

48 step circle with interpretation <i>rgb</i> -> <i>rgb</i> * _d device hue steps of 1080 standard colours																																	
<i>rgb</i> -> <i>rgb</i> * _d	<i>h</i> _{ab,a}	<i>L</i> *	<i>a</i> *	<i>b</i> *	<i>rgb</i> -> <i>rgb</i> * _d	<i>h</i> _{ab,a}	<i>L</i> *	<i>a</i> *	<i>b</i> *	<i>rgb</i> -> <i>rgb</i> * _d	<i>h</i> _{ab,a}	<i>L</i> *	<i>a</i> *	<i>b</i> *	<i>rgb</i> -> <i>rgb</i> * _d	<i>h</i> _{ab,a}	<i>L</i> *	<i>a</i> *	<i>b</i> *	<i>rgb</i> -> <i>rgb</i> * _d	<i>h</i> _{ab,a}	<i>L</i> *	<i>a</i> *	<i>b</i> *	<i>rgb</i> -> <i>rgb</i> * _d	<i>h</i> _{ab,a}	<i>L</i> *	<i>a</i> *	<i>b</i> *				
1.0 0.0 0.0	32.2	50.5	69.4	43.8	1.0 1.0 0.0	92.7	90.9	-4.1	87.7	0.0 1.0 0.0	153.5	55.0	-62.9	31.2	0.0 1.0 1.0	229.1	61.4	-38.8	-44.8	0.0 0.0 1.0	292.2	26.8	19.6	-48.0	1.0 0.0 1.0	355.9	51.2	73.9	-5.2				
1.0 0.12 0.0	38.8	54.6	60.5	48.7	0.87 1.0 0.0	96.4	86.9	-9.2	82.4	0.0 1.0 0.12	161.0	55.8	-61.3	21.0	0.0 0.87 1.0	233.8	57.6	-33.1	-45.3	0.12 0.0 1.0	304.6	29.4	29.4	-42.6	1.0 0.0 0.87	0.0	51.2	73.2	0.0				
1.0 0.25 0.0	46.2	59.0	51.1	53.5	0.75 1.0 0.0	99.9	83.1	-13.8	78.5	0.0 1.0 0.25	170.1	56.6	-59.1	10.2	0.0 0.75 1.0	238.8	53.9	-27.5	-45.6	0.25 0.0 1.0	315.4	31.4	37.5	-36.9	1.0 0.0 0.75	3.8	51.1	72.5	4.8				
1.0 0.37 0.0	55.4	64.2	40.7	59.2	0.62 1.0 0.0	106.9	77.7	-20.6	67.7	0.0 1.0 0.37	181.5	57.5	-56.1	-1.5	0.0 0.62 1.0	245.8	49.1	-20.6	-46.1	0.37 0.0 1.0	321.8	35.7	42.3	-33.2	1.0 0.0 0.62	8.5	51.2	71.3	10.7				
1.0 0.5 0.0	65.0	69.7	30.2	65.1	0.5 1.0 0.0	113.8	73.3	-27.1	61.3	0.0 1.0 0.5	192.1	58.2	-53.3	-11.4	0.0 0.5 1.0	254.1	44.5	-13.2	-46.5	0.5 0.0 1.0	332.5	39.1	51.1	-26.5	1.0 0.0 0.5	13.2	50.8	71.3	16.7				
1.0 0.62 0.0	74.2	75.5	20.0	71.3	0.37 1.0 0.0	122.0	68.5	-34.4	55.0	0.0 1.0 0.62	202.2	58.8	-50.3	-20.6	0.0 0.37 1.0	264.0	39.6	-4.8	-46.6	0.62 0.0 1.0	341.3	42.1	58.2	-19.6	1.0 0.0 0.37	17.9	50.9	70.6	22.9				
1.0 0.75 0.0	81.6	80.8	11.3	76.7	0.25 1.0 0.0	137.1	62.0	-45.0	41.7	0.0 1.0 0.75	212.2	59.6	-46.6	-29.4	0.0 0.25 1.0	272.7	35.6	2.2	-47.3	0.75 0.0 1.0	345.8	46.2	62.8	-15.8	1.0 0.0 0.25	23.7	50.8	69.9	30.7				
1.0 0.87 0.0	87.6	85.8	3.4	81.7	0.12 1.0 0.0	145.6	58.7	-53.5	36.5	0.0 1.0 0.87	220.4	60.5	-43.1	-36.8	0.0 0.12 1.0	282.0	31.6	10.1	-47.6	0.87 0.0 1.0	351.0	48.9	68.2	-10.7	1.0 0.0 0.12	28.2	50.7	69.5	37.3				
RYGB_{ton} : 25.4, 92.3, 162.2, 271.7 RYGB_{all} : 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 LAB*_{Nio} : 22.2, 0.5, 0.5 LAB*_{Wio} : 96.3, -0.5, 1.9																																	
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	LAB*_{Nio}	22.2	0.5	0.5	LAB*_{Wio}	96.3	-0.5	1.9										
46	1	3	5	7	11	13	14	17	19	22	26	29	32	35	40																		
17.9 23.7	32.2 38.8	46.2 55.4	65.0 74.2	81.6 87.6	99.9 106.9	113.8 122.0	122.0 137.1	153.5 161.0	170.1 181.5	202.2 212.2	233.8 238.8	254.1 264.0	282.0 292.2	315.4 321.8	351.0 355.9																		
28.2 32.2	46.2 55.4	65.0 74.2	81.6 87.6	92.7 96.4	113.8 122.0	137.1 145.6	145.6 153.5	170.1 181.5	192.1 202.2	220.4 229.1	245.8 254.1	272.7 282.0	304.6 315.4	332.5 341.3	0.0 3.8																		
0.382	0.452	0.356	0.178	0.922	0.408	0.343	0.89	0.124	0.76	0.573	0.787	0.884	0.641	0.63	0.265																		
651 650	648 657	666 675	684 693	702 711	558 477	396 315	315 234	72 73	74 75	77 78	71 62	44 35	17 8	170 251	575 656																		
649 648	666 675	684 693	702 711	720 639	396 315	234 153	153 72	74 75	76 77	79 80	53 44	26 17	89 170	332 413	655 654																		
507 506	504 531	558 585	612 639	666 693	234 711	468 225	225 702	216 217	218 219	221 222	197 170	116 89	35 8	494 17	269 512																		
505 504	558 585	612 639	666 693	720 477	468 225	702 459	459 216	218 219	220 221	223 224	143 116	62 35	251 494	260 503	511 510																		
16 step elementary hue circle with intended elementary hues: <i>h</i>_{ab,a} = 25.4, 92.3, 162.2, 271.7																																	
r00j=R	329	1173	935	789	697	669	667	674	687	639	570	595	695	707	591	498	469	418															
	329	286	491	1963	4763	6932	8013	8463	8652	8747	8802	8814	8824	8827	8844	8864	8859	8876	35.3	19.1	5.4	0.59	0.318	13.0	50.8	69.9	34.3	50.8	69.7	33.2	77.2	25.4	1.00 0.00 0.00
r25j	1247	1003	753	569	453	406	390	407	462	471	460	589	917	1219	1265	1208	1189	1125	38.9	24.5	4.0	0.576	0.364	22.2	56.6	56.2	52.2	56.6	56.2	50.9	75.8	42.2	1.00 0.25 0.00
	993	905	1171	2760	5375	7254	8154	8523	8680	8762	8808	8815	8823	8823	8839	8857	8853	8873	46.1	35.5	5.0	0.531	0.409	37.9	66.1	36.9	62.6	66.1	36.9	61.2	71.5	58.8	1.00 0.50 0.00
r50j	1431	1173	887	662	513	446	424	447	532	572	592	826	1444	2185	2552	2615	2632	2578															
	2427	2315	2609	4110	6259	7684	8344	8611	8731	8795	8834	8837	8841	8838	8853	8871	8865	8880	46.1	35.5	5.0	0.531	0.409	37.9	66.1	36.9	62.6	66.1	36.9	61.2	71.5	58.8	1.00 0.50 0.00
r75j	1642	1384	1057	775	591	507	474	505	621	698	750	1112	2087	3411	4272	4544	4641	4630															
	4508	4412	4671	5827	7267	8146	8539	8698	8777	8827	8858	8852	8853	8852	8862	8880	8873	8887	55.7	50.5	6.4	0.494	0.448	62.0	76.3	18.3	73.8	76.3	18.5	72.2	74.6	75.5	1.00 0.75 0.00
j00g=J	1994	1703	1314	968	726	617	564	609	774	903	1007	1560	3094	5403	7229	8001	8299	8447															
	8508	8568	8605	8687	8738	8783	8825	8853	8884	8914	8934	8927	8924	8920	8933	8947	8938	8951	73.0	77.7	8.7	0.457	0.487	94.4	90.6	-3.9	89.3	90.6	-3.5	87.4	87.5	92.3	1.00 1.00 0.00
j25g	1346	1297	1104	857	654	561	527	572	738	861	963	1497	2948	4999	6332	6543	6278	5831															
	5302	4882	4611	4476	4361	4282	4277	4294	4332	4433	4572	4643	4611	4533	4407	4306	4353	4597	39.9	49.7	8.0	0.408	0.509	121.8	75.9	-23.5	66.3	75.9	-23.3	64.7	68.8	109.8	0.75 1.00 0.00
j50g	952	1015	951	770	596	520	495	545	702	823	919	1427	2805	4667	5689	5591	5045	4337															
	3584	3012	2671	2499	2367	2277	2264	2280	2319	2429	2588	2679	2647	2558	2414	2300	2363	2642	24.2	35.4	7.5	0.36	0.527	139.6	66.0	-38.2	51.4	66.0	-38.1	50.0	62.9	127.3	0.50 1.00 0.00
j75g	741	920	927	788	629	556	540	594	759	883	979	1489	2832	4541	5312	4992	4272	3415															
	2548	1914	1554	1379	1250	1165	1153	1170	1207	1313	1472	1567	1537	1453	1314	1207	1273	1553	15.4	27.1	7.8	0.305	0.539	152.5	59.1	-52.4	38.3	59.1	-52.4	37.0	64.2	144.7	0.25 1.00 0.00
g00b=G	1040	1404	1036	861	737	656	647	666	701	807	965	1063	1036	954	818	718	784	1064															
	1040	1656	2164	2422	2420	2517	2702	2911	3151	3296	3368	3759	4																				

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<i>rgb</i> -> <i>rgb</i> * _d	<i>h</i> _{ab,a}	<i>L</i> *	<i>a</i> *	<i>b</i> *	<i>rgb</i> -> <i>rgb</i> * _d	<i>h</i> _{ab,a}	<i>L</i> *	<i>a</i> *	<i>b</i> *	<i>rgb</i> -> <i>rgb</i> * _d	<i>h</i> _{ab,a}	<i>L</i> *	<i>a</i> *	<i>b</i> *	<i>rgb</i> -> <i>rgb</i> * _d	<i>h</i> _{ab,a}	<i>L</i> *	<i>a</i> *	<i>b</i> *	<i>rgb</i> -> <i>rgb</i> * _d	<i>h</i> _{ab,a}	<i>L</i> *	<i>a</i> *	<i>b</i> *	<i>rgb</i> -> <i>rgb</i> * _d	<i>h</i> _{ab,a}	<i>L</i> *	<i>a</i> *	<i>b</i> *				
1.0 0.0 0.0	32.2	50.5	69.4	43.8	1.0 1.0 0.0	92.7	90.9	-4.1	87.7	0.0 1.0 0.0	153.5	55.0	-62.9	31.2	0.0 1.0 1.0	229.1	61.4	-38.8	-44.8	0.0 0.0 1.0	292.2	26.8	19.6	-48.0	1.0 0.0 1.0	355.9	51.2	73.9	-5.2				
1.0 0.12 0.0	38.8	54.6	60.5	48.7	0.87 1.0 0.0	96.4	86.9	-9.2	82.4	0.0 1.0 0.12	161.0	55.8	-61.3	21.0	0.0 0.87 1.0	233.8	57.6	-33.1	-45.3	0.12 0.0 1.0	304.6	29.4	29.4	-42.6	1.0 0.0 0.87	0.0	51.2	73.2	0.0				
1.0 0.25 0.0	46.2	59.0	51.1	53.5	0.75 1.0 0.0	99.9	83.1	-13.8	78.5	0.0 1.0 0.25	170.1	56.6	-59.1	10.2	0.0 0.75 1.0	238.8	53.9	-27.5	-45.6	0.25 0.0 1.0	315.4	31.4	37.5	-36.9	1.0 0.0 0.75	3.8	51.1	72.5	4.8				
1.0 0.37 0.0	55.4	64.2	40.7	59.2	0.62 1.0 0.0	106.9	77.7	-20.6	67.7	0.0 1.0 0.37	181.5	57.5	-56.1	-1.5	0.0 0.62 1.0	245.8	49.1	-20.6	-46.1	0.37 0.0 1.0	321.8	35.7	42.3	-33.2	1.0 0.0 0.62	8.5	51.2	71.3	10.7				
1.0 0.5 0.0	65.0	69.7	30.2	65.1	0.5 1.0 0.0	113.8	73.3	-27.1	61.3	0.0 1.0 0.5	192.1	58.2	-53.3	-11.4	0.0 0.5 1.0	254.1	44.5	-13.2	-46.5	0.5 0.0 1.0	332.5	39.1	51.1	-26.5	1.0 0.0 0.5	13.2	50.8	71.3	16.7				
1.0 0.62 0.0	74.2	75.5	20.0	71.3	0.37 1.0 0.0	122.0	68.5	-34.4	55.0	0.0 1.0 0.62	202.2	58.8	-50.3	-20.6	0.0 0.37 1.0	264.0	39.6	-4.8	-46.6	0.62 0.0 1.0	341.3	42.1	58.2	-19.6	1.0 0.0 0.37	17.9	50.9	70.6	22.9				
1.0 0.75 0.0	81.6	80.8	11.3	76.7	0.25 1.0 0.0	137.1	62.0	-45.0	41.7	0.0 1.0 0.75	212.2	59.6	-46.6	-29.4	0.0 0.25 1.0	272.7	35.6	2.2	-47.3	0.75 0.0 1.0	345.8	46.2	62.8	-15.8	1.0 0.0 0.25	23.7	50.8	69.9	30.7				
1.0 0.87 0.0	87.6	85.8	3.4	81.7	0.12 1.0 0.0	145.6	58.7	-53.5	36.5	0.0 1.0 0.87	220.4	60.5	-43.1	-36.8	0.0 0.12 1.0	282.0	31.6	10.1	-47.6	0.87 0.0 1.0	351.0	48.9	68.2	-10.7	1.0 0.0 0.12	28.2	50.7	69.5	37.3				
RYGB_{ton} : 25.4, 92.3, 162.2, 271.7 RYGB_{all} : 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 LAB*_{Nio} : 22.2, 0.5, 0.5 LAB*_{Wio} : 96.3, -0.5, 1.9																																	
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	216.9	244.3	271.7	300.1	328.6	357.0	216.9	244.3	271.7	300.1	328.6	357.0	216.9	244.3	271.7	300.1		
46	1	3	5	7	11	13	14	17	19	22	26	29	32	35	40	46	1	3	5	7	11	13	14	17	19	22	26	29	32	35	40		
17.9 23.7	32.2 38.8	46.2 55.4	65.0 74.2	81.6 87.6	99.9 106.9	113.8 122.0	122.0 137.1	153.5 161.0	170.1 181.5	202.2 212.2	233.8 238.8	254.1 264.0	282.0 292.2	315.4 321.8	351.0 355.9	17.9 23.7	32.2 38.8	46.2 55.4	65.0 74.2	81.6 87.6	99.9 106.9	113.8 122.0	122.0 137.1	153.5 161.0	170.1 181.5	202.2 212.2	233.8 238.8	254.1 264.0	282.0 292.2	315.4 321.8	351.0 355.9		
28.2 32.2	46.2 55.4	65.0 74.2	81.6 87.6	92.7 96.4	113.8 122.0	137.1 145.6	145.6 153.5	170.1 181.5	192.1 202.2	220.4 229.1	245.8 254.1	272.7 282.0	304.6 315.4	332.5 341.3	0.0 3.8	28.2 32.2	46.2 55.4	65.0 74.2	81.6 87.6	92.7 96.4	113.8 122.0	137.1 145.6	145.6 153.5	170.1 181.5	192.1 202.2	220.4 229.1	245.8 254.1	272.7 282.0	304.6 315.4	332.5 341.3	0.0 3.8		
0.382	0.452	0.356	0.178	0.922	0.408	0.343	0.89	0.124	0.76	0.573	0.787	0.884	0.641	0.63	0.265	0.382	0.452	0.356	0.178	0.922	0.408	0.343	0.89	0.124	0.76	0.573	0.787	0.884	0.641	0.63	0.265		
651 650	648 657	666 675	684 693	702 711	558 477	396 315	315 234	72 73	74 75	77 78	71 62	44 35	17 8	170 251	575 656	651 650	648 657	666 675	684 693	702 711	558 477	396 315	315 234	72 73	74 75	77 78	71 62	44 35	17 8	170 251	575 656		
649 648	666 675	684 693	702 711	720 639	396 315	234 153	153 72	74 75	76 77	79 80	53 44	26 17	89 170	332 413	655 654	649 648	666 675	684 693	702 711	720 639	396 315	234 153	153 72	74 75	76 77	79 80	53 44	26 17	89 170	332 413	655 654		
507 506	504 531	558 585	612 639	666 693	234 711	468 225	225 702	216 217	218 219	221 222	197 170	116 89	35 8	494 17	269 512	507 506	504 531	558 585	612 639	666 693	234 711	468 225	225 702	216 217	218 219	221 222	197 170	116 89	35 8	494 17	269 512		
505 504	558 585	612 639	666 693	720 477	468 225	702 459	459 216	218 219	220 221	223 224	143 116	62 35	251 494	260 503	511 510	505 504	558 585	612 639	666 693	720 477	468 225	702 459	459 216	218 219	220 221	223 224	143 116	62 35	251 494	260 503	511 510		
16 step elementary hue circle with intended elementary hues: <i>h</i>_{ab,a} = 25.4, 92.3, 162.2, 271.7																																	
<i>r00j</i>=R	329	1173	935	789	697	669	667	674	687	639	570	595	695	707	591	498	469	418	35.3	19.1	5.4	1.85	-0.114	16.9	3.9	17.4	13.0	50.8	69.7	33.2	77.2	25.4	1.00 0.00 0.00
<i>r25j</i>	1247	1003	753	569	453	406	390	407	462	471	460	589	917	1219	1265	1208	1189	1125	38.9	24.5	4.0	1.582	-0.065	15.2	6.2	16.5	22.2	56.6	56.2	50.9	75.8	42.2	1.00 0.25 0.00
<i>r50j</i>	993	905	1171	2760	5375	7254	8154	8523	8680	8762	8808	8815	8823	8823	8839	8857	8853	8873	46.1	35.5	5.0	1.298	-0.057	11.9	9.3	15.1	37.9	66.1	36.9	61.2	71.5	58.8	1.00 0.50 0.00
<i>r75j</i>	1431	1173	887	662	513	446	424	447	532	572	592	826	1444	2185	2552	2615	2632	2578	46.1	35.5	5.0	1.298	-0.057	11.9	9.3	15.1	37.9	66.1	36.9	61.2	71.5	58.8	1.00 0.50 0.00
<i>j00g</i>=J	2427	2315	2609	4110	6259	7684	8344	8611	8731	8795	8834	8837	8841	8838	8853	8871	8865	8880	55.7	50.5	6.4	1.103	-0.05	7.2	13.6	15.3	62.0	76.3	18.5	72.2	74.6	75.5	1.00 0.75 0.00
<i>j25g</i>	1642	1384	1057	775	591	507	474	505	621	698	750	1112	2087	3411	4272	4544	4641	4630	55.7	50.5	6.4	1.103	-0.05	7.2	13.6	15.3	62.0	76.3	18.5	72.2	74.6	75.5	1.00 0.75 0.00
<i>j50g</i>	4508	4412	4671	5827	7267	8146	8539	8698	8777	8827	8858	8852	8853	8852	8862	8880	8873	8887	73.0	77.7	8.7	0.939	-0.044	-1.6	21.3	21.4	94.4	90.6	-3.5	87.4	87.5	92.3	1.00 1.00 0.00
<i>j75g</i>	1994	1703	1314	968	726	617	564	609	774	903	1007	1560	3094	5403	7229	8001	8299	8447	73.0	77.7	8.7	0.939	-0.044	-1.6	21.3	21.4	94.4	90.6	-3.5	87.4	87.5	92.3	1.00 1.00 0.00
<i>g25g</i>	8508	8568	8605	8687	8738	8783	8825	8853	8884	8914	8934	8927	8924	8920	8933	8947	8938	8951	39.9	49.7	8.0	0.802	-0.064	-7.8	12.6	14.9	121.8	75.9	-23.3	64.7	68.8	109.8	0.75 1.00 0.00
<i>g50g</i>	1346	1297	1104	857	654	561	527	572	738	861	963	1497	2948	4999	6332	6543	6278	5831	39.9	49.7	8.0	0.802	-0.064	-7.8	12.6	14.9	121.8	75.9	-23.3	64.7	68.8	109.8	0.75 1.00 0.00
<i>g75g</i>	5302	4882	4611	4476	4361	4282	4277	4294	4332	4433	4572	4643	4611	4533	4407	4306	4353	4597	39.9	49.7	8.0	0.802	-0.064	-7.8	12.6	14.9	121.8	75.9	-23.3	64.7	68.8	109.8	0.75 1.00 0.00
<i>b00r</i>=B	952	1015	951	770	596	520	495	545	702	823	919	1427	2805	4																			