

48 step circle with equal rgb* hue steps; numbers no. of 1080 colours																															
no.	h _{ab}	L*	a*a	b*a	no.	h _{ab}	L*	a*a	b*a	no.	h _{ab}	L*	a*a	b*a	no.	h _{ab}	L*	a*a	b*a	no.	h _{ab}	L*	a*a	b*a							
648	32.9	48.1	64.5	41.8	720	100.4	93.5	-17.4	95.0	72	143.3	60.2	-59.2	44.0	80	206.8	56.3	-40.8	-20.6	8	264.0	38.6	-4.8	-46.2							
657	33.8	48.9	63.2	42.4	639	110.9	82.3	-29.5	77.2	73	144.0	59.6	-59.9	43.5	71	224.5	52.4	-36.0	-35.5	89	265.1	39.2	-4.0	-47.4							
666	38.6	49.8	61.4	49.1	558	121.5	74.0	-39.3	64.0	74	144.5	59.6	-59.4	42.3	62	242.2	51.2	-25.3	-48.2	170	266.8	38.9	-2.5	-47.4							
675	46.8	54.8	51.6	55.0	477	131.9	67.1	-45.8	51.0	75	147.0	58.6	-60.3	39.0	53	248.4	48.1	-19.0	-48.1	251	269.7	37.2	-0.1	-48.7							
684	60.5	63.0	35.5	62.9	396	139.7	62.0	-53.2	44.9	76	150.3	58.2	-59.5	33.8	44	253.1	45.4	-14.5	-48.1	332	280.2	36.1	8.3	-46.3							
693	75.4	72.0	18.6	71.8	315	141.7	61.1	-55.1	43.4	77	154.4	57.5	-59.2	28.2	35	257.6	43.0	-10.5	-48.0	413	297.4	36.8	21.4	-41.1							
702	87.6	80.7	3.3	80.8	234	143.7	60.0	-58.9	43.2	78	164.1	58.0	-54.5	15.5	26	262.3	41.1	-6.4	-47.7	494	316.4	38.9	37.0	-35.2							
711	96.2	88.8	-9.9	90.5	153	144.0	59.6	-59.7	43.3	79	181.3	59.7	-46.3	-1.1	17	264.7	39.8	-4.3	-47.4	575	332.3	41.9	51.4	-26.9							
RJGB _{ton} : 25.4, 92.3, 162.2, 271.7 RJGB _{all} : 25.4 58.8 75.6 92.3 109.7 127.2 144.7 162.2 189.6 216.9 244.3 271.7 300.1 328.6 357.0 LAB*Nio: 14.6, 0.3, 1.3 LAB*Wio: 97.3, -0.9, 2.2																															
25.4	42.1	58.8	75.6	92.3	109.7	127.2	144.7	162.2	189.6	216.9	244.3	271.7	300.1	328.6	357.0																
46	2	3	5	6	8	10	18	21	23	24	26	35	37	38	41																
16.5	23.4	33.8	38.6	38.6	46.8	60.5	75.4	75.4	87.6	96.2	100.4	110.9	121.5	144.0	144.5	150.3	154.4	164.1	181.3	181.3	206.8	224.5	242.2	266.8	269.7	280.2	297.4	316.4	351.0	354.8	
29.5	32.9	46.8	60.5	60.5	75.4	87.6	96.2	96.2	100.4	110.9	121.5	131.9	139.7	147.0	150.3	164.1	181.3	206.8	224.5	242.2	248.4	253.1	280.2	297.4	316.4	332.3	332.3	351.0	359.5	5.7	
0.335	0.433	0.879	0.014	0.54	0.891	0.549	0.081	0.802	0.323	0.572	0.339	0.187	0.141	0.765	0.461																
651	650	657	666	666	675	684	693	693	702	711	720	639	558	73	74	76	77	78	79	79	80	71	62	170	251	332	413	413	494	656	655
649	648	675	684	684	693	702	711	711	720	639	558	477	396	75	76	78	79	80	71	62	53	44	332	413	494	575	656	575	656	654	653
507	506	531	558	558	585	612	639	639	666	693	720	477	234	217	218	220	221	222	223	223	224	197	170	494	17	260	503	503	26	512	511
505	504	585	612	612	639	666	693	693	720	477	234	711	468	219	220	222	223	224	197	170	143	116	260	503	26	269	269	512	510	509	
16 step elementary hue circle with equal CIELAB hue steps																															
																X _t	Y _t	Z _t	L* _t	a* _t	b* _t	L* _{t,a}	a* _{t,a}	b* _{t,a}	h _{ab,t}	rgb*					
r00j	716	647	597	565	550	548	561	559	556	599	704	786	779	682	528	415	395	417	30.4	16.9	6.4	48.2	65.1	32.8	48.2	65.3	31.1	25.4	1.00	0.00	0.00
	399	391	677	1977	4230	6316	7669	8386	8736	8895	8970	8985	8992	8992	9000	9017	9008	9012													
r25j	333	262	219	195	183	180	183	197	230	319	559	876	1051	1021	856	714	688	720	32.5	20.0	3.4	51.9	57.2	53.7	51.9	57.4	52.0	42.1	1.00	0.25	0.00
	692	676	1038	2502	4792	6770	7987	8607	8904	9041	9105	9116	9119	9118	9123	9140	9131	9133													
r50j	370	292	236	209	196	194	200	214	256	386	787	1459	2000	2176	2063	1903	1878	1924	39.6	30.4	4.8	62.0	37.0	63.8	62.0	37.4	62.0	58.8	1.00	0.50	0.00
	1884	1861	2313	3865	5927	7499	8380	8804	9006	9101	9148	9148	9147	9143	9148	9163	9150	9153													
r75j	429	330	264	231	214	212	221	241	294	473	1053	2114	3116	3619	3671	3570	3564	3614	47.8	43.8	6.4	72.1	17.9	73.8	72.1	18.4	71.9	75.5	1.00	0.75	0.00
	3573	3554	3984	5341	6963	8087	8678	8953	9086	9152	9184	9177	9176	9169	9172	9189	9174	9179													
j00g	457	333	263	231	213	205	215	239	312	569	1417	3037	4744	5851	6294	6381	6434	6485	60.5	65.5	8.6	84.7	-4.1	87.7	84.7	-3.4	85.6	92.2	0.75	1.00	0.00
	6462	6467	6727	7482	8265	8740	8978	9086	9147	9187	9206	9194	9188	9178	9179	9192	9180	9186													
j25g	392	313	271	244	229	231	244	278	367	668	1635	3525	5617	7034	7565	7504	7235	6890	48.6	63.1	10.0	83.5	-29.1	81.1	83.5	-28.3	79.0	109.7	0.50	1.00	0.00
	6544	6323	6168	6070	5980	5918	5897	5884	5885	5918	5979	6008	5992	5951	5889	5834	5811	5862													
j50g	329	295	288	278	267	268	290	336	430	728	1633	3366	5169	6147	6193	5705	5079	4434	26.7	40.9	9.9	70.1	-43.6	58.5	70.1	-43.0	56.6	127.2	0.25	1.00	0.00
	3856	3481	3257	3124	3009	2919	2877	2851	2841	2877	2953	3004	2989	2938	2853	2770	2749	2819													
j75g	206	208	209	201	193	199	219	264	360	657	1568	3244	4826	5465	5202	4486	3685	2913	14.2	27.6	8.7	59.5	-59.9	43.8	59.5	-59.5	42.0	144.7	0.00	1.00	0.00
	2256	1843	1616	1485	1373	1288	1244	1222	1209	1241	1311	1364	1351	1305	1226	1150	1138	1200													
g00b	371	437	554	653	686	748	873	1032	1247	1705	2714	4161	5227	5413	4927	4128	3304	2543	13.7	25.8	17.0	57.9	-55.9	19.5	57.9	-55.5	17.8	162.2	0.00	1.00	0.00
	1926	1555	1359	1250	1159	1090	1055	1035	1025	1047	1099	1138	1127	1090	1030	974	964	1018													
g25b	685	933	1327	1692	1843	2062	2406	2735	3020	3488	4327	5305	5806	5638	5010	4158	3308	2528	16.4	27.0	33.4	58.9	-44.7	-5.6	58.9	-44.4	-7.4	189.5	0.00	1.00	0.50
	1898	1525	1329	1219	1130	1062	1028	1009	998	1018	1067	1105	1094	1059	999	945	939	991													
g50b	584	943	1567	2199	2497	2898	3501	4023	4331	4710	5243	5698	5711	5257	4477	3536	2635	1841	13.8	22.0	44.2	54.1	-38.9	-27.2	54.1	-38.6	-29.0	216.9	0.00	1.00	1.00
	1233	894	728	642	574	527	502	490	483	496	530	558	550	526	487	455	458	496													
g75b	493	917	1761	2708	3197	3871	4935	5802	6086	6188	6120	5878	5450	4812	3966	3008	2120	1361	13.8	18.9	57.8	50.5	-23.7	-47.1	50.5	-23.4	-48.8	244.3			