



# IMAGE COLOR SUMMARIZER

RGB, HSV, LCH & Lab image color statistics and clustering—simple and easy

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## IMAGE COLOR SUMMARY



### THE IMAGE IN WORDS

almost aquarium azure bark bayoux billabong black blue boulevard bunker cardin cascade celestial charcoal cinder coast cod dark deep destiny electric elephant eureka gable granny grayish green grey gunmetal holly homegrown ivy jacket jaguar jungle leather madagascar malachite medium metamorphis midnight mineral mirage nile nymph ocean pasifika payne payne's pearl pepper pewter plantation quicksilver rich sea slate smith spectra spring stromboli style tarawera timber undereurrent very viridian vulcan whale whirlpool

### COLOR CLUSTERS

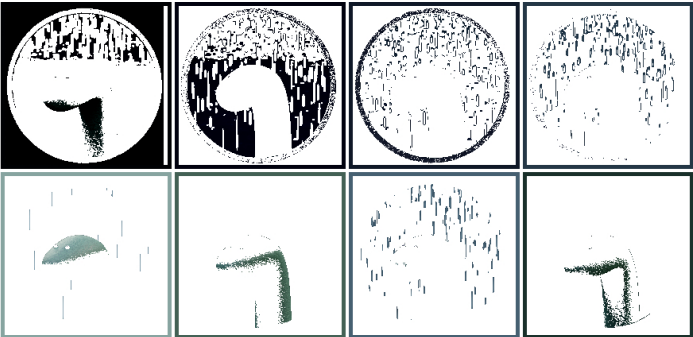
Colors in the image were clustered into 8 groups (**k-means**). The average color of the colors for each cluster is shown. The name is the closest **named color** and its distance is shown using  $\Delta E$ . The tags are the set of words formed by all named neighbours within  $\Delta E \leq 5$ . The list of words above is the set of all unique words in this set of words.

Cluster colors, sized by number of pixels:

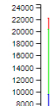
cluster	pixels	name	HEX	RGB	HSV	LCH	Lab	tags
	36.31%	0.0.0 black $\Delta E=0.5$	#000102	0 1 2	202 84 1	0 0 241	0 0 0	almost cod rich black grey
	28.90%	8.1.16 jaguar $\Delta E=2.5$	#00010E	0 1 14	236 99 5	0 5 288	0 2 -5	bunker charcoal cinder gunmetal jaguar pepper rich black blue
	11.62%	22.25.40 mirage $\Delta E=3.5$	#0F1826	15 24 38	218 60 15	8 11 277	8 1 -11	deep dark very bark celestial mirage pearl vulcan azure black blue
	6.08%	36.52.66 coast $\Delta E=2.0$	#233747	35 55 71	208 50 28	22 13 259	22 -2 -13	deep dark aquarium billabong coast elephant midnight nile ocean pasifika style tarawera whale blue grey
	4.75%	139.169.165 cascade $\Delta E=1.9$	#88A4A0	136 164 160	172 17 64	65 10 187	65 -10 -1	boulevard cascade destiny granny metamorphis nymph pewter quicksilver sea smith
	4.25%	64.99.86 stromboli $\Delta E=1.7$	#436255	67 98 85	154 32 39	39 15 165	39 -15 4	dark eureka grayish homegrown malachite mineral pasifika plantation spectra spring stromboli style viridian whirlpool green
	4.05%	73.102.121 blue bayoux $\Delta E=3.0$	#466071	70 96 113	204 38 44	39 14 249	39 -5 -13	slate dark bayoux electric payne payne's undereurrent blue grey
	4.04%	22.50.44 timber greens $\Delta E=1.4$	#183029	24 48 41	162 50 19	18 12 172	18 -12 2	medium cardin gable holly ivy jacket jungle leather madagascar timber black green

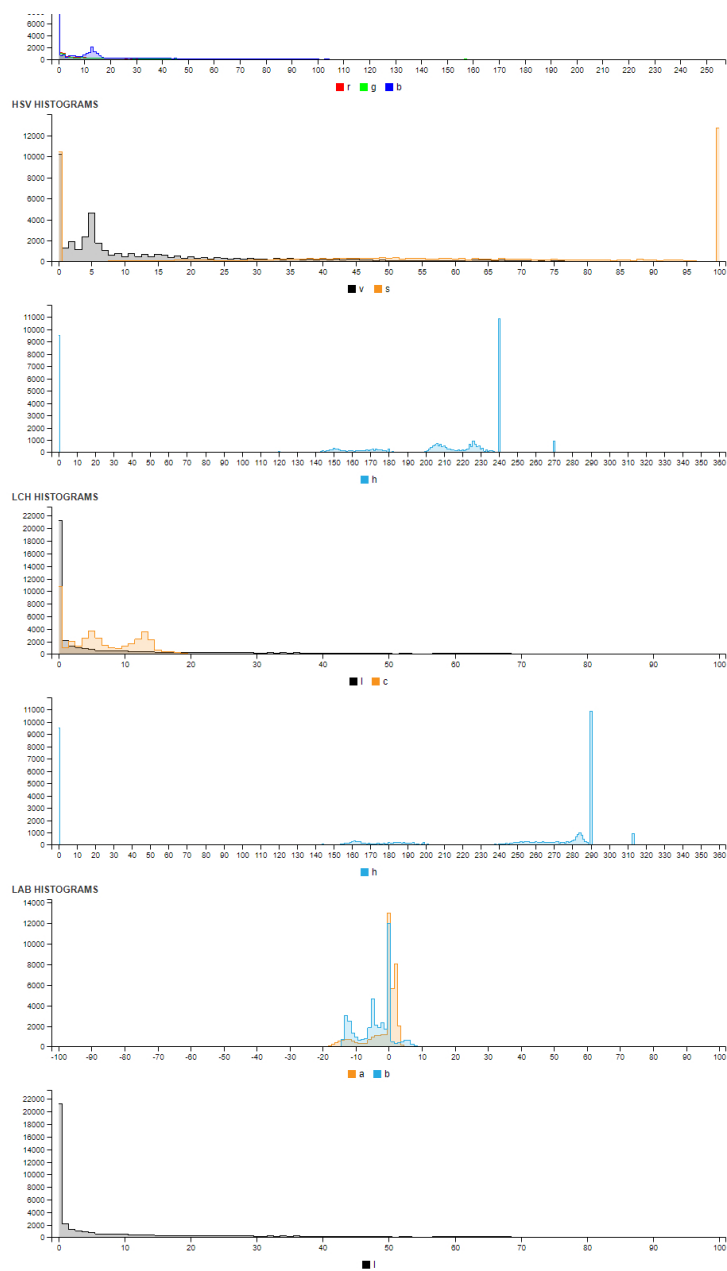
### IMAGE CLUSTER PARTITIONS

Pixels of the image assigned to each cluster. The border is the color of the cluster as calculated by the average value of its pixels.



### RGB HISTOGRAM





COLOR SPACE AND CHANNEL STATISTICS

	avg	med	min	max	
RGB-R	17	0	0	206	
RGB-G	25	0	0	216	
RGB-B	31	13	0	211	
HSV-H	234	0.00	209	0	340
HSV-S	54	56	0	100	
HSV-V	13	5	0	85	
LCH-L	10	0	0	85	
LCH-C	6	5	0	20	
LCH-H	290	1.00	263	0	313
LAB-L	10	0	0	85	
LAB-A	-1	0	-18	5	
LAB-B	-4	-3	-19	8	