV	37.73	75.78	70.63	52.76	74.77	72.22	76.48	90.88	75.22	51.51	71.33
		Average	37.94	67.17	59.83	62.59	47.53	58.69	71.83	86.91	61.56	39.00	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
		Lab	63.51	85.78	72.92	79.64	61.07	72.50	87.17	87.73	75.53	67.09	54.71
		HSV	31.91	78.46	65.04	50.99	73.54	76.62	82.55	84.99	78.37	54.14	76.06
	12,5,6	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
		Lab	58.37	82.13	68.45	77.70	58.97	71.29	88.11	82.80	73.17	68.98	55.05
		HSV	25.70	78.37	58.68	48.06	70.18	78.84	86.51	77.78	78.83	55.50	78.77
		Average	28.02	58.61	43.05	55.71	43.05	57.36	81.57	68.51	55.54	47.39	44.61
	12,5,7	RGB	91.79	14.20	62.38	6.92	21.55	2.09	0.00	34.47	23.88	0.00	0.00
		Lab	97.88	71.95	81.99	65.74	59.22	59.53	59.26	76.49	66.09	43.60	40.66
		HSV	47.65	46.55	73.31	36.68	54.33	40.28	37.13	65.18	45.31	20.95	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
	12,6,0	Lab	91.21	77.80	83.35	68.96	59.47	62.57	64.28	82.90	69.63	47.24	42.60
		HSV	46.46	54.15	79.02	40.44	61.05	47.94	44.57	73.11	52.96	26.73	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
		Lab	85.28	83.02	83.93	72.85	60.88	65.99	69.72	88.95	72.91	51.82	45.67
	12,6,1	HSV	44.15	61.60	82.85	43.33	67.21	55.50	51.85	81.04	60.48	32.07	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
		Lab	79.59	87.11	82.56	75.79	61.49	68.59	74.65	94.41	75.11	55.89	48.21
		HSV	40.85	68.80	83.44	45.21	72.45	62.91	58.89	88.92	67.81	36.86	60.90
	12,6,2	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
		Lab	74.23	89.29	79.92	77.67	61.44	70.36	78.99	97.23	76.20	59.45	50.26
		HSV	36.72	75.54	80.48	45.97	76.13	70.03	65.52	96.51	74.75	40.97	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
	12,6,3	RGB	9.76	35.56	31.14	44.82	0.00	26.54	46.46	80.46	35.84	0.00	0.00
		Lab	68.66	89.01	76.02	78.03	60.33	70.95	82.55	93.36	75.85	62.40	51.54
		HSV	31.91	81.30	75.22	45.57	77.49	76.62	71.47	94.71	80.89	44.24	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	0.00	26.55	16.95	40.62	0.00	23.39	54.68	64.61	28.47	0.00	0.00
	12,6,4	Lab	63.75	86.65	72.15	77.37	58.90	70.69	84.82	88.65	74.55	64.66	52.31
		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	0.00	14.76	2.28	32.58	0.00	17.66	58.10	48.29	18.99	4.15	0.00
		Lab	58.59	82.76	67.90	75.64	56.92	69.79	85.80	83.52	72.55	66.44	52.72
	12,6,5	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	91.89	13.89	61.80	6.28	20.64	1.62	0.00	34.30	23.89	0.00	0.00
		Lab	97.90	71.93	81.68	65.50	58.94	59.23	59.05	76.42	65.81	43.37	40.36
		HSV	39.79	47.60	75.71	30.25	54.37	41.11	34.12	64.17	46.44	15.54	38.78
	12,6,6	Average	76.53	44.47	73.06	34.01	44.65	33.99	31.06	58.30	45.38	19.64	26.38
		RGB	75.67	25.11	65.31	17.51	20.71	9.83	0.00	50.33	32.50	0.00	0.00
		Lab	91.25	77.64	82.54	68.19	58.65	61.79	63.63	82.61	68.95	46.51	41.77
		HSV	38.75	55.37	82.18	33.64	61.10	48.90	41.19	71.82	54.28	20.93	46.45
		Average	68.56	52.71	76.67	39.78	46.82	40.17	34.94	68.25	51.91	22.48	29.41
	12,6,7	RGB	59.45	33.54	62.14	26.85	17.50	16.28	6.06	65.99	38.75	0.00	0.00
		Lab	85.10	82.96	83.36	72.16	60.07	65.53	69.33	88.94	72.65	51.23	45.02
		HSV	36.72	63.06	86.90	36.22	67.27	56.63	47.99	79.25	62.06	25.85	54.03
		Average	60.42	59.85	77.47	45.08	48.28	46.15	41.13	78.06	57.82	25.69	33.02
		RGB	43.23	38.00	53.66	33.50	11.38	20.54	18.48	80.39	41.87	0.00	0.00
	12,6,8	Lab	79.56	87.12	81.82	74.77	60.44	67.78	73.93	94.40	74.54	54.99	47.23
		HSV	33.80	70.63	87.68	37.88	72.52	64.26	54.42	86.08	69.77	30.21	61.46
		Average	52.20	65.25	74.39	48.72	48.11	50.86	48.94	86.96	62.06	28.40	36.23
		RGB	27.04	37.47	41.98	36.15	2.55	21.97	29.16	87.38	41.39	0.00	0.00
		Lab	74.13	89.33	79.22	76.46	60.26	69.51	78.15	97.51	75.67	58.43	49.17
	12,6,9	HSV	30.08	77.91	83.92	38.55	76.21	71.73	60.30	90.88	77.30	33.90	68.63
		Average	43.75	68.24	68.37	50.39	46.34	54.41	55.87	91.92	64.79	30.78	39.27
		RGB	10.82	32.41	28.94	35.20	0.00	20.97	38.03	78.48	37.34	0.00	0.00
		Lab	68.70	89.20	75.55	76.99	59.36	70.14	81.62	93.64	75.34	61.41	50.52
		HSV	25.70	84.54	77.83	38.20	77.58	78.84	65.35	90.05	84.42	36.80	75.33
	12,7,0	Average	35.07	68.72	60.78	50.13	45.65	56.65	61.67	87.39	65.70	32.74	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
		Lab	63.69	86.73	71.67</								

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
	13,0,1	RGB	68.52	29.86	74.38	31.61	39.48	19.05	1.36	51.08	29.59	0.00	0.00
		Lab	89.13	76.68	88.83	75.30	67.79	67.56	67.84	81.45	72.48	53.13	49.72
		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
	13,0,2	RGB	47.59	38.96	69.02	52.50	46.41	30.57	20.48	61.47	30.28	0.00	0.00
		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	69.35	49.48	66.31	70.34	53.11	44.11	48.10	64.74	45.65	39.06	28.67
	13,0,3	RGB	26.66	40.86	54.17	73.34	45.60	37.80	38.60	61.73	25.50	0.24	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
		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
	13,0,4	RGB	5.72	34.93	36.14	93.38	37.34	39.19	54.51	51.68	16.17	21.19	20.35
		Lab	66.93	76.31	80.73	97.08	79.39	80.63	86.06	78.83	78.00	75.30	68.09
		HSV	63.74	36.90	39.10	82.18	43.94	36.06	61.18	52.48	36.84	71.79	37.86
		Average	45.46	49.38	51.99	90.88	53.55	51.96	67.25	61.00	43.67	56.09	42.10
13,0,5	RGB	0.00	23.03	16.70	83.81	23.74	34.06	65.09	35.97	3.40	42.29	28.42	
	Lab	60.13	72.53	74.54	95.33	79.00	80.71	88.48	74.08	75.43	82.07	72.38	
	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	
13,0,6	RGB	0.00	7.24	0.00	63.10	7.51	24.17	64.86	17.77	0.00	63.16	31.73	
	Lab	53.79	67.96	68.61	89.17	76.89	78.89	87.38	68.89	71.86	88.36	75.52	
	HSV	47.99	39.91	34.41	76.96	43.94	40.74	70.28	50.84	40.24	86.88	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	
13,0,7	RGB	0.00	0.00	0.00	42.19	0.00	10.91	54.09	0.00	0.00	83.73	29.38	
	Lab	47.44	62.98	62.48	82.86	73.28	75.37	83.71	63.40	67.34	94.51	77.07	
	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	
	13,1,0	RGB	90.23	15.25	65.10	9.88	26.05	4.37	0.00	34.86	23.69	0.00	0.00
		Lab	97.68	71.84	82.95	66.70	60.57	60.38	59.84	76.41	66.65	44.53	41.83
		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
	13,1,1	RGB	70.89	28.31	74.49	29.14	36.95	18.13	0.00	50.46	30.58	0.00	0.00
		Lab	90.19	76.69	88.31	74.12	66.39	66.81	67.13	81.63	72.18	51.99	48.51
		HSV	82.56	32.05	46.26	67.69	42.31	28.98	45.05	52.23	31.56	47.03	29.69
		Average	81.21	45.68	69.69	56.99	48.55	37.97	37.39	61.44	44.77	33.01	26.07
	13,1,2	RGB	51.31	37.67	71.43	48.50	43.00	29.74	18.29	62.51	32.92	0.00	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
		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
	13,1,3	RGB	31.70	40.97	58.62	67.55	42.61	37.97	36.38	66.26	30.28	0.00	4.16
		Lab	76.08	80.57	87.65	87.79	74.72	77.04	80.44	84.89	78.99	65.93	60.21
		HSV	69.41	40.94	47.82	77.66	49.30	39.09	59.53	58.99	40.77	62.27	40.33
		Average	59.06	54.16	64.70	77.67	55.54	51.37	58.79	70.05	50.01	42.73	34.90
13,1,4	RGB	12.29	37.01	42.49	84.89	36.10	41.62	53.31	59.25	23.35	14.26	15.67	
	Lab	69.72	79.16	82.95	93.40	76.69	79.96	85.83	82.33	79.33	72.20	64.94	
	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	
13,1,5	RGB	0.00	27.37	24.72	87.04	24.69	39.40	67.73	45.63	12.82	33.55	24.23	
	Lab	63.34	76.14	77.42	95.45	76.84	81.20	90.21	78.26	77.92	78.37	69.01	
	HSV	54.47	46.48	44.67	78.56	51.86	46.33	72.42	60.16	46.74	76.61	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	
13,1,6	RGB	0.00	13.67	6.64	70.45	10.58	32.32	74.37	29.07	0.13	52.34	29.15	
	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	34.74	44.48	40.06	79.00	45.83	53.79	81.03	53.66	41.16	73.03	50.67	
	13,1,7	RGB	0.00	0.00	0.00	51.39	0.00	21.19	68.05	11.12	0.00	70.24	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
		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
	13,2,0	RGB	90.99	14.61	64.65	9.07	25.12	3.94	0.00	34.45	23.78	0.00	0.00
		Lab	97.90	71.69	82.77	66.47	60.38	60.18	59.62	76.24	66.48	44.30	41.62
		HSV	79.25	31.96	50.94	58.39	42.89	28.09	39.54	52.98	31.38	37.24	28.25
		Average	89.38	39.42	66.12	44.64	42.80	30.74	33.05	54.56	40.55	27.18	23.29
	13,2,1	RGB	72.93	27.05	74.05	26.83	34.35	17.06	0.00	49.99	31.37	0.00	0.00
		Lab	91.08	76.69	87.66	72.90	64.88	66.06	66.44	81.83	71.92	50.81	47.25
		HSV	76.40	37.75	53.80	64.38	48.11	34.32	47.33	58.51	37.31	44.70	34.67
		Average	80.13	47.16	71.84	54.70	49.11	39.15	37.92	63.44	46.87	31.84	27.31
	13,2,2	RGB	54.82	36.05	73.22	44.38	39.40	28.59	15.89	62.96	35.33	0.00	0.00
		Lab	84.24	80.31	89.97	79.47	69.21	71.46	73.17	85.70	76.25	57.53	52.93
		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
13,2,3	RGB	36.68	40.04	62.78	61.35	39.21	37.62	33.41	69.76	34.94	0.00	0.00	
	Lab	78.02	81.81	88.55	85.07	72.11	75.89	79.28	86.98	79.28	63.49	57.76	
	HSV	65.52	47.60	55.64	73.09	56.01	45.42	62.68	66.52	47.52	59.06	46.28	
	Average	60.07	56.48	68.99	73.17	55.78	52.98	58.46	74.42	53.91	40.85	34.68	
13,2,4	RGB	18.49	37.98	48.21	76.38	33.77	42.89	50.66	66.35	30.24	7.06	10.43	
	Lab	72.05	81.48	84.57	89.82	73.79	79.03	84.99	85.59	80.39	69.16	61.93	
	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	
13,2,5	RGB	0.26	30.39	32.09	82.92	24.17	43.31	67.12	54.94	21.98	24.38	18.91	
	Lab	66.32	79.30	79.90	92.55	74.26	80.94	90.19	82.26	79.97	74.49	65.58	
	HSV	51.77	53.94	51.96	73.83	58.99	53.63	77.28	67.96	54.36	71.72	55.17	
	Average	39.45	54.54	54.65	83.10	52.47	59.29	78.20	68.39	52.11	56.87	46.56	
	13,2,6	RGB	0.00	18.76	15.26	73.55	11.75	38.74	80.52	39.89	11.12	41.07	24.39
		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	35.03	49.98	46.15	7							

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
	13,3,2	HSV	69.41	42.91	61.19	59.74	53.27	39.09	48.46	64.13	42.53	41.37	39.02
		Average	78.74	48.32	73.77	51.98	49.56	40.04	37.99	65.00	48.62	30.34	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
		Lab	85.47	80.34	89.50	77.68	67.39	70.38	72.04	86.07	75.86	55.85	51.25
		HSV	65.52	48.70	63.12	64.15	58.27	45.42	56.39	69.61	48.51	48.20	45.55
	13,3,3	Average	69.69	54.39	75.62	60.67	53.77	47.65	47.24	72.83	53.94	34.68	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
		Lab	79.79	82.58	88.77	82.36	69.59	74.42	77.72	88.54	79.04	61.02	55.30
		HSV	60.41	53.85	63.39	67.20	62.24	51.26	64.30	73.79	53.89	54.66	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
	13,3,4	RGB	24.23	37.77	53.07	67.86	30.46	42.90	46.78	72.64	36.73	0.00	4.73
		Lab	73.96	83.04	85.56	86.59	71.11	77.82	83.53	88.25	80.93	66.30	59.21
		HSV	54.47	58.11	61.96	68.49	64.84	56.44	72.20	75.99	58.44	60.58	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	7.32	31.90	38.54	74.82	22.24	45.48	63.43	63.63	30.79	14.94	12.67
	13,3,5	Lab	68.63	81.77	81.44	89.16	71.57	79.89	88.81	85.68	81.10	71.01	62.38
		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	58.29	59.66	77.26	53.19	62.02	77.43	74.99	57.92	50.54	45.61
		RGB	0.00	22.13	23.16	71.36	11.42	43.53	79.86	50.07	21.99	29.35	18.26
		Lab	63.46	79.14	77.06	89.25	70.97	80.87	93.91	82.00	80.16	75.18	64.94
	13,3,6	HSV	41.15	62.80	54.84	65.27	64.84	63.66	87.80	72.90	63.82	69.50	65.19
		Average	34.87	54.69	51.69	75.30	49.08	62.69	87.19	68.32	55.33	58.01	49.46
		RGB	0.00	9.73	7.06	59.87	0.00	37.11	93.27	34.61	10.90	42.34	20.72
		Lab	58.34	75.84	72.36	87.21	69.55	80.27	98.12	77.78	77.78	78.99	66.83
		HSV	34.06	62.75	49.75	61.24	62.24	65.04	94.85	68.33	64.10	71.58	66.99
	13,3,7	Average	30.80	49.44	43.06	69.44	43.93	60.81	95.41	60.24	50.93	64.30	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
		Lab	98.12	71.68	82.35	66.00	59.74	59.81	59.33	76.24	66.25	43.84	41.08
		HSV	63.74	40.64	64.26	49.40	51.33	36.06	40.46	61.68	40.17	30.55	35.37
		Average	84.73	41.88	70.11	40.94	44.78	32.97	33.26	57.17	43.45	24.80	25.48
	13,4,0	RGB	76.73	23.90	72.49	21.93	29.12	14.73	0.00	48.28	32.72	0.00	0.00
		Lab	92.50	76.18	85.91	70.44	62.17	64.27	64.72	81.47	70.85	48.45	44.80
		HSV	62.03	47.37	68.30	54.19	57.57	43.15	48.39	68.71	47.07	37.21	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	61.04	31.92	74.38	35.87	31.78	25.45	10.52	62.05	39.31	0.00	0.00
	13,4,1	Lab	86.43	80.23	88.67	75.81	65.41	69.25	70.88	86.29	75.42	54.11	49.50
		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	45.26	36.36	68.00	48.73	30.80	34.69	26.19	73.23	42.85	0.00	0.00
		Lab	80.90	83.03	88.27	80.04	67.29	73.06	76.37	89.66	78.65	58.95	53.18
	13,4,2	HSV	54.47	59.50	71.04	60.59	67.71	56.44	64.19	80.54	59.69	49.40	56.24
		Average	60.21	59.63	75.77	63.12	55.27	54.73	55.59	81.14	60.40	36.11	36.47
		RGB	29.62	36.16	57.11	59.24	26.46	41.88	41.75	77.16	42.93	0.00	0.00
		Lab	75.70	83.85	86.12	83.52	68.60	76.40	81.57	90.25	81.04	63.45	56.60
		HSV	49.22	64.43	69.25	61.65	70.79	62.32	72.06	83.62	64.99	54.62	62.41
	13,4,3	Average	51.51	61.48	70.83	68.14	55.28	60.20	65.13	83.68	62.99	39.36	39.67
		RGB	13.67	31.81	43.78	65.44	18.97	45.72	57.46	71.12	39.09	5.29	5.70
		Lab	70.46	83.22	82.45	85.82	68.95	78.74	86.74	88.41	81.95	67.71	59.51
		HSV	43.34	68.12	65.67	61.09	71.90	67.32	79.86	83.14	69.12	58.96	67.78
		Average	42.49	61.05	63.97	70.79	53.27	63.92	74.69	80.89	63.39	43.99	44.33
	13,4,4	RGB	0.00	23.71	29.47	64.64	9.18	45.59	73.02	59.01	32.09	17.59	10.68
		Lab	65.44	81.23	78.30	86.32	68.39	79.89	91.57	85.07	81.43	71.44	61.76
		HSV	37.00	70.10	60.79	58.97	70.79	70.96	87.48	79.35	71.59	62.11	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
	13,4,5	Lab	60.60	78.55	73.90	84.99	66.95	79.60	95.62	81.27	79.54	74.49	63.18
		HSV	30.34	70.04	55.02	55.50	67.71	72.72	94.13	73.64	71.94	63.76	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	92.68	13.03	63.15	6.79	22.36	2.60	0.00	33.44	23.95	0.00	0.00
		Lab	98.31	71.52	82.16	65.77	59.55	59.61	59.11	76.08	66.07	43.61	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	82.29	42.78	71.76	38.77	45.31	33.69	32.82	57.88	44.47	23.25	26.19
		RGB	78.19	22.39	71.23	19.52	26.47	13.43	0.00	47.37	33.18	0.00	0.00
		Lab	92.63	76.08	85.25	69.65	61.22	63.70	64.23	81.42	70.52	47.71	43.98
		HSV	54.47	50.95	74.91	48.02	60.71	46.33	47.10	71.76	50.74	32.36	45.22
	13,5,1	Average	75.09	49.80	77.13	45.73	49.47	41.15	37.11	66.85	51.48	26.69	29.74
		RGB	63.60	29.46	73.66	31.52	27.79	23.49	7.59	60.72	40.82	0.00	0.00
		Lab	87.06	79.98	87.69	74.18	63.72	68.18	69.80	86.23	74.88	52.61	47.97
		HSV	51.77	57.83	78.01	51.35	66.81	53.63	54.79	79.16	57.87	38.19	52.61
		Average	67.48	55.76	79.79	52.35	52.77	48.43	44.06	75.37	57.86	30.27	33.53
	13,5,2	RGB	48.89	33.44	68.93	42.24	26.11	32.37	21.91	72.44	46.10	0.00	0.00
		Lab	81.72	82.76	87.83	78.06	65.47	72.02	75.06	89.89	78.39	57.13	51.50
		HSV	47.99	64.27	78.46	53.55	71.97	60.68	62.37	85.96	64.65	43.50	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	34.08	33.70	59.35	50.73	21.56	39.45	36.11	79.26	48.20	0.00	0.00
	13,5,3	Lab	76.65	84.13	85.93	81.12	66.49	75.12	79.99	91.43	80.83	61.28	54.55
		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	19.16	30.12	47.43	55.59	14.54	43.98	50.02	76.26	46.65	0.00	0.00
		Lab	71.67	83.94	82.68	82.85	66.50	77.35	84.59	90.31	82.14	64.87	56.95
	13,5,4	HSV	38.02	74.44	71.66	53.98	76.91	73.23	76.77	89.88	75.95	51.87	72.76
		Average	42.95	62.83	67.26	64.14	52.65	64.85	70.46	85.48	68.25	38.92	43.24
		RGB	4.06	23.31	34.10	55.10	5.14	44.76	62.91	66.03	41.60	5.29	1.76
		Lab	66.99	82.44	79.01	83.35	65.92	78.58	88.66	87.40	82.10	68.00	58.85
		HSV	32.18	76.96	65.90	52.17	75.58	77.82	82.94	84.36	79.21	54.53	77.79
	13,5,5	Average	34.41	60.91	59.67	63.54	48.88	67.06	78.17	79.26	67.64	42.61	46.13
		RGB	0.00	13.74	20.43	50.03	0.00	42.44	73.77	52.63	33.88	13.77	3.97
		Lab	62.41	80.01	75.10	82.77							

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)	
	13,6,2	RGB	65.68	26.77	72.13	27.12	23.72	21.29	4.52	58.89	41.99	0.00	0.00	
		Lab	87.46	79.50	86.92	72.84	62.39	67.34	68.84	85.87	74.44	51.35	46.78	
		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	
	13,6,3	RGB	51.85	29.99	68.43	35.71	21.12	29.49	17.31	70.12	48.69	0.00	0.00	
		Lab	82.24	82.21	87.54	76.68	64.28	71.34	74.04	89.58	78.22	55.85	50.40	
		HSV	41.15	67.75	85.33	46.26	74.40	63.66	59.05	88.09	68.36	37.15	61.94	
		Average	58.41	59.98	80.44	52.88	53.27	54.83	50.13	82.60	65.09	31.00	37.45	
	13,6,4	RGB	37.68	30.26	59.87	42.21	16.08	35.99	29.90	77.99	52.52	0.00	0.00	
		Lab	77.35	83.89	85.61	79.06	64.73	74.02	78.48	91.80	80.57	59.38	52.83	
		HSV	37.00	74.21	82.06	47.04	78.41	70.96	65.71	94.40	75.46	41.27	69.22	
		Average	50.68	62.79	75.85	56.10	53.07	60.32	58.03	88.06	69.52	33.55	40.69	
13,6,5	RGB	23.47	27.05	48.77	45.13	8.65	39.96	41.46	77.60	52.95	0.00	0.00		
	Lab	72.62	83.78	82.92	80.74	64.88	76.38	82.71	91.02	82.27	62.72	55.20		
	HSV	32.18	79.60	76.45	46.63	79.93	77.82	71.71	93.13	81.85	44.56	76.08		
	Average	42.76	63.48	69.38	57.50	51.15	64.72	65.29	87.25	72.36	35.76	43.76		
	13,6,6	RGB	9.25	20.77	36.82	44.69	0.06	41.67	51.87	69.05	49.85	0.00	0.00	
		Lab	68.00	82.41	79.60	81.52	64.59	78.01	86.64	88.25	82.77	65.82	57.28	
		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	
	13,6,7	RGB	0.00	12.20	23.84	40.49	0.00	40.05	59.88	56.95	43.29	0.00	0.00	
		Lab	63.42	80.23	75.73	80.82	63.36	78.38	89.57	84.76	81.84	68.20	58.53	
		HSV	20.99	82.75	62.59	42.43	74.40	87.04	79.28	78.60	87.20	48.01	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	
		13,7,0	RGB	93.52	11.70	62.10	5.12	20.50	1.68	0.00	32.50	24.02	0.00	0.00
			Lab	98.42	71.18	81.66	65.07	58.79	59.11	58.59	75.78	65.75	42.93	40.19
			HSV	40.09	46.96	76.96	31.07	55.52	41.57	34.23	63.91	46.78	15.75	39.44
			Average	77.34	43.28	73.57	33.75	44.94	34.12	30.94	57.40	45.52	19.56	26.54
13,7,1		RGB	80.43	18.81	68.24	14.46	21.14	10.65	0.00	44.86	33.82	0.00	0.00	
		Lab	92.71	75.29	83.96	67.85	59.30	62.53	62.94	80.77	69.84	46.00	42.32	
		HSV	39.04	54.63	83.92	34.50	62.45	49.44	41.30	71.48	54.67	21.15	47.21	
		Average	70.73	49.57	78.70	38.94	47.63	40.87	34.75	65.70	52.78	22.38	29.84	
13,7,2		RGB	67.19	23.87	69.92	22.68	19.56	18.88	1.31	56.61	42.79	0.00	0.00	
		Lab	87.71	78.98	86.60	72.07	61.74	66.93	68.22	85.42	74.26	50.62	46.18	
		HSV	37.00	62.17	89.40	37.12	68.90	57.26	48.12	78.79	62.54	26.09	54.91	
		Average	63.97	55.01	81.97	43.96	50.07	47.69	39.22	73.61	59.86	25.57	33.70	
13,7,3	RGB	53.80	26.38	66.30	29.28	15.82	26.01	12.60	66.94	50.35	0.00	0.00		
	Lab	82.47	81.65	87.13	75.49	63.22	70.79	73.21	89.20	78.11	54.77	49.48		
	HSV	34.06	69.51	90.37	38.81	74.47	65.04	54.57	85.40	70.36	30.46	62.51		
	Average	56.78	59.18	81.27	47.86	51.17	53.95	46.80	80.51	66.27	28.41	37.33		
13,7,4	RGB	40.29	25.83	58.36	33.26	9.73	31.32	22.93	73.69	55.67	0.00	0.00		
	Lab	77.80	82.99	85.88	78.03	64.07	73.82	77.58	91.09	80.88	58.35	52.21		
	HSV	30.34	76.45	85.88	39.49	78.50	72.72	60.47	89.88	78.10	34.17	69.94		
	Average	49.47	61.76	76.71	50.26	50.77	59.28	53.66	84.89	71.55	30.84	40.71		
13,7,5	RGB	26.60	22.53	48.31	34.95	2.38	34.92	32.51	74.02	57.68	0.00	0.00		
	Lab	73.09	83.04	83.31	79.75	64.30	76.27	81.74	90.65	82.77	61.67	54.60		
	HSV	25.94	82.52	79.21	39.13	80.03	80.17	65.54	89.12	85.61	37.08	77.01		
	Average	41.88	62.70	70.28	51.28	48.90	63.79	59.93	84.60	75.35	32.92	43.87		
13,7,6	RGB	12.77	16.58	36.91	33.63	0.00	36.09	40.43	67.41	55.82	0.00	0.00		
	Lab	68.56	81.87	80.04	80.33	63.83	77.85	85.32	88.27	83.43	64.46	56.45		
	HSV	20.99	86.46	71.87	37.75	78.50	87.04	69.36	83.86	92.18	39.09	83.27		
	Average	34.10	61.64	62.94	50.57	47.45	67.00	65.04	79.85	77.15	34.52	46.57		
13,7,7	RGB	0.00	8.43	24.68	29.38	0.00	34.61	45.87	56.81	50.41	0.00	0.00		
	Lab	64.13	79.81	76.48	80.09	63.01	78.64	88.31	84.95	82.89	66.98	58.01		
	HSV	15.58	86.32	64.26	35.42	74.47	91.68	71.43	77.00	93.57	40.10	87.45		
	Average	26.57	58.19	55.14	48.29	45.83	68.31	68.54	72.92	75.62	35.70	48.48		
	14,0,0	RGB	89.66	15.51	65.58	10.50	26.95	4.81	0.00	34.97	23.61	0.00	0.00	
		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	20.47	36.76	63.79	32.54	18.02	34.61	40.88	20.47	40.49	18.99	
		Average	93.78	35.89	61.83	47.08	40.17	27.79	31.50	50.69	36.92	28.41	20.38	
	14,0,1	RGB	68.74	29.49	74.63	31.41	39.53	19.11	1.18	50.77	29.67	0.00	0.00	
		Lab	89.12	76.59	89.09	75.30	67.78	67.75	67.91	81.47	72.73	53.13	49.79	
		HSV	87.34	25.37	38.95	70.86	36.89	23.42	41.73	45.17	25.52	48.41	24.62	
		Average	81.74	43.82	67.56	59.19	48.07	36.76	36.94	59.14	42.64	33.85	24.80	
	14,0,2	RGB	48.02	38.27	69.70	52.13	46.69	30.82	20.13	60.93	30.55	0.00	0.00	
		Lab	81.20	78.89	90.22	83.21	73.56	73.73	75.05	83.47	76.75	61.05	56.80	
		HSV	79.68	29.70	40.16	77.34	40.50	28.35	48.61	48.59	30.03	56.33	29.80	
		Average	69.64	48.95	66.69	70.90	53.58	44.30	47.93	64.33	45.78	39.13	28.87	
14,0,3	RGB	27.29	40.03	55.11	72.80	46.24	38.38	38.12	61.24	26.02	0.00	8.76		
	Lab	73.95	78.61	86.48	90.41	77.52	78.19	81.16	82.29	78.60	68.30	62.86		
	HSV	71.86	33.36	40.32	82.56	43.22	32.70	55.13	50.95	33.89	64.23	34.42		
	Average	57.70	50.67	60.64	81.93	55.66	49.76	58.14	64.83	46.17	44.17	35.35		
14,0,4	RGB	6.33	34.39	36.98	93.03	38.08	39.94	54.11	51.54	16.75	20.69	20.86		
	Lab	66.93	76.14	80.83	97.13	79.54	80.82	86.02	78.72	78.14	75.30	68.24		
	HSV	63.98	36.23	39.44	85.12	44.91	36.35	61.12	52.09	36.98	72.10	38.36		
	Average	45.75	48.92	52.42	91.76	54.18	52.37	67.09	60.78	43.96	56.03	42.49		
14,0,5	RGB	0.00	22.56	17.99	84.75	25.02	35.46	64.74	36.10	4.40	41.47	29.59		
	Lab	60.37	72.30	74.89	95.68	79.50	81.01	88.15	73.97	75.66	81.86	72.64		
	HSV	56.08	38.22	37.54	83.73	45.49	39.17	66.29	51.93	39.18	79.92	41.49		
	Average	38.82	44.36	43.47	88.05	50.00	51.88	73.06	54.00	39.75	67.75	47.90		
14,0,6	RGB	0.00	7.08	0.00	64.00	8.75	25.57	64.99	18.09	0.00	62.38	33.16		
	Lab	53.80	67.64	68.72	89.23	77.31	79.14	87.10	68.65	71.97	88.40	75.97		
	HSV	48.16	39.21	34.73	79.16	44.91	41.05	70.20	50.47	40.39	87.58	43.65		
	Average	33.99	37.98	34.48	77.46	43.66	48.59	74.10	45.74	37.45	79.45	50.93		
14,0,7	RGB	0.00	0.00	0.00	43.22	0.00	12.51	54.63	0.00	0.00	82.84	31.27		
	Lab	47.45	62.60	62.63	82.92	73.77	75.74	83.47	63.13	67.53	94.62	77.78		
	HSV	40.24	39.18	31.11	72.97	43.22	41.89	72.33	47.83	40.56	94.35	44.75		
	Average	29.23	33.93											

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
	14,1,3	HSV	76.78	36.17	48.03	75.26	47.29	34.60	52.36	55.78	36.63	54.90	35.76
		Average	70.77	50.21	70.88	67.99	54.27	46.00	47.84	66.83	49.08	38.04	30.32
		RGB	33.59	38.35	61.59	65.98	44.25	39.59	34.87	64.36	31.84	0.00	5.03
		Lab	76.36	79.39	88.61	87.74	75.53	77.56	79.90	83.88	79.41	65.75	60.72
		HSV	69.70	40.23	48.22	79.93	50.38	39.40	59.48	58.54	40.92	62.50	40.85
		Average	59.89	52.66	66.14	77.88	56.72	52.18	58.08	68.93	50.72	42.75	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
		Lab	70.01	77.94	83.86	93.62	77.79	80.85	85.17	81.43	80.02	72.04	65.70
		HSV	62.27	43.45	47.20	82.11	52.32	43.48	66.23	59.90	44.40	69.93	45.25
		Average	48.94	52.05	58.93	86.37	56.22	56.21	67.67	66.54	49.98	51.46	42.75
	14,1,5	RGB	0.00	25.64	28.47	88.57	28.00	43.38	66.04	45.63	15.70	31.28	27.06
		Lab	63.65	74.75	78.37	96.54	78.49	82.57	89.16	77.29	78.80	78.29	70.32
		HSV	54.66	45.70	45.04	80.94	52.99	46.68	72.33	59.70	46.91	76.99	48.79
		Average	39.44	48.70	50.63	88.68	53.16	57.54	75.84	60.87	47.14	62.19	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
		Lab	57.73	71.19	72.79	92.27	77.04	81.90	90.63	72.94	76.06	83.96	73.52
		HSV	46.96	46.84	41.86	76.91	52.32	48.83	77.27	57.97	48.30	83.25	51.28
		Average	34.90	43.60	41.67	80.70	47.83	55.82	80.60	53.57	42.53	72.41	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
		Lab	52.07	66.78	67.43	87.04	74.94	79.79	88.37	68.00	72.48	89.31	76.15
	14,1,7	HSV	39.19	46.80	37.83	71.20	50.38	49.80	80.14	54.89	48.49	87.42	52.55
		Average	30.42	37.86	35.09	70.87	41.77	51.97	79.27	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
		Lab	97.91	71.54	82.88	66.48	60.45	60.28	59.61	76.14	66.57	44.30	41.70
		HSV	79.68	31.34	51.37	59.57	43.84	28.35	39.51	52.59	31.51	37.38	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
		Lab	91.20	75.83	88.28	72.96	65.45	66.38	66.24	81.04	72.15	50.83	47.68
		HSV	76.78	37.08	54.26	65.75	49.16	34.60	47.28	58.07	37.45	44.86	35.15
		Average	80.74	45.91	72.62	54.80	49.71	39.45	37.84	62.41	47.13	31.90	27.61
	14,2,2	RGB	56.97	32.56	76.74	42.53	40.34	29.60	14.09	59.82	36.57	0.00	0.00
		Lab	84.81	78.81	91.22	79.15	69.77	71.78	72.49	84.33	76.58	57.12	53.23
		HSV	71.86	42.28	55.88	71.06	53.71	40.45	55.00	62.65	42.89	52.18	41.25
		Average	71.21	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
		Lab	78.41	79.88	90.25	85.17	73.36	76.82	78.62	85.22	80.07	63.37	58.64
		HSV	65.78	46.80	56.11	74.94	57.26	45.76	62.62	65.97	47.69	59.27	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
		Lab	72.45	79.30	86.26	90.25	75.47	80.60	84.19	83.84	81.72	69.10	63.25
	14,2,4	HSV	59.06	50.45	54.91	76.65	59.54	50.36	70.07	67.63	51.65	65.98	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
		Lab	66.75	77.01	81.52	93.72	76.52	83.17	88.96	80.58	81.59	74.55	67.47
		HSV	51.96	53.03	52.39	75.74	60.33	54.03	77.18	67.39	54.56	72.03	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
		Lab	61.25	74.01	76.47	92.89	75.91	83.89	92.56	76.74	79.88	79.58	70.79
		HSV	44.63	54.35	48.76	72.46	59.54	56.55	83.51	65.28	56.20	76.91	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
	14,2,7	RGB	0.00	3.42	5.17	62.04	4.00	39.21	82.25	25.08	4.82	52.24	33.96
		Lab	55.99	70.28	71.55	89.25	74.49	83.03	92.77	72.38	77.13	84.18	73.54
		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	92.36	12.86	64.33	7.65	24.11	3.53	0.00	33.11	23.91	0.00	0.00
		Lab	98.12	71.24	82.81	66.25	60.33	60.17	59.38	75.87	66.49	44.07	41.57
		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	76.77	22.39	75.03	22.76	31.91	16.31	0.00	46.53	32.66	0.00	0.00
		Lab	92.11	75.27	87.75	71.77	64.31	65.70	65.35	80.63	71.82	49.67	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	79.53	46.61	74.84	51.83	50.22	40.47	37.92	63.59	49.06	30.40	28.72
		RGB	61.06	29.24	79.02	37.59	36.69	28.40	10.75	58.23	39.11	0.00	0.00
		Lab	86.08	78.24	91.33	77.40	68.19	71.06	71.33	84.19	76.58	55.45	51.83
		HSV	65.78	47.89	63.69	65.52	59.59	45.76	56.34	69.00	48.68	48.37	46.12
		Average	70.97	51.79	78.01	60.17	54.82	48.41	46.14	70.47	54.79	34.61	32.65
		RGB	45.23	32.50	72.92	51.76	37.66	39.31	26.55	66.21	42.38	0.00	0.00
		Lab	80.27	79.99	91.30	82.53	71.09	75.78	77.08	86.12	80.36	60.93	56.49
		HSV	60.63	52.94	63.96	68.70	63.70	51.65	64.24	73.10	54.08	54.86	52.30
		Average	62.04	55.15	76.06	67.66	57.48	55.58	55.96	75.14	58.94	38.60	36.26
	14,3,4	RGB	29.47	31.32	61.39	64.15	34.69	48.37	42.20	67.17	42.02	0.00	7.43
		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	57.12	62.51	70.06	66.42	56.87	72.12	75.24	58.65	60.81	57.89
		Average	52.95	56.04	70.81	73.73	58.14	61.77	65.58	75.92	61.26	42.30	42.09
		RGB	13.41	26.35	47.41	72.61	27.97	53.94	57.98	60.94	37.70	10.02	17.08
		Lab	69.39	78.42	84.16	90.10	74.21	83.09	87.51	83.21	83.97	70.93	64.67
		HSV	48.16	60.12	59.52	69.34	67.37	61.15	79.95	74.92	62.09	65.92	62.61
		Average	43.65	54.96	63.70	77.35	56.52	66.06	75.15	73.02	61.25	48.96	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
		Lab	64.28	75.96	79.63	90.85	74.13	84.97	91.98	79.87	83.37	75.32	67.92
	14,3,6	HSV	41.30	61.69	55.30	66.69	66.42	64.17	87.62	72.23	64.07	69.79	66.09
		Average	35.19	51.87	55.82	76.71	53.00	67.97	84.34	67.30	59.21	56.36	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
		Lab	59.44	72.90	75.14	89.26	73.28	85.25	94.85	76.07	81.39	79.28	70.62
		HSV	34.20	61.63	50.17	62.51	63.70	65.57	94.43	67.76	64.35	71.89	67.95
		Average	31.21	47.18	47.49	71.90	47.96	67.11	92.00	60.01	55.35	62.62	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
		Lab	98.35	71.23	82.50	66.02	60.06	59.88	59.17	75.81	66.23	43.85	41.28
		HSV	63.98	39.93	64.85	50.36	52.45	36.35	40.43	61.6			



Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
	14,4,3	RGB	50.51	28.23	77.31	44.32	33.38	37.96	21.48	64.37	47.02	0.00	0.00
		Lab	81.74	79.30	92.02	80.13	69.21	74.90	75.43	86.04	80.56	58.70	54.72
		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
	14,4,4	RGB	35.91	27.79	67.54	54.62	30.70	47.78	35.97	68.13	49.51	0.00	1.47
		Lab	76.52	79.74	89.85	83.88	70.94	79.04	80.51	86.40	83.84	63.28	58.59
		HSV	49.40	63.26	69.93	62.93	72.71	62.82	71.98	82.53	65.24	54.82	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
	14,4,5	RGB	21.32	23.76	55.37	61.59	25.16	55.63	50.18	64.94	48.42	0.00	10.31
		Lab	71.57	78.68	86.34	86.59	72.00	82.62	85.17	84.71	85.95	67.49	62.16
		HSV	43.50	66.82	66.28	62.35	73.89	67.89	79.75	82.08	69.41	59.18	68.76
		Average	45.46	56.42	69.33	70.18	57.02	68.71	71.70	77.24	67.93	42.22	47.08
	14,4,6	RGB	6.41	17.02	41.79	63.48	17.07	59.68	64.25	56.54	43.51	10.68	17.59
		Lab	66.84	76.90	82.23	87.75	72.08	85.07	89.45	82.09	86.35	71.28	65.11
		HSV	37.15	68.72	61.32	60.16	72.71	71.61	87.30	78.48	71.90	62.35	73.03
		Average	36.80	54.21	61.78	70.46	53.95	72.12	80.34	72.37	67.25	48.10	51.91
	14,4,7	RGB	0.00	7.96	27.79	58.99	6.93	58.77	76.82	45.24	36.00	20.72	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
		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
	14,5,0	RGB	93.74	11.19	63.34	5.79	22.20	2.62	0.00	31.92	24.03	0.00	0.00
		Lab	98.35	71.08	82.51	65.78	59.77	59.88	59.07	75.77	66.36	43.62	41.11
		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
	14,5,1	RGB	81.05	17.33	73.19	16.84	26.53	13.87	0.00	42.93	33.93	0.00	0.00
		Lab	93.15	74.16	86.55	69.55	62.06	64.45	63.76	79.82	71.27	47.53	44.72
		HSV	54.66	50.09	75.75	48.95	62.11	46.68	47.06	71.11	50.92	32.50	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
	14,5,2	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	56.84	78.97	52.35	68.48	54.03	54.74	78.29	58.08	38.33	53.27
		Average	69.27	51.89	82.95	51.29	54.06	49.44	42.42	71.69	59.07	30.20	34.10
	14,5,3	RGB	54.90	23.72	79.31	37.02	28.47	35.65	16.24	61.43	50.81	0.00	0.00
		Lab	82.66	78.41	91.88	77.82	67.23	74.01	73.88	85.66	80.68	56.61	53.01
		HSV	48.16	63.10	79.45	54.60	73.97	61.15	62.31	84.69	64.90	43.65	60.55
		Average	61.91	55.08	83.55	56.48	56.56	56.94	50.81	77.26	65.47	33.42	37.85
	14,5,4	RGB	41.60	22.92	72.00	44.90	25.73	45.66	28.83	65.95	56.39	0.00	0.00
		Lab	77.66	78.67	90.77	81.21	69.10	78.38	78.58	86.03	84.62	60.86	56.89
		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
	14,5,5	RGB	27.96	19.71	61.04	50.38	20.55	54.14	41.32	65.48	58.43	0.00	2.56
		Lab	73.07	78.04	87.73	83.44	69.96	81.90	82.71	85.02	87.38	64.49	60.03
		HSV	38.16	72.84	72.40	55.04	79.38	73.93	76.67	88.19	76.32	52.06	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
	14,5,6	RGB	14.42	13.78	48.96	51.72	13.15	60.01	52.60	59.65	56.93	0.00	8.45
		Lab	68.39	76.47	83.79	84.38	69.92	84.79	86.52	82.79	88.94	67.77	62.76
		HSV	32.31	75.20	66.52	53.19	77.90	78.68	82.81	83.22	79.64	54.73	79.24
		Average	38.37	55.15	66.42	63.10	53.66	74.49	73.97	75.22	75.17	40.83	50.15
	14,5,7	RGB	0.52	5.82	36.12	49.34	4.42	62.25	62.49	50.14	51.39	4.96	13.17
		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	75.12	59.91	50.12	73.97	81.13	86.84	76.55	80.13	56.10	82.43
		Average	30.19	51.67	58.64	61.18	49.27	76.73	79.55	68.80	73.47	43.87	53.58
	14,6,0	RGB	94.17	10.53	62.80	4.96	21.26	2.16	0.00	31.46	24.06	0.00	0.00
		Lab	98.55	71.07	82.20	65.56	59.59	59.59	58.87	75.71	66.09	43.39	40.82
		HSV	48.16	45.16	75.26	38.37	56.71	41.05	37.20	64.38	45.80	21.29	39.59
		Average	80.30	42.25	73.42	36.30	45.82	34.27	32.02	57.18	45.32	21.56	26.80
	14,6,1	RGB	82.48	15.07	71.65	14.04	23.78	12.49	0.00	41.25	34.30	0.00	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
		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
	14,6,2	RGB	70.54	17.91	77.92	22.41	24.45	22.70	0.00	50.15	44.29	0.00	0.00
		Lab	88.10	75.83	90.10	72.91	64.22	69.08	68.11	82.55	76.21	51.25	48.41
		HSV	44.63	59.68	86.10	45.22	70.62	56.55	51.95	79.61	61.16	32.47	55.12
		Average	67.76	51.14	84.71	46.85	53.10	49.44	40.02	70.77	60.56	27.90	34.51
	14,6,3	RGB	58.36	18.75	78.71	29.69	23.13	32.62	10.70	57.37	53.72	0.00	0.00
		Lab	83.18	76.99	91.92	76.12	66.09	73.50	72.48	84.46	80.81	55.04	52.01
		HSV	41.30	66.47	86.82	47.16	76.60	64.17	59.00	86.62	68.65	37.29	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
	14,6,4	RGB	45.94	17.44	73.20	35.37	19.81	41.93	21.38	61.72	61.92	0.00	0.00
		Lab	78.22	77.37	90.97	79.00	67.54	77.77	76.88	85.14	85.10	58.89	55.54
		HSV	37.15	72.63	83.26	47.95	81.08	71.61	65.65	91.73	75.83	41.42	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
	14,6,5	RGB	33.39	13.88	63.82	38.48	14.26	49.79	31.19	61.97	67.87	0.00	0.00
		Lab	73.70	76.49	88.34	80.78	68.33	81.47	80.49	84.06	88.68	62.10	58.58
		HSV	32.31	77.63	77.35	47.54	82.83	78.68	71.63	90.82	82.34	44.72	77.42
		Average	46.46	56.00	76.50	55.60	55.14	69.98	61.10	78.95	79.63	35.60	45.33
	14,6,6	RGB	20.50	8.42	52.86	39.29	7.45	56.01	40.23	57.87	69.50	0.00	0.00
		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	80.55	70.46	45.94	81.08	84.84	76.42	84.95	87.13	47.01	83.84
		Average	38.88	54.67	69.35	55.62	52.32	75.14	66.79	74.96	82.57	37.35	48.36
	14,6,7	RGB	7.38	1.19	40.95	37.15	0.00	59.17	47.53	50.28	66.08	0.00	2.14
		Lab	64.68	72.68	80.75	81.35	67.91	86.98	86.08	79.09	91.76	67.57	63.61
		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	51.44	61.62	53.92	48.17	78.24	70.93	69.04	81.92	38.58	51.32
	14,7,0	RGB	94.59	9.50	62.25	3.93	20.28	1.68	0.00	30.68	24.09	0.00	0.00
		Lab	98.46	70.75	81.99	65.08	59.01	59.38	58.55	75.48	66.03	42.93	40.43
		HSV	40.24	46.									

Color Ref	H, S, V	Distance Mode	BLACK (%)	BLUE (%)	BROWN (%)	GRAY (%)	GREEN (%)	ORANGE (%)	PINK (%)	PURPLE (%)	RED (%)	WHITE (%)	YELLOW (%)
247,7,3	14,7,4	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	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
		Lab	78.27	75.64	91.30	77.59	66.93	77.78	75.57	83.56	85.76	57.66	55.10
		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
		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
		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

	BLACK (#/%)	BLUE (#/%)	BROWN (#/%)	GRAY (#/%)	GREEN (#/%)	ORANGE (#/%)	PINK (#/%)	PURPLE (#/%)	RED (#/%)	WHITE (#/%)	YELLOW (#/%)
All	753 19.61	102 2.66	694 18.07	924 24.06	284 7.40	50 1.30	242 6.30	480 12.50	48 1.25	201 5.23	62 1.61
Average	196 20.42	26 2.71	151 15.73	237 24.69	83 8.65	15 1.56	50 5.21	126 13.13	11 1.15	50 5.21	15 1.56
RGB	194 20.21	29 3.02	205 21.35	253 26.35	57 5.94	19 1.98	41 4.27	95 9.90	7 0.73	46 4.79	14 1.46
Lab	228 23.75	24 2.50	175 18.23	239 24.90	64 6.67	13 1.35	40 4.17	90 9.38	14 1.46	56 5.83	17 1.77
HSV	135 14.06	23 2.40	163 16.98	195 20.31	80 8.33	3 0.31	111 11.56	169 17.60	16 1.67	49 5.10	16 1.67
TOTAL	753 19.61	102 2.66	694 18.07	924 24.06	284 7.40	50 1.30	242 6.30	480 12.50	48 1.25	201 5.23	62 1.61