

Ostwald optimal colours (o) of maximum (m) C _{AB} for D65, Y _w =100, Y _m =520_770, CIELAB data														%
i ₁ , λ ₁	i ₂ , λ ₂	L* ₁₀₀	a* ₁₀₀	b* ₁₀₀	C* _{ab}	a'	b'	h _{ab}	i _d , λ _d	i _c , λ _c	Code		%	
0 405	32 561	80.85	−67.55	−32.54	74.98	0.1805	−0.1029	205.7	16 483	37 589	Cm		%	
6 435	32 562	81.18	−81.89	−19.25	84.12	0.1732	−0.096	193.2	17 486	42 610			%	
10 450	32 563	81.52	−109.06	11.43	109.66	0.1595	−0.0803	174.0	19 496	−1 496c			%	
12 460	33 565	82.01	−120.74	33.26	125.23	0.1538	−0.0692	164.5	21 505	−1 505c			%	
12 465	33 567	82.73	−118.76	34.5	123.67	0.1552	−0.0687	163.8	21 506	−1 506c			%	
14 470	33 569	83.3	−123.47	57.53	136.22	0.1532	−0.0572	155.0	24 520	−1 520c			%	
15 475	34 573	84.63	−118.73	70.39	138.03	0.1564	−0.0512	149.3	25 528	−1 528c	Gm		%	
16 480	36 580	86.98	−107.21	84.2	136.33	0.1633	−0.0452	141.8	27 537	−1 537c			%	
17 485	39 595	91.12	−80.53	100.07	128.45	0.1778	−0.0394	128.8	29 548	−1 548c			%	
18 490	−1 490c	97.55	−23.15	119.05	121.28	0.2052	−0.0337	101.0	33 565	11 459	max		%	
19 495	−1 495c	96.94	−20.63	125.42	127.1	0.2062	−0.0306	99.3	33 566	12 462			%	
20 500	−1 500c	96.17	−17.33	131.15	132.29	0.2076	−0.0277	97.5	33 567	12 464			%	
22 510	−1 510c	94.0	−8.24	140.17	140.41	0.2116	−0.0224	93.3	33 569	13 469			%	
23 520	−1 519c	92.57	−2.53	142.99	143.01	0.2142	−0.0202	91.0	34 570	14 471	Ym		%	
25 530	−1 529c	88.94	10.79	144.39	144.79	0.2205	−0.0165	85.7	34 573	15 475			%	
27 540	−1 539c	84.43	25.54	141.4	143.69	0.2281	−0.0134	79.7	35 577	15 478			%	
28 545	−1 544c	81.91	33.05	138.34	142.24	0.2322	−0.0121	76.5	35 579	15 479			%	
29 550	−1 549c	79.2	40.58	134.51	140.5	0.2367	−0.0111	73.2	36 582	16 480			%	
30 555	−1 554c	76.32	47.96	130.1	138.66	0.2413	−0.0103	69.7	36 584	16 481			%	
32 560	−1 560c	70.18	61.63	120.13	135.02	0.2511	−0.0093	62.8	37 589	16 483			%	
380	770	100.0	0.0	0.0	0.0	0.2154	−0.0861	0.0					%	
Ostwald optimal colours (o) of maximum (m) C _{AB} for D65, Y _w =100, Y _m =770_520, CIELAB complementary														%
i ₁ , λ ₁	i ₂ , λ ₂	L* ₁₀₀	a* ₁₀₀	b* ₁₀₀	C* _{ab}	a'	b'	h _{ab}	i _d , λ _d	i _c , λ _c	Code		%	
32 561	0 405	70.73	60.88	110.08	125.79	0.2505	−0.022	61.0	37 589	16 483	Rm		%	
32 562	6 435	70.32	70.58	34.83	78.71	0.2562	−0.0659	26.2	42 610	17 486			%	
32 563	10 450	69.88	85.85	−12.65	86.78	0.2653	−0.0935	351.6	−1 496c	19 496			%	
33 565	12 460	69.24	92.89	−29.55	97.48	0.2698	−0.1035	342.3	−1 505c	21 505			%	
33 567	12 465	68.27	94.84	−31.22	99.85	0.2716	−0.1046	341.7	−1 506c	21 506			%	
33 569	14 470	67.49	99.24	−42.98	108.15	0.2748	−0.1119	336.5	−1 520c	24 520			%	
34 573	15 475	65.52	102.87	−49.85	114.31	0.2784	−0.1167	334.1	−1 528c	25 528	Mm		%	
36 580	16 480	61.69	107.96	−59.02	123.05	0.2848	−0.1241	331.3	−1 537c	27 537			%	
39 595	17 485	53.22	112.99	−75.47	135.88	0.297	−0.1406	326.2	−1 548c	29 548			%	
−1 490c	18 490	29.91	89.01	−117.0	147.01	0.3124	−0.2136	307.2	11 459	33 565	min		%	
−1 495c	19 495	33.36	74.42	−112.09	134.55	0.2908	−0.1997	303.5	12 462	33 566			%	
−1 500c	20 500	37.09	58.44	−106.44	121.43	0.2704	−0.1864	298.7	12 464	33 567			%	
−1 510c	22 510	45.26	23.9	−93.37	96.38	0.2349	−0.1623	284.3	13 469	33 569			%	
−1 519c	23 520	49.52	6.76	−86.32	86.58	0.2205	−0.152	274.4	14 471	34 570	Bm		%	
−1 529c	25 530	58.0	−23.98	−72.06	75.95	0.1992	−0.1348	251.5	15 475	34 573			%	
−1 539c	27 540	65.83	−46.7	−58.75	75.05	0.1868	−0.122	231.5	15 478	35 577			%	
−1 544c	28 545	69.38	−54.68	−52.68	75.93	0.1833	−0.117	223.9	15 479	35 579			%	
−1 549c	29 550	72.72	−60.59	−46.95	76.65	0.1812	−0.1126	217.7	16 480	36 582			%	
−1 554c	30 555	75.82	−64.5	−41.62	76.77	0.1803	−0.1088	212.8	16 481	36 584			%	
−1 560c	32 560	81.29	−66.96	−32.22	74.32	0.181	−0.1027	205.6	16 483	37 589			%	
380	770	100.0	0.0	0.0	0.0	0.2154	−0.0861	0.0					%	

Ostwald optimal colours (o) of maximum (m) C_{AB} for D65, $Y_w=100$, $Y_m=520_770$, CIELAB data														%
i_1, λ_1	i_2, λ_2	L^*_{100}	a^*_{100}	b^*_{100}	C^*_{ab}	a'	b'	h_{ab}	i_d, λ_d	i_c, λ_c	Code	%		
0	405	32	561	80.85	−67.55	−32.54	74.98	0.1805	−0.1029	205.7	16 483	37 589	Cm	%
6	435	32	562	81.18	−81.89	−19.25	84.12	0.1732	−0.096	193.2	17 486	42 610		%
10	450	32	563	81.52	−109.06	11.43	109.66	0.1595	−0.0803	174.0	19 496	−1 496c		%
12	460	33	565	82.01	−120.74	33.26	125.23	0.1538	−0.0692	164.5	21 505	−1 505c		%
12	465	33	567	82.73	−118.76	34.5	123.67	0.1552	−0.0687	163.8	21 506	−1 506c		%
14	470	33	569	83.3	−123.47	57.53	136.22	0.1532	−0.0572	155.0	24 520	−1 520c		%
15	475	34	573	84.63	−118.73	70.39	138.03	0.1564	−0.0512	149.3	25 528	−1 528c	Gm	%
16	480	36	580	86.98	−107.21	84.2	136.33	0.1633	−0.0452	141.8	27 537	−1 537c		%
17	485	39	595	91.12	−80.53	100.07	128.45	0.1778	−0.0394	128.8	29 548	−1 548c		%
18	490	−1	490c	97.55	−23.15	119.05	121.28	0.2052	−0.0337	101.0	33 565	11 459	max	%
19	495	−1	495c	96.94	−20.63	125.42	127.1	0.2062	−0.0306	99.3	33 566	12 462		%
20	500	−1	500c	96.17	−17.33	131.15	132.29	0.2076	−0.0277	97.5	33 567	12 464		%
22	510	−1	510c	94.0	−8.24	140.17	140.41	0.2116	−0.0224	93.3	33 569	13 469		%
23	520	−1	519c	92.57	−2.53	142.99	143.01	0.2142	−0.0202	91.0	34 570	14 471	Ym	%
25	530	−1	529c	88.94	10.79	144.39	144.79	0.2205	−0.0165	85.7	34 573	15 475		%
27	540	−1	539c	84.43	25.54	141.4	143.69	0.2281	−0.0134	79.7	35 577	15 478		%
28	545	−1	544c	81.91	33.05	138.34	142.24	0.2322	−0.0121	76.5	35 579	15 479		%
29	550	−1	549c	79.2	40.58	134.51	140.5	0.2367	−0.0111	73.2	36 582	16 480		%
30	555	−1	554c	76.32	47.96	130.1	138.66	0.2413	−0.0103	69.7	36 584	16 481		%
32	560	−1	560c	70.18	61.63	120.13	135.02	0.2511	−0.0093	62.8	37 589	16 483		%
380	770	100.0	0.0	0.0	0.0	0.0	0.2154	−0.0861	0.0					%

rgb* _{e,ab} and CIE data of a elementary hue circle according to CIE R1-47 for Ostwald colours for CIE illuminant D65																	
X _{xy} , Y _{xy} , C _{AB} , A _{BC} , L _{ab} , C* _{ab} , h _{ab} data for relative spacing of elementary hue h _{ab} of CIELAB for CIE 2 degree observer																	
Elementary hue circle with 4 intended elementary hue angles: h _{ab} = 25.6, 92.4, 162.1, 271.5 of CIELAB, and 16 intended hue angles:																	
25.6 42.3 59.0 75.7 92.4 109.8 127.2 144.7 162.1 189.4 216.8 244.1 271.5 300.0 328.5 357.1																	
CIELAB data of CIE test colours 9 (R): 40.0 58.9 28.3, 10 (Y): 81.3 −3.0 71.8, 11 (G): 52.2 −42.3 13.6, 12 (B): 30.5 1.2 −46.3																	
no. _{ab}	Y	x	y	a	b	C _{AB}	A	B	C _{AB}	h _{AB}	L*	a*	b*	C* _{ab}	h _{ab}	rgb* _{e,ab}	Code _{ab}
000	41.2	0.516	0.321	1.603	−0.201	0.693	26.9	9.6	28.5	19.7	70.3	70.8	33.7	78.4	25.4	1.00 0.00 0.00	% R00Y #
001	41.5	0.571	0.371	1.539	−0.06	0.698	24.5	15.5	29.0	32.4	70.5	65.1	71.7	96.9	47.7	1.00 0.25 0.00	% R25Y #
002	41.7	0.593	0.396	1.497	−0.01	0.693	22.8	17.7	28.9	37.8	70.7	61.2	106.6	122.9	60.1	1.00 0.50 0.00	% R50Y #
003	58.9	0.546	0.452	1.208	−0.001	0.505	15.2	25.5	29.7	59.2	81.2	34.9	137.4	141.8	75.7	1.00 0.75 0.00	% R75Y #
004	84.1	0.473	0.517	0.913	−0.006	0.43	−3.0	36.0	36.2	94.8	93.5	−6.1	141.7	141.9	92.4	1.00 1.00 0.00	% Y00G #
005	89.6	0.406	0.552	0.735	−0.03	0.459	−19.2	36.3	41.1	117.9	95.8	−39.5	113.6	120.3	109.1	0.75 1.00 0.00	% Y25G #
006	79.6	0.332	0.605	0.549	−0.04	0.562	−31.9	31.4	44.7	135.4	91.5	−77.3	101.1	127.3	127.3	0.50 1.00 0.00	% Y50G #
007	67.8	0.247	0.635	0.389	−0.073	0.667	−38.0	24.5	45.2	147.1	85.9	−112.9	78.7	137.6	145.1	0.25 1.00 0.00	% Y75G #
008	61.8	0.189	0.536	0.353	−0.203	0.64	−36.9	14.3	39.6	158.7	82.8	−119.6	38.1	125.5	162.3	0.00 1.00 0.00	% G00B #
009	58.9	0.165	0.35	0.472	−0.552	0.491	−28.1	−6.8	28.9	193.7	81.2	−87.0	−13.8	88.1	189.0	0.00 1.00 0.50	% G25B #
010	45.5	0.142	0.253	0.563	−0.955	0.647	−17.6	−23.6	29.5	233.3	73.2	−61.4	−46.0	76.8	216.8	0.00 1.00 1.00	% G50B #
011	29.4	0.128	0.186	0.69	−1.474	1.071	−7.6	−30.5	31.5	255.9	61.1	−33.6	−66.7	74.7	243.2	0.00 0.50 1.00	% G75B #
012	18.8	0.127	0.129	0.981	−2.291	1.856	0.5	−34.9	34.9	278.9	50.4	3.1	−84.7	84.7	272.1	0.00 0.00 1.00	% B00R #
013	8.9	0.136	0.067	2.02	−4.722	4.418	9.5	−38.2	39.4	284.0	35.8	63.8	−108.4	125.8	300.5	0.50 0.00 1.00	% B25R #
014	26.3	0.329	0.14	2.344	−1.51	1.76	36.7	−28.3	46.3	322.3	58.3	112.5	−65.8	130.3	329.6	1.00 0.00 1.00	% B50R #
015	40.6	0.437	0.249	1.75	−0.5	0.802	32.5	−2.6	32.6	355.3	69.9	83.6	−7.0	83.9	355.1	1.00 0.00 0.50	% B75R #
016	41.2	0.516	0.321	1.603	−0.201	0.693	26.9	9.6	28.5	19.7	70.3	70.8	33.7	78.4	25.4	1.00 0.00 0.00	% R00Y #
CIEXYZ data of CIE test colours 9 (R): 20.6 11.2 4.3, 10 (Y): 54.8 59.0 12.0, 11 (G): 12.1 20.3 15.3, 12 (B): 6.2 6.4 27.6																	
5 step equidistant grey scale with intended lightness: L* = 0.0, 25.0, 50.0, 75.0, 100.0																	
000	0.0	0.0	0.0	0.0	0.0	1.045	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00 0.00 0.00	% N000W #
001	4.4	0.312	0.329	0.95	−0.435	0.01	0.0	0.0	0.0	77.1	25.0	0.0	0.0	0.0	0.0	0.25 0.25 0.25	% N025W #
002	18.4	0.312	0.329	0.95	−0.435	0.01	0.0	0.0	0.0	57.4	50.0	0.0	0.0	0.0	0.0	0.50 0.50 0.50	% N050W #
003	48.2	0.312	0.329	0.95	−0.435	0.01	0.0	0.0	0.0	22.9	75.0	0.0	0.0	0.0	0.0	0.75 0.75 0.75	% N075W #
004	100.0	0.312	0.329	0.95	−0.435	0.01	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	1.00 1.00 1.00	% N100W #