

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	0.0	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	0.0	0.01	0.9504	-0.4355	0.0			%

r_{cb} , a_{cb} and CIE data of a elementary hue circle according to CIE R1-47 for Ostwald colours for CIE illuminant D65

Xyz, C_{AB} , ABC_{AB} , $Labc^*_{ab}$, $Labc^*_{ab}$ data for relative spacing of elementary hue h_{AB} of *LIN*YAB for CIE 2 degree observer

Elementary hue circle with 4 extended elementary hue angles: $h_{AB} = 17.7, 93.3, 159.1, 270.8$ (LIN); and 90 extended hue angles:

0.00, 0.01, ..., 089,	LIN YAB data of CIE test colours 9 (R): 11.2 9.9 3.1, 1.0 (Y): 59.0 59.2 1.2 20.9, 11 (G): 20.3 -7.2 17.2, 12 (B): 6.4 0.1 -8.2																		
no.	$no_{AB}Y$	x	y	a	b	c_{AB}	A	B	C_{AB}	h_{AB}	L^*	a^*	b^*	C^*_{ab}	h_{ab}	rgb^*_{AB}	Code_{AB}		
000	40.7	0.447	0.259	1.727	-0.453	0.777	31.6	-0.7	31.6	358.7	70.0	81.6	-1.9	81.7	359.6	1.00	0.00	0.39	B80R
001	40.8	0.445	0.261	1.72	-0.44	0.77	31.4	-0.1	31.4	359.6	70.0	81.1	-0.5	81.1	359.6	1.00	0.00	0.37	B81R
002	40.8	0.453	0.264	1.714	-0.427	0.764	31.1	0.3	31.2	356.0	70.0	80.6	0.9	80.6	0.6	1.00	0.00	0.35	B82R
003	40.8	0.456	0.267	1.708	-0.414	0.758	30.9	0.8	30.9	1.6	70.0	80.0	2.4	80.1	1.7	1.00	0.00	0.33	B83R
004	40.8	0.459	0.269	1.701	-0.4	0.752	30.7	1.4	30.7	2.6	70.0	79.5	4.0	79.6	2.9	1.00	0.00	0.3	B84R
005	40.8	0.462	0.272	1.695	-0.387	0.746	30.4	1.9	30.5	3.6	70.1	78.9	5.6	79.1	4.0	1.00	0.00	0.28	B85R
006	40.9	0.465	0.275	1.689	-0.374	0.741	30.2	2.4	30.3	4.7	70.1	78.4	7.2	78.7	5.2	1.00	0.00	0.26	B86R
007	40.9	0.469	0.278	1.682	-0.361	0.736	29.9	3.0	30.1	5.7	70.1	77.8	8.9	78.3	6.5	1.00	0.00	0.24	B87R
008	40.9	0.481	0.281	1.668	-0.348	0.728	29.6	3.7	29.9	6.9	70.0	77.1	10.6	77.6	8.1	1.00	0.00	0.22	B88R
009	40.9	0.475	0.284	1.667	-0.335	0.726	29.4	4.1	29.7	7.9	70.1	76.7	12.3	77.7	9.1	1.00	0.00	0.19	B90R
010	40.9	0.479	0.288	1.663	-0.322	0.722	29.2	4.6	29.6	9.0	70.1	76.1	14.1	77.5	10.5	1.00	0.00	0.17	B91R
011	41.0	0.483	0.291	1.657	-0.309	0.718	28.9	5.1	29.4	10.1	70.1	75.6	15.9	77.3	11.9	1.00	0.00	0.15	B92R
012	41.0	0.486	0.294	1.65	-0.296	0.714	28.7	5.6	29.3	11.2	70.2	75.0	17.8	77.1	13.3	1.00	0.00	0.12	B93R
013	41.0	0.49	0.298	1.644	-0.283	0.71	28.5	6.2	29.1	12.3	70.2	74.5	19.7	77.0	14.8	1.00	0.00	0.1	B94R
014	41.0	0.493	0.301	1.638	-0.271	0.707	28.2	6.7	29.0	13.4	70.2	73.9	21.6	77.0	16.3	1.00	0.00	0.08	B95R
015	41.0	0.497	0.304	1.632	-0.258	0.704	28.0	7.2	28.9	14.5	70.2	73.3	23.6	77.1	17.8	1.00	0.00	0.06	B96R
016	41.1	0.503	0.308	1.62	-0.246	0.696	27.7	7.8	28.8	15.6	70.2	72.7	25.7	77.2	19.1	1.00	0.00	0.04	B98R
017	41.1	0.505	0.311	1.619	-0.234	0.699	27.5	8.2	28.7	16.7	70.2	72.3	27.7	77.4	21.0	1.00	0.00	0.01	B99R
018	41.1	0.509	0.315	1.613	-0.222	0.697	27.3	8.7	28.6	17.8	70.2	71.7	29.9	77.7	22.6	1.00	0.00	0.00	R00Y
019	41.1	0.513	0.319	1.607	-0.21	0.695	27.0	9.2	28.6	18.9	70.3	71.2	32.0	78.1	24.2	1.00	0.01	0.00	R01Y
020	41.1	0.517	0.322	1.602	-0.198	0.693	26.8	9.7	28.5	19.9	70.3	70.7	34.2	78.5	25.8	1.00	0.02	0.00	R02Y
021	41.2	0.521	0.327	1.594	-0.184	0.691	26.5	10.3	28.5	21.3	70.3	70.0	37.1	79.2	27.9	1.00	0.04	0.00	R04Y
022	41.2	0.527	0.332	1.586	-0.169	0.689	26.2	10.9	28.4	22.7	70.3	69.3	40.1	80.1	30.1	1.00	0.05	0.00	R05Y
023	41.3	0.532	0.337	1.578	-0.155	0.687	25.9	11.5	28.4	24.0	70.4	68.6	43.3	81.1	33.1	1.00	0.06	0.00	R07Y
024	41.3	0.541	0.341	1.57	-0.141	0.686	25.6	12.2	28.4	25.3	70.4	67.9	46.6	82.3	36.4	1.00	0.08	0.00	R08Y
025	41.4	0.542	0.346	1.563	-0.128	0.685	25.3	12.7	28.4	26.5	70.4	67.2	49.8	83.7	39.5	1.00	0.09	0.00	R09Y
026	41.4	0.546	0.351	1.556	-0.115	0.685	25.1	13.2	28.4	27.8	70.5	66.6	53.1	85.2	38.5	1.00	0.1	0.00	R10Y
027	41.5	0.551	0.355	1.549	-0.103	0.685	24.8	13.7	28.4	28.9	70.5	66.0	56.6	86.9	40.6	1.00	0.12	0.00	R12Y
028	41.5	0.556	0.36	1.543	-0.092	0.685	24.6	14.2	28.4	30.0	70.5	65.4	60.1	88.8	42.6	1.00	0.13	0.00	R13Y
029	41.5	0.56	0.364	1.537	-0.081	0.685	24.3	14.7	28.4	31.1	70.5	64.8	63.8	91.0	44.5	1.00	0.14	0.00	R14Y
030	41.6	0.565	0.369	1.531	-0.071	0.685	24.1	15.1	28.5	32.2	70.6	64.3	67.6	93.3	46.4	1.00	0.16	0.00	R16Y
031	41.6	0.569	0.373	1.525	-0.061	0.686	23.9	15.5	28.5	33.0	70.6	63.7	71.5	95.8	48.2	1.00	0.17	0.00	R17Y
032	41.7	0.577	0.381	1.518	-0.052	0.686	23.7	15.9	28.5	33.9	70.6	63.1	75.7	97.9	50.1	1.00	0.18	0.00	R18Y
033	41.7	0.577	0.381	1.515	-0.043	0.687	23.5	16.3	28.6	34.7	70.6	62.8	80.0	101.7	51.8	1.00	0.2	0.00	R20Y
034	41.7	0.581	0.384	1.51	-0.035	0.688	23.3	16.7	28.7	35.5	70.6	62.3	84.6	105.1	53.6	1.00	0.21	0.00	R21Y
035	41.7	0.584	0.388	1.506	-0.027	0.689	23.2	17.0	28.7	36.2	70.7	61.9	89.6	109.0	55.3	1.00	0.22	0.00	R22Y
036	41.7	0.588	0.391	1.502	-0.02	0.69	23.0	17.3	28.8	36.9	70.7	61.6	95.2	113.4	57.0	1.00	0.24	0.00	R24Y
037	41.7	0.591	0.394	1.498	-0.014	0.691	22.9	17.6	28.8	37.5	70.7	61.2	101.5	118.5	58.8	1.00	0.25	0.00	R25Y
038	41.7	0.594	0.397	1.495	-0.008	0.692	22.7	17.8	28.9	38.0	70.7	60.9	108.2	124.2	60.6	1.00	0.26	0.00	R26Y
039	41.6	0.598	0.401	1.491	0.0	0.694	22.5	18.1	28.9	38.7	70.6	60.5	112.1	135.4	63.4	1.00	0.28	0.00	R28Y
040	41.6	0.603	0.403	1.487	0.001	0.695	22.3	18.4	28.9	39.5	70.6	60.2	120.2	146.7	66.1	1.00	0.3	0.00	R29Y
041	41.3	0.593	0.406	1.458	0.0	0.669	22.0	18.8	28.9	40.5	71.7	58.6	123.3	136.3	64.8	1.00	0.3	0.00	R30Y
042	44.2	0.59	0.409	1.44	0.0	0.655	21.6	19.2	29.0	41.5	72.3	56.0	124.4	136.7	65.5	1.00	0.32	0.00	R32Y
043	45.1	0.587	0.412	1.423	0.0	0.642	21.3	19.6	29.0	42.6	73.3	55.2	125.4	137.0	66.2	1.00	0.33	0.00	R33Y
044	46.1	0.584	0.415	1.405	0.0	0.63	21.0	20.0	29.0	43.6	73.6	53.8	126.4	137.4	66.9	1.00	0.34	0.00	R34Y
045	47.1	0.581	0.418	1.388	0.0	0.617	20.6	20.5	29.1	44.7	74.2	52.4	127.3	137.7	67.6	1.00	0.36	0.00	R36Y
046	48.1	0.578	0.421	1.372	0.0	0.606	20.3	20.9	29.1	45.8	74.9	51.0	128.2	138.0	68.2	1.00	0.37	0.00	R37Y
047	49.1	0.575	0.424	1.356	0.0	0.595	19.9	21.3	29.2	46.9	75.5	49.7	129.0	138.3	68.9	1.00	0.38	0.00	R38Y
048	50.0	0.572	0.426	1.342	0.0	0.585	19.6	21.7	29.3	47.9	76.1	48.3	129.8	138.5	69.5	1.00	0.4	0.00	R40Y
049	51.0	0.569	0.429	1.326	0.0	0.575	19.2	22.2	29.3	49.1	76.7	47.0	130.0	138.9	70.2	1.00	0.41	0.00	R41Y
050	51.9	0.567	0.432	1.312	0.0	0.565	18.8	22.6	29.4	50.2	77.2	45.6	131.6	139.3	70.8	1.00	0.42	0.00	R42Y
051	52.8	0.564	0.434	1.299	0.0	0.557	18.4	22.9	29.4	51.2	77.7	44.4	132.3	139.6	71.4	1.00	0.43	0.00	R43Y
052	53.5	0.562	0.436	1.287	0.0	0.55	18.0	23.2	29.4	52.1	78.2	43.2	133.0	139.9	71.9	1.00	0.45	0.00	R45Y
053	54.2	0.56	0.438	1.276	0.0	0.543	17.7	23.6	29.5	53.1	78.6	42.1	133.6	140.1	72.5	1.00	0.46	0.00	R46Y
054	54.9	0.558	0.44	1.265	0.0	0.537	17.3	23.8	29.5	54.0	79.0	41.0	134.2	140.4	73.0	1.00	0.47	0.00	R47Y
055	55.6	0.555	0.443	1.254	0.0	0.53	16.9	24.2	29.5	54.9	79.4	39.9	134.8	140.6	73.5	1.00	0.49	0.00	R49Y
056	56.4	0.553	0.445	1.243	-0.001	0.524	16.5	24.5	29.5	55.9	79.8	38.7	135.5	140.9	74.0	1.00	0.5	0.00	R50Y
057	57.1	0.551	0.447	1.233	-0.001	0.518	16.1	24.8	29.6	56.9	80.2	37.6	136.1	141.2	74.5	1.00	0.51	0.00	R51Y
058	57.9	0.549	0.449	1.222	-0.001	0.512	15.7	25.1	29.6	57.9	80.7	36.4	136.7	141.4	75.0	1.00	0.53	0.00	R53Y
059	58.6	0.547	0.451	1.211	-0.001	0.507	15.3	25.4	29.7	58.9	81.1	35.3	137.2	141.7	75.5	1.00	0.54	0.00	R54Y
060	59.4	0.545	0.453	1.201	-0.001	0.501	14.9	25.8	29.8	59.9	81.5	34.1	137.8	142.0	76.0	1.00	0.55	0.00	R55Y
061	60.1	0.542	0.455	1.191	-0.001	0.496	14.4	26.1	29.8	60.9	81.9	33.0	138.3	142.2	76.5	1.00	0.57	0.00	R57Y
062	60.7	0.541	0.45																

rgb_{AB} and CIE data of a elementary hue circle relative according to CIE R1-47 for Ostwald colours for CIE illuminant D65																			
Xyz_{AB}, abc_{AB}, ABC_{AB}, LabC_{AB} at_{lab} data for relative spacing of elementary hue h_{AB} of L₁NYAB 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 L₁NYAB, and 90 intended hue angles: 180.0, 181., ..., 269, L₁NYAB 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 7.2 12 (B): 6.4 0.1 -8.2																			
no.	no.	no.	no.	a	b	c	A	B	C	h_{AB}	L*	g*	C*	h_{ab}	rgb_{AB}	Code_{AB}			
no.	no.	no.	no.	a	b	c	A	B	C	h_{AB}	L*	g*	C*	h_{ab}	rgb_{AB}	Code_{AB}			
180	59.2	0.167	0.404	0.415	-0.423	0.535	-31.6	0.7	31.6	178.7	81.4	-101.1	1.5	101.1	179.1	0.00	1.00	0.37	G18B
181	59.1	0.167	0.399	0.419	-0.432	0.531	-31.4	0.1	31.4	179.6	81.4	-100.1	0.4	100.1	179.0	0.00	1.00	0.39	G19B
182	59.1	0.167	0.395	0.423	-0.441	0.527	-31.1	-0.3	31.2	180.6	81.3	-99.2	-0.7	99.2	180.4	0.00	1.00	0.4	G20B
183	59.1	0.167	0.391	0.427	-0.45	0.523	-30.9	-0.8	30.9	181.6	81.3	-98.2	-1.8	98.2	181.0	0.00	1.00	0.42	G21B
184	59.1	0.167	0.387	0.431	-0.459	0.52	-30.7	-1.4	30.7	182.6	81.3	-97.2	-3.0	97.2	181.7	0.00	1.00	0.44	G22B
185	59.1	0.166	0.383	0.434	-0.468	0.516	-30.4	-1.9	30.5	183.6	81.3	-96.2	-4.1	96.3	182.4	0.00	1.00	0.46	G23B
186	59.0	0.166	0.379	0.438	-0.477	0.513	-30.2	-2.4	30.3	184.7	81.3	-95.2	-5.2	95.3	183.1	0.00	1.00	0.48	G24B
187	59.0	0.166	0.375	0.442	-0.486	0.51	-29.9	-3.0	30.1	185.7	81.3	-94.2	-6.3	94.4	183.8	0.00	1.00	0.49	G25B
188	59.0	0.166	0.372	0.445	-0.495	0.507	-29.7	-3.6	29.9	186.7	81.3	-93.2	-7.4	93.5	184.5	0.00	1.00	0.51	G26B
189	59.0	0.166	0.368	0.45	-0.505	0.504	-29.4	-4.1	29.7	187.9	81.3	-92.2	-8.4	92.6	185.2	0.00	1.00	0.53	G27B
190	59.0	0.166	0.364	0.454	-0.514	0.501	-29.2	-4.6	29.6	189.0	81.2	-91.3	-9.5	91.8	185.9	0.00	1.00	0.55	G28B
191	58.9	0.165	0.361	0.458	-0.523	0.499	-28.9	-5.1	29.4	190.1	81.2	-90.3	-10.5	90.9	186.6	0.00	1.00	0.57	G28B
192	58.9	0.165	0.357	0.462	-0.532	0.497	-28.7	-5.6	29.3	191.2	81.2	-89.3	-11.5	90.1	187.3	0.00	1.00	0.58	G29B
193	58.9	0.165	0.354	0.466	-0.541	0.495	-28.5	-6.2	29.1	192.3	81.2	-88.4	-12.5	89.3	188.0	0.00	1.00	0.6	G30B
194	58.9	0.165	0.351	0.47	-0.55	0.493	-28.2	-6.7	29.0	193.4	81.2	-87.4	-13.5	88.5	188.8	0.00	1.00	0.62	G31B
195	58.9	0.165	0.348	0.474	-0.558	0.491	-28.0	-7.2	28.9	194.5	81.2	-86.5	-14.5	87.7	189.5	0.00	1.00	0.64	G32B
196	58.8	0.165	0.345	0.478	-0.563	0.489	-27.8	-7.7	28.8	195.6	81.2	-85.6	-15.5	86.8	190.2	0.00	1.00	0.65	G33B
197	58.8	0.165	0.342	0.482	-0.576	0.488	-27.5	-8.2	28.7	196.7	81.2	-84.7	-16.5	86.3	190.9	0.00	1.00	0.67	G33B
198	58.8	0.164	0.339	0.486	-0.584	0.487	-27.3	-8.7	28.6	197.8	81.2	-83.8	-17.2	85.6	191.6	0.00	1.00	0.69	G34B
199	58.8	0.164	0.336	0.49	-0.593	0.486	-27.0	-9.2	28.6	198.9	81.1	-82.9	-17.8	84.9	192.3	0.00	1.00	0.71	G35B
200	58.8	0.164	0.333	0.493	-0.601	0.485	-26.8	-9.7	28.5	199.9	81.1	-82.1	-19.0	84.2	193.0	0.00	1.00	0.73	G36B
201	58.7	0.164	0.33	0.498	-0.611	0.485	-26.5	-10.3	28.5	201.0	81.1	-81.0	-20.0	83.4	193.9	0.00	1.00	0.74	G37B
202	58.7	0.164	0.326	0.503	-0.622	0.484	-26.2	-10.9	28.4	202.0	81.1	-79.9	-21.1	82.6	194.6	0.00	1.00	0.76	G38B
203	58.6	0.164	0.323	0.507	-0.634	0.484	-25.9	-11.5	28.4	203.0	81.1	-78.8	-22.1	81.9	195.7	0.00	1.00	0.78	G39B
204	58.6	0.163	0.321	0.513	-0.643	0.483	-25.6	-12.1	28.4	204.0	81.1	-77.7	-22.9	81.2	196.8	0.00	1.00	0.79	G40B
205	58.5	0.164	0.317	0.516	-0.652	0.484	-25.3	-12.7	28.4	205.0	81.1	-76.8	-24.1	80.5	197.4	0.00	1.00	0.82	G41B
206	58.5	0.164	0.314	0.521	-0.661	0.485	-25.1	-13.2	28.4	206.0	81.0	-75.9	-25.0	79.9	198.2	0.00	1.00	0.83	G41B
207	58.4	0.164	0.312	0.525	-0.67	0.486	-24.8	-13.7	28.4	208.0	81.0	-75.0	-25.8	79.3	199.0	0.00	1.00	0.85	G42B
208	58.4	0.163	0.309	0.529	-0.679	0.486	-24.6	-14.2	28.4	210.0	80.9	-74.1	-26.7	78.8	199.8	0.00	1.00	0.87	G43B
209	58.4	0.163	0.307	0.532	-0.687	0.487	-24.3	-14.7	28.4	211.0	80.9	-73.3	-27.4	78.2	200.5	0.00	1.00	0.89	G44B
210	58.3	0.163	0.305	0.536	-0.695	0.488	-24.1	-15.1	28.5	212.1	80.9	-72.5	-28.1	77.8	201.2	0.00	1.00	0.91	G45B
211	58.3	0.163	0.303	0.539	-0.702	0.489	-23.9	-15.5	28.5	213.0	80.9	-71.7	-28.8	77.3	201.9	0.00	1.00	0.92	G46B
212	58.1	0.163	0.301	0.543	-0.709	0.49	-23.7	-15.9	28.6	214.0	80.9	-71.0	-29.5	76.8	202.6	0.00	1.00	0.94	G47B
213	58.2	0.163	0.299	0.546	-0.716	0.492	-23.5	-16.3	28.6	214.7	80.9	-70.3	-30.1	76.5	203.1	0.00	1.00	0.96	G48B
214	58.2	0.163	0.298	0.549	-0.722	0.493	-23.3	-16.7	28.7	215.5	80.8	-69.7	-30.6	76.1	203.7	0.00	1.00	0.98	G49B
215	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	0.99	1.00	G50B
216	58.2	0.163	0.295	0.554	-0.733	0.495	-23.0	-17.3	28.8	216.9	80.8	-68.6	-31.6	75.5	204.7	0.00	0.98	1.00	G50B
217	58.2	0.163	0.293	0.557	-0.737	0.496	-22.9	-17.6	28.8	217.5	80.8	-68.1	-32.0	75.2	205.2	0.00	0.96	1.00	G51B
218	58.2	0.163	0.292	0.559	-0.742	0.497	-22.7	-17.8	28.9	218.0	80.8	-67.6	-32.4	75.0	205.6	0.00	0.94	1.00	G52B
219	58.2	0.164	0.291	0.563	-0.746	0.496	-22.5	-18.1	28.9	218.7	80.8	-66.8	-32.8	74.4	206.2	0.00	0.92	1.00	G53B
220	58.1	0.163	0.289	0.567	-0.751	0.497	-22.3	-18.4	28.9	219.4	80.8	-66.1	-33.2	74.0	206.7	0.00	0.91	1.00	G54B
221	56.6	0.161	0.287	0.562	-0.768	0.511	-22.0	-18.8	28.9	220.5	80.0	-66.4	-34.4	74.0	207.4	0.00	0.89	1.00	G55B
222	55.7	0.159	0.284	0.561	-0.78	0.52	-21.6	-19.2	29.0	221.5	79.4	-66.2	-35.3	75.0	208.0	0.00	0.87	1.00	G56B
223	54.8	0.158	0.281	0.56	-0.794	0.529	-21.3	-19.6	29.0	222.6	78.9	-65.9	-36.2	75.3	208.8	0.00	0.85	1.00	G57B
224	53.8	0.156	0.279	0.56	-0.808	0.54	-21.0	-20.0	29.0	223.6	78.3	-65.7	-37.2	75.5	209.5	0.00	0.83	1.00	G58B
225	52.8	0.154	0.276	0.559	-0.823	0.551	-20.6	-20.5	29.1	224.7	77.7	-65.4	-38.2	75.8	210.2	0.00	0.82	1.00	G58B
226	51.8	0.152	0.273	0.558	-0.839	0.562	-20.3	-20.9	29.1	225.7	77.2	-65.2	-39.2	76.1	211.0	0.00	0.8	1.00	G59B
227	50.9	0.15	0.27	0.557	-0.855	0.574	-20.0	-21.3	29.2	226.9	76.6	-64.9	-40.0	76.4	211.8	0.00	0.78	1.00	G59B
228	49.9	0.149	0.267	0.557	-0.871	0.587	-19.6	-21.7	29.3	227.7	76.0	-64.6	-41.2	76.6	212.7	0.00	0.76	1.00	G61B
229	48.9	0.147	0.264	0.557	-0.889	0.6	-19.2	-22.2	29.3	229.1	75.4	-64.1	-42.3	76.8	213.4	0.00	0.74	1.00	G62B
230	48.0	0.146	0.261	0.558	-0.906	0.612	-18.8	-22.6	29.4	230.2	74.8	-63.6	-43.3	76.9	214.2	0.00	0.73	1.00	G63B
231	47.1	0.144	0.258	0.559	-0.922	0.624	-18.4	-22.9	29.4	231.2	74.3	-63.0	-44.2	76.9	215.0	0.00	0.71	1.00	G64B
232	46.4	0.143	0.256	0.561	-0.937	0.635	-18.0	-23.2	29.4	232.1	73.8	-62.3	-45.0	76.9	215.8	0.00	0.69	1.00	G65B
233	45.7	0.142	0.253	0.563	-0.951	0.645	-17.7	-23.6	29.5	233.1	73.3	-61.6	-45.8	76.8	216.6	0.00	0.67	1.00	G66B
234	45.0	0.141	0.251	0.565	-0.966	0.655	-17.3	-23.8	29.5	234.0	72.9	-60.9	-46.6	76.7	217.4	0.00	0.65	1.00	G67B
235	44.3	0.141	0.248	0.567	-0.981	0.667	-16.9	-24.2	29.5	234.9	72.4	-60.1	-47.4	76.6	218.2	0.00	0.64	1.00	G67B
236	43.5	0.14	0.245	0.57	-0.998	0.679	-16.5	-24.5	29.5	235.9	71.9	-59.3	-48.3	76.5	219.1	0.00	0.62	1.00	G68B
237	42.8	0.139	0.243	0.572	-1.016	0.692	-16.1	-24.8	29.6	236.9	71.4	-58.5	-49.1	76.4	220.0	0.00	0.6	1.00	G69B
238	42.0	0.138	0.24	0.575	-1.034	0.706	-15.7	-25.1	29.6	237.9	70.9	-57.6	-50.0	76.3	220.9	0.00	0.58	1.00	G70B
239	41.3	0.137	0.237	0.579	-1.052	0.72	-15.3	-25.4	29.7	238.9	70.4	-56.6	-50.9	76.1	221.9	0.00	0.56	1.00	G71B
240	40.5	0.136	0.234	0.582	-1.071	0.734	-14.9	-25.8	29.8	239.9	69.8	-55.6	-51.8	76.0	222.9	0.00	0.55	1.00	G72B
241	39.8	0.135	0																

rgb_{AB} and CIE data of a elementary hue circle according to CIE R1-47 for Ostwald colours for CIE illuminant D65
Yxy_{AB} ABC_{AB} ABC_{AB} LabC_{AB} at_{lab} data for relative spacing of elementary hue h_{AB} of L_{IN}YAB 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 L_{IN}YAB, and 90 intended hue angles:
27.0, 27.1, ..., 360, L_{IN}YAB 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	z	a	b	c	test	A	B	C _{AB}	h _{AB}	L*	a*	b*	C _{AB}	h _{AB}	rgb _{AB}	Code _{AB}	
270	19.2	0.127	0.132	0.963	-2.244	1.809	0.2	-34.7	34.7	270.4	50.9	1.2	-83.9	83.9	270.8	0.00	0.01	1.00	% G99B
271	18.6	0.127	0.128	0.99	-2.316	1.881	0.7	-35.0	35.1	271.2	50.2	4.0	-85.1	85.2	272.6	0.00	0.00	1.00	% B00R
272	18.0	0.127	0.125	1.019	-2.389	1.954	1.2	-35.2	35.2	272.0	49.5	6.6	-86.2	86.5	274.4	0.02	0.02	1.00	% B01R
273	17.1	0.127	0.119	1.066	-2.512	2.028	1.9	-35.5	35.6	273.2	48.4	10.8	-88.1	88.8	277.0	0.04	0.04	1.00	% B02R
274	16.3	0.128	0.115	1.111	-2.627	2.107	2.6	-35.8	35.9	274.2	47.4	14.6	-89.7	90.9	279.2	0.05	0.05	1.00	% B02R
275	15.7	0.128	0.111	1.156	-2.736	2.309	3.2	-36.1	36.2	275.1	46.6	18.2	-91.1	93.0	281.3	0.07	0.07	1.00	% B03R
276	15.0	0.129	0.107	1.205	-2.85	2.428	3.8	-36.3	36.6	276.0	45.7	21.9	-92.6	95.1	283.3	0.09	0.09	1.00	% B04R
277	14.3	0.129	0.102	1.264	-2.989	2.573	4.5	-36.6	36.8	277.0	44.7	26.1	-94.2	97.7	285.5	0.11	0.11	1.00	% B05R
278	13.5	0.127	0.105	1.337	-3.13	2.741	5.2	-37.0	37.2	278.0	43.7	30.3	-95.9	100.0	288.0	0.13	0.13	1.00	% B06R
279	12.7	0.131	0.092	1.411	-3.349	2.951	5.9	-37.1	37.6	279.1	42.3	36.0	-97.9	104.3	290.1	0.15	0.10	1.00	% B07R
280	11.9	0.132	0.087	1.513	-3.567	3.182	6.7	-37.3	37.9	280.2	41.1	41.3	-99.9	108.1	292.4	0.17	0.10	1.00	% B08R
281	11.1	0.133	0.082	1.619	-3.809	3.44	7.4	-37.6	38.3	281.2	39.8	46.7	-102.0	112.2	294.6	0.19	0.10	1.00	% B09R
282	10.3	0.134	0.077	1.734	-4.075	3.723	8.1	-37.8	38.7	282.1	38.5	52.1	-104.0	116.4	296.6	0.2	0.00	1.00	% B10R
283	9.6	0.135	0.072	1.858	-4.357	4.025	8.8	-38.0	39.0	283.0	37.3	57.5	-106.0	120.6	298.4	0.22	0.00	1.00	% B11R
284	8.7	0.136	0.066	2.068	-4.831	4.535	9.7	-38.2	39.4	284.2	35.4	65.5	-109.0	127.2	301.0	0.24	0.00	1.00	% B12R
285	7.9	0.137	0.061	2.255	-5.235	4.973	10.7	-38.3	39.8	285.3	33.9	71.7	-111.1	132.3	303.8	0.26	0.00	1.00	% B13R
286	7.6	0.152	0.052	2.888	-6.007	5.707	13.0	-38.6	40.2	286.5	32.0	80.9	-113.6	138.9	307.0	0.27	0.00	1.00	% B14R
287	5.6	0.128	0.045	3.248	-7.295	7.117	10.7	-38.7	40.0	285.4	28.5	84.7	-119.6	146.5	305.3	0.3	0.00	1.00	% B15R
288	6.3	0.144	0.05	2.887	-6.421	6.291	12.3	-38.2	40.2	287.9	30.4	89.6	-116.1	146.6	307.6	0.32	0.00	1.00	% B16R
289	6.7	0.15	0.052	2.866	-6.055	5.937	12.9	-38.1	40.2	288.8	31.3	90.6	-114.5	146.0	308.3	0.34	0.00	1.00	% B17R
290	7.1	0.157	0.055	2.846	-5.713	5.607	13.6	-37.9	40.2	289.7	32.2	91.7	-112.8	145.4	309.0	0.35	0.00	1.00	% B17R
291	7.6	0.163	0.057	2.826	-5.395	5.302	14.2	-37.6	40.3	290.7	33.1	92.7	-118.2	144.8	308.9	0.37	0.00	1.00	% B18R
292	8.0	0.169	0.06	2.807	-5.099	5.02	14.9	-37.4	40.3	291.7	34.0	93.7	-109.6	144.2	310.5	0.39	0.00	1.00	% B19R
293	8.4	0.175	0.063	2.788	-4.826	4.76	15.6	-37.2	40.3	293.7	34.9	94.7	-108.0	143.7	312.2	0.42	0.00	1.00	% B20R
294	8.9	0.165	0.065	2.855	-4.613	4.517	16.3	-37.0	40.2	292.7	35.8	95.8	-105.9	143.0	313.9	0.43	0.00	1.00	% B21R
295	9.4	0.188	0.068	2.753	-4.338	4.298	16.9	-36.7	40.5	294.7	36.8	96.7	-104.8	142.6	312.7	0.45	0.00	1.00	% B22R
296	9.9	0.194	0.071	2.736	-4.12	4.095	17.7	-36.5	40.6	295.8	37.7	97.7	-103.2	142.1	313.4	0.47	0.00	1.00	% B23R
297	10.4	0.201	0.073	2.72	-3.919	3.907	18.4	-36.3	40.7	296.9	38.6	98.7	-101.6	141.6	314.1	0.48	0.00	1.00	% B24R
298	10.9	0.207	0.076	2.704	-3.733	3.735	19.1	-36.0	40.8	298.0	39.4	99.6	-100.0	141.2	314.8	0.5	0.00	1.00	% B25R
299	11.4	0.213	0.079	2.689	-3.56	3.576	19.9	-35.8	40.9	299.0	40.3	100.6	-98.5	140.8	315.6	0.52	0.00	1.00	% B26R
300	11.9	0.219	0.082	2.675	-3.4	3.429	20.6	-35.5	41.1	300.1	41.2	101.5	-96.9	140.4	316.3	0.54	0.00	1.00	% B27R
301	12.5	0.225	0.084	2.661	-3.251	3.294	21.4	-35.2	41.2	301.2	42.0	102.4	-95.4	140.0	316.9	0.56	0.00	1.00	% B28R
302	13.0	0.231	0.087	2.647	-3.113	3.17	22.1	-35.0	41.4	302.3	42.8	103.2	-94.0	139.6	317.5	0.58	0.00	1.00	% B29R
303	13.6	0.237	0.09	2.634	-2.985	3.055	22.9	-34.7	41.6	303.4	43.7	104.1	-92.5	139.3	318.3	0.6	0.00	1.00	% B30R
304	14.1	0.243	0.092	2.622	-2.865	2.949	23.7	-34.4	41.8	304.5	44.5	104.9	-91.1	138.9	319.0	0.62	0.00	1.00	% B31R
305	14.7	0.248	0.095	2.61	-2.754	2.851	24.4	-34.1	42.0	305.4	45.3	105.7	-89.7	138.6	319.6	0.63	0.00	1.00	% B31R
306	15.3	0.254	0.097	2.598	-2.65	2.761	25.2	-33.9	42.2	306.6	46.0	106.5	-88.3	138.3	320.3	0.65	0.00	1.00	% B32R
307	15.8	0.259	0.1	2.586	-2.554	2.677	25.9	-33.8	42.5	307.6	46.8	107.2	-86.9	138.0	320.9	0.67	0.00	1.00	% B33R
308	16.4	0.264	0.102	2.575	-2.464	2.599	26.7	-33.3	42.7	308.7	47.5	107.9	-85.6	137.8	321.5	0.69	0.00	1.00	% B34R
309	17.0	0.269	0.105	2.565	-2.379	2.527	27.4	-33.0	43.0	309.7	48.2	108.6	-84.3	137.5	322.1	0.71	0.00	1.00	% B35R
310	17.7	0.274	0.107	2.556	-2.301	2.464	28.1	-32.7	43.3	310.8	49.0	109.2	-83.1	137.2	322.7	0.73	0.00	1.00	% B36R
311	18.1	0.279	0.109	2.544	-2.227	2.398	28.9	-32.5	43.5	311.6	49.6	109.9	-81.8	137.0	323.3	0.75	0.00	1.00	% B37R
312	18.7	0.283	0.111	2.534	-2.158	2.34	29.6	-32.2	43.8	312.5	50.3	110.5	-80.6	136.8	323.9	0.77	0.00	1.00	% B38R
313	19.2	0.288	0.114	2.524	-2.093	2.286	30.3	-31.9	44.0	313.5	51.0	111.1	-79.4	136.6	324.4	0.78	0.00	1.00	% B39R
314	19.8	0.292	0.116	2.515	-2.033	2.236	31.0	-31.7	44.3	314.4	51.6	111.7	-78.2	136.4	324.9	0.8	0.00	1.00	% B40R
315	20.3	0.296	0.118	2.505	-1.976	2.189	31.7	-31.4	44.6	315.2	52.2	112.2	-77.1	136.2	325.4	0.82	0.00	1.00	% B41R
316	20.9	0.3	0.12	2.496	-1.923	2.145	32.3	-31.1	44.9	316.1	52.8	112.7	-76.0	136.0	325.9	0.84	0.00	1.00	% B42R
317	21.8	0.306	0.123	2.474	-1.841	2.107	33.2	-30.7	45.2	317.2	53.8	113.3	-74.7	135.2	326.6	0.86	0.00	1.00	% B43R
318	22.8	0.313	0.128	2.436	-1.736	1.974	34.3	-30.0	45.6	318.5	55.1	113.9	-73.1	134.9	327.5	0.88	0.00	1.00	% B44R
319	24.2	0.319	0.133	2.399	-1.646	1.888	35.1	-29.4	45.8	320.1	56.3	112.7	-69.5	135.5	328.9	0.9	0.00	1.00	% B45R
320	25.3	0.324	0.137	2.363	-1.57	1.812	35.8	-28.7	45.9	322.2	57.4	112.3	-67.5	131.0	328.9	0.91	0.00	1.00	% B45R
321	26.4	0.328	0.141	2.328	-1.504	1.744	36.4	-28.2	46.0	321.2	58.4	111.6	-65.6	129.5	329.5	0.93	0.00	1.00	% B46R
322	27.3	0.332	0.144	2.295	-1.446	1.682	36.8	-27.6	46.0	323.0	59.3	110.9	-63.8	127.9	330.0	0.95	0.00	1.00	% B47R
323	28.2	0.335	0.148	2.263	-1.395	1.626	37.1	-27.1	45.9	323.8	60.1	110.0	-62.2	126.4	330.5	0.97	0.00	1.00	% B48R
324	29.1	0.337	0.151	2.232	-1.35	1.575	37.3	-26.6	45.8	324.4	60.8	109.1	-60.7	124.8	330.9	1.00	0.00	1.00	% B49R
325	29.8	0.34	0.154	2.203	-1.31	1.528	37.4	-26.1	45.6	325.0	61.5	108.1	-59.3	123.3	331.2	1.00	0.00	0.98	% B50R
326	31.1	0.344	0.159	2.165	-1.248	1.462	38.0	-25.5	45.5	326.2	62.6	107.0	-57.5	121.2	331.9	1.00	0.00	0.96	% B51R
327	32.3	0.348	0.163	2.129	-1.192	1.4	38.1	-24.4	45.2	327.3	63.6	105.8	-56.7	119.1	332.6	1.00	0.00	0.94	% B52R
328	33.3	0.351	0.167	2.097	-1.144	1.348	38.2	-23.6	44.9	328.2	64.4	104.6	-52.7	117.2	333.2	1.00	0.00	0.93	% B53R
329	34.2	0.354	0.171	2.068	-1.104	1.303	38.3	-22.9	44.6	329.1	65.1	103.5	-50.8	115.3	333.8	1.00	0.00	0.91	% B54R
330	35.1	0.357	0.175	2.042	-1.066	1.261	38.3	-22.1	44.2	329.9	65.8	102.4	-49.0	113.5	334.4	1.00	0.00	0.89	% B55R
331	35.9	0.36	0.178	2.017	-1.029	1.221	38.3	-21.3	43.9	33									

Oswald 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	0.0	0.01	0.9481	-0.4293	0.0			%
Oswald optimal colours (o) of maximum (m) C_{AB} for D65, $Y_{w,10}=100$, $Y_m=770_520$, 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	%	
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	0.0	0.01	0.9481	-0.4293	0.0			%

rgb_{cab} and CIE data of a elementary hue circle according to CIE R1-47 for Ostwald colours for CIE illuminant D65

X_{xy}, Y_{xy}, Z_{xy}, ABC_{AB}, ABC_{AB}, LabC_{ab}, h_{ab} data for relative spacing of elementary hues h_{AB} of L_{IN}YAB 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 L_{IN}YAB, and 90, 30, 120 (B) hues: 7.8 -1.2 -7.2

000, 001, ..., 089, 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 -6.6 30.0, 12 (B): 7.8 -1.2 -7.2																				
no.	no.	X ₁₀	Y ₁₀	Z ₁₀	a ₁₀	b ₁₀	c _{AB}	A ₁₀	B ₁₀	C _{AB}	h _{AB}	L* ₁₀	a* ₁₀	b* ₁₀	C _{AB}	h _{AB}	rgb _{AB}	Code		
000	40.0	0.434	0.252	1.724	-0.497	0.779	31.0	-2.7	31.1	354.9	69.5	81.2	-7.3	81.6	354.7	1.00	0.00	0.36	B61R	
001	40.0	0.436	0.253	1.719	-0.487	0.773	30.8	-2.7	30.9	355.7	69.5	80.8	-6.3	81.1	355.5	1.00	0.00	0.34	B62R	
002	40.0	0.439	0.256	1.714	-0.476	0.768	30.7	-1.8	30.7	356.4	69.5	80.4	-5.2	80.6	356.3	1.00	0.00	0.32	B63R	
003	40.0	0.441	0.258	1.709	-0.465	0.762	30.5	-1.4	30.5	357.2	69.5	80.0	-4.0	80.1	357.1	1.00	0.00	0.3	B64R	
004	40.1	0.443	0.26	1.704	-0.454	0.757	30.3	-1.0	30.3	358.1	69.5	79.6	-2.8	79.6	357.9	1.00	0.00	0.28	B65R	
005	40.1	0.446	0.262	1.699	-0.442	0.751	30.1	-0.5	30.1	358.9	69.5	79.1	-1.5	79.1	358.8	1.00	0.00	0.26	B66R	
006	40.1	0.449	0.265	1.694	-0.431	0.745	29.9	0.0	29.9	359.8	69.5	78.7	-0.2	78.7	359.8	1.00	0.00	0.24	B67R	
007	40.1	0.451	0.267	1.688	-0.419	0.739	29.7	0.4	29.7	0.7	69.6	78.2	1.1	78.2	0.8	1.00	0.00	0.22	B68R	
008	40.2	0.454	0.270	1.683	-0.406	0.733	29.5	0.8	29.5	0.9	69.5	77.7	2.0	77.7	0.9	1.00	0.00	0.04	B69R	
009	40.2	0.457	0.272	1.676	-0.394	0.729	29.3	1.3	29.3	2.7	69.6	77.2	4.0	77.3	3.0	1.00	0.00	0.18	B90R	
010	40.2	0.46	0.275	1.67	-0.382	0.724	29.1	1.9	29.1	3.7	69.6	76.7	5.6	76.7	5.6	4.1	1.00	0.00	0.16	B91R
011	40.3	0.463	0.278	1.664	-0.369	0.719	28.8	2.4	28.9	4.7	69.6	76.2	7.2	76.5	5.4	1.00	0.00	0.14	B92R	
012	40.3	0.467	0.281	1.658	-0.356	0.714	28.6	2.9	28.8	5.8	69.7	75.6	8.8	76.2	6.7	1.00	0.00	0.12	B93R	
013	40.3	0.47	0.284	1.652	-0.343	0.709	28.4	3.4	28.6	6.9	69.7	75.1	10.6	75.8	8.0	1.00	0.00	0.1	B94R	
014	40.4	0.474	0.288	1.645	-0.33	0.704	28.1	4.0	28.4	8.0	69.7	74.5	12.3	75.6	9.4	1.00	0.00	0.08	B95R	
015	40.4	0.477	0.291	1.639	-0.316	0.7	27.9	4.5	28.3	9.2	69.8	74.0	14.2	75.3	10.8	1.00	0.00	0.06	B96R	
016	40.4	0.48	0.294	1.633	-0.299	0.695	27.7	5.0	28.2	10.4	69.8	73.4	16.1	75.0	12.3	1.00	0.00	0.04	B97R	
017	40.5	0.485	0.298	1.625	-0.29	0.691	27.4	5.6	28.0	11.6	69.8	72.8	18.1	75.0	13.9	1.00	0.00	0.02	B98R	
018	40.6	0.489	0.302	1.618	-0.276	0.687	27.2	6.2	27.9	12.8	69.9	72.2	20.1	75.0	15.6	1.00	0.00	0.0	B99R	
019	40.6	0.493	0.305	1.611	-0.263	0.684	27.0	6.7	27.8	14.0	69.9	71.6	22.3	75.0	17.2	1.00	0.01	0.00	R01Y	
020	40.7	0.497	0.309	1.605	-0.249	0.681	26.7	7.3	27.7	15.3	70.0	71.0	24.5	75.2	19.0	1.00	0.02	0.00	R02Y	
021	40.8	0.501	0.313	1.598	-0.235	0.678	26.5	7.8	27.6	16.5	70.0	70.4	26.8	75.4	20.8	1.00	0.04	0.00	R04Y	
022	40.8	0.505	0.317	1.591	-0.222	0.675	26.2	8.4	27.5	17.8	70.0	69.8	29.2	75.7	22.6	1.00	0.05	0.00	R05Y	
023	40.9	0.509	0.321	1.583	-0.208	0.673	26.0	9.0	27.5	19.1	70.1	69.2	31.7	76.1	24.6	1.00	0.06	0.00	R06Y	
024	9	0.514	0.325	1.576	-0.195	0.669	25.8	9.6	27.5	20.4	70.1	68.6	34.3	76.4	26.7	1.00	0.08	0.00	R07Y	
025	41.0	0.519	0.33	1.569	-0.181	0.669	25.5	10.1	27.4	21.7	70.2	68.0	37.0	77.4	28.5	1.00	0.09	0.00	R09Y	
026	41.1	0.523	0.335	1.562	-0.168	0.667	25.2	10.7	27.4	23.0	70.2	67.3	39.8	78.2	30.6	1.00	0.11	0.00	R11Y	
027	41.2	0.528	0.339	1.555	-0.155	0.666	25.0	11.3	27.4	24.3	70.3	66.7	42.8	79.3	32.6	1.00	0.12	0.00	R12Y	
028	41.2	0.533	0.344	1.548	-0.141	0.665	24.7	11.8	27.4	25.6	70.3	66.1	45.9	80.5	34.8	1.00	0.14	0.00	R14Y	
029	41.3	0.538	0.349	1.541	-0.128	0.664	24.5	12.4	27.5	26.8	70.4	65.4	49.2	81.9	36.9	1.00	0.15	0.00	R15Y	
030	41.4	0.543	0.354	1.533	-0.115	0.664	24.2	13.0	27.5	28.1	70.4	64.8	52.7	83.6	39.1	1.00	0.17	0.00	R17Y	
031	41.5	0.548	0.359	1.526	-0.102	0.664	24.0	13.5	27.6	29.4	70.5	64.2	56.5	85.5	41.3	1.00	0.18	0.00	R18Y	
032	41.6	0.553	0.364	1.519	-0.089	0.664	23.7	14.1	27.6	30.7	70.6	63.6	60.3	87.2	43.5	1.00	0.2	0.00	R20Y	
033	41.7	0.558	0.369	1.512	-0.077	0.665	23.5	14.6	27.7	31.9	70.6	62.9	64.9	90.4	45.8	1.00	0.22	0.00	R21Y	
034	41.8	0.564	0.374	1.505	-0.065	0.665	23.3	15.2	27.8	33.1	70.7	62.3	69.7	93.5	48.2	1.00	0.23	0.00	R23Y	
035	41.9	0.569	0.38	1.498	-0.053	0.666	23.0	15.7	27.9	34.3	70.8	61.6	75.0	97.1	50.5	1.00	0.24	0.00	R24Y	
036	41.9	0.574	0.385	1.491	-0.041	0.667	22.8	16.3	28.0	35.5	70.8	61.0	81.1	101.5	53.0	1.00	0.26	0.00	R26Y	
037	42.0	0.58	0.39	1.484	-0.029	0.669	22.5	16.8	28.1	36.6	70.9	60.4	88.4	107.1	55.6	1.00	0.27	0.00	R27Y	
038	42.2	0.585	0.396	1.477	-0.017	0.67	22.3	17.3	28.3	37.8	71.0	59.7	97.8	114.6	58.5	1.00	0.29	0.00	R29Y	
039	42.3	0.591	0.401	1.471	-0.006	0.672	22.1	17.8	28.4	38.9	71.0	59.1	111.4	126.1	62.0	1.00	0.3	0.00	R30Y	
040	42.4	0.597	0.409	1.465	0.007	0.673	21.9	18.3	28.5	40.1	71.1	58.4	123.2	137.6	65.0	1.00	0.31	0.00	R31Y	
041	43.5	0.602	0.419	1.435	0.02	0.663	21.2	19.5	28.8	42.7	71.9	56.2	159.4	169.0	70.5	1.00	0.33	0.00	R33Y	
042	44.4	0.604	0.426	1.416	0.029	0.655	20.7	20.3	29.0	44.4	72.5	54.5	172.2	183.5	72.7	1.00	0.34	0.00	R34Y	
043	45.3	0.603	0.431	1.397	0.032	0.644	20.4	20.9	29.2	45.5	73.1	53.0	183.4	190.9	73.8	1.00	0.36	0.00	R36Y	
044	46.3	0.6	0.434	1.381	0.032	0.633	20.0	21.3	29.3	46.7	73.7	51.7	184.9	192.0	74.3	1.00	0.37	0.00	R37Y	
045	47.3	0.595	0.435	1.366	0.028	0.62	19.8	21.6	29.3	47.5	74.3	50.5	180.9	187.8	74.4	1.00	0.39	0.00	R39Y	
046	48.2	0.589	0.435	1.353	0.022	0.607	19.5	21.8	29.3	48.1	75.0	49.4	172.5	179.5	74.0	1.00	0.4	0.00	R40Y	
047	49.2	0.582	0.434	1.341	0.015	0.594	19.3	21.9	29.2	48.5	75.6	48.4	160.8	167.9	73.7	1.00	0.42	0.00	R42Y	
048	50.2	0.575	0.432	1.331	0.007	0.581	19.2	21.9	29.1	48.7	76.2	47.5	146.8	154.3	73.0	1.00	0.43	0.00	R43Y	
049	51.1	0.569	0.43	1.321	0.0	0.568	19.0	21.9	29.0	49.0	76.7	46.7	132.1	140.1	70.5	1.00	0.45	0.00	R45Y	
050	52.1	0.566	0.433	1.306	0.0	0.559	18.8	22.3	29.1	50.1	77.3	45.3	130.3	140.6	71.1	1.00	0.46	0.00	R46Y	
051	53.0	0.563	0.436	1.292	0.0	0.55	18.2	22.7	29.2	51.2	77.9	44.0	134.0	141.0	71.7	1.00	0.48	0.00	R48Y	
052	53.8	0.561	0.438	1.281	0.0	0.543	17.9	23.1	29.2	52.1	78.3	42.9	134.7	141.4	72.3	1.00	0.49	0.00	R49Y	
053	54.6	0.559	0.44	1.269	0.0	0.536	17.5	23.4	29.2	53.1	78.8	41.8	135.4	141.7	72.8	1.00	0.51	0.00	R51Y	
054	55.3	0.557	0.442	1.259	0.0	0.53	17.2	23.7	29.3	54.0	79.2	40.7	135.9	141.9	73.3	1.00	0.52	0.00	R52Y	
055	56.0	0.555	0.444	1.248	0.0	0.523	16.8	24.0	29.3	54.9	79.6	39.6	136.6	142.2	73.8	1.00	0.53	0.00	R53Y	
056	56.8	0.552	0.446	1.237	0.0	0.517	16.4	24.4	29.4	55.9	80.0	38.4	137.2	142.5	74.3	1.00	0.55	0.00	R55Y	
057	57.5	0.55	0.448	1.227	0.0	0.511	16.0	24.7	29.4	56.9	80.5	37.3	137.8	142.8	74.8	1.00	0.56	0.00	R56Y	
058	58.3	0.548	0.45	1.216	0.0	0.505	15.6	25.0	29.5	57.9	80.9	36.1	138.4	143.1	75.3	1.00	0.58	0.00	R58Y	
059	59.1	0.546	0.453	1.205	0.0	0.5	15.2	25.3	29.5	58.9	81.3	35.0	139.0	143.4	75.8	1.00	0.59	0.00	R59Y	
060	59.8	0.544	0.455	1.195	0.0	0.495	14.8	25.6	29.6	59.9	81.7	33.8	139.6	143.6	76.3	1.00	0.61	0.00	R61Y	
061	60.4	0.542	0.456	1.189	0.0	0.491	14.5	25.9	29.7	60.6	82.0	33.1	140.1	143.9	76.6	1.00	0.62	0.00	R62Y	
062	60.9	0.541	0.457																	

rgb_{ABC} and CIE data of a elementary hue circle according to CIE R1-47 for Ostwald colours for CIE illuminant D65
Xyz, rgb_{ABC}, ABC_{AB}, LabC_{ab}, r_{ab} data for relative spacing of elementary hue **r_{AB}** of **LINYAB** for CIE 10 degree observer
Elementary hue circle with 4 intended elementary hue 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 (B): 7.8 - 1.2 - 7.2

no.	AB ₁₀	x ₁₀	y ₁₀	z ₁₀	b ₁₀	c ₁₀	A ₁₀	B ₁₀	C _{AB,10}	H _{AB,10}	L* ₁₀	a* ₁₀	b* ₁₀	C _{ab,10}	r _{ab,10}	rgb _{ABC,10}	Code	AB ₁₀	
090	80.8	0.481	0.509	0.946	-0.007	0.422	-0.1	34.1	34.1	90.1	92.0	-0.2	138.8	138.8	90.0	0.94	1.00	0.00	Y05G
091	81.5	0.479	0.51	0.938	-0.007	0.421	-0.7	34.4	91.3	92.4	-1.5	137.5	137.5	90.6	0.93	1.00	0.00	Y06G	
092	82.3	0.476	0.512	0.93	-0.008	0.421	-1.4	34.6	34.6	92.4	92.7	-2.9	136.3	136.3	91.2	0.91	1.00	0.00	Y08G
093	83.1	0.473	0.513	0.922	-0.009	0.42	-2.1	34.8	34.9	93.4	93.0	-4.2	135.1	135.1	91.8	0.9	1.00	0.00	Y09G
094	83.8	0.471	0.515	0.914	-0.01	0.42	-2.7	35.1	35.2	94.5	93.3	-5.5	134.1	134.2	92.3	0.88	1.00	0.00	Y11G
095	84.5	0.468	0.516	0.907	-0.011	0.42	-3.4	35.3	35.5	95.5	93.6	-6.8	133.1	133.3	92.9	0.87	1.00	0.00	Y12G
096	85.2	0.466	0.518	0.9	-0.011	0.42	-4.0	35.5	35.8	96.5	93.9	-8.0	132.3	132.5	93.4	0.86	1.00	0.00	Y13G
097	85.9	0.464	0.519	0.893	-0.012	0.42	-4.6	35.8	36.1	97.4	94.2	-9.2	131.3	131.8	94.0	0.84	1.00	0.00	Y15G
098	86.7	0.462	0.52	0.887	-0.013	0.42	-5.2	36.1	36.3	98.4	95.0	-10.3	130.3	130.6	94.7	0.83	1.00	0.00	Y16G
099	87.0	0.46	0.521	0.882	-0.013	0.42	-5.7	36.1	36.6	98.9	94.7	-11.2	130.3	130.7	94.9	0.81	1.00	0.00	Y18G
100	87.6	0.458	0.522	0.876	-0.014	0.42	-6.2	36.3	36.8	99.7	95.0	-12.2	129.1	129.7	95.4	0.8	1.00	0.00	Y19G
101	88.4	0.454	0.523	0.869	-0.016	0.42	-6.9	36.4	37.1	100.8	95.3	-13.6	128.8	127.6	96.1	0.78	1.00	0.00	Y21G
102	89.4	0.451	0.522	0.862	-0.019	0.418	-7.6	36.6	37.3	101.7	95.7	-14.9	126.3	124.2	96.8	0.77	1.00	0.00	Y22G
103	90.5	0.448	0.52	0.86	-0.023	0.414	-7.9	36.7	37.5	102.1	96.2	-15.3	119.5	120.5	97.3	0.76	1.00	0.00	Y23G
104	91.5	0.444	0.519	0.856	-0.028	0.411	-8.3	36.7	37.6	102.8	96.6	-16.1	115.9	117.0	97.9	0.74	1.00	0.00	Y25G
105	92.2	0.44	0.518	0.848	-0.031	0.409	-9.1	36.6	37.7	104.0	96.9	-17.5	112.7	114.1	98.8	0.73	1.00	0.00	Y26G
106	93.0	0.437	0.519	0.84	-0.035	0.407	-9.8	36.3	37.8	105.8	96.8	-19.0	109.3	110.4	100.0	0.71	1.00	0.00	Y28G
107	92.0	0.432	0.521	0.829	-0.035	0.411	-10.9	36.2	37.8	106.8	96.8	-21.2	102.7	114.4	100.9	0.7	1.00	0.00	Y29G
108	91.7	0.43	0.522	0.823	-0.036	0.412	-11.4	36.0	37.8	107.6	96.7	-22.3	109.1	111.3	101.5	0.68	1.00	0.00	Y31G
109	91.4	0.428	0.524	0.816	-0.036	0.414	-12.0	35.9	37.8	108.5	96.5	-23.5	108.8	111.3	102.2	0.67	1.00	0.00	Y32G
110	91.0	0.425	0.526	0.809	-0.036	0.416	-12.6	35.7	37.9	109.4	96.4	-24.8	108.5	111.3	102.9	0.66	1.00	0.00	Y33G
111	90.6	0.423	0.527	0.802	-0.036	0.418	-13.2	35.5	37.9	110.3	96.2	-26.1	108.2	111.3	103.5	0.64	1.00	0.00	Y35G
112	90.2	0.421	0.529	0.794	-0.036	0.421	-13.8	35.4	38.0	111.3	96.0	-27.5	107.7	111.3	104.3	0.63	1.00	0.00	Y36G
113	89.7	0.418	0.531	0.787	-0.037	0.424	-14.5	35.3	38.0	112.3	95.9	-29.0	107.6	111.4	105.0	0.61	1.00	0.00	Y37G
114	89.3	0.417	0.532	0.779	-0.037	0.427	-15.0	35.0	38.1	113.4	95.8	-30.4	107.3	111.4	105.7	0.6	1.00	0.00	Y39G
115	88.8	0.413	0.536	0.77	-0.037	0.43	-15.7	34.8	38.2	114.3	95.5	-32.0	107.0	111.7	106.6	0.58	1.00	0.00	Y41G
116	88.3	0.41	0.538	0.762	-0.037	0.433	-16.4	34.6	38.2	115.3	95.3	-33.6	106.7	111.8	107.4	0.57	1.00	0.00	Y42G
117	87.7	0.407	0.541	0.753	-0.037	0.437	-17.0	34.3	38.3	116.4	95.0	-35.2	106.3	112.0	108.3	0.56	1.00	0.00	Y43G
118	87.2	0.404	0.543	0.744	-0.037	0.441	-17.7	34.1	38.4	117.4	94.8	-36.9	106.0	112.2	109.2	0.54	1.00	0.00	Y45G
119	86.6	0.401	0.546	0.735	-0.038	0.445	-18.4	33.9	38.6	118.5	94.6	-38.7	105.6	112.5	110.1	0.53	1.00	0.00	Y46G
120	86.0	0.398	0.549	0.725	-0.038	0.449	-19.1	33.6	38.7	119.6	94.3	-40.5	105.2	112.8	111.0	0.51	1.00	0.00	Y48G
121	85.4	0.395	0.551	0.716	-0.038	0.454	-19.8	33.4	38.8	120.6	94.1	-42.3	104.8	113.1	111.9	0.5	1.00	0.00	Y49G
122	84.8	0.392	0.554	0.706	-0.038	0.459	-20.5	33.3	38.9	121.7	93.9	-44.2	104.3	113.4	112.6	0.48	1.00	0.00	Y51G
123	84.2	0.388	0.557	0.696	-0.038	0.464	-21.2	33.2	39.1	122.8	93.5	-46.1	103.9	113.7	113.9	0.47	1.00	0.00	Y52G
124	83.6	0.384	0.56	0.686	-0.039	0.469	-21.9	32.6	39.2	123.8	93.2	-48.1	103.5	114.1	114.9	0.46	1.00	0.00	Y53G
125	82.9	0.38	0.563	0.675	-0.039	0.475	-22.5	32.3	39.4	124.9	93.0	-50.1	103.0	114.5	115.9	0.44	1.00	0.00	Y55G
126	82.3	0.376	0.566	0.665	-0.039	0.481	-23.2	32.0	39.6	125.9	92.7	-52.1	102.4	114.9	116.9	0.43	1.00	0.00	Y56G
127	81.6	0.372	0.569	0.654	-0.04	0.487	-23.9	31.7	39.7	127.0	92.4	-54.3	101.7	115.2	118.1	0.41	1.00	0.00	Y58G
128	80.7	0.367	0.572	0.642	-0.041	0.493	-24.6	31.3	39.8	128.2	92.0	-56.6	100.6	115.4	119.3	0.4	1.00	0.00	Y59G
129	79.9	0.362	0.575	0.63	-0.042	0.5	-25.4	30.9	40.0	129.4	91.6	-59.0	99.5	115.7	120.6	0.38	1.00	0.00	Y61G
130	79.3	0.359	0.578	0.62	-0.043	0.507	-26.1	30.7	40.1	130.5	91.4	-61.4	99.1	115.9	121.8	0.37	1.00	0.00	Y62G
131	78.3	0.352	0.581	0.606	-0.045	0.514	-26.7	30.0	40.2	131.6	90.9	-63.8	97.9	116.2	123.2	0.36	1.00	0.00	Y63G
132	77.4	0.347	0.584	0.594	-0.046	0.521	-27.4	29.6	40.3	132.7	90.5	-66.2	96.0	116.6	124.6	0.34	1.00	0.00	Y65G
133	76.6	0.341	0.587	0.581	-0.048	0.528	-28.0	29.2	40.5	133.8	90.1	-68.7	94.7	117.0	125.9	0.33	1.00	0.00	Y66G
134	75.8	0.336	0.59	0.569	-0.049	0.536	-28.7	28.7	40.6	134.9	89.7	-71.2	93.5	117.5	127.2	0.31	1.00	0.00	Y68G
135	75.0	0.33	0.593	0.557	-0.051	0.543	-29.3	28.3	40.7	135.9	89.4	-73.7	92.2	118.0	128.6	0.3	1.00	0.00	Y69G
136	74.2	0.325	0.596	0.545	-0.052	0.551	-29.9	27.9	40.9	136.9	89.0	-76.2	90.9	118.6	129.9	0.28	1.00	0.00	Y71G
137	73.4	0.319	0.598	0.533	-0.054	0.559	-30.4	27.5	41.0	137.9	88.6	-78.7	88.6	119.3	131.3	0.27	1.00	0.00	Y72G
138	72.6	0.313	0.601	0.521	-0.056	0.567	-31.0	27.0	41.1	138.8	88.2	-81.2	88.3	120.0	132.6	0.26	1.00	0.00	Y73G
139	71.8	0.307	0.604	0.509	-0.058	0.574	-31.5	26.6	41.2	139.7	87.9	-83.8	87.0	120.8	133.9	0.24	1.00	0.00	Y75G
140	71.0	0.301	0.606	0.497	-0.06	0.582	-32.0	26.2	41.4	140.6	87.5	-86.2	85.7	121.6	135.1	0.23	1.00	0.00	Y76G
141	70.3	0.296	0.609	0.486	-0.062	0.59	-32.5	25.8	41.5	141.5	87.1	-88.7	84.4	122.5	136.4	0.21	1.00	0.00	Y78G
142	69.6	0.29	0.611	0.475	-0.064	0.597	-32.9	25.4	41.6	142.3	86.8	-91.1	83.1	123.4	137.6	0.2	1.00	0.00	Y79G
143	68.9	0.284	0.613	0.464	-0.066	0.605	-33.3	25.0	41.7	143.1	86.4	-93.5	81.9	124.3	138.7	0.18	1.00	0.00	Y81G
144	68.2	0.278	0.615	0.453	-0.068	0.613	-33.7	24.6	41.8	143.9	86.0	-95.8	80.7	125.2	139.8	0.17	1.00	0.00	Y82G
145	67.5	0.272	0.617	0.442	-0.07	0.621	-34.1	24.2	41.9	144.7	85.6	-98.1	79.5	126.1	140.9	0.16	1.00	0.00	Y83G
146	66.8	0.266	0.619	0.431	-0.072	0.629	-34.5	23.8	42.0	145.5	85.2	-100.4	78.3	127.0	142.0	0.15	1.00	0.00	Y84G
147	66.2	0.26	0.621	0.42	-0.074	0.637	-34.9	23.4	42.1	146.3	84.8	-102.7	77.1	127.9	143.1	0.14	1.00	0.00	Y85G
148	65.5	0.254	0.623	0.41	-0.076	0.645	-35.3	23.0	42.2	147.1	84.4	-105.0	75.9	128.8	144.2	0.13	1.00	0.00	Y86G
149	64.8	0.248	0.625	0.4	-0.078	0.653	-35.7	22.6	42.3	147.9	84.0	-107.3	74.7	129.7	145.3	0.12	1.00	0.00	Y87G
150	64.2	0.242	0.627	0.39	-0.08	0.661	-36.1	22.2	42.4	148.7	83.6	-109.6	73.5	130.6	146.4	0.11	1.00	0.00	Y88G
151	63.5	0.236	0.629	0.38	-0.082	0.669	-36.5	21.8	42.5	149.5	83.2	-111.9	72.3	131.5	147.5	0.1	1.00	0.00	

rgb_{ABC} and CIE data of a elementary hue circle according to CIE R1-47 for Ostwald colours for CIE illuminant D65

Xyy_{ABC}AB_{ABC}ABC_{AB}LabC_{ab}at_{ab} data for relative spacing of elementary hue h_{AB} of L_{IN}YAB for CIE 10 degree observer

Elementary hue circle with 4 intended elementary hue angles (h_{AB} = 18.2, 86.3, 156.2, 260.1 L_{IN}YAB) and 90 intended hue angles:

270, 271, ..., 360, L_{IN}YAB 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

Table with columns: no., X_{AB}, Y_{AB}, Z_{AB}, X₁₀, Y₁₀, Z₁₀, q₁₀, b₁₀, c_{AB}, A₁₀, B₁₀, C_{AB}, h_{AB}, L*₁₀, a*₁₀, b*₁₀, C_{ab}, h_{ab}, L_{ab}, rgb_{ABC}, Code. Rows 1-360.

CIEXYZ data of CIE test colours 9 (R): 19.0 10.8 4.3, 10 (Y): 54.3 55.9 1.0, 11 (G): 12.5 20.4 14.4, 12 (B): 6.1 7.8 26.5

Oswald 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				%
Oswald 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				%

rgb_{cab} and CIE data of a elementary hue circle according to CIE R1-47 for Ostwald colours for CIE illuminant D65

Xyz, rgb_{AB} , ABC_{AB} , $Labc^*_{hab}$ 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: $h_{ab} = 25.6, 62.4, 162.1, 271.5$ of CIELAB, and 90 intended hue angles:

Table with columns: no., ab, Y, x, z, CIELAB data (a, b), test colours A, B, C, S, hAB, Y, a*, b*, C*ab, lab, rgb*cab, Codeab. Rows contain data for various hues from 180 to 269.

CIEXYZ data of CIE test colours 9 (R): 20.0 11.2 4.3, 10 (Y): 54.8 59.0 12.0, 11 (G): 21.1 20.3 15.3, 12 (B): 6.2 6.4 27.6

Oswald optimal colours (o) of maximum (m) C_{AB} for D65, Y_{w,10}=100, Y_m=520_770, CIELAB data													%
i₁, λ₁	i₂, λ₂	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				%
Oswald optimal colours (o) of maximum (m) C_{AB} for D65, Y_{w,10}=100, Y_m=770_520, CIELAB complementary%													%
i₁, λ₁	i₂, λ₂	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				%

rgb_{abc} and CIE data of a elementary hue circle according to CIE R1-47 for Ostwald colours for CIE Illuminant D65

X_{xy}, *abc*_{AB}, *ABC*_{AB}, *LabC_{ab}*_{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 (I (G): 52.3 – 39.6 15.3, 12 (B): 33.6 – 12.8 – 39.9

000, 001, ..., 089, 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

<i>no.</i> _{ab}	<i>X₁₀</i>	<i>Y₁₀</i>	<i>a₁₀</i>	<i>b₁₀</i>	<i>C_{ab}</i> _{ab}	<i>A₁₀</i>	<i>B₁₀</i>	<i>C_{4.5}</i> _{ab}	<i>h_{AB}</i> ₁₀	<i>L₁₀</i>	<i>a₁₀</i>	<i>b₁₀</i>	<i>C_{ab}</i> _{ab}	<i>h_{ab}</i> ₁₀	<i>rgb_{ab}</i> ₁₀	<i>Code</i> _{ab}			
000	40.0	0.447	0.257	1.737	-0.458	0.789	31.5	-1.1	31.6	357.8	69.4	82.4	-3.2	82.4	357.7	1.00	0.00	0.48	#B75R
001	40.0	0.45	0.259	1.734	-0.445	0.786	31.4	-0.6	31.4	358.8	69.4	82.2	-1.8	82.2	358.7	1.00	0.00	0.46	#B76R
002	40.0	0.454	0.262	1.731	-0.432	0.783	31.3	-0.1	31.3	359.7	69.5	81.9	-0.3	81.9	359.7	1.00	0.00	0.44	#B77R
003	40.0	0.457	0.264	1.728	-0.419	0.78	31.2	0.3	31.2	0.7	69.5	81.7	1.1	81.7	0.7	1.00	0.00	0.42	#B78R
004	40.0	0.461	0.267	1.725	-0.406	0.778	31.1	0.9	31.1	1.6	69.5	81.4	2.6	81.4	1.8	1.00	0.00	0.4	#B79R
005	40.0	0.464	0.269	1.722	-0.393	0.775	31.0	1.4	31.0	2.6	69.5	81.1	4.2	81.3	2.9	1.00	0.00	0.38	#B80R
006	40.0	0.468	0.272	1.719	-0.38	0.773	30.9	1.9	30.9	3.6	69.5	80.9	5.7	81.1	4.0	1.00	0.00	0.36	#B81R
007	40.0	0.472	0.275	1.716	-0.367	0.77	30.7	2.4	30.8	4.5	69.5	80.6	7.4	80.9	5.2	1.00	0.00	0.35	#B82R
008	40.0	0.477	0.277	1.713	-0.354	0.68	30.6	2.9	30.9	5.5	69.5	80.4	9.3	80.7	6.4	1.00	0.00	0.34	#B83R
009	40.1	0.479	0.28	1.709	-0.342	0.766	30.5	3.5	30.7	6.5	69.5	80.0	10.7	80.7	7.6	1.00	0.00	0.31	#B84R
010	40.1	0.483	0.283	1.706	-0.329	0.764	30.4	4.0	30.6	7.5	69.5	79.7	12.4	80.7	8.8	1.00	0.00	0.29	#B85R
011	40.1	0.487	0.286	1.702	-0.316	0.762	30.2	4.5	30.6	8.4	69.5	79.4	14.2	80.7	10.1	1.00	0.00	0.27	#B86R
012	40.1	0.491	0.289	1.699	-0.304	0.761	30.1	5.0	30.5	9.4	69.5	79.1	15.9	80.7	11.4	1.00	0.00	0.25	#B87R
013	40.1	0.494	0.291	1.695	-0.292	0.759	30.0	5.5	30.5	10.4	69.5	78.8	17.7	80.8	12.7	1.00	0.00	0.23	#B88R
014	40.1	0.498	0.294	1.691	-0.279	0.758	29.8	6.0	30.4	11.3	69.6	78.5	19.6	80.9	14.0	1.00	0.00	0.22	#B88R
015	40.2	0.502	0.297	1.687	-0.268	0.757	29.7	6.4	30.4	12.2	69.6	78.2	21.4	81.1	15.3	1.00	0.00	0.2	#B89R
016	40.2	0.506	0.299	1.683	-0.256	0.756	29.6	6.9	30.4	13.1	69.6	77.9	23.3	81.3	16.6	1.00	0.00	0.18	#B90R
017	40.2	0.51	0.303	1.68	-0.244	0.754	29.4	7.4	30.3	14.1	69.6	77.5	25.2	81.5	18.0	1.00	0.00	0.16	#B91R
018	40.2	0.514	0.306	1.676	-0.233	0.753	29.3	7.8	30.3	15.0	69.6	77.2	27.1	81.8	19.3	1.00	0.00	0.14	#B92R
019	40.2	0.517	0.309	1.672	-0.222	0.752	29.3	8.3	30.3	15.9	69.6	76.8	29.0	82.1	20.6	1.00	0.00	0.12	#B93R
020	40.3	0.521	0.312	1.667	-0.211	0.752	29.0	8.7	30.3	16.8	69.6	76.5	30.9	82.5	22.0	1.00	0.00	0.1	#B94R
021	40.3	0.525	0.315	1.663	-0.201	0.751	28.8	9.1	30.2	17.6	69.7	76.1	32.9	82.9	23.4	1.00	0.00	0.09	#B95R
022	40.3	0.528	0.318	1.659	-0.191	0.75	28.7	9.6	30.2	18.5	69.7	75.8	34.9	83.4	24.7	1.00	0.00	0.07	#B96R
023	40.3	0.532	0.321	1.655	-0.181	0.749	28.5	10.0	30.2	19.3	69.7	75.4	36.9	84.0	26.1	1.00	0.00	0.05	#B97R
024	40.4	0.534	0.324	1.651	-0.172	0.748	28.4	10.4	30.1	20.1	69.7	75.1	38.9	84.6	27.5	1.00	0.00	0.04	#B98R
025	40.4	0.539	0.327	1.646	-0.162	0.748	28.2	10.8	30.2	20.9	69.7	74.7	41.0	85.2	28.7	1.00	0.00	0.01	#B99R
026	40.4	0.542	0.33	1.642	-0.152	0.747	28.1	11.1	30.2	21.7	69.8	74.3	43.0	85.9	30.0	1.00	0.00	0.00	#R00Y
027	40.5	0.546	0.333	1.638	-0.144	0.746	27.9	11.5	30.2	22.4	69.8	73.9	45.1	86.6	31.3	1.00	0.01	0.00	#R01Y
028	40.5	0.549	0.336	1.633	-0.135	0.745	27.7	11.9	30.2	23.1	69.8	73.5	47.1	87.4	32.6	1.00	0.03	0.00	#R03Y
029	40.5	0.552	0.339	1.629	-0.127	0.745	27.6	12.2	30.2	23.8	69.8	73.2	49.2	88.2	33.9	1.00	0.05	0.00	#R05Y
030	40.5	0.555	0.342	1.624	-0.119	0.744	27.4	12.5	30.2	24.5	69.8	72.8	51.3	89.1	35.1	1.00	0.06	0.00	#R06Y
031	40.6	0.558	0.344	1.62	-0.112	0.743	27.3	12.8	30.2	25.2	69.9	72.4	53.4	90.0	36.4	1.00	0.08	0.00	#R08Y
032	40.7	0.561	0.347	1.615	-0.104	0.742	27.1	13.1	30.1	25.9	69.9	72.1	55.5	90.9	37.7	1.00	0.09	0.00	#R09Y
033	40.7	0.564	0.35	1.611	-0.097	0.741	26.9	13.4	30.1	26.5	69.9	71.6	57.6	91.9	38.8	1.00	0.11	0.00	#R11Y
034	40.7	0.566	0.352	1.606	-0.091	0.74	26.8	13.7	30.1	27.1	69.9	71.2	59.8	93.0	40.0	1.00	0.13	0.00	#R13Y
035	40.7	0.569	0.355	1.602	-0.084	0.739	26.6	14.0	30.1	27.7	70.0	70.8	61.9	94.1	41.1	1.00	0.14	0.00	#R14Y
036	40.8	0.571	0.357	1.597	-0.078	0.738	26.5	14.3	30.1	28.3	70.0	70.4	64.0	95.2	42.2	1.00	0.16	0.00	#R16Y
037	40.8	0.573	0.36	1.592	-0.072	0.736	26.3	14.5	30.0	28.9	70.0	70.0	66.2	96.3	43.3	1.00	0.18	0.00	#R18Y
038	40.9	0.576	0.362	1.588	-0.067	0.735	26.1	14.8	30.0	29.4	70.1	69.6	68.3	97.5	44.4	1.00	0.19	0.00	#R19Y
039	40.9	0.578	0.365	1.583	-0.062	0.733	26.0	15.0	30.0	30.0	70.1	69.2	70.5	98.6	45.5	1.00	0.21	0.00	#R20Y
040	41.0	0.58	0.367	1.578	-0.057	0.732	25.8	15.2	30.0	30.6	70.2	68.8	72.6	99.7	46.6	1.00	0.22	0.00	#R22Y
041	41.0	0.581	0.369	1.574	-0.052	0.73	25.6	15.4	29.9	31.0	70.1	68.4	74.8	101.3	47.5	1.00	0.24	0.00	#R24Y
042	41.0	0.583	0.371	1.569	-0.048	0.728	25.5	15.6	29.9	31.5	70.2	67.9	76.9	102.6	48.5	1.00	0.26	0.00	#R26Y
043	41.1	0.584	0.373	1.564	-0.044	0.727	25.3	15.8	29.9	31.9	70.2	67.5	79.0	104.0	49.4	1.00	0.27	0.00	#R27Y
044	41.1	0.586	0.375	1.56	-0.04	0.725	25.1	16.0	29.8	32.4	70.2	67.1	81.2	105.3	50.4	1.00	0.29	0.00	#R29Y
045	41.2	0.587	0.377	1.555	-0.036	0.723	25.0	16.1	29.8	32.8	70.3	66.7	83.3	106.7	51.3	1.00	0.31	0.00	#R31Y
046	41.2	0.588	0.379	1.55	-0.033	0.721	24.8	16.3	29.7	33.3	70.3	66.3	85.4	108.2	52.1	1.00	0.32	0.00	#R32Y
047	41.3	0.589	0.381	1.546	-0.03	0.719	24.7	16.5	29.7	33.7	70.4	65.9	87.6	109.6	53.0	1.00	0.34	0.00	#R34Y
048	41.3	0.59	0.383	1.541	-0.027	0.716	24.5	16.6	29.6	34.1	70.4	65.5	89.7	111.0	53.8	1.00	0.35	0.00	#R35Y
049	41.4	0.591	0.384	1.536	-0.024	0.714	24.3	16.7	29.5	34.5	70.4	65.0	91.8	112.5	54.6	1.00	0.37	0.00	#R37Y
050	41.4	0.592	0.386	1.532	-0.021	0.713	24.2	16.9	29.5	34.9	70.5	64.6	93.9	114.0	55.4	1.00	0.39	0.00	#R39Y
051	41.5	0.592	0.388	1.527	-0.019	0.709	24.0	17.0	29.4	35.2	70.5	64.2	96.0	115.5	56.2	1.00	0.4	0.00	#R40Y
052	41.5	0.593	0.389	1.522	-0.017	0.707	23.8	17.1	29.4	35.6	70.5	63.8	98.1	117.0	56.9	1.00	0.42	0.00	#R42Y
053	41.6	0.593	0.391	1.518	-0.015	0.704	23.7	17.2	29.3	35.9	70.6	63.4	100.1	118.5	57.6	1.00	0.44	0.00	#R44Y
054	41.7	0.594	0.392	1.513	-0.013	0.701	23.5	17.3	29.2	36.3	70.6	63.0	102.2	120.0	58.3	1.00	0.45	0.00	#R45Y
055	41.7	0.594	0.393	1.508	-0.011	0.699	23.4	17.4	29.1	36.6	70.7	62.6	104.2	121.6	59.0	1.00	0.47	0.00	#R47Y
056	41.8	0.594	0.395	1.504	-0.01	0.696	23.2	17.5	29.1	36.9	70.7	62.1	106.3	123.1	59.6	1.00	0.48	0.00	#R48Y
057	41.8	0.594	0.396	1.499	-0.009	0.693	23.1	17.6	29.0	37.3	70.7	61.7	108.3	124.7	60.3	1.00	0.5	0.00	#R50Y
058	41.9	0.594	0.397	1.495	-0.007	0.69	22.9	17.6	28.9	37.6	70.8	61.3	110.3	126.2	60.9	1.00	0.52	0.00	#R52Y
059	42.0	0.594	0.398	1.49	-0.006	0.687	22.7	17.7	28.9	37.9	70.8	60.9	112.2	127.7	61.5	1.00	0.53	0.00	#R53Y
060	42.0	0.594	0.4	1.486	-0.005	0.685	22.6	17.8	28.8	38.2	70.9	60.5	114.2	129.3	62.0	1.00	0.55	0.00	#R55Y
061	42.1	0.594	0.401	1.48															

rgb^*_{cab} and CIE data of a elementary hue circle according to CIE R1-47 for Ostwald colours for CIE illuminant D65

$Yxy, Lab^*_{AB}, ABC_{AB}, Lab^*_{C}_{ab,Lab}$ for relative spacing of elementary hue h_{ab} of CIELAB for CIE 10 degree observer

Elementary hue circle with 4 intended elementary hues 9 (R): $39.5, 87.3, 158.8, 252.1$ (G): 52.3 and 39.6 intended hues angles:

090, 091, ..., 176, (CIELAB data of CIE test colours 9 (R): angles: $h_{ab} = 25.9, 54.5, 26.4, 10, (Y): 79.5, 3.2, 71.0, 11, (G): 52.3$ and 39.6 intended hues angles: 12 (B): $33.6-12.8-39.9$

no.	no.	x_{10}	y_{10}	z_{10}	b_{10}	$C_{AB,10}$	A_{10}	B_{10}	$C_{AB,10}$	$h_{AB,10}$	L^*	a^*	b^*	$C^*_{ab,10}$	$h_{ab,10}$	$rgb^*_{cab,10}$	Code $_{ab,10}$				
090	80.6	0.482	0.508	0.949	-0.006	0.423	0.0	34.1	34.1	89.8	91.9	0.1	140.3	140.3	89.9	0.96	1.00	0.00	0.00	0.00	Y03G
091	82.0	0.478	0.511	0.934	-0.007	0.422	-1.1	34.6	34.6	91.9	92.5	-2.3	138.2	138.2	89.9	0.94	1.00	0.00	0.00	0.00	Y05G
092	83.4	0.473	0.514	0.919	-0.009	0.421	-2.4	35.0	35.1	93.9	93.1	-4.8	136.0	136.1	92.0	0.93	1.00	0.00	0.00	0.00	Y06G
093	84.7	0.468	0.517	0.905	-0.01	0.42	-3.6	35.4	35.6	95.8	93.7	-7.2	133.9	134.1	93.0	0.92	1.00	0.00	0.00	0.00	Y07G
094	86.0	0.464	0.519	0.892	-0.012	0.42	-4.7	35.8	36.1	97.5	94.3	-9.4	131.9	132.3	94.0	0.9	1.00	0.00	0.00	0.00	Y09G
095	87.1	0.46	0.521	0.882	-0.013	0.42	-5.7	36.1	36.6	99.0	94.7	-11.3	130.2	130.7	94.9	0.89	1.00	0.00	0.00	0.00	Y10G
096	88.0	0.456	0.522	0.873	-0.015	0.42	-6.5	36.3	36.9	100.2	95.1	-12.9	127.8	128.5	95.7	0.87	1.00	0.00	0.00	0.00	Y12G
097	89.3	0.451	0.522	0.863	-0.019	0.418	-7.5	36.6	37.3	102.0	95.7	-14.8	125.7	124.6	96.8	0.86	1.00	0.00	0.00	0.00	Y13G
098	90.7	0.447	0.522	0.854	-0.024	0.417	-8.4	36.9	37.6	103.8	96.3	-16.8	123.8	123.2	97.9	0.85	1.00	0.00	0.00	0.00	Y14G
099	91.8	0.444	0.518	0.856	-0.028	0.411	-8.4	36.8	37.7	102.8	96.7	-16.2	115.5	116.7	97.9	0.83	1.00	0.00	0.00	0.00	Y16G
100	92.3	0.437	0.518	0.843	-0.033	0.409	-9.6	36.5	37.8	104.8	96.9	-18.6	111.4	112.9	99.4	0.82	1.00	0.00	0.00	0.00	Y17G
101	92.1	0.432	0.52	0.83	-0.035	0.41	-10.8	36.2	37.8	106.6	96.8	-20.9	109.4	111.4	100.8	0.8	1.00	0.00	0.00	0.00	Y19G
102	91.7	0.43	0.522	0.823	-0.036	0.412	-11.4	36.0	37.8	107.6	96.7	-22.3	109.0	111.3	101.5	0.79	1.00	0.00	0.00	0.00	Y20G
103	91.3	0.427	0.524	0.814	-0.036	0.414	-12.1	35.8	37.8	108.7	96.5	-23.8	108.6	111.2	102.3	0.78	1.00	0.00	0.00	0.00	Y21G
104	90.9	0.424	0.526	0.806	-0.036	0.417	-12.8	35.6	37.9	109.8	96.3	-25.4	108.2	111.1	103.2	0.76	1.00	0.00	0.00	0.00	Y23G
105	90.4	0.421	0.529	0.797	-0.037	0.42	-13.6	35.4	37.9	111.0	96.1	-27.1	107.8	111.1	104.1	0.75	1.00	0.00	0.00	0.00	Y24G
106	89.9	0.418	0.531	0.788	-0.037	0.423	-14.3	35.2	38.0	112.2	96.0	-28.8	107.4	111.3	105.2	0.75	1.00	0.00	0.00	0.00	Y26G
107	89.3	0.415	0.534	0.778	-0.037	0.427	-15.1	35.0	38.1	113.4	95.9	-30.6	107.0	111.3	105.9	0.72	1.00	0.00	0.00	0.00	Y27G
108	88.7	0.412	0.536	0.768	-0.037	0.431	-15.9	34.7	38.2	114.6	95.4	-32.5	106.6	111.5	106.9	0.71	1.00	0.00	0.00	0.00	Y28G
109	88.1	0.408	0.539	0.757	-0.037	0.435	-16.7	34.4	38.3	115.9	95.2	-34.5	106.3	111.7	107.9	0.69	1.00	0.00	0.00	0.00	Y30G
110	87.5	0.405	0.542	0.747	-0.038	0.439	-17.5	34.2	38.4	117.2	94.9	-36.5	105.9	112.0	109.0	0.68	1.00	0.00	0.00	0.00	Y31G
111	86.8	0.401	0.545	0.736	-0.038	0.444	-18.4	33.9	38.6	118.4	94.6	-38.5	105.5	112.3	110.0	0.66	1.00	0.00	0.00	0.00	Y33G
112	86.1	0.398	0.549	0.724	-0.038	0.45	-19.2	33.6	38.7	119.7	94.4	-40.7	105.0	112.6	111.1	0.65	1.00	0.00	0.00	0.00	Y34G
113	85.4	0.394	0.552	0.713	-0.038	0.455	-20.0	33.3	38.8	120.9	94.0	-42.8	104.6	113.0	112.2	0.64	1.00	0.00	0.00	0.00	Y36G
114	84.7	0.391	0.555	0.703	-0.039	0.461	-20.8	33.0	39.0	122.2	93.6	-44.9	104.2	113.3	113.1	0.63	1.00	0.00	0.00	0.00	Y37G
115	83.9	0.385	0.559	0.69	-0.039	0.467	-21.6	32.7	39.2	123.4	93.4	-47.3	103.6	113.9	114.5	0.61	1.00	0.00	0.00	0.00	Y38G
116	83.1	0.381	0.562	0.678	-0.039	0.474	-22.4	32.4	39.4	124.6	93.0	-49.6	103.0	114.4	115.7	0.59	1.00	0.00	0.00	0.00	Y40G
117	82.4	0.377	0.566	0.666	-0.04	0.48	-23.2	32.2	39.6	125.8	92.7	-51.9	102.4	114.9	116.8	0.58	1.00	0.00	0.00	0.00	Y41G
118	81.6	0.372	0.569	0.655	-0.04	0.486	-23.9	31.7	39.7	127.0	92.4	-54.1	101.8	115.3	118.0	0.57	1.00	0.00	0.00	0.00	Y42G
119	81.0	0.368	0.571	0.645	-0.041	0.492	-24.5	31.4	39.8	128.9	92.1	-56.1	100.9	115.5	119.0	0.55	1.00	0.00	0.00	0.00	Y44G
120	80.3	0.364	0.574	0.634	-0.042	0.498	-25.1	31.1	40.0	129.9	91.8	-58.1	100.1	115.8	120.1	0.54	1.00	0.00	0.00	0.00	Y45G
121	79.7	0.36	0.577	0.624	-0.043	0.503	-25.7	30.7	40.1	129.9	91.5	-60.1	99.2	116.0	121.2	0.52	1.00	0.00	0.00	0.00	Y47G
122	79.0	0.357	0.579	0.614	-0.044	0.509	-26.3	30.4	40.2	130.8	91.2	-62.1	98.4	116.3	122.3	0.51	1.00	0.00	0.00	0.00	Y48G
123	78.4	0.352	0.582	0.604	-0.044	0.515	-26.9	30.1	40.4	131.7	90.9	-64.2	97.4	116.7	123.3	0.5	1.00	0.00	0.00	0.00	Y49G
124	77.7	0.347	0.584	0.594	-0.046	0.521	-27.4	29.8	40.5	132.6	90.6	-66.2	96.5	117.0	124.4	0.48	1.00	0.00	0.00	0.00	Y51G
125	77.1	0.343	0.587	0.584	-0.047	0.527	-28.0	29.4	40.6	133.5	90.3	-68.2	95.6	117.4	125.5	0.47	1.00	0.00	0.00	0.00	Y52G
126	76.4	0.339	0.589	0.574	-0.048	0.533	-28.5	29.1	40.7	134.4	90.0	-70.2	94.6	117.8	126.5	0.45	1.00	0.00	0.00	0.00	Y54G
127	75.8	0.334	0.592	0.565	-0.049	0.539	-29.0	28.8	40.9	135.2	89.7	-72.2	93.6	118.2	127.6	0.44	1.00	0.00	0.00	0.00	Y55G
128	75.1	0.33	0.594	0.555	-0.05	0.545	-29.5	28.4	41.0	136.0	89.4	-74.2	92.6	118.7	128.6	0.43	1.00	0.00	0.00	0.00	Y56G
129	74.5	0.325	0.596	0.545	-0.051	0.551	-29.9	28.1	41.1	136.8	89.1	-76.1	91.7	119.2	129.7	0.41	1.00	0.00	0.00	0.00	Y58G
130	73.9	0.32	0.599	0.534	-0.052	0.557	-30.3	27.8	41.2	137.6	88.8	-78.1	90.8	119.7	130.8	0.4	1.00	0.00	0.00	0.00	Y59G
131	73.3	0.317	0.601	0.527	-0.054	0.563	-30.8	27.4	41.3	138.2	88.6	-80.0	89.6	120.2	131.7	0.38	1.00	0.00	0.00	0.00	Y61G
132	72.7	0.312	0.603	0.518	-0.055	0.569	-31.2	27.1	41.3	139.0	88.3	-81.9	88.6	120.7	132.7	0.37	1.00	0.00	0.00	0.00	Y62G
133	72.1	0.308	0.604	0.509	-0.057	0.575	-31.6	26.8	41.4	139.6	88.0	-83.7	87.6	121.2	133.7	0.36	1.00	0.00	0.00	0.00	Y63G
134	71.5	0.304	0.606	0.501	-0.058	0.58	-31.9	26.5	41.5	140.3	87.7	-85.6	86.6	122.1	134.6	0.34	1.00	0.00	0.00	0.00	Y65G
135	70.9	0.299	0.608	0.492	-0.06	0.586	-32.3	26.1	41.5	140.9	87.4	-87.4	85.6	122.3	135.5	0.33	1.00	0.00	0.00	0.00	Y66G
136	70.4	0.295	0.609	0.484	-0.061	0.591	-32.6	25.8	41.6	141.5	87.1	-89.1	84.6	122.9	136.4	0.31	1.00	0.00	0.00	0.00	Y68G
137	69.8	0.291	0.611	0.476	-0.063	0.596	-32.9	25.5	41.6	142.1	86.9	-90.8	83.6	123.4	137.3	0.3	1.00	0.00	0.00	0.00	Y69G
138	69.3	0.287	0.612	0.469	-0.065	0.601	-33.2	25.2	41.7	142.7	86.6	-92.5	82.6	124.0	138.2	0.29	1.00	0.00	0.00	0.00	Y70G
139	68.8	0.283	0.614	0.461	-0.066	0.606	-33.4	24.9	41.7	143.2	86.4	-94.1	81.6	124.5	139.0	0.27	1.00	0.00	0.00	0.00	Y72G
140	68.2	0.279	0.616	0.454	-0.067	0.611	-33.6	24.6	41.7	143.7	86.2	-95.8	80.6	124.9	139.8	0.26	1.00	0.00	0.00	0.00	Y73G
141	67.7	0.275	0.618	0.447	-0.068	0.616	-33.8	24.3	41.7	144.2	86.0	-97.5	79.6	125.3	140.6	0.25	1.00	0.00	0.00	0.00	Y74G
142	67.1	0.271	0.62	0.44	-0.069	0.621	-34.0	24.0	41.7	144.7	85.8	-99.2	78.6	125.7	141.4	0.24	1.00	0.00	0.00	0.00	Y75G
143	66.6	0.267	0.622	0.433	-0.07	0.626	-34.2	23.7	41.7	145.2	85.6	-100.9	77.6	126.1	142.2	0.23	1.00	0.00	0.00	0.00	Y76G
144	66.1	0.263	0.624	0.426	-0.071	0.631	-34.4	23.4	41.7	145.7	85.4	-102.6	76.6	126.5	143.0	0.22	1.00	0.00	0.00	0.00	Y77G
145	65.5	0.259	0.626	0.419	-0.072	0.636	-34.6	23.1	41.7	146.2	85.2	-104.3	75.6	126.9							

rgb^*_{cab} and CIE data of a elementary hue circle according to CIE R1-47 for Ostwald colours for CIE illuminant D65 $Xyz, abc_{\text{AB}}, ABC_{\text{AB}}, LabC^*_{\text{ab}}$ data for relative spacing of elementary hue h_{ab} of CIELAB for CIE 10 degree observer Elementary hue circle with 4 extended elementary hue angles: $h_{\text{ab}} = 25.9, 87.3, 158.8, 252.1$ of CIELAB, 90 extended hue angles:																			
180, 181, ..., 269, CIELAB data of CIE test colours 9 (R): 39.2, 54.5, 26.4, 10, (Y): 79.5, 32, 71.0, 11, (G): 52.3 – 39.6, 15, 12 (B): 33.6 – 12.8 – 39.9																			
no.	λ_{10}	x_{10}	y_{10}	z_{10}	b_{10}	$C_{\text{AB},10}$	A_{10}	B_{10}	$C_{\text{AB},10}$	$h_{\text{AB},10}$	L^*_{10}	a^*_{10}	b^*_{10}	$C^*_{\text{ab},10}$	$h_{\text{ab},10}$	$rgb^*_{\text{cab},10}$	Code _{ab,10}		
180	41.9	0.557	0.353	1.577	-0.1	0.71	26.4	13.8	29.8	27.5	70.8	69.2	57.5	90.0	39.7	0.00	1.00	0.45	G22B
181	41.9	0.557	0.352	1.579	-0.101	0.71	26.4	13.7	29.8	27.4	70.8	69.3	57.0	89.8	39.4	0.00	1.00	0.47	G23B
182	41.9	0.556	0.352	1.58	-0.103	0.711	26.5	13.6	29.8	27.2	70.8	69.4	56.5	89.5	39.1	0.00	1.00	0.49	G24B
183	41.9	0.555	0.351	1.581	-0.105	0.711	26.5	13.5	29.8	27.0	70.8	69.5	55.9	89.3	38.8	0.00	1.00	0.51	G25B
184	41.9	0.555	0.35	1.582	-0.107	0.711	26.6	13.5	29.8	26.9	70.8	69.6	55.4	89.0	38.5	0.00	1.00	0.53	G26B
185	41.9	0.554	0.35	1.583	-0.108	0.712	26.6	13.4	29.8	26.7	70.8	69.8	54.9	88.8	38.2	0.00	1.00	0.56	G28B
186	41.8	0.553	0.349	1.585	-0.11	0.712	26.6	13.3	29.8	26.5	70.7	69.9	54.4	88.6	37.9	0.00	1.00	0.58	G29B
187	41.8	0.553	0.348	1.586	-0.112	0.712	26.7	13.2	29.8	26.4	70.7	70.0	53.9	88.3	37.6	0.00	1.00	0.6	G30B
188	41.8	0.548	0.347	1.587	-0.113	0.712	26.7	13.1	29.8	26.3	70.7	70.1	53.4	88.1	37.3	0.00	1.00	0.62	G31B
189	41.8	0.551	0.347	1.588	-0.115	0.713	26.8	13.1	29.8	26.0	70.7	70.2	52.8	87.9	36.9	0.00	1.00	0.64	G32B
190	41.8	0.551	0.346	1.59	-0.117	0.713	26.8	13.0	29.8	25.8	70.7	70.3	52.3	87.7	36.6	0.00	1.00	0.66	G33B
191	41.8	0.55	0.345	1.591	-0.119	0.713	26.9	12.9	29.8	25.7	70.7	70.4	51.8	87.4	36.3	0.00	1.00	0.68	G34B
192	41.8	0.549	0.345	1.592	-0.121	0.714	26.9	12.8	29.8	25.5	70.7	70.5	51.3	87.2	36.0	0.00	1.00	0.71	G35B
193	41.7	0.549	0.344	1.593	-0.123	0.714	26.9	12.7	29.8	25.3	70.7	70.6	50.8	87.0	35.7	0.00	1.00	0.73	G36B
194	41.7	0.548	0.343	1.595	-0.125	0.714	27.0	12.7	29.8	25.1	70.7	70.7	50.3	86.8	35.4	0.00	1.00	0.75	G37B
195	41.7	0.547	0.343	1.596	-0.127	0.715	27.0	12.6	29.8	24.9	70.7	70.8	49.8	86.6	35.0	0.00	1.00	0.77	G38B
196	41.7	0.547	0.342	1.597	-0.129	0.715	27.1	12.5	29.8	24.8	70.7	70.9	49.3	86.4	34.7	0.00	1.00	0.79	G39B
197	41.7	0.546	0.341	1.598	-0.131	0.715	27.1	12.4	29.8	24.6	70.6	71.0	48.7	86.2	34.4	0.00	1.00	0.81	G40B
198	41.7	0.545	0.34	1.599	-0.133	0.715	27.2	12.3	29.8	24.4	70.6	71.1	48.2	86.0	34.1	0.00	1.00	0.83	G41B
199	41.7	0.544	0.34	1.601	-0.135	0.716	27.2	12.2	29.8	24.2	70.6	71.2	47.7	85.8	33.8	0.00	1.00	0.86	G43B
200	41.7	0.543	0.339	1.602	-0.137	0.716	27.2	12.1	29.8	24.0	70.6	71.4	47.2	85.6	33.4	0.00	1.00	0.88	G44B
201	41.6	0.543	0.338	1.603	-0.139	0.716	27.3	12.0	29.8	23.8	70.6	71.5	46.7	85.4	33.1	0.00	1.00	0.9	G45B
202	41.6	0.542	0.337	1.604	-0.141	0.717	27.3	11.9	29.8	23.6	70.6	71.6	46.2	85.2	32.8	0.00	1.00	0.92	G46B
203	41.6	0.541	0.337	1.606	-0.143	0.717	27.4	11.9	29.8	23.4	70.6	71.7	45.6	85.0	32.4	0.00	1.00	0.94	G47B
204	41.6	0.54	0.336	1.607	-0.145	0.717	27.4	11.8	29.8	23.2	70.6	71.8	45.1	84.8	32.1	0.00	1.00	0.96	G48B
205	41.6	0.54	0.335	1.608	-0.147	0.717	27.4	11.7	29.8	23.0	70.6	71.9	44.6	84.6	31.8	0.00	1.00	0.98	G49B
206	41.6	0.539	0.335	1.609	-0.15	0.718	27.5	11.6	29.8	22.8	70.6	72.0	44.1	84.4	31.5	0.00	0.98	1.00	G50B
207	41.6	0.538	0.334	1.61	-0.152	0.718	27.5	11.5	29.8	22.6	70.6	72.1	43.6	84.3	31.1	0.00	0.96	1.00	G51B
208	41.5	0.537	0.333	1.612	-0.154	0.718	27.6	11.4	29.8	22.4	70.5	72.2	43.1	84.1	30.8	0.00	0.94	1.00	G52B
209	41.5	0.536	0.332	1.613	-0.156	0.719	27.6	11.3	29.9	22.2	70.5	72.3	42.6	83.9	30.4	0.00	0.92	1.00	G53B
210	41.5	0.536	0.332	1.614	-0.158	0.719	27.7	11.2	29.9	22.0	70.5	72.4	42.1	83.8	30.1	0.00	0.9	1.00	G54B
211	41.5	0.535	0.331	1.615	-0.161	0.719	27.7	11.1	29.9	21.8	70.5	72.5	41.5	83.6	29.8	0.00	0.88	1.00	G55B
212	41.5	0.534	0.33	1.617	-0.163	0.719	27.7	11.0	29.9	21.6	70.5	72.6	41.0	83.4	29.5	0.00	0.86	1.00	G56B
213	41.5	0.533	0.329	1.618	-0.165	0.72	27.8	10.9	29.9	21.4	70.5	72.7	40.5	83.3	29.1	0.00	0.83	1.00	G58B
214	41.5	0.532	0.328	1.619	-0.168	0.72	27.8	10.8	29.9	21.2	70.5	72.8	40.0	83.1	28.7	0.00	0.81	1.00	G59B
215	41.5	0.531	0.328	1.62	-0.17	0.72	27.9	10.7	29.9	21.0	70.5	72.9	39.5	83.0	28.4	0.00	0.79	1.00	G60B
216	41.4	0.531	0.327	1.622	-0.172	0.721	27.9	10.6	29.9	20.8	70.5	73.0	39.0	82.8	28.1	0.00	0.77	1.00	G61B
217	41.4	0.53	0.326	1.623	-0.175	0.721	28.0	10.5	29.9	20.6	70.5	73.2	38.5	82.7	27.7	0.00	0.75	1.00	G62B
218	41.4	0.529	0.325	1.624	-0.177	0.721	28.0	10.4	29.9	20.4	70.5	73.3	38.0	82.5	27.4	0.00	0.73	1.00	G63B
219	41.4	0.528	0.325	1.625	-0.179	0.722	28.0	10.3	29.9	20.2	70.4	73.4	37.5	82.4	27.0	0.00	0.71	1.00	G64B
220	41.4	0.527	0.324	1.626	-0.181	0.722	28.1	10.2	29.9	20.0	70.4	73.5	37.0	82.2	26.7	0.00	0.69	1.00	G65B
221	41.4	0.526	0.323	1.628	-0.184	0.722	28.1	10.1	29.9	19.7	70.4	73.6	36.5	82.1	26.3	0.00	0.66	1.00	G66B
222	41.4	0.525	0.322	1.629	-0.187	0.723	28.2	10.0	29.9	19.5	70.4	73.7	36.0	82.0	26.0	0.00	0.64	1.00	G67B
223	41.4	0.525	0.322	1.63	-0.189	0.723	28.2	9.9	29.9	19.3	70.4	73.8	35.4	81.9	25.6	0.00	0.62	1.00	G68B
224	41.3	0.524	0.321	1.631	-0.192	0.723	28.2	9.8	29.9	19.1	70.4	73.9	34.9	81.7	25.3	0.00	0.6	1.00	G69B
225	41.3	0.523	0.32	1.633	-0.194	0.724	28.3	9.6	29.9	18.8	70.4	74.0	34.4	81.6	24.9	0.00	0.58	1.00	G70B
226	41.3	0.522	0.319	1.634	-0.197	0.724	28.3	9.5	29.9	18.6	70.4	74.1	33.9	81.5	24.6	0.00	0.56	1.00	G71B
227	41.3	0.521	0.318	1.635	-0.2	0.724	28.4	9.4	29.9	18.4	70.4	74.2	33.4	81.4	24.2	0.00	0.53	1.00	G72B
228	41.3	0.52	0.318	1.636	-0.202	0.725	28.4	9.3	29.9	18.2	70.4	74.3	32.9	81.3	23.9	0.00	0.51	1.00	G73B
229	41.3	0.519	0.317	1.637	-0.205	0.725	28.5	9.2	29.9	17.9	70.4	74.4	32.4	81.2	23.5	0.00	0.49	1.00	G75B
230	41.3	0.518	0.316	1.639	-0.207	0.725	28.5	9.1	29.9	17.7	70.3	74.5	31.9	81.1	23.2	0.00	0.47	1.00	G76B
231	41.2	0.518	0.315	1.64	-0.21	0.726	28.5	9.0	29.9	17.5	70.3	74.6	31.4	81.0	22.8	0.00	0.45	1.00	G77B
232	41.2	0.517	0.315	1.641	-0.213	0.726	28.6	8.9	29.9	17.3	70.3	74.7	30.9	80.9	22.5	0.00	0.43	1.00	G78B
233	41.2	0.516	0.314	1.642	-0.215	0.726	28.6	8.8	29.9	17.0	70.3	74.8	30.4	80.8	22.1	0.00	0.41	1.00	G79B
234	41.2	0.515	0.313	1.643	-0.218	0.727	28.7	8.6	29.9	16.8	70.3	74.9	30.0	80.7	21.8	0.00	0.38	1.00	G80B
235	41.2	0.514	0.312	1.645	-0.221	0.727	28.7	8.5	30.0	16.6	70.3	75.0	29.5	80.6	21.4	0.00	0.36	1.00	G81B
236	41.2	0.513	0.311	1.646	-0.224	0.727	28.7	8.4	30.0	16.3	70.3	75.1	29.0	80.5	21.0	0.00	0.34	1.00	G82B
237	41.2	0.512	0.311	1.647	-0.226	0.728	28.8	8.3	30.0	16.1	70.3	75.2	28.5	80.4	20.7	0.00	0.32	1.00	G83B
238	41.2	0.511	0.31	1.648	-0.229	0.728	28.8	8.2	30.0	15.9	70.3	75.3	28.0	80.4	20.4	0.00	0.3	1.00	G84B
239	41.1	0.51	0.309	1.65	-0.232	0.729	28.9	8.1	30.0	15.6	70.3	75.4	27.5	80.3	20.0	0.00	0.28	1.00	G85B
240	41.1	0.509	0.308	1.651	-0.235	0.729	28.9	7.9	30.0	15.4	70.3	75.5	27.0	80.2	19.6	0.00	0.25	1.00	G87B
241	41.1	0.508	0.307	1.652	-0.238	0.729	28.9	7.8	30.0	15.1	70.2	75.6	26.5	80.1	19.3	0.00	0.23	1.00	G88B
242	41.1	0.507	0.307	1.653	-0.24	0.73	29.0	7.7	30.0	14.9	70.2	75.7	26.						

rgb_{cab} and CIE data of a elementary hue circle according to CIE R1-47 for Ostwald colours for CIE illuminant D65

X_{xy}, abc_{AB}, ABC_{AB}, LabC_{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 **90** intended hue angles:

270, 271, ..., 360, CIELAB data of CIE test colours **N (R): 39.2 54.5 26.4, 10 (Y): 79.5 3.2 71.0, 11 (G): 52.3 -39.6 15.2, 12 (B): 33.6 -12.8 -39.9**

no.	λ₀	X₁₀	Y₁₀	z₁₀	b₁₀	C_{ab}	A₁₀	B₁₀	C_{AB}	h_{AB}	Y₁₀	a₁₀	b₁₀	C_{cab}	h_{ab}	rgb_{cab}	Code_{ab}		
270	40.8	0.481	0.285	1.686	-0.326	0.745	30.1	4.1	30.4	7.9	70.0	78.4	12.9	79.5	9.3	0.26	0.00	1.00	# B13R
271	40.8	0.48	0.284	1.687	-0.329	0.745	30.1	4.0	30.4	7.6	70.0	78.5	12.4	79.5	9.0	0.28	0.00	1.00	# B14R
272	40.7	0.479	0.283	1.688	-0.333	0.746	30.2	3.9	30.4	7.4	70.0	78.6	12.0	79.5	8.6	0.29	0.00	1.00	# B14R
273	40.7	0.478	0.283	1.689	-0.336	0.747	30.2	3.7	30.4	7.1	70.0	78.7	11.5	79.5	8.3	0.31	0.00	1.00	# B15R
274	40.7	0.477	0.282	1.69	-0.339	0.747	30.2	3.6	30.4	6.8	70.0	78.8	11.1	79.6	8.0	0.32	0.00	1.00	# B16R
275	40.7	0.476	0.281	1.691	-0.342	0.748	30.3	3.5	30.5	6.6	70.0	78.9	10.6	79.6	7.7	0.34	0.00	1.00	# B17R
276	40.7	0.475	0.281	1.692	-0.346	0.749	30.3	3.3	30.5	6.3	70.0	79.0	10.2	79.6	7.3	0.35	0.00	1.00	# B18R
277	40.7	0.474	0.28	1.693	-0.349	0.75	30.3	3.2	30.5	6.1	69.9	79.1	9.8	79.7	7.0	0.37	0.00	1.00	# B19R
278	40.7	0.473	0.279	1.695	-0.352	0.751	30.4	3.0	30.5	5.8	69.9	79.2	9.3	79.7	6.7	0.39	0.00	1.00	# B20R
279	40.7	0.472	0.278	1.696	-0.356	0.751	30.4	2.9	30.6	5.5	69.9	79.2	8.9	79.7	6.4	0.4	0.00	1.00	# B20R
280	40.7	0.471	0.278	1.697	-0.359	0.752	30.4	2.8	30.6	5.3	69.9	79.3	8.5	79.8	6.1	0.41	0.00	1.00	# B20R
281	40.6	0.471	0.277	1.698	-0.362	0.753	30.5	2.7	30.6	5.0	69.9	79.4	8.0	79.8	5.8	0.43	0.00	1.00	# B21R
282	40.6	0.47	0.276	1.699	-0.366	0.753	30.5	2.5	30.6	4.8	69.9	79.5	7.6	79.9	5.4	0.44	0.00	1.00	# B22R
283	40.6	0.469	0.275	1.7	-0.369	0.754	30.5	2.4	30.6	4.5	69.9	79.6	7.2	79.9	5.1	0.46	0.00	1.00	# B23R
284	40.6	0.468	0.275	1.701	-0.372	0.755	30.6	2.2	30.7	4.2	69.9	79.7	6.7	80.0	4.8	0.47	0.00	1.00	# B23R
285	40.6	0.467	0.274	1.702	-0.376	0.756	30.6	2.1	30.7	4.0	69.9	79.8	6.3	80.0	4.5	0.49	0.00	1.00	# B24R
286	40.6	0.466	0.273	1.703	-0.38	0.757	30.7	2.0	30.7	3.7	69.9	79.9	5.8	80.0	4.2	0.5	0.00	1.00	# B25R
287	40.6	0.465	0.273	1.704	-0.382	0.758	30.7	1.8	30.7	3.5	69.9	79.9	5.5	80.1	3.9	0.52	0.00	1.00	# B26R
288	40.6	0.464	0.272	1.705	-0.386	0.758	30.7	1.7	30.8	3.2	69.9	80.0	5.1	80.2	3.6	0.53	0.00	1.00	# B26R
289	40.6	0.463	0.271	1.706	-0.389	0.759	30.8	1.6	30.8	2.9	69.9	80.1	4.7	80.2	3.3	0.55	0.00	1.00	# B27R
290	40.5	0.462	0.27	1.707	-0.393	0.76	30.8	1.4	30.8	2.7	69.8	80.2	4.2	80.3	3.0	0.56	0.00	1.00	# B28R
291	40.5	0.461	0.27	1.708	-0.396	0.761	30.8	1.3	30.9	2.4	69.8	80.3	3.8	80.4	2.7	0.58	0.00	1.00	# B29R
292	40.5	0.46	0.269	1.709	-0.399	0.762	30.9	1.1	30.9	2.2	69.8	80.4	3.4	80.4	2.4	0.59	0.00	1.00	# B29R
293	40.5	0.46	0.268	1.71	-0.403	0.763	30.9	1.0	30.9	1.9	69.8	80.4	3.0	80.5	2.1	0.6	0.00	1.00	# B30R
294	40.5	0.459	0.268	1.712	-0.407	0.764	30.9	0.9	30.9	1.7	69.8	80.5	2.6	80.5	1.8	0.62	0.00	1.00	# B31R
295	40.5	0.458	0.267	1.713	-0.41	0.765	31.0	0.7	31.0	1.4	69.8	80.6	2.2	80.6	1.5	0.64	0.00	1.00	# B32R
296	40.5	0.457	0.266	1.714	-0.413	0.766	31.0	0.6	31.0	1.1	69.8	80.7	1.8	80.7	1.3	0.65	0.00	1.00	# B32R
297	40.5	0.456	0.266	1.715	-0.416	0.767	31.0	0.5	31.0	0.9	69.8	80.8	1.4	80.8	1.0	0.67	0.00	1.00	# B33R
298	40.5	0.455	0.265	1.716	-0.42	0.768	31.1	0.3	31.1	0.6	69.8	80.9	1.0	80.9	0.7	0.68	0.00	1.00	# B34R
299	40.5	0.454	0.264	1.717	-0.423	0.769	31.1	0.2	31.1	0.4	69.8	80.9	0.6	80.9	0.4	0.7	0.00	1.00	# B35R
300	40.4	0.453	0.264	1.718	-0.427	0.77	31.1	0.0	31.1	0.1	69.8	81.0	0.2	81.0	0.1	0.71	0.00	1.00	# B35R
301	40.4	0.452	0.263	1.719	-0.43	0.771	31.2	0.0	31.2	359.9	69.8	81.1	-0.1	81.1	359.9	0.73	0.00	1.00	# B36R
302	40.4	0.452	0.262	1.72	-0.433	0.772	31.2	-0.3	31.2	359.6	69.8	81.2	-0.5	81.2	359.6	0.73	0.00	1.00	# B37R
303	40.4	0.451	0.262	1.721	-0.437	0.773	31.2	-0.3	31.2	359.4	69.7	81.3	-0.8	81.3	359.3	0.76	0.00	1.00	# B38R
304	40.4	0.45	0.261	1.722	-0.44	0.774	31.3	-0.4	31.3	359.1	69.7	81.3	-1.2	81.3	359.0	0.77	0.00	1.00	# B38R
305	40.4	0.449	0.26	1.723	-0.443	0.775	31.3	-0.5	31.3	358.9	69.7	81.4	-1.6	81.4	358.8	0.79	0.00	1.00	# B39R
306	40.4	0.448	0.26	1.723	-0.447	0.776	31.3	-0.7	31.3	358.6	69.7	81.5	-2.0	81.5	358.5	0.8	0.00	1.00	# B40R
307	40.4	0.447	0.259	1.724	-0.45	0.777	31.4	-0.8	31.4	358.4	69.7	81.6	-2.4	81.6	358.3	0.82	0.00	1.00	# B41R
308	40.4	0.446	0.258	1.725	-0.454	0.778	31.4	-1.0	31.4	358.1	69.7	81.6	-2.7	81.7	358.0	0.83	0.00	1.00	# B41R
309	40.4	0.446	0.258	1.726	-0.457	0.779	31.4	-1.1	31.4	357.9	69.7	81.7	-3.1	81.8	357.7	0.85	0.00	1.00	# B42R
310	40.3	0.445	0.257	1.727	-0.46	0.78	31.5	-1.2	31.5	357.6	69.7	81.8	-3.5	81.9	357.5	0.86	0.00	1.00	# B43R
311	40.3	0.444	0.257	1.728	-0.464	0.781	31.5	-1.4	31.5	357.4	69.7	81.9	-3.8	82.0	357.2	0.88	0.00	1.00	# B44R
312	40.3	0.443	0.256	1.729	-0.467	0.782	31.5	-1.5	31.5	357.2	69.7	82.0	-4.2	82.1	357.0	0.89	0.00	1.00	# B44R
313	40.3	0.442	0.255	1.73	-0.47	0.783	31.5	-1.6	31.6	356.9	69.7	82.1	-4.6	82.2	356.7	0.91	0.00	1.00	# B45R
314	40.3	0.442	0.255	1.731	-0.474	0.784	31.6	-1.8	31.6	356.7	69.7	82.1	-4.9	82.3	356.5	0.92	0.00	1.00	# B46R
315	40.3	0.441	0.254	1.732	-0.477	0.785	31.6	-1.9	31.7	356.4	69.7	82.2	-5.3	82.3	356.2	0.94	0.00	1.00	# B47R
316	40.3	0.44	0.254	1.733	-0.48	0.787	31.6	-2.0	31.7	356.2	69.7	82.2	-5.6	82.4	356.0	0.95	0.00	1.00	# B47R
317	40.3	0.439	0.253	1.734	-0.484	0.788	31.7	-2.2	31.7	356.0	69.6	82.3	-6.0	82.5	355.8	0.96	0.00	1.00	# B48R
318	40.3	0.438	0.252	1.735	-0.487	0.789	31.7	-2.3	31.8	355.7	69.6	82.4	-6.3	82.6	355.5	0.98	0.00	1.00	# B49R
319	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	# B49R
320	40.2	0.437	0.251	1.737	-0.494	0.791	31.7	-2.6	31.8	355.3	69.6	82.5	-7.0	82.8	355.0	1.00	0.00	0.98	# B50R
321	40.2	0.436	0.251	1.737	-0.497	0.792	31.8	-2.7	31.9	355.0	69.6	82.6	-7.4	82.9	354.8	1.00	0.00	0.97	# B51R
322	40.2	0.435	0.25	1.738	-0.5	0.793	31.8	-2.8	31.9	354.8	69.6	82.7	-7.7	83.0	354.6	1.00	0.00	0.95	# B52R
323	40.2	0.434	0.25	1.739	-0.503	0.795	31.8	-3.0	32.0	354.6	69.6	82.7	-8.0	83.1	354.4	1.00	0.00	0.94	# B52R
324	40.2	0.434	0.249	1.74	-0.507	0.796	31.9	-3.1	32.0	354.3	69.6	82.8	-8.4	83.2	354.1	1.00	0.00	0.92	# B53R
325	40.2	0.433	0.248	1.741	-0.51	0.797	31.9	-3.2	32.0	354.1	69.6	82.9	-8.7	83.3	353.9	1.00	0.00	0.91	# B54R
326	40.2	0.432	0.248	1.742	-0.513	0.798	31.9	-3.3	32.1	353.9	69.6	82.9	-9.0	83.4	353.7	1.00	0.00	0.89	# B55R
327	40.2	0.431	0.247	1.743	-0.516	0.799	31.9	-3.5	32.1	353.7	69.6	83.0	-9.4	83.5	353.5	1.00	0.00	0.88	# B55R
328	40.2	0.431	0.247	1.743	-0.52	0.801	32.0	-3.6	32.2	353.4	69.6	83.1	-9.7	83.7	353.3	1.00	0.00	0.86	# B56R
329	40.2	0.43	0.246	1.744	-0.523	0.802	32.0	-3.7	32.2	353.2	69.6	83.2	-10.0	83.8	353.1	1.00	0.00	0.85	# B57R
330	40.2	0.429	0.246	1.745	-0.526	0.803	32.0	-3.9	32.3	353.0	69.6	83.2	-10.3	83.9	352.8	1.00	0.00	0.83	# B58R
331	40.1	0.429	0.245	1.746	-0.529	0.804	32.0	-4.0	32.3	352.8	69.6	83.3	-10.6	84.0	352.6	1.00	0.00	0.82	# B58R
332	40.1	0.428	0.245																