

Ostwald optimal colours (o) of maximum (m) C _{AB} for D50, Y _w =100, Y _m =520_770, LINYAB data															%
i ₁ , λ ₁	i ₂ , λ ₂	Y ₁₀₀	A ₁₀₀	B ₁₀₀	C _{AB}	a	b	h _{AB}	i _d , λ _d	i _c , λ _c	Code		%		
1	405	32	564	57.81	-26.12	-13.56	29.43	0.5124	-0.5646	207.4	17 486	38 592	Cm	%	
7	435	33	565	58.18	-29.76	-6.19	30.4	0.4526	-0.4365	191.7	18 490	46 634		%	
10	450	33	566	58.68	-33.54	2.37	33.63	0.3924	-0.2895	175.9	19 497	-1 497c		%	
12	460	33	567	59.3	-35.7	8.25	36.64	0.3621	-0.1907	166.9	21 506	-1 506c		%	
13	465	33	568	59.95	-36.49	10.91	38.09	0.3555	-0.1478	163.3	22 511	-1 511c		%	
14	470	34	570	61.04	-36.99	13.31	39.32	0.3581	-0.1117	160.1	23 519	-1 519c		%	
15	475	34	573	62.89	-37.08	15.59	40.23	0.3745	-0.0821	157.2	25 527	-1 527c	Gm	%	
15	480	35	578	66.91	-36.91	16.91	40.6	0.4125	-0.0772	155.3	26 531	-1 531c		%	
17	485	37	587	72.24	-34.33	20.9	40.19	0.489	-0.0405	148.6	28 544	-1 544c		%	
18	490	44	620	88.02	-19.26	26.82	33.02	0.7454	-0.0251	125.6	32 561	-1 561c	max	%	
19	495	-1	495c	93.65	-7.19	29.25	30.12	0.8874	-0.0176	103.8	33 568	12 463		%	
20	500	-1	500c	91.98	-5.59	29.14	29.67	0.9033	-0.0131	100.8	33 569	13 466		%	
22	510	-1	510c	87.33	-1.23	28.19	28.22	0.95	-0.0071	92.5	34 571	14 471		%	
23	520	-1	519c	84.29	1.48	27.36	27.41	0.9818	-0.0053	86.8	34 572	14 473	Ym	%	
25	530	-1	529c	76.8	7.64	25.11	26.25	1.0637	-0.0029	73.0	35 575	15 477		%	
27	540	-1	539c	68.0	13.94	22.33	26.32	1.1692	-0.0015	58.0	35 579	16 480		%	
28	545	-1	544c	63.34	16.86	20.82	26.8	1.2304	-0.0011	50.9	36 581	16 481		%	
29	550	-1	549c	58.55	19.56	19.26	27.45	1.2983	-0.0009	44.5	36 583	16 483		%	
30	555	-1	554c	53.72	21.93	17.68	28.17	1.3724	-0.0007	38.8	37 585	16 484		%	
32	560	-1	560c	44.27	25.38	14.58	29.27	1.5375	-0.0005	29.8	38 590	17 486		%	
380	770	100.0	0.0	0.0	0.01	0.9642	-0.3299	0.0						%	
Ostwald optimal colours (o) of maximum (m) C _{AB} for D50, Y _w =100, Y _m =770_520, LINYAB complementary															%
i ₁ , λ ₁	i ₂ , λ ₂	Y ₁₀₀	A ₁₀₀	B ₁₀₀	C _{AB}	a	b	h _{AB}	i _d , λ _d	i _c , λ _c	Code		%		
32	564	1	405	42.18	26.12	13.56	29.43	1.5834	-0.0084	27.4	38 592	17 486	Rm	%	
33	565	7	435	41.81	29.76	6.19	30.4	1.6761	-0.1817	11.7	46 634	18 490		%	
33	566	10	450	41.31	33.54	-2.37	33.63	1.7761	-0.3874	355.9	-1 497c	19 497		%	
33	567	12	460	40.69	35.7	-8.25	36.64	1.8416	-0.5329	346.9	-1 506c	21 506		%	
33	568	13	465	40.04	36.49	-10.91	38.09	1.8756	-0.6026	343.3	-1 511c	22 511		%	
34	570	14	470	38.95	36.99	-13.31	39.32	1.9138	-0.6718	340.1	-1 519c	23 519		%	
34	573	15	475	37.1	37.08	-15.59	40.23	1.9639	-0.7502	337.2	-1 527c	25 527	Mm	%	
35	578	15	480	33.08	36.91	-16.91	40.6	2.0799	-0.8412	335.3	-1 531c	26 531		%	
37	587	17	485	27.75	34.33	-20.9	40.19	2.201	-1.0832	328.6	-1 544c	28 544		%	
44	620	18	490	11.97	19.26	-26.82	33.02	2.572	-2.5696	305.6	-1 561c	32 561	min	%	
-1	495c	19	495	6.34	7.19	-29.25	30.12	2.0975	-4.9398	283.8	12 463	33 568		%	
-1	500c	20	500	8.01	5.59	-29.14	29.67	1.6629	-3.9666	280.8	13 466	33 569		%	
-1	510c	22	510	12.66	1.23	-28.19	28.22	1.0617	-2.5572	272.5	14 471	34 571		%	
-1	519c	23	520	15.7	-1.48	-27.36	27.41	0.8696	-2.073	266.8	14 473	34 572	Bm	%	
-1	529c	25	530	23.19	-7.64	-25.11	26.25	0.6346	-1.4127	253.0	15 477	35 575		%	
-1	539c	27	540	31.99	-13.94	-22.33	26.32	0.5285	-1.0279	238.0	16 480	35 579		%	
-1	544c	28	545	36.65	-16.86	-20.82	26.8	0.504	-0.8982	230.9	16 481	36 581		%	
-1	549c	29	550	41.44	-19.56	-19.26	27.45	0.4922	-0.7949	224.5	16 483	36 583		%	
-1	554c	30	555	46.27	-21.93	-17.68	28.17	0.4903	-0.7122	218.8	16 484	37 585		%	
-1	560c	32	560	55.72	-25.38	-14.58	29.27	0.5087	-0.5917	209.8	17 486	38 590		%	
380	770	100.0	0.0	0.0	0.01	0.9642	-0.3299	0.0						%	

Ostwald optimal colours (o) of maximum (m) C _{AB} for D50, Y _w =100, Y _m =520_770, LINYAB data															%	
i ₁ , λ ₁	i ₂ , λ ₂	Y ₁₀₀	A ₁₀₀	B ₁₀₀	C _{AB}	a	b	h _{AB}	i _d , λ _d	i _c , λ _c	Code			%		
1	405	32	564	57.81	-26.12	-13.56	29.43	0.5124	-0.5646	207.4	17	486	38	592	Cm	%
7	435	33	565	58.18	-29.76	-6.19	30.4	0.4526	-0.4365	191.7	18	490	46	634		%
10	450	33	566	58.68	-33.54	2.37	33.63	0.3924	-0.2895	175.9	19	497	-1	497c		%
12	460	33	567	59.3	-35.7	8.25	36.64	0.3621	-0.1907	166.9	21	506	-1	506c		%
13	465	33	568	59.95	-36.49	10.91	38.09	0.3555	-0.1478	163.3	22	511	-1	511c		%
14	470	34	570	61.04	-36.99	13.31	39.32	0.3581	-0.1117	160.1	23	519	-1	519c		%
15	475	34	573	62.89	-37.08	15.59	40.23	0.3745	-0.0821	157.2	25	527	-1	527c	Gm	%
15	480	35	578	66.91	-36.91	16.91	40.6	0.4125	-0.0772	155.3	26	531	-1	531c		%
17	485	37	587	72.24	-34.33	20.9	40.19	0.489	-0.0405	148.6	28	544	-1	544c		%
18	490	44	620	88.02	-19.26	26.82	33.02	0.7454	-0.0251	125.6	32	561	-1	561c	max	%
19	495	-1	495c	93.65	-7.19	29.25	30.12	0.8874	-0.0176	103.8	33	568	12	463		%
20	500	-1	500c	91.98	-5.59	29.14	29.67	0.9033	-0.0131	100.8	33	569	13	466		%
22	510	-1	510c	87.33	-1.23	28.19	28.22	0.95	-0.0071	92.5	34	571	14	471		%
23	520	-1	519c	84.29	1.48	27.36	27.41	0.9818	-0.0053	86.8	34	572	14	473	Ym	%
25	530	-1	529c	76.8	7.64	25.11	26.25	1.0637	-0.0029	73.0	35	575	15	477		%
27	540	-1	539c	68.0	13.94	22.33	26.32	1.1692	-0.0015	58.0	35	579	16	480		%
28	545	-1	544c	63.34	16.86	20.82	26.8	1.2304	-0.0011	50.9	36	581	16	481		%
29	550	-1	549c	58.55	19.56	19.26	27.45	1.2983	-0.0009	44.5	36	583	16	483		%
30	555	-1	554c	53.72	21.93	17.68	28.17	1.3724	-0.0007	38.8	37	585	16	484		%
32	560	-1	560c	44.27	25.38	14.58	29.27	1.5375	-0.0005	29.8	38	590	17	486		%
	380	770	100.0	0.0	0.0	0.0	0.01	0.9642	-0.3299	0.0						%

rgb^*_{eAB} and CIE data of a elementary hue circle according to CIE R1-47 for Ostwald colours for CIE illuminant D50																											
$Xy, abc_{AB}, ABC_{AB}, LabC^*_{ab}, h_{ab}$ data for relative spacing of elementary hue h_{AB} of LIN YAB for CIE 2 degree observer																											
Elementary hue circle with 4 intended elementary hue angles: $h_{AB} = 13.9, 87.3, 165.9, 266.0$ of LIN YAB, and 16 intended hue angles:																											
13.9 32.2 50.6 69.0 87.3 107.0 126.6 146.2 165.9 190.9 216.0 241.0 266.0 293.0 319.9 346.9																											
LINYAB data of CIE test colours 9 (R): 12.4 11.3 2.8, 10 (Y): 60.2 0.7 16.0, 11 (G): 19.8 -7.0 1.7, 12 (B): 5.9 -0.4 -6.5																											
$no_{AB}Y$	x	y	a	b	c_{AB}	A	B	C_{AB}	h_{AB}	L^*	a^*	b^*	C^*_{ab}	h_{ab}	rgb^*_{eAB}										Code $_{AB}$		
000	41.8	0.545	0.328	1.662	-0.153	0.72	29.2	7.3	30.1	14.2	70.7	74.4	33.7	81.7	24.3	1.00	0.00	0.00	%	R00Y	#						
001	46.5	0.598	0.401	1.491	0.0	0.622	24.5	15.3	28.9	32.0	73.9	60.6	127.1	140.8	64.4	1.00	0.25	0.00	%	R25Y	#						
002	63.0	0.551	0.447	1.233	-0.001	0.425	17.0	20.7	26.8	50.6	83.4	36.7	141.0	145.8	75.4	1.00	0.50	0.00	%	R50Y	#						
003	74.3	0.52	0.476	1.091	-0.002	0.351	9.4	24.3	26.1	68.7	89.0	19.1	146.4	147.6	82.5	1.00	0.75	0.00	%	R75Y	#						
004	84.6	0.491	0.502	0.978	-0.005	0.325	1.1	27.4	27.5	87.5	93.7	2.2	141.0	141.0	89.0	1.00	1.00	0.00	%	Y00G	#						
005	93.3	0.454	0.52	0.873	-0.018	0.324	-8.4	29.0	30.2	106.2	97.3	-15.8	120.6	121.6	97.4	0.75	1.00	0.00	%	Y25G	#						
006	87.4	0.408	0.555	0.735	-0.025	0.38	-19.9	26.6	33.2	126.8	94.9	-41.1	109.6	117.1	110.5	0.50	1.00	0.00	%	Y50G	#						
007	73.7	0.32	0.62	0.515	-0.038	0.535	-33.0	21.5	39.4	146.9	88.8	-85.0	92.6	125.8	132.5	0.25	1.00	0.00	%	Y75G	#						
008	59.4	0.199	0.557	0.358	-0.174	0.625	-36.0	9.2	37.1	165.6	81.5	-118.1	32.1	122.4	164.7	0.00	1.00	0.00	%	G00B	#						
009	58.2	0.178	0.396	0.449	-0.428	0.524	-29.9	-5.7	30.5	190.8	80.8	-93.8	-15.2	95.0	189.2	0.00	1.00	0.00	0.50	%	G25B	#					
010	49.3	0.156	0.315	0.496	-0.667	0.577	-23.1	-16.6	28.4	215.8	75.6	-78.4	-41.8	88.9	208.0	0.00	1.00	1.00	%	G50B	#						
011	30.3	0.127	0.235	0.541	-1.081	0.862	-12.8	-22.8	26.2	240.6	61.9	-58.7	-65.2	87.8	228.0	0.00	0.50	1.00	%	G75B	#						
012	16.0	0.123	0.144	0.853	-2.029	1.702	-1.7	-27.2	27.3	266.2	47.0	-10.8	-90.4	91.0	263.1	0.00	0.00	1.00	%	B00R	#						
013	7.6	0.18	0.073	2.456	-4.058	4.015	11.4	-28.5	30.7	291.8	33.3	77.6	-111.1	135.5	304.9	0.50	0.50	0.00	1.00	%	B25R	#					
014	21.9	0.339	0.147	2.299	-1.388	1.703	29.2	-23.2	37.3	321.6	53.9	101.3	-74.0	125.5	323.8	1.00	0.00	0.00	1.00	%	B50R	#					
015	40.6	0.441	0.239	1.841	-0.533	0.901	35.7	-8.2	36.6	346.9	69.9	89.2	-25.7	92.8	343.8	1.00	0.00	0.00	0.50	%	B75R	#					
016	41.8	0.545	0.328	1.662	-0.153	0.72	29.2	7.3	30.1	14.2	70.7	74.4	33.7	81.7	24.3	1.00	0.00	0.00	%	R00Y	#						
CIEXYZ data of CIE test colours 9 (R): 23.3 12.4 3.2, 10 (Y): 58.8 60.2 9.5, 11 (G): 12.0 19.8 11.9, 12 (B): 5.2 5.9 21.2																											
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	1.019	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	%	N000W	#					
001	4.4	0.345	0.358	0.964	-0.329	0.01	0.0	0.0	0.0	76.4	25.0	0.0	0.0	0.0	0.0	0.0	0.25	0.25	0.25	%	N025W	#					
002	18.4	0.345	0.358	0.964	-0.329	0.01	0.0	0.0	0.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.50	0.50	0.50	%	N050W	#					
003	48.2	0.345	0.358	0.964	-0.329	0.01	0.0	0.0	0.0	17.2	75.0	0.0	0.0	0.0	0.0	0.0	0.75	0.75	0.75	%	N075W	#					
004	100.0	0.345	0.358	0.964	-0.329	0.01	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	%	N100W	#					