***Ostwald* optimal colours (o) of maximum (m) C_{AB} for D65, 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	%
0	405	32	561	58.2	−22.74	−17.89	28.94	0.5596	−0.743	218.1	16	483	37	589	Cm	%
6	435	32	562	58.79	−26.78	−9.88	28.55	0.4948	−0.6036	200.2	17	486	42	610		%
10	450	32	563	59.42	−33.54	4.93	33.9	0.3859	−0.3525	171.6	19	496	−1	496c		%
12	460	33	565	60.32	−36.45	12.66	38.58	0.3461	−0.2256	160.8	21	505	−1	505c		%
12	465	33	567	61.66	−36.65	13.24	38.97	0.356	−0.2207	160.1	21	506	−1	506c		%
14	470	33	569	62.72	−38.14	19.32	42.76	0.3422	−0.1274	153.1	24	520	−1	520c		%
15	475	34	573	65.29	−38.28	22.47	44.39	0.364	−0.0913	149.5	25	528	−1	528c	Gm	%
16	480	36	580	69.95	−37.48	26.04	45.64	0.4146	−0.0632	145.2	27	537	−1	537c		%
17	485	39	595	78.75	−32.73	31.0	45.09	0.5347	−0.0418	136.5	29	548	−1	548c		%
18	490	−1	490c	93.8	−12.06	38.4	40.25	0.8218	−0.0261	107.4	33	565	11	459	max	%
19	495	−1	495c	92.3	−10.68	38.39	39.85	0.8346	−0.0195	105.5	33	566	12	462		%
20	500	−1	500c	90.42	−8.91	38.07	39.1	0.8518	−0.0144	103.1	33	567	12	464		%
22	510	−1	510c	85.27	−4.15	36.48	36.72	0.9016	−0.0076	96.5	33	569	13	469		%
23	520	−1	519c	81.98	−1.26	35.24	35.26	0.935	−0.0056	92.0	34	570	14	471	Ym	%
25	530	−1	529c	74.04	5.15	32.02	32.43	1.0201	−0.0031	80.8	34	573	15	475		%
27	540	−1	539c	64.9	11.57	28.16	30.44	1.1288	−0.0016	67.6	35	577	15	478		%
28	545	−1	544c	60.13	14.5	26.11	29.87	1.1917	−0.0012	60.9	35	579	15	479		%
29	550	−1	549c	55.26	17.18	24.01	29.53	1.2613	−0.0009	54.4	36	582	16	480		%
30	555	−1	554c	50.4	19.49	21.91	29.33	1.3372	−0.0007	48.3	36	584	16	481		%
32	560	−1	560c	41.0	22.8	17.83	28.95	1.5064	−0.0005	38.0	37	589	16	483		%
	380		770	100.0	0.0	0.0	0.01	0.9504	−0.4355	0.0						%

***Ostwald* optimal colours (o) of maximum (m) C_{AB} for D65, 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	561	0	405	41.79	22.74	17.89	28.94	1.4946	−0.0072	38.1	37	589	16	483	Rm	%
32	562	6	435	41.2	26.78	9.88	28.55	1.6006	−0.1956	20.2	42	610	17	486		%
32	563	10	450	40.57	33.54	−4.93	33.9	1.7771	−0.557	351.6	−1	496c	19	496		%
33	565	12	460	39.67	36.45	−12.66	38.58	1.8691	−0.7547	340.8	−1	505c	21	505		%
33	567	12	465	38.33	36.65	−13.24	38.97	1.9064	−0.781	340.1	−1	506c	21	506		%
33	569	14	470	37.27	38.14	−19.32	42.76	1.9738	−0.954	333.1	−1	520c	24	520		%
34	573	15	475	34.7	38.28	−22.47	44.39	2.0536	−1.083	329.5	−1	528c	25	528	Mm	%
36	580	16	480	30.04	37.48	−26.04	45.64	2.1982	−1.3026	325.2	−1	537c	27	537		%
39	595	17	485	21.24	32.73	−31.0	45.09	2.4914	−1.8952	316.5	−1	548c	29	548		%
−1	490c	18	490	6.19	12.06	−38.4	40.25	2.899	−6.6372	287.4	11	459	33	565	min	%
−1	495c	19	495	7.69	10.68	−38.39	39.85	2.3392	−5.4245	285.5	12	462	33	566		%
−1	500c	20	500	9.57	8.91	−38.07	39.1	1.8814	−4.4105	283.1	12	464	33	567		%
−1	510c	22	510	14.72	4.15	−36.48	36.72	1.2328	−2.9143	276.5	13	469	33	569		%
−1	519c	23	520	18.01	1.26	−35.24	35.26	1.0204	−2.3925	272.0	14	471	34	570	Bm	%
−1	529c	25	530	25.95	−5.15	−32.02	32.43	0.7516	−1.6693	260.8	15	475	34	573		%
−1	539c	27	540	35.09	−11.57	−28.16	30.44	0.6205	−1.238	247.6	15	478	35	577		%
−1	544c	28	545	39.86	−14.5	−26.11	29.87	0.5865	−1.0906	240.9	15	479	35	579		%
−1	549c	29	550	44.73	−17.18	−24.01	29.53	0.5663	−0.9725	234.4	16	480	36	582		%
−1	554c	30	555	49.59	−19.49	−21.91	29.33	0.5572	−0.8774	228.3	16	481	36	584		%
−1	560c	32	560	58.99	−22.8	−17.83	28.95	0.5638	−0.7379	218.0	16	483	37	589		%
	380		770	100.0	0.0	0.0	0.01	0.9504	−0.4355	0.0						%

Ostwald optimal colours (o) of maximum (m) C_{AB} for D65, 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	%
0 405	32 561	58.2	−22.74	−17.89	28.94	0.5596	−0.743	218.1	16 483	37 589	Cm	%
6 435	32 562	58.79	−26.78	−9.88	28.55	0.4948	−0.6036	200.2	17 486	42 610		%
10 450	32 563	59.42	−33.54	4.93	33.9	0.3859	−0.3525	171.6	19 496	−1 496c		%
12 460	33 565	60.32	−36.45	12.66	38.58	0.3461	−0.2256	160.8	21 505	−1 505c		%
12 465	33 567	61.66	−36.65	13.24	38.97	0.356	−0.2207	160.1	21 506	−1 506c		%
14 470	33 569	62.72	−38.14	19.32	42.76	0.3422	−0.1274	153.1	24 520	−1 520c		%
15 475	34 573	65.29	−38.28	22.47	44.39	0.364	−0.0913	149.5	25 528	−1 528c	Gm	%
16 480	36 580	69.95	−37.48	26.04	45.64	0.4146	−0.0632	145.2	27 537	−1 537c		%
17 485	39 595	78.75	−32.73	31.0	45.09	0.5347	−0.0418	136.5	29 548	−1 548c		%
18 490	−1 490c	93.8	−12.06	38.4	40.25	0.8218	−0.0261	107.4	33 565	11 459	max	%
19 495	−1 495c	92.3	−10.68	38.39	39.85	0.8346	−0.0195	105.5	33 566	12 462		%
20 500	−1 500c	90.42	−8.91	38.07	39.1	0.8518	−0.0144	103.1	33 567	12 464		%
22 510	−1 510c	85.27	−4.15	36.48	36.72	0.9016	−0.0076	96.5	33 569	13 469		%
23 520	−1 519c	81.98	−1.26	35.24	35.26	0.935	−0.0056	92.0	34 570	14 471	Ym	%
25 530	−1 529c	74.04	5.15	32.02	32.43	1.0201	−0.0031	80.8	34 573	15 475		%
27 540	−1 539c	64.9	11.57	28.16	30.44	1.1288	−0.0016	67.6	35 577	15 478		%
28 545	−1 544c	60.13	14.5	26.11	29.87	1.1917	−0.0012	60.9	35 579	15 479		%
29 550	−1 549c	55.26	17.18	24.01	29.53	1.2613	−0.0009	54.4	36 582	16 480		%
30 555	−1 554c	50.4	19.49	21.91	29.33	1.3372	−0.0007	48.3	36 584	16 481		%
32 560	−1 560c	41.0	22.8	17.83	28.95	1.5064	−0.0005	38.0	37 589	16 483		%
380	770	100.0	0.0	0.0	0.01	0.9504	−0.4355	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

Yxy, _abc_$_{AB}$, _ABC_$_{AB}$, _LabC_*$_{ab}h_$_{ab}$ data for relative spacing of elementary hue h_{AB} of _LINYAB_ for CIE 2 degree observer

Elementary hue circle with 4 intended elementary hue angles: h_{AB} = 17.7, 93.3, 159.1, 270.8 of _LINYAB_, and 16 intended hue angles:

17.7 36.6 55.5 74.4 93.3 109.7 126.2 142.7 159.1 187.0 214.9 242.8 270.8 297.5 324.2 351.0

LINYAB data of CIE test colours 9 (R): 11.2 9.9 3.1, 10 (Y): 59.0 −1.2 20.9, 11 (G): 20.3 −7.2 2.7, 12 (B): 6.4 0.1 −8.2

_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	41.1	0.508	0.314	1.615	−0.224	0.697	27.3	8.6	28.7	17.5	70.2	71.9	29.3	77.6	22.2	1.00	0.00	0.00	% R00Y	#
001	41.7	0.59	0.393	1.499	−0.016	0.691	22.9	17.5	28.8	37.3	70.7	61.3	99.1	116.6	58.2	1.00	0.25	0.00	% R25Y	#
002	56.0	0.554	0.444	1.249	0.0	0.527	16.7	24.3	29.5	55.5	79.6	39.3	135.2	140.8	73.7	1.00	0.50	0.00	% R50Y	#
003	69.3	0.516	0.481	1.072	−0.002	0.45	8.5	30.0	31.2	74.2	86.7	18.2	143.3	144.5	82.7	1.00	0.75	0.00	% R75Y	#
004	83.1	0.476	0.515	0.923	−0.006	0.43	−2.1	35.6	35.7	93.5	93.0	−4.4	142.7	142.8	91.7	1.00	1.00	0.00	% Y00G	#
005	92.9	0.429	0.533	0.805	−0.027	0.433	−13.4	37.9	40.2	109.5	97.1	−26.2	117.8	120.7	102.5	0.75	1.00	0.00	% Y25G	#
006	84.5	0.373	0.575	0.649	−0.035	0.5	−25.4	33.8	42.3	126.9	93.6	−56.2	107.3	121.2	117.6	0.50	1.00	0.00	% Y50G	#
007	71.9	0.276	0.634	0.435	−0.056	0.639	−37.0	27.2	46.0	143.6	87.9	−102.5	88.5	135.4	139.2	0.25	1.00	0.00	% Y75G	#
008	61.7	0.188	0.532	0.354	−0.21	0.637	−36.8	13.9	39.3	159.2	82.8	−119.3	36.7	124.8	162.8	0.00	1.00	0.00	% G00B	#
009	59.0	0.166	0.375	0.443	−0.487	0.509	−29.9	−3.0	30.1	185.8	81.3	−94.1	−6.4	94.3	183.9	0.00	1.00	0.50	% G25B	#
010	58.2	0.163	0.296	0.552	−0.727	0.494	−23.2	−17.0	28.7	216.2	80.8	−69.1	−31.1	75.8	204.2	0.00	1.00	1.00	% G50B	#
011	38.6	0.134	0.227	0.592	−1.124	0.776	−13.8	−26.6	30.0	242.5	68.5	−53.0	−54.1	75.7	225.6	0.00	0.50	1.00	% G75B	#
012	18.7	0.127	0.129	0.985	−2.302	1.867	0.6	−34.9	34.9	271.0	50.3	3.4	−84.8	84.9	272.3	0.00	0.00	1.00	% B00R	#
013	10.6	0.204	0.075	2.711	−3.816	3.812	18.8	−36.1	40.7	297.5	39.0	99.2	−100.7	141.4	314.5	0.50	0.00	1.00	% B25R	#
014	29.3	0.338	0.152	2.224	−1.338	1.561	37.3	−26.4	45.8	324.6	61.0	108.8	−60.3	124.4	331.0	1.00	0.00	1.00	% B50R	#
015	40.5	0.423	0.237	1.784	−0.572	0.845	33.8	−5.5	34.2	350.6	69.8	86.4	−14.1	87.5	350.7	1.00	0.00	0.50	% B75R	#
016	41.1	0.508	0.314	1.615	−0.224	0.697	27.3	8.6	28.7	17.5	70.2	71.9	29.3	77.6	22.2	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	#

***Ostwald* optimal colours (o) of maximum (m) C_{AB} for D65, $Y_{W,10}$=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	%
0	405	31	556	56.57	−21.89	−18.32	28.54	0.5611	−0.7532	219.9	15	476	37	585	Cm	%
6	435	31	557	57.41	−26.44	−8.79	27.86	0.4876	−0.5825	198.4	16	480	44	621		%
10	450	31	559	57.53	−32.48	6.09	33.05	0.3834	−0.3234	169.3	18	491	−1	491c		%
11	460	32	562	59.27	−33.9	10.52	35.5	0.3761	−0.2517	162.7	19	498	−1	498c		%
12	465	33	565	60.91	−34.93	14.56	37.84	0.3747	−0.1903	157.3	21	506	−1	506c		%
14	470	34	570	63.07	−35.18	20.67	40.8	0.3903	−0.1016	149.5	24	522	−1	522c		%
15	475	35	579	68.64	−33.55	24.85	41.75	0.4593	−0.0672	143.4	26	533	−1	533c	Gm	%
16	480	41	606	81.94	−23.65	31.88	39.7	0.6594	−0.0401	126.5	30	550	−1	550c		%
16	485	−1	484c	92.3	−10.45	36.33	37.8	0.8348	−0.0356	106.0	32	560	10	454		%
18	490	−1	490c	89.06	−7.57	36.55	37.33	0.863	−0.0188	101.7	32	562	11	459	max	%
19	495	−1	495c	87.05	−5.68	36.18	36.62	0.8828	−0.0136	98.9	32	563	12	461		%
19	500	−1	499c	87.05	−5.68	36.18	36.62	0.8828	−0.0136	98.9	32	563	12	461		%
22	510	−1	510c	79.1	1.43	33.55	33.58	0.9662	−0.0051	87.5	33	567	13	466		%
23	520	−1	519c	75.81	4.11	32.27	32.53	1.0024	−0.0036	82.7	33	568	13	468	Ym	%
26	530	−1	530c	64.17	12.31	27.48	30.11	1.14	−0.001	65.8	34	573	14	472		%
27	540	−1	539c	59.9	14.81	25.68	29.65	1.1955	−0.0005	60.0	35	576	14	473		%
28	545	−1	544c	55.54	17.09	23.83	29.32	1.2559	−0.0002	54.3	35	578	14	474		%
29	550	−1	549c	51.12	19.09	21.94	29.08	1.3215	−0.0001	48.9	36	580	15	475		%
31	555	−1	555c	42.37	21.98	18.19	28.53	1.4668	0.0	39.6	37	586	15	476		%
32	560	10	451	40.04	32.52	−6.18	33.11	1.7604	−0.5838	349.2	−1	492c	18	492		%
	380		770	100.0	0.0	0.0	0.01	0.9481	−0.4293	0.0						%

***Ostwald* optimal colours (o) of maximum (m) C_{AB} for D65, $Y_{W,10}$=100, Y_m=770_520, LINYAB complementar**																%
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	%
31	556	0	405	43.42	21.89	18.32	28.54	1.4522	−0.0074	39.9	37	585	15	476	Rm	%
31	557	6	435	42.58	26.44	8.79	27.86	1.5691	−0.2226	18.4	44	621	16	480		%
31	559	10	450	42.46	32.48	−6.09	33.05	1.713	−0.5727	349.3	−1	491c	18	491		%
32	562	11	460	40.72	33.9	−10.52	35.5	1.7807	−0.6879	342.7	−1	498c	19	498		%
33	565	12	465	39.08	34.93	−14.56	37.84	1.8419	−0.8019	337.3	−1	506c	21	506		%
34	570	14	470	36.92	35.18	−20.67	40.8	1.901	−0.9891	329.5	−1	522c	24	522		%
35	579	15	475	31.35	33.55	−24.85	41.75	2.0184	−1.2222	323.4	−1	533c	26	533	Mm	%
41	606	16	480	18.05	23.65	−31.88	39.7	2.2587	−2.1959	306.5	−1	550c	30	550		%
−1	484c	16	485	7.69	10.45	−36.33	37.8	2.306	−5.1484	286.0	10	454	32	560		%
−1	490c	18	490	10.93	7.57	−36.55	37.33	1.6407	−3.7725	281.7	11	459	32	562	min	%
−1	495c	19	495	12.94	5.68	−36.18	36.62	1.3873	−3.2239	278.9	12	461	32	563		%
−1	499c	19	500	12.94	5.68	−36.18	36.62	1.3873	−3.2239	278.9	12	461	32	563		%
−1	510c	22	510	20.89	−1.43	−33.55	33.58	0.8795	−2.035	267.5	13	466	33	567		%
−1	519c	23	520	24.18	−4.12	−32.27	32.53	0.7777	−1.7639	262.7	13	468	33	568	Bm	%
−1	530c	26	530	35.82	−12.31	−27.48	30.11	0.6044	−1.1965	245.8	14	472	34	573		%
−1	539c	27	540	40.09	−14.81	−25.68	29.65	0.5785	−1.0699	240.0	14	473	35	576		%
−1	544c	28	545	44.45	−17.09	−23.83	29.32	0.5635	−0.9653	234.3	14	474	35	578		%
−1	549c	29	550	48.87	−19.09	−21.94	29.08	0.5575	−0.8782	228.9	15	475	36	580		%
−1	555c	31	555	57.62	−21.98	−18.19	28.53	0.5667	−0.745	219.6	15	476	37	586		%
10	451	32	560	59.95	−32.52	6.18	33.11	0.4056	−0.3261	169.2	18	492	−1	492c		%
	380		770	100.0	0.0	0.0	0.01	0.9481	−0.4293	0.0						%

***Ostwald* optimal colours (o) of maximum (m) C_{AB} for D65, $Y_{W,10}$=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	%
0 405	31 556	56.57	−21.89	−18.32	28.54	0.5611	−0.7532	219.9	15 476	37 585	Cm	%
6 435	31 557	57.41	−26.44	−8.79	27.86	0.4876	−0.5825	198.4	16 480	44 621		%
10 450	31 559	57.53	−32.48	6.09	33.05	0.3834	−0.3234	169.3	18 491	−1 491c		%
11 460	32 562	59.27	−33.9	10.52	35.5	0.3761	−0.2517	162.7	19 498	−1 498c		%
12 465	33 565	60.91	−34.93	14.56	37.84	0.3747	−0.1903	157.3	21 506	−1 506c		%
14 470	34 570	63.07	−35.18	20.67	40.8	0.3903	−0.1016	149.5	24 522	−1 522c		%
15 475	35 579	68.64	−33.55	24.85	41.75	0.4593	−0.0672	143.4	26 533	−1 533c	Gm	%
16 480	41 606	81.94	−23.65	31.88	39.7	0.6594	−0.0401	126.5	30 550	−1 550c		%
16 485	−1 484c	92.3	−10.45	36.33	37.8	0.8348	−0.0356	106.0	32 560	10 454		%
18 490	−1 490c	89.06	−7.57	36.55	37.33	0.863	−0.0188	101.7	32 562	11 459	max	%
19 495	−1 495c	87.05	−5.68	36.18	36.62	0.8828	−0.0136	98.9	32 563	12 461		%
19 500	−1 499c	87.05	−5.68	36.18	36.62	0.8828	−0.0136	98.9	32 563	12 461		%
22 510	−1 510c	79.1	1.43	33.55	33.58	0.9662	−0.0051	87.5	33 567	13 466		%
23 520	−1 519c	75.81	4.11	32.27	32.53	1.0024	−0.0036	82.7	33 568	13 468	Ym	%
26 530	−1 530c	64.17	12.31	27.48	30.11	1.14	−0.001	65.8	34 573	14 472		%
27 540	−1 539c	59.9	14.81	25.68	29.65	1.1955	−0.0005	60.0	35 576	14 473		%
28 545	−1 544c	55.54	17.09	23.83	29.32	1.2559	−0.0002	54.3	35 578	14 474		%
29 550	−1 549c	51.12	19.09	21.94	29.08	1.3215	−0.0001	48.9	36 580	15 475		%
31 555	−1 555c	42.37	21.98	18.19	28.53	1.4668	0.0	39.6	37 586	15 476		%
32 560	10 451	40.04	32.52	−6.18	33.11	1.7604	−0.5838	349.2	−1 492c	18 492		%
380	770	100.0	0.0	0.0	0.01	0.9481	−0.4293	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**

***Yxy*, *abc*$_{AB}$, *ABC*$_{AB}$, *LabC**$_{ab}$*h*$_{ab}$ data for relative spacing of elementary hue h_{AB} of *LINYAB* for CIE 10 degree observer**

Elementary hue circle with 4 intended elementary hue angles: h_{AB} = 18.2, 86.3, 156.2, 260.1 of *LINYAB*, and 16 intended hue angles:

18.2 35.2 52.2 69.2 86.3 103.7 121.2 138.7 156.2 182.2 208.1 234.1 260.1 289.6 319.1 348.7

LINYAB data of CIE test colours 9 (R): 10.8 8.7 2.8, 10 (Y): 55.9 1.2 19.6, 11 (G): 20.4 −6.8 3.0, 12 (B): 7.8 −1.2 −7.2

no.	Y_{100}	x_{10}	y_{10}	a_{10}	b_{10}	$c_{AB,10}$	A_{10}	B_{10}	$C_{AB,10}$	$h_{AB,10}$	L^*_{10}	a^*_{10}	b^*_{10}	$C^*_{ab,10}$	$h_{ab,10}$	$rgb^*_{e,AB,10}$			$Code_{AB,10}$
000	40.6	0.49	0.303	1.617	−0.273	0.687	27.1	6.3	27.9	13.1	69.9	72.1	20.7	75.0	16.0	1.00	0.00	0.00	% R00Y #
001	41.9	0.57	0.381	1.496	−0.049	0.667	22.9	15.9	27.9	34.6	70.8	61.4	76.6	98.2	51.2	1.00	0.25	0.00	% R25Y #
002	54.0	0.56	0.438	1.277	0.0	0.541	17.8	23.2	29.2	52.4	78.5	42.6	134.9	141.5	72.4	1.00	0.50	0.00	% R50Y #
003	66.4	0.525	0.473	1.109	−0.001	0.457	10.7	28.4	30.3	69.2	85.2	23.5	142.9	144.8	80.6	1.00	0.75	0.00	% R75Y #
004	78.3	0.491	0.503	0.975	−0.004	0.426	2.1	33.2	33.3	86.2	90.9	4.4	143.6	143.6	88.2	1.00	1.00	0.00	% Y00G #
005	91.3	0.445	0.519	0.857	−0.027	0.412	−8.2	36.7	37.6	102.6	96.5	−15.9	116.6	117.7	97.7	0.75	1.00	0.00	% Y25G #
006	85.3	0.394	0.552	0.713	−0.038	0.455	−20.0	33.3	38.8	120.9	94.0	−42.8	104.7	113.1	112.2	0.50	1.00	0.00	% Y50G #
007	72.0	0.309	0.603	0.511	−0.057	0.573	−31.4	26.7	41.2	139.5	87.9	−83.2	87.3	120.6	133.6	0.25	1.00	0.00	% Y75G #
008	42.1	0.501	0.319	1.567	−0.224	0.652	26.0	8.6	27.4	18.3	70.9	68.3	29.1	74.2	23.1	0.00	1.00	0.00	% G00B #
009	41.7	0.484	0.303	1.596	−0.279	0.665	27.0	6.2	27.8	13.0	70.7	70.9	19.9	73.6	15.6	0.00	1.00	0.50	% G25B #
010	41.4	0.469	0.288	1.626	−0.334	0.684	28.1	3.9	28.3	7.9	70.5	73.4	11.8	74.3	9.1	0.00	1.00	1.00	% G50B #
011	41.1	0.456	0.275	1.655	−0.389	0.708	29.1	1.6	29.1	3.2	70.2	75.8	4.7	76.0	3.6	0.00	0.50	1.00	% G75B #
012	40.8	0.444	0.264	1.683	−0.441	0.735	30.0	−0.4	30.0	359.0	70.0	78.2	−1.3	78.2	359.0	0.00	0.00	1.00	% B00R #
013	40.5	0.433	0.252	1.712	−0.496	0.767	31.0	−2.7	31.1	355.0	69.8	80.6	−7.2	80.9	354.8	0.50	0.00	1.00	% B25R #
014	40.2	0.424	0.243	1.738	−0.544	0.798	31.8	−4.6	32.1	351.7	69.6	82.7	−12.1	83.5	351.6	1.00	0.00	1.00	% B50R #
015	40.0	0.417	0.237	1.76	−0.583	0.826	32.5	−6.1	33.0	349.2	69.5	84.3	−15.8	85.8	349.3	1.00	0.00	0.50	% B75R #
016	40.6	0.49	0.303	1.617	−0.273	0.687	27.1	6.3	27.9	13.1	69.9	72.1	20.7	75.0	16.0	1.00	0.00	0.00	% R00Y #

CIEXYZ data of CIE test colours 9 (R): 19.0 10.8 4.3, 10 (Y): 54.3 55.9 11.0, 11 (G): 12.5 20.4 14.4, 12 (B): 6.1 7.8 26.5

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	1.04	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	0.313	0.33	0.948	−0.429	0.01	0.0	0.0	0.0	77.0	25.0	0.0	0.0	0.0	0.0	0.25	0.25	0.25	% N025W #
002	18.4	0.313	0.33	0.948	−0.429	0.01	0.0	0.0	0.0	55.3	50.0	0.0	0.0	0.0	0.0	0.50	0.50	0.50	% N050W #
003	48.2	0.313	0.33	0.948	−0.429	0.01	0.0	0.0	0.0	23.1	75.0	0.0	0.0	0.0	0.0	0.75	0.75	0.75	% N075W #
004	100.0	0.313	0.33	0.948	−0.429	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 #

***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	0.2154	−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**

***Yxy*, *abc*$_{AB}$, *ABC*$_{AB}$, *LabC**$_{ab}h_{ab}$ 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	270.9	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 #

***Ostwald* optimal colours (o) of maximum (m) C_{AB} for D65, $Y_{w,10}$=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	31	556	79.94	−66.31	−34.08	74.56	0.1807	−0.1034	207.2	15	476	37	585	Cm	%
6	435	31	557	80.42	−82.6	−17.8	84.5	0.1724	−0.0949	192.1	16	480	44	621		%
10	450	31	559	80.48	−108.29	14.97	109.32	0.1591	−0.078	172.1	18	491	−1	491c		%
11	460	32	562	81.44	−111.37	27.39	114.69	0.1581	−0.0717	166.1	19	498	−1	498c		%
12	465	33	565	82.34	−112.77	40.26	119.75	0.1579	−0.0653	160.3	21	506	−1	506c		%
14	470	34	570	83.48	−109.79	65.41	127.8	0.1601	−0.053	149.2	24	522	−1	522c		%
15	475	35	579	86.33	−94.64	81.3	124.77	0.169	−0.0462	139.3	26	533	−1	533c	Gm	%
16	480	41	606	92.55	−53.33	102.14	115.22	0.1907	−0.0389	117.5	30	550	−1	550c		%
16	485	−1	484c	96.94	−20.21	109.71	111.55	0.2063	−0.0374	100.4	32	560	10	454		%
18	490	−1	490c	95.61	−14.83	124.45	125.34	0.2086	−0.0302	96.7	32	562	11	459	max	%
19	495	−1	495c	94.76	−11.22	130.34	130.82	0.2101	−0.0271	94.9	32	563	12	461		%
19	500	−1	499c	94.76	−11.22	130.34	130.82	0.2101	−0.0271	94.9	32	563	12	461		%
22	510	−1	510c	91.28	2.92	142.55	142.58	0.2166	−0.0195	88.8	33	567	13	466		%
23	520	−1	519c	89.77	8.54	144.07	144.32	0.2192	−0.0174	86.6	33	568	13	468	Ym	%
26	530	−1	530c	84.06	27.32	142.33	144.93	0.2288	−0.0115	79.1	34	573	14	472		%
27	540	−1	539c	81.79	33.86	139.63	143.68	0.2325	−0.0095	76.3	35	576	14	473		%
28	545	−1	544c	79.35	40.37	136.19	142.05	0.2363	−0.0075	73.4	35	578	14	474		%
29	550	−1	549c	76.75	46.79	132.12	140.16	0.2404	−0.0054	70.4	36	580	15	475		%
31	555	−1	555c	71.13	58.79	122.64	136.0	0.2489	0.0	64.3	37	586	15	476		%
32	560	10	451	69.5	84.42	−15.9	85.9	0.2645	−0.095	349.3	−1	492c	18	492		%
	380		770	100.0	0.0	0.0	0.0	0.2152	−0.0857	0.0						%

***Ostwald* optimal colours (o) of maximum (m) C_{AB} for D65, $Y_{w,10}$=100, Y_m=770_520, CIELAB complementar**																%
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	%
31	556	0	405	71.84	57.81	111.35	125.47	0.2481	−0.0221	62.5	37	585	15	476	Rm	%
31	557	6	435	71.27	68.77	29.56	74.85	0.2546	−0.0689	23.2	44	621	16	480		%
31	559	10	450	71.19	81.9	−15.15	83.29	0.2621	−0.0944	349.5	−1	491c	18	491		%
32	562	11	460	69.98	86.63	−25.22	90.23	0.2655	−0.1003	343.7	−1	498c	19	498		%
33	565	12	465	68.81	90.56	−33.85	96.68	0.2685	−0.1056	339.5	−1	506c	21	506		%
34	570	14	470	67.22	93.6	−46.01	104.3	0.2714	−0.1132	333.8	−1	522c	24	522		%
35	579	15	475	62.81	97.27	−56.68	112.58	0.2768	−0.1215	329.7	−1	533c	26	533	Mm	%
41	606	16	480	49.57	94.8	−81.7	125.15	0.2874	−0.1477	319.2	−1	550c	30	550		%
−1	484c	16	485	33.36	73.3	−109.63	131.88	0.2894	−0.1962	303.7	10	454	32	560		%
−1	490c	18	490	39.48	47.93	−101.69	112.42	0.2584	−0.1769	295.2	11	459	32	562	min	%
−1	495c	19	495	42.69	34.2	−96.93	102.79	0.2443	−0.1679	289.4	12	461	32	563		%
−1	499c	19	500	42.69	34.2	−96.93	102.79	0.2443	−0.1679	289.4	12	461	32	563		%
−1	510c	22	510	52.84	−7.33	−80.67	81.0	0.2099	−0.144	264.8	13	466	33	567		%
−1	519c	23	520	56.28	−19.89	−74.95	77.55	0.2014	−0.1373	255.1	13	468	33	568	Bm	%
−1	530c	26	530	66.39	−49.47	−57.84	76.11	0.1852	−0.1206	229.4	14	472	34	573		%
−1	539c	27	540	69.54	−55.96	−52.46	76.71	0.1825	−0.1162	223.1	14	473	35	576		%
−1	544c	28	545	72.53	−60.74	−47.32	77.0	0.1809	−0.1123	217.9	14	474	35	578		%
−1	549c	29	550	75.38	−63.87	−42.44	76.68	0.1803	−0.1088	213.6	15	475	36	580		%
−1	555c	31	555	80.53	−65.58	−33.56	73.67	0.1813	−0.103	207.1	15	476	37	586		%
10	451	32	560	81.82	−103.91	14.76	104.95	0.1621	−0.0782	171.9	18	492	−1	492c		%
	380		770	100.0	0.0	0.0	0.0	0.2152	−0.0857	0.0						%

***Ostwald* optimal colours (o) of maximum (m) C_{AB} for D65, $Y_{W,10}$=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	31 556	79.94	−66.31	−34.08	74.56	0.1807	−0.1034	207.2	15 476	37 585	Cm	%
6 435	31 557	80.42	−82.6	−17.8	84.5	0.1724	−0.0949	192.1	16 480	44 621		%
10 450	31 559	80.48	−108.29	14.97	109.32	0.1591	−0.078	172.1	18 491	−1 491c		%
11 460	32 562	81.44	−111.37	27.39	114.69	0.1581	−0.0717	166.1	19 498	−1 498c		%
12 465	33 565	82.34	−112.77	40.26	119.75	0.1579	−0.0653	160.3	21 506	−1 506c		%
14 470	34 570	83.48	−109.79	65.41	127.8	0.1601	−0.053	149.2	24 522	−1 522c		%
15 475	35 579	86.33	−94.64	81.3	124.77	0.169	−0.0462	139.3	26 533	−1 533c	Gm	%
16 480	41 606	92.55	−53.33	102.14	115.22	0.1907	−0.0389	117.5	30 550	−1 550c		%
16 485	−1 484c	96.94	−20.21	109.71	111.55	0.2063	−0.0374	100.4	32 560	10 454		%
18 490	−1 490c	95.61	−14.83	124.45	125.34	0.2086	−0.0302	96.7	32 562	11 459	max	%
19 495	−1 495c	94.76	−11.22	130.34	130.82	0.2101	−0.0271	94.9	32 563	12 461		%
19 500	−1 499c	94.76	−11.22	130.34	130.82	0.2101	−0.0271	94.9	32 563	12 461		%
22 510	−1 510c	91.28	2.92	142.55	142.58	0.2166	−0.0195	88.8	33 567	13 466		%
23 520	−1 519c	89.77	8.54	144.07	144.32	0.2192	−0.0174	86.6	33 568	13 468	Ym	%
26 530	−1 530c	84.06	27.32	142.33	144.93	0.2288	−0.0115	79.1	34 573	14 472		%
27 540	−1 539c	81.79	33.86	139.63	143.68	0.2325	−0.0095	76.3	35 576	14 473		%
28 545	−1 544c	79.35	40.37	136.19	142.05	0.2363	−0.0075	73.4	35 578	14 474		%
29 550	−1 549c	76.75	46.79	132.12	140.16	0.2404	−0.0054	70.4	36 580	15 475		%
31 555	−1 555c	71.13	58.79	122.64	136.0	0.2489	0.0	64.3	37 586	15 476		%
32 560	10 451	69.5	84.42	−15.9	85.9	0.2645	−0.095	349.3	−1 492c	18 492		%
380	770	100.0	0.0	0.0	0.0	0.2152	−0.0857	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**

***Yxy*, *abc*$_{AB}$, *ABC*$_{AB}$, *LabC**$_{ab}h_{ab}$ data for relative spacing of elementary hue h_{ab} of *CIELAB* for CIE 10 degree observer**

Elementary hue circle with 4 intended elementary hue angles: h_{ab} = 25.9, 87.3, 158.8, 252.1 of *CIELAB*, and 16 intended hue angles:

25.9 41.2 56.6 72.0 87.3 105.2 123.1 140.9 158.8 182.1 205.4 228.8 252.1 285.5 319.0 352.4

CIELAB data of CIE test colours 9 (R): 39.2 54.5 26.4, 10 (Y): 79.5 3.2 71.0, 11 (G): 52.3 −39.6 15.3, 12 (B): 33.6 −12.8 −39.9

no.	Y_{10}	x_{10}	y_{10}	a_{10}	b_{10}	$c_{AB,10}$	A_{10}	B_{10}	$C_{AB,10}$	$h_{AB,10}$	L^*_{10}	a^*_{10}	b^*_{10}	$C^*_{ab,10}$	$h_{ab,10}$	*rgb**$_{e,ab,10}$			*Code*$_{ab,10}$	
000	40.4	0.542	0.33	1.642	−0.153	0.747	28.1	11.1	30.2	21.6	69.8	74.3	42.8	85.8	29.9	1.00	0.00	0.00	% R00Y	#
001	41.0	0.582	0.37	1.572	−0.051	0.73	25.6	15.5	29.9	31.1	70.2	68.2	75.3	101.7	47.8	1.00	0.25	0.00	% R25Y	#
002	41.8	0.594	0.396	1.501	−0.009	0.694	23.1	17.5	29.0	37.1	70.7	61.9	107.5	124.1	60.0	1.00	0.50	0.00	% R50Y	#
003	53.6	0.562	0.437	1.283	0.0	0.544	18.0	23.0	29.2	51.9	78.2	43.2	134.5	141.3	72.1	1.00	0.75	0.00	% R75Y	#
004	77.3	0.494	0.5	0.987	−0.004	0.427	3.0	32.8	33.0	84.7	90.4	6.2	144.2	144.4	87.5	1.00	1.00	0.00	% Y00G	#
005	90.3	0.421	0.529	0.795	−0.037	0.421	−13.8	35.4	38.0	111.3	96.1	−27.5	107.7	111.2	104.3	0.75	1.00	0.00	% Y25G	#
006	78.3	0.351	0.582	0.603	−0.045	0.516	−27.0	30.1	40.4	131.8	90.9	−64.4	97.3	116.7	123.5	0.50	1.00	0.00	% Y50G	#
007	42.4	0.576	0.376	1.531	−0.049	0.696	24.7	16.1	29.5	33.0	71.2	65.1	77.2	101.0	49.8	0.25	1.00	0.00	% Y75G	#
008	42.2	0.569	0.366	1.552	−0.069	0.703	25.5	15.2	29.7	30.7	71.0	67.0	68.3	95.7	45.5	0.00	1.00	0.00	% G00B	#
009	41.9	0.556	0.352	1.58	−0.103	0.711	26.5	13.6	29.8	27.2	70.8	69.5	56.4	89.5	39.0	0.00	1.00	0.50	% G25B	#
010	41.6	0.539	0.335	1.609	−0.148	0.718	27.5	11.6	29.8	22.9	70.6	71.9	44.4	84.5	31.6	0.00	1.00	1.00	% G50B	#
011	41.3	0.519	0.317	1.637	−0.204	0.725	28.4	9.2	29.9	18.0	70.4	74.4	32.5	81.2	23.6	0.00	0.50	1.00	% G75B	#
012	41.0	0.498	0.299	1.665	−0.27	0.734	29.4	6.5	30.1	12.4	70.2	76.7	21.1	79.6	15.4	0.00	0.00	1.00	% B00R	#
013	40.6	0.466	0.274	1.703	−0.378	0.756	30.6	2.0	30.7	3.8	69.9	79.8	6.1	80.0	4.3	0.50	0.00	1.00	% B25R	#
014	40.3	0.438	0.252	1.736	−0.49	0.79	31.7	−2.4	31.8	355.5	69.6	82.5	−6.7	82.7	355.3	1.00	0.00	1.00	% B50R	#
015	40.0	0.424	0.242	1.754	−0.55	0.815	32.2	−4.8	32.6	351.4	69.4	83.9	−12.7	84.8	351.3	1.00	0.00	0.50	% B75R	#
016	40.4	0.542	0.33	1.642	−0.153	0.747	28.1	11.1	30.2	21.6	69.8	74.3	42.8	85.8	29.9	1.00	0.00	0.00	% R00Y	#

CIEXYZ data of CIE test colours 9 (R): 19.0 10.8 4.3, 10 (Y): 54.3 55.9 11.0, 11 (G): 12.5 20.4 14.4, 12 (B): 6.1 7.8 26.5

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	1.04	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	0.313	0.33	0.948	−0.429	0.01	0.0	0.0	0.0	77.0	25.0	0.0	0.0	0.0	0.0	0.25	0.25	0.25	% N025W	#
002	18.4	0.313	0.33	0.948	−0.429	0.01	0.0	0.0	0.0	55.3	50.0	0.0	0.0	0.0	0.0	0.50	0.50	0.50	% N050W	#
003	48.2	0.313	0.33	0.948	−0.429	0.01	0.0	0.0	0.0	23.1	75.0	0.0	0.0	0.0	0.0	0.75	0.75	0.75	% N075W	#
004	100.0	0.313	0.33	0.948	−0.429	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	#