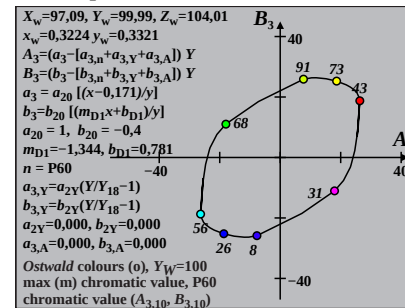
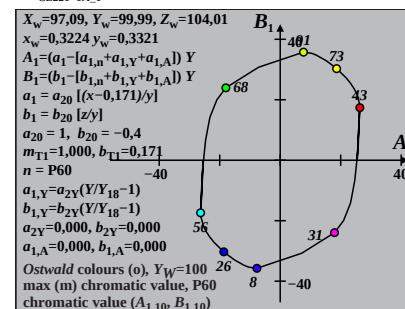
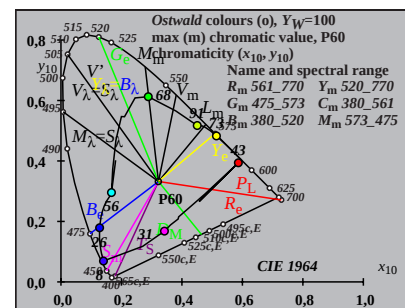


see similar files: <http://farbe.li.tu-berlin.de/CE22/CE22.HTM>
technical information: <http://farbe.li.tu-berlin.de> or <http://130.149.60.45/~farbmeterik>

Ostwald optimal colours (o) of maximum (m) $C_{AB,10}$ for P60, $Y_{w,10}=100$, $Y_m=520_770$														
i_1, λ_1	i_2, λ_2	Y_{10}	A_{10}	B_{10}	$C_{AB,10}$	a_{10}	b_{10}	$h_{AB,10}$	i_d, λ_d	i_c, λ_c	Code			
1 405	31 557	56.06	-22.77	-17.39	28.65	0.5647	-0.7263	217.3	15 477	37 587	Cm			
7 435	31 559	56.56	-28.95	-4.15	29.25	0.459	-0.4895	188.1	16 483	-1 483c				
9 450	32 561	57.37	-32.01	3.34	32.18	0.4129	-0.3577	174.0	17 489	-1 489c				
12 460	32 563	58.05	-35.14	13.39	37.61	0.3655	-0.1852	159.1	21 505	-1 505c				
13 465	33 566	59.57	-35.64	16.63	39.33	0.3725	-0.1368	154.9	22 514	-1 514c				
14 470	34 571	62.58	-35.56	20.01	40.8	0.4027	-0.0962	150.6	24 524	-1 524c				
14 475	36 580	69.18	-34.58	22.75	41.4	0.4709	-0.0871	146.6	26 531	-1 531c	Gm			
15 480	41 605	82.76	-25.44	30.04	39.37	0.6635	-0.053	130.2	30 550	-1 550c				
16 485	-1 484c	92.83	-10.41	35.45	36.95	0.8587	-0.0341	106.3	32 561	10 453				
18 490	-1 490c	89.72	-7.57	35.7	36.49	0.8865	-0.0181	101.9	32 563	11 458	max			
19 495	-1 495c	87.78	-5.71	35.36	35.82	0.9058	-0.0131	99.1	32 564	12 461				
20 500	-1 500c	85.54	-3.58	34.77	34.96	0.9291	-0.0095	95.8	33 565	12 463				
21 510	-1 509c	82.98	-1.2	33.95	33.97	0.9563	-0.0068	92.0	33 566	12 464				
24 520	-1 520c	73.29	6.88	30.31	31.09	1.0648	-0.0023	77.2	34 571	13 469	Ym			
26 530	-1 530c	65.52	12.31	27.19	29.85	1.1589	-0.0009	65.6	34 574	14 472				
28 540	-1 540c	57.09	17.17	23.73	29.3	1.2718	-0.0002	54.1	35 578	14 474				
29 545	-1 545c	52.78	19.22	21.95	29.18	1.3351	-0.0001	48.7	36 581	15 475				
30 550	-1 550c	48.45	20.93	20.16	29.06	1.4029	0.0	43.9	36 583	15 476				
31 555	-1 555c	44.14	22.26	18.36	28.86	1.4754	0.0	39.5	37 586	15 476				
31 560	8 442	45.29	29.83	1.68	29.88	1.6295	-0.3787	3.2	-1 485c	17 485				
31 557	1 405	43.93	22.77	17.39	28.65	1.4893	-0.02	37.3	37 587	15 477	Rm			
31 559	7 435	43.43	28.95	4.15	29.25	1.6375	-0.3204	8.1	-1 483c	16 483				
32 561	9 450	42.62	32.01	-3.34	32.18	1.7219	-0.4945	354.0	-1 489c	17 489				
32 563	12 460	41.94	35.14	-13.39	37.61	1.8087	-0.7354	339.1	-1 505c	21 505				
33 566	13 465	40.42	35.64	-16.63	39.33	1.8527	-0.8274	334.9	-1 514c	22 514				
34 571	14 470	37.41	35.56	-20.01	40.8	1.9215	-0.951	330.6	-1 524c	24 524				
36 580	14 475	30.81	34.58	-22.75	41.4	2.0932	-1.1545	326.6	-1 531c	26 531	Mm			
41 605	15 480	17.23	25.44	-30.04	39.37	2.4477	-2.1598	310.2	-1 550c	30 550				
-1 484c	16 485	7.16	10.41	-35.45	36.95	2.4246	-5.3649	286.3	10 453	32 561				
-1 490c	18 490	10.27	7.57	-35.7	36.49	1.7082	-3.8917	281.9	11 458	32 563	min			
-1 495c	19 495	12.21	5.71	-35.36	35.82	1.4388	-3.3127	279.1	12 461	32 564				
-1 500c	20 500	14.45	3.57	-34.77	34.96	1.2186	-2.8226	275.8	12 463	33 565				
-1 509c	21 510	17.01	1.2	-33.95	33.97	1.0419	-2.4114	272.0	12 464	33 566				
-1 520c	24 520	26.7	-6.88	-30.31	31.09	0.7132	-1.5512	257.2	13 469	34 571	Bm			
-1 530c	26 530	34.47	-12.31	-27.19	29.85	0.6137	-1.2049	245.6	14 472	34 574				
-1 540c	28 540	42.9	-17.18	-23.73	29.3	0.5705	-0.9693	234.1	14 474	35 578				
-1 545c	29 545	47.21	-19.22	-21.95	29.18	0.5638	-0.881	228.7	15 475	36 581				
-1 550c	30 550	51.54	-20.93	-20.16	29.06	0.5647	-0.8071	223.9	15 476	36 583				
-1 555c	31 555	55.85	-22.26	-18.36	28.86	0.5722	-0.7448	219.5	15 476	37 586				
8 442	31 560	54.7	-29.83	-1.68	29.88	0.4255	-0.4469	183.2	17 485	-1 485c				
380	770	99.99	0.0	0.0	0.01	0.9709	-0.416	0.0						

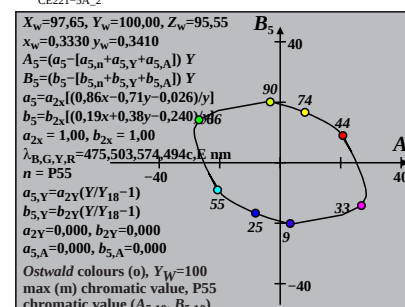
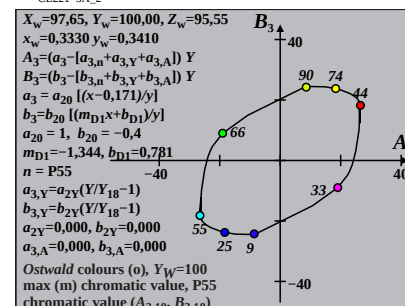
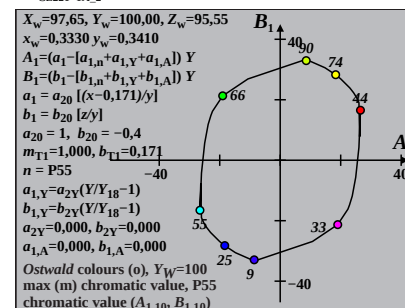
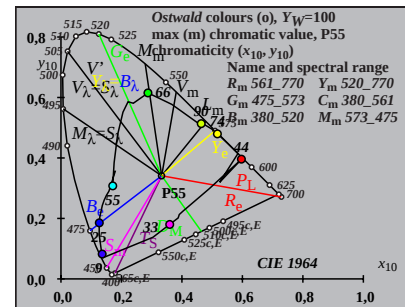
TUB-test chart CE22; CIE (x_{10}, y_{10}) and chromatic values ($A_{i,10}, B_{i,10}$) input: w/rgb/cmyk -> rgb
Ostwald optimal colours for illuminant P60; diagram for illuminant P60, $Y_{w,10}=100$



Ostwald optimal colours (o) of maximum (m) CAB_{10} for P55, $Y_{w,10}=100$, $Y_m=520_770$

i_1, λ_1	i_2, λ_2	Y_{10}	A_{10}	B_{10}	CAB_{10}	a_{10}	b_{10}	$h_{AB,10}$	i_d, λ_d	i_c, λ_c	Code
0 405	31 558	55.84	-23.47	-16.54	28.71	0.5561	-0.6784	215.1	15 477	37 587	Cm
7 435	32 560	56.27	-29.2	-4.25	29.51	0.4574	-0.4578	188.2	16 484	-1 484c	
10 450	32 561	56.6	-33.03	5.63	33.51	0.3929	-0.2825	170.3	18 493	-1 493c	
12 460	32 564	57.63	-34.85	11.84	36.8	0.3718	-0.1766	161.2	21 505	-1 505c	
12 465	33 566	59.72	-35.02	12.64	37.24	0.3901	-0.1704	160.1	21 507	-1 507c	
14 470	34 571	61.75	-35.21	17.85	39.48	0.4062	-0.0931	153.1	24 523	-1 523c	
15 475	35 579	66.7	-33.91	21.28	40.03	0.4681	-0.063	147.8	26 533	-1 533c	Gm
16 480	39 599	78.29	-26.73	26.87	37.91	0.635	-0.0389	134.8	29 548	-1 548c	
16 485	-1 484c	93.33	-9.33	32.62	33.93	0.8765	-0.0327	105.9	32 562	10 454	
17 490	-1 489c	91.95	-8.11	32.94	33.93	0.8882	-0.0239	103.8	32 563	11 456	max
19 495	-1 495c	88.5	-4.8	32.7	33.05	0.9222	-0.0127	98.3	33 565	12 461	
20 500	-1 500c	86.34	-2.73	32.2	32.31	0.9448	-0.0092	94.8	33 566	12 463	
22 510	-1 510c	81.02	2.09	30.57	30.65	1.0024	-0.0048	86.0	33 568	13 467	
24 520	-1 520c	74.38	7.53	28.25	29.24	1.0777	-0.0023	75.0	34 571	14 470	Ym
25 530	-1 529c	70.66	10.26	26.89	28.79	1.1218	-0.0015	69.1	34 573	14 471	
27 540	-1 539c	62.6	15.46	23.89	28.46	1.2236	-0.0005	57.0	35 577	14 474	
28 545	-1 544c	58.35	17.8	22.28	28.52	1.2817	-0.0002	51.3	35 579	15 475	
29 550	-1 549c	54.04	19.87	20.65	28.66	1.3442	0.0	46.1	36 581	15 475	
31 555	-1 555c	45.37	22.97	17.34	28.78	1.4829	0.0	37.0	37 586	15 477	
32 560	6 430	41.55	27.67	7.79	28.75	1.6425	-0.1946	15.7	45 629	16 482	
31 558	0 405	44.15	23.47	16.54	28.71	1.5082	-0.0075	35.1	37 587	15 477	Rm
32 560	7 435	43.72	29.2	4.25	29.51	1.6445	-0.2849	8.2	-1 484c	16 484	
32 561	10 450	43.39	33.03	-5.63	33.51	1.7378	-0.5121	350.3	-1 493c	18 493	
32 564	12 460	42.36	34.85	-11.84	36.8	1.7991	-0.6619	341.2	-1 505c	21 505	
33 566	12 465	40.27	35.02	-12.64	37.24	1.8463	-0.6963	340.1	-1 507c	21 507	
34 571	14 470	38.24	35.21	-17.85	39.48	1.8972	-0.8489	333.1	-1 523c	24 523	
35 579	15 475	33.29	33.91	-21.28	40.03	1.995	-1.0215	327.8	-1 533c	26 533	Mm
39 599	16 480	21.7	26.73	-26.87	37.91	2.2087	-1.6206	314.8	-1 548c	29 548	
-1 484c	16 485	6.66	9.33	-32.62	33.93	2.3771	-5.2753	285.9	10 454	32 562	
-1 489c	17 490	8.04	8.11	-32.94	33.93	1.9859	-4.4787	283.8	11 456	32 563	min
-1 495c	19 495	11.49	4.8	-32.7	33.05	1.3948	-3.2265	278.3	12 461	33 565	
-1 500c	20 500	13.65	2.73	-32.2	32.31	1.177	-2.7397	274.8	12 463	33 566	
-1 510c	22 510	18.97	-2.09	-30.57	30.65	0.8661	-1.9939	266.0	13 467	33 568	
-1 520c	24 520	25.61	-7.53	-28.25	29.24	0.6825	-1.4854	255.0	14 470	34 571	Bm
-1 529c	25 530	29.33	-10.26	-26.89	28.79	0.6265	-1.2992	249.1	14 471	34 573	
-1 539c	27 540	37.39	-15.46	-23.89	28.46	0.5629	-1.021	237.0	14 474	35 577	
-1 544c	28 545	41.64	-17.8	-22.28	28.52	0.5489	-0.9173	231.3	15 475	35 579	
-1 549c	29 550	45.95	-19.87	-20.65	28.66	0.5441	-0.8315	226.1	15 475	36 581	
-1 555c	31 555	54.62	-22.97	-17.34	28.78	0.5559	-0.6996	217.0	15 477	37 586	
6 430	32 560	58.44	-27.67	-7.79	28.75	0.503	-0.5155	195.7	16 482	45 629	
380	770	100.0	0.0	0.0	0.01	0.9765	-0.3822	0.0			

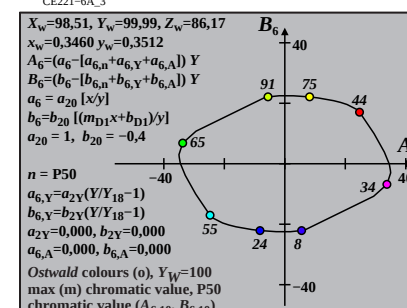
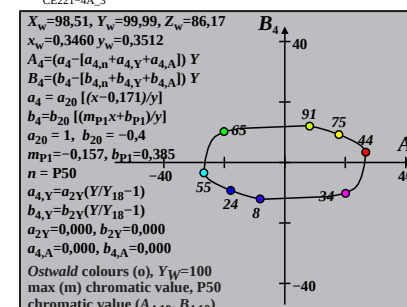
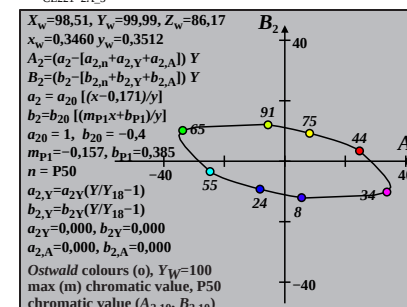
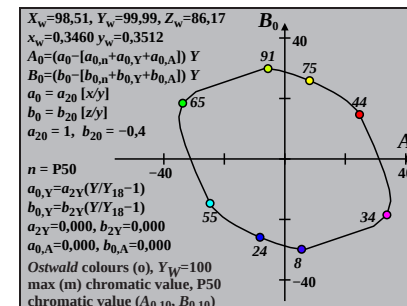
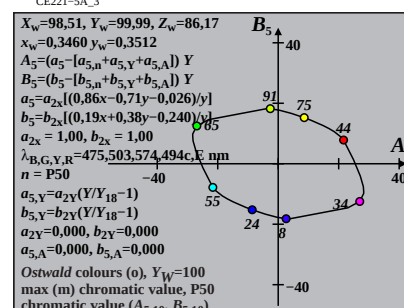
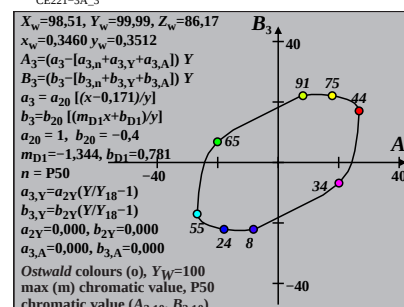
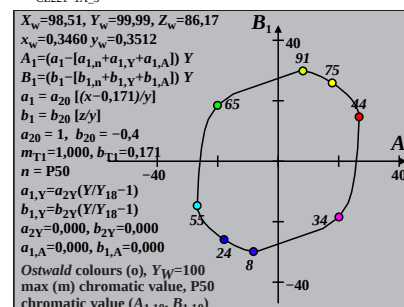
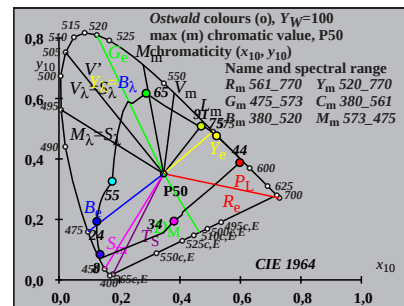
TUB-test chart CE22; CIE (x_{10}, y_{10}) and chromatic values ($A_{i,10}, B_{i,10}$) input: w/rgb/cmyk -> rgb
Ostwald optimal colours for illuminant P55; diagram for illuminant P55, $Y_{w,10}=100$



Ostwald optimal colours (o) of maximum (m) $C_{AB,10}$ for P50, $Y_{w,10}=100$, $Y_m=520_770$

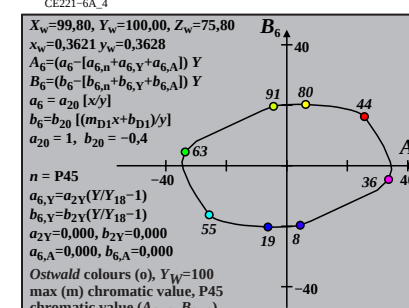
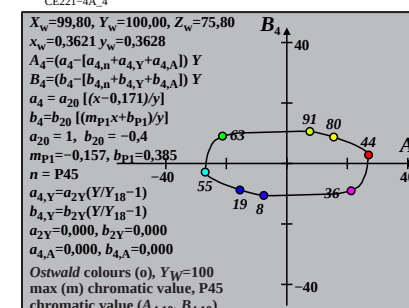
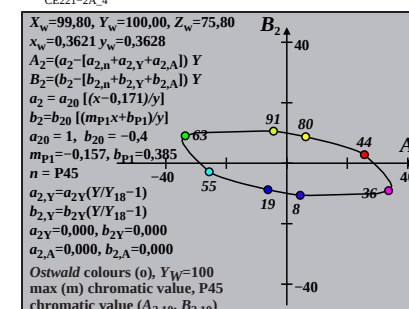
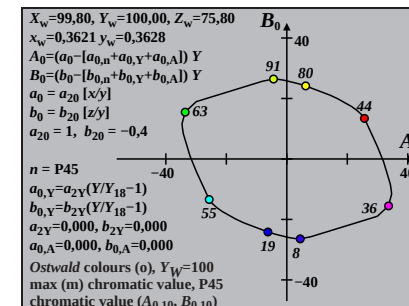
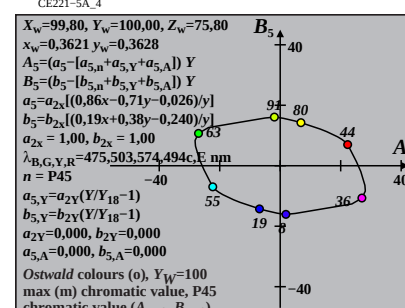
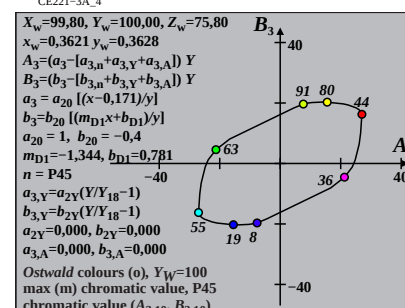
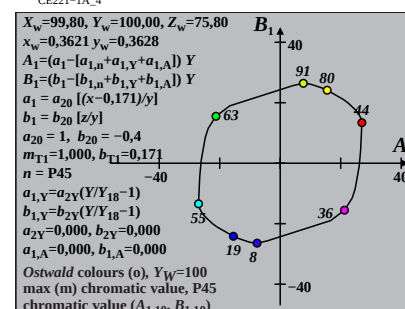
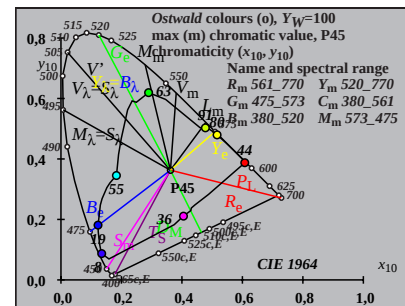
i_1, λ_1	i_2, λ_2	Y_{10}	A_{10}	B_{10}	$C_{AB,10}$	a_{10}	b_{10}	$h_{AB,10}$	i_d, λ_d	i_c, λ_c	Code
1 405	32 560	55.5	-24.72	-14.69	28.76	0.5395	-0.6093	210.7	15 479	37 589	Cm
7 435	32 561	55.89	-29.47	-4.31	29.79	0.4577	-0.4219	188.3	17 485	-1 485c	
9 450	32 562	56.57	-31.94	1.77	31.99	0.4204	-0.3133	176.8	18 490	-1 490c	
12 460	33 565	57.12	-34.56	10.18	36.03	0.38	-0.1664	163.5	21 505	-1 505c	
13 465	33 567	58.35	-34.91	12.83	37.2	0.3867	-0.1246	159.8	22 513	-1 513c	
14 470	34 571	60.79	-34.86	15.52	38.16	0.4116	-0.0892	155.9	24 523	-1 523c	
14 475	35 578	66.09	-34.27	17.35	38.42	0.4665	-0.082	153.1	25 529	-1 529c	Gm
16 480	38 593	74.98	-28.52	22.93	36.6	0.6047	-0.0387	141.1	29 546	-1 546c	
17 485	-1 485c	92.59	-6.99	29.81	30.62	0.9095	-0.0227	103.2	32 564	11 457	
18 490	-1 490c	91.09	-5.55	29.87	30.39	0.9241	-0.0166	100.5	33 565	11 459	max
18 495	-1 494c	91.09	-5.55	29.87	30.39	0.9241	-0.0166	100.5	33 565	11 459	
20 500	-1 500c	87.25	-1.83	29.3	29.35	0.9641	-0.0088	93.5	33 566	12 464	
22 510	-1 510c	82.13	2.87	27.92	28.07	1.02	-0.0046	84.1	33 569	13 467	Ym
24 520	-1 520c	75.67	8.21	25.91	27.18	1.0936	-0.0022	72.4	34 572	14 470	
26 530	-1 530c	68.14	13.57	23.42	27.07	1.1843	-0.0009	59.9	35 575	14 473	
28 540	-1 540c	59.85	18.48	20.61	27.68	1.2938	-0.0002	48.1	35 579	15 475	
29 545	-1 545c	55.55	20.57	19.14	28.1	1.3554	0.0	42.9	36 581	15 476	
30 550	-1 550c	51.21	22.35	17.65	28.48	1.4215	0.0	38.2	36 584	15 477	
31 555	-1 555c	46.85	23.76	16.15	28.73	1.4922	0.0	34.2	37 586	15 478	
32 560	-1 560c	42.52	24.74	14.65	28.76	1.567	0.0	30.6	37 589	15 479	
32 560	1 405	44.49	24.72	14.69	28.76	1.5407	-0.0145	30.7	37 589	15 479	Rm
32 561	7 435	44.1	29.47	4.31	29.79	1.6535	-0.2467	8.3	-1 485c	17 485	
32 562	9 450	43.42	31.94	-1.77	31.99	1.7207	-0.3854	356.8	-1 490c	18 490	
33 565	12 460	42.87	34.56	-10.18	36.03	1.7913	-0.5821	343.5	-1 505c	21 505	
33 567	13 465	41.64	34.91	-12.83	37.2	1.8235	-0.6529	339.8	-1 513c	22 513	
34 571	14 470	39.2	34.86	-15.52	38.16	1.8742	-0.7407	335.9	-1 523c	24 523	
35 578	14 475	33.9	34.27	-17.35	38.42	1.9961	-0.8566	333.1	-1 529c	25 529	Mm
38 593	16 480	25.01	28.52	-22.93	36.6	2.1253	-1.2617	321.1	-1 546c	29 546	
-1 485c	17 485	7.4	6.99	-29.81	30.62	1.9306	-4.373	283.2	11 457	32 564	
-1 490c	18 490	8.9	5.55	-29.87	30.39	1.6088	-3.699	280.5	11 459	33 565	min
-1 494c	18 495	8.9	5.55	-29.87	30.39	1.6088	-3.699	280.5	11 459	33 565	
-1 500c	20 500	12.74	1.83	-29.3	29.35	1.1287	-2.6431	273.5	12 464	33 566	
-1 510c	22 510	17.86	-2.87	-27.92	28.07	0.8244	-1.9076	264.1	13 467	33 569	
-1 520c	24 520	24.32	-8.21	-25.91	27.18	0.6475	-1.4096	252.4	14 470	34 572	Bm
-1 530c	26 530	31.85	-13.57	-23.42	27.07	0.5588	-1.0801	239.9	14 473	35 575	
-1 540c	28 540	40.14	-18.48	-20.61	27.68	0.5247	-0.8581	228.1	15 475	35 579	
-1 545c	29 545	44.44	-20.57	-19.14	28.1	0.5221	-0.7754	222.9	15 476	36 581	
-1 550c	30 550	48.78	-22.35	-17.65	28.48	0.5268	-0.7065	218.2	15 477	36 584	
-1 555c	31 555	53.14	-23.76	-16.15	28.73	0.5379	-0.6486	214.2	15 478	37 586	
-1 560c	32 560	57.47	-24.74	-14.65	28.76	0.5544	-0.5997	210.6	15 479	37 589	
380	770	99.99	0.0	0.0	0.01	0.9851	-0.3446	0.0			

TUB-test chart CE22; CIE (x_{10}, y_{10}) and chromatic values ($A_{i,10}, B_{i,10}$) input: w/rgb/cmyk -> rgb
Ostwald optimal colours for illuminant P50; diagram for illuminant P50, $Y_{w,10}=100$



Ostwald optimal colours (o) of maximum (m) $C_{AB,10}$ for P45, $Y_{w,10}=100$, $Y_m=520_770$

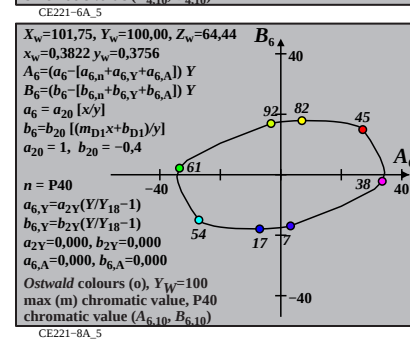
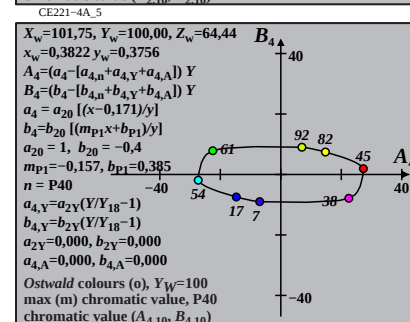
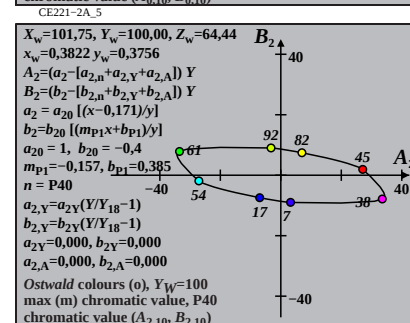
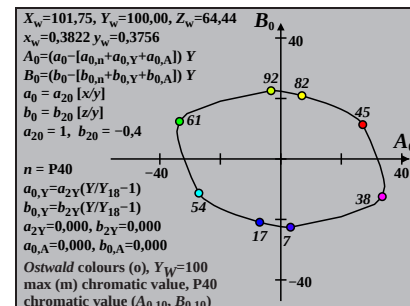
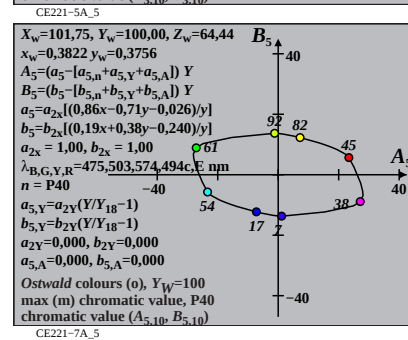
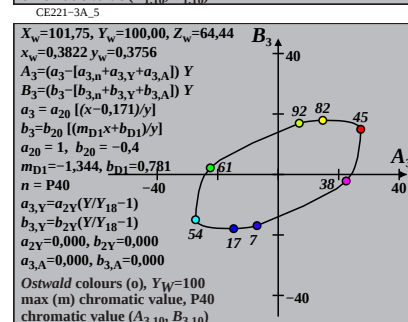
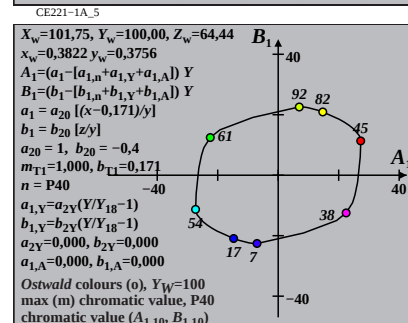
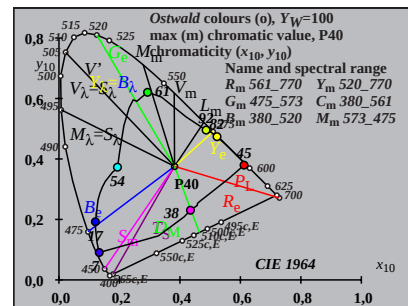
i_1, λ_1	i_2, λ_2	Y_{10}	A_{10}	B_{10}	$C_{AB,10}$	a_{10}	b_{10}	$h_{AB,10}$	i_d, λ_d	i_c, λ_c	Code
1 405	32 561	55.06	-25.82	-13.09	28.95	0.5291	-0.5411	206.8	16 480	38 590	Cm
7 435	32 562	55.42	-29.85	-4.31	30.16	0.4594	-0.381	188.2	17 486	-1 486c	
10 450	32 564	55.71	-32.86	3.43	33.04	0.4081	-0.2415	174.0	18 494	-1 494c	
11 460	33 566	56.99	-33.77	6.28	34.35	0.4054	-0.193	169.4	19 499	-1 499c	
13 465	33 568	57.58	-34.57	10.74	36.2	0.3976	-0.1166	162.7	22 513	-1 513c	
13 470	34 571	60.41	-34.65	11.6	36.54	0.4243	-0.1111	161.4	23 516	-1 516c	
15 475	35 577	63.43	-33.64	15.5	37.04	0.4676	-0.0587	155.2	26 532	-1 532c	Gm
15 480	37 589	72.59	-30.72	18.28	35.75	0.5747	-0.0513	149.2	28 542	-1 542c	
17 485	51 659	92.6	-6.91	26.08	26.98	0.9233	-0.0215	104.8	32 564	10 454	
18 490	-1 490c	91.92	-4.42	26.42	26.79	0.9499	-0.0157	99.4	33 566	12 460	max
19 495	-1 495c	90.26	-2.77	26.32	26.47	0.9672	-0.0115	96.0	33 566	12 462	
20 500	-1 500c	88.3	-0.86	26.03	26.04	0.9882	-0.0084	91.9	33 567	12 464	
22 510	-1 510c	83.42	3.68	24.92	25.19	1.0421	-0.0044	81.6	34 570	13 468	Ym
23 520	-1 519c	80.46	6.24	24.14	24.94	1.0756	-0.0031	75.4	34 571	14 470	
25 530	-1 529c	73.64	11.59	22.22	25.06	1.1555	-0.0014	62.4	34 574	14 473	
27 540	-1 539c	65.84	16.79	19.93	26.06	1.2531	-0.0005	49.8	35 578	15 475	
29 545	-1 545c	57.39	21.31	17.39	27.51	1.3694	0.0	39.2	36 582	15 477	
29 550	-1 549c	57.39	21.31	17.39	27.51	1.3694	0.0	39.2	36 582	15 477	
30 555	-1 554c	53.06	23.15	16.08	28.19	1.4343	0.0	34.7	36 584	15 478	
32 560	-1 560c	44.31	25.67	13.43	28.97	1.5774	0.0	27.6	38 590	16 480	
32 561	1 405	44.93	25.82	13.09	28.95	1.5726	-0.0117	26.8	38 590	16 480	Rm
32 562	7 435	44.57	29.85	4.31	30.16	1.6678	-0.2063	8.2	-1 486c	17 486	
32 564	10 450	44.28	32.86	-3.43	33.04	1.7401	-0.3808	354.0	-1 494c	18 494	
33 566	11 460	43.0	33.77	-6.28	34.35	1.7833	-0.4492	349.4	-1 499c	19 499	
33 568	13 465	42.41	34.57	-10.74	36.2	1.8131	-0.5565	342.7	-1 513c	22 513	
34 571	13 470	39.58	34.65	-11.6	36.54	1.8735	-0.5963	341.4	-1 516c	23 516	
35 577	15 475	36.56	33.64	-15.5	37.04	1.9179	-0.7272	335.2	-1 532c	26 532	Mm
37 589	15 480	27.4	30.72	-18.28	35.75	2.119	-0.9702	329.2	-1 542c	28 542	
51 659	17 485	7.39	6.91	-26.08	26.98	1.933	-3.8322	284.8	10 454	32 564	
-1 490c	18 490	8.07	4.42	-26.42	26.79	1.5454	-3.5757	279.4	12 460	33 566	min
-1 495c	19 495	9.73	2.77	-26.32	26.47	1.2833	-3.0066	276.0	12 462	33 566	
-1 500c	20 500	11.69	0.86	-26.03	26.04	1.0721	-2.5925	271.9	12 464	33 567	
-1 510c	22 510	16.57	-3.68	-24.92	25.19	0.776	-1.807	261.6	13 468	34 570	
-1 519c	23 520	19.53	-6.24	-24.14	24.94	0.6782	-1.5393	255.4	14 470	34 571	Bm
-1 529c	25 530	26.35	-11.59	-22.22	25.06	0.5579	-1.1464	242.4	14 473	34 574	
-1 539c	27 540	34.15	-16.79	-19.93	26.06	0.5063	-0.8866	229.8	15 475	35 578	
-1 545c	29 545	42.6	-21.31	-17.39	27.51	0.4975	-0.7116	219.2	15 477	36 582	
-1 549c	29 550	42.6	-21.31	-17.39	27.51	0.4975	-0.7116	219.2	15 477	36 582	
-1 554c	30 555	46.93	-23.15	-16.08	28.19	0.5047	-0.646	214.7	15 478	36 584	
-1 560c	32 560	55.68	-25.67	-13.43	28.97	0.5369	-0.5445	207.6	16 480	38 590	
380	770	100.0	0.0	0.0	0.01	0.998	-0.3032	0.0			



Ostwald optimal colours (o) of maximum (m) $C_{AB,10}$ for P40, $Y_{w,10}=100$, $Y_m=520_770$

i_1, λ_1	i_2, λ_2	Y_{10}	A_{10}	B_{10}	$C_{AB,10}$	a_{10}	b_{10}	$h_{AB,10}$	i_d, λ_d	i_c, λ_c	Code
0 405	32 563	54.51	-26.99	-11.55	29.36	0.5223	-0.4697	203.1	16 481	38 591	Cm
7 435	32 564	54.82	-30.38	-4.21	30.67	0.4633	-0.3347	187.9	17 487	-1 487c	
10 450	33 565	55.07	-32.85	2.3	32.93	0.4209	-0.216	175.9	19 495	-1 495c	
12 460	33 567	55.74	-33.98	6.54	34.61	0.4078	-0.1403	169.0	21 505	-1 505c	
12 465	33 568	57.17	-34.12	6.91	34.81	0.4206	-0.1368	168.5	21 506	-1 506c	
14 470	34 571	58.4	-34.2	10.47	35.77	0.4318	-0.0784	162.9	24 521	-1 521c	
15 475	35 576	61.5	-33.53	12.44	35.76	0.4722	-0.0555	159.6	26 531	-1 531c	Gm
16 480	37 585	67.98	-30.99	15.0	34.43	0.5616	-0.0371	154.1	28 542	-1 542c	
17 485	42 611	82.81	-18.97	19.49	27.2	0.7884	-0.0223	134.2	31 558	-1 558c	
17 490	-1 489c	94.15	-4.49	22.42	22.86	0.9698	-0.0196	101.3	33 566	11 458	max
19 495	-1 495c	91.34	-1.68	22.56	22.62	0.9991	-0.0107	94.2	33 568	12 463	
20 500	-1 500c	89.52	0.12	22.37	22.37	1.0189	-0.0078	89.6	33 569	13 465	
22 510	-1 510c	84.94	4.48	21.54	22.0	1.0703	-0.0041	78.2	34 571	13 469	
23 520	-1 519c	82.13	6.97	20.92	22.06	1.1024	-0.0029	71.5	34 572	14 471	Ym
25 530	-1 529c	75.59	12.23	19.38	22.92	1.1794	-0.0013	57.7	35 575	14 474	
28 540	-1 540c	63.89	19.86	16.45	25.79	1.3284	-0.0002	39.6	36 581	15 477	
28 545	-1 544c	63.89	19.86	16.45	25.79	1.3284	-0.0002	39.6	36 581	15 477	
30 550	-1 550c	55.35	23.97	14.26	27.89	1.4506	0.0	30.7	37 585	15 479	
31 555	-1 555c	50.95	25.53	13.13	28.71	1.5185	0.0	27.2	37 587	16 480	
31 560	-1 559c	50.95	25.53	13.13	28.71	1.5185	0.0	27.2	37 587	16 480	
32 563	0 405	45.48	26.99	11.55	29.36	1.6108	-0.0037	23.1	38 591	16 481	Rm
32 564	7 435	45.17	30.38	4.21	30.67	1.69	-0.1644	7.9	-1 487c	17 487	
33 565	10 450	44.92	32.85	-2.3	32.93	1.7488	-0.309	355.9	-1 495c	19 495	
33 567	12 460	44.25	33.98	-6.54	34.61	1.7854	-0.4057	349.0	-1 505c	21 505	
33 568	12 465	42.82	34.12	-6.91	34.81	1.8142	-0.4192	348.5	-1 506c	21 506	
34 571	14 470	41.59	34.2	-10.47	35.77	1.8399	-0.5096	342.9	-1 521c	24 521	
35 576	15 475	38.49	33.53	-12.44	35.76	1.8886	-0.5809	339.6	-1 531c	26 531	Mm
37 585	16 480	32.01	30.99	-15.0	34.43	1.9856	-0.7264	334.1	-1 542c	28 542	
42 611	17 485	17.18	18.97	-19.49	27.2	2.1216	-1.3924	314.2	-1 558c	31 558	
-1 489c	17 490	5.84	4.49	-22.42	22.86	1.7863	-4.0958	281.3	11 458	33 566	min
-1 495c	19 495	8.65	1.67	-22.56	22.62	1.2115	-2.8646	274.2	12 463	33 568	
-1 500c	20 500	10.47	-0.12	-22.37	22.37	1.0051	-2.3947	269.6	13 465	33 569	
-1 510c	22 510	15.05	-4.48	-21.54	22.0	0.7194	-1.6888	258.2	13 469	34 571	
-1 519c	23 520	17.86	-6.97	-20.92	22.06	0.6269	-1.4294	251.5	14 471	34 572	Bm
-1 529c	25 530	24.4	-12.23	-19.38	22.92	0.516	-1.0518	237.7	14 474	35 575	
-1 540c	28 540	36.1	-19.86	-16.45	25.79	0.4671	-0.7135	219.6	15 477	36 581	
-1 544c	28 545	36.1	-19.86	-16.45	25.79	0.4671	-0.7135	219.6	15 477	36 581	
-1 550c	30 550	44.64	-23.97	-14.26	27.89	0.4805	-0.5773	210.7	15 479	37 585	
-1 555c	31 555	49.04	-25.53	-13.13	28.71	0.4968	-0.5256	207.2	16 480	37 587	
-1 559c	31 560	49.04	-25.53	-13.13	28.71	0.4968	-0.5256	207.2	16 480	37 587	
380	770	100.0	0.0	0.0	0.01	1.0175	-0.2577	0.0			

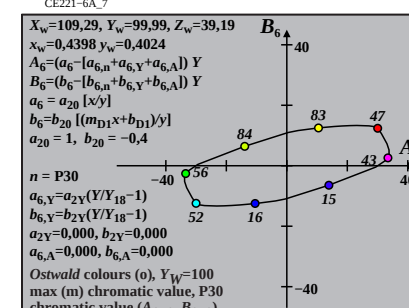
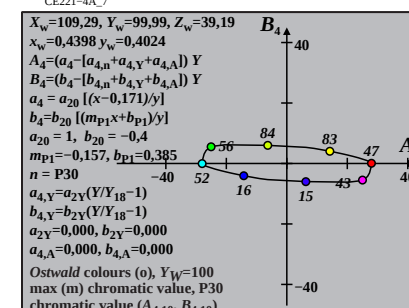
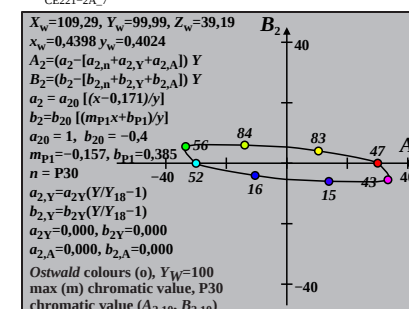
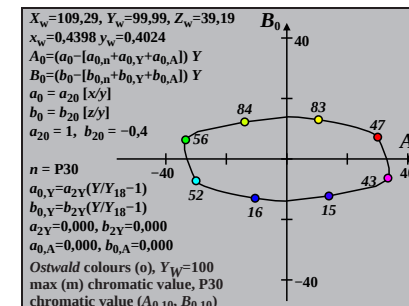
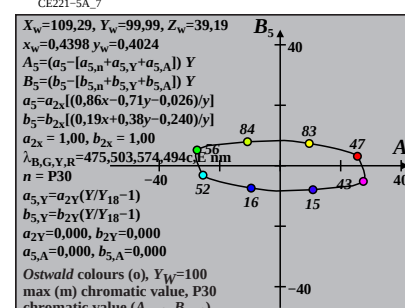
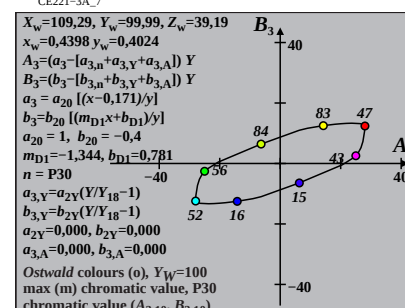
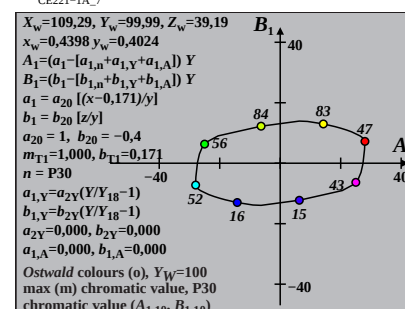
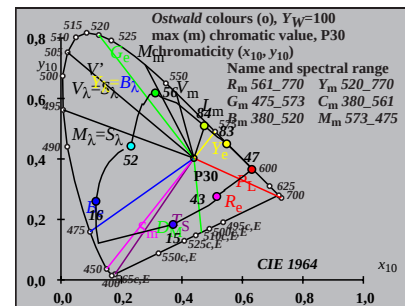
TUB-test chart CE22; CIE (x_{10}, y_{10}) and chromatic values ($A_{i,10}, B_{i,10}$) input: w/rgb/cmyk -> rgb
Ostwald optimal colours for illuminant P40; diagram for illuminant P40, $Y_{w,10}=100$



Ostwald optimal colours (o) of maximum (m) $C_{AB,10}$ for P30, $Y_{w,10}=100$, $Y_m=520_770$

i_1, λ_1	i_2, λ_2	Y_{10}	A_{10}	B_{10}	$C_{AB,10}$	a_{10}	b_{10}	$h_{AB,10}$	i_d, λ_d	i_c, λ_c	Code
1 405	33 569	52.67	-30.03	-7.24	30.89	0.5228	-0.2942	193.5	17 486	39 596	Cm
6 435	33 569	52.97	-31.28	-4.58	31.61	0.5025	-0.2433	188.3	17 489	43 615	
9 450	34 570	53.24	-32.7	-1.04	32.71	0.4787	-0.1763	181.8	18 494	-1 494c	
12 460	34 571	53.48	-33.74	2.86	33.86	0.4619	-0.1032	175.1	21 505	-1 505c	
13 465	34 572	54.01	-33.87	4.09	34.12	0.4658	-0.0809	173.1	22 512	-1 512c	
14 470	34 573	55.05	-33.82	5.25	34.23	0.4784	-0.0614	171.1	24 520	-1 520c	
14 475	35 576	57.35	-33.78	5.61	34.24	0.5039	-0.0589	170.5	24 523	-1 523c	Gm
15 480	36 581	60.98	-32.97	6.98	33.7	0.5522	-0.0422	168.0	26 534	-1 534c	
16 485	38 590	67.78	-30.21	8.68	31.43	0.6472	-0.0287	163.9	29 546	-1 546c	
18 490	44 620	84.98	-13.94	12.23	18.54	0.9289	-0.0128	138.7	32 564	-1 564c	max
19 495	-1 495c	94.0	0.43	13.93	13.94	1.0975	-0.0085	88.2	34 572	13 465	
20 500	-1 500c	92.59	1.95	13.92	14.06	1.114	-0.0063	81.9	34 572	13 467	
21 510	-1 509c	90.89	3.73	13.82	14.31	1.134	-0.0047	74.8	34 573	13 469	
23 520	-1 519c	86.52	8.03	13.35	15.58	1.1857	-0.0024	58.9	35 575	14 473	Ym
26 530	-1 530c	77.56	15.61	12.1	19.75	1.2942	-0.0007	37.7	35 579	15 478	
28 540	-1 540c	70.17	20.77	10.98	23.49	1.3889	-0.0002	27.8	36 583	16 481	
29 545	-1 545c	66.16	23.15	10.36	25.37	1.4429	0.0	24.1	37 585	16 482	
30 550	-1 550c	61.97	25.32	9.71	27.12	1.5014	0.0	20.9	37 587	16 483	
31 555	-1 555c	57.64	27.18	9.03	28.65	1.5645	0.0	18.3	37 589	16 484	
32 560	-1 560c	53.2	28.67	8.34	29.86	1.6318	0.0	16.2	38 592	17 485	
33 569	1 405	47.32	30.03	7.24	30.89	1.7275	-0.0037	13.5	39 596	17 486	Rm
33 569	6 435	47.02	31.28	4.58	31.61	1.7581	-0.0592	8.3	43 615	17 489	
34 570	9 450	46.75	32.7	1.04	32.71	1.7922	-0.1345	1.8	-1 494c	18 494	
34 571	12 460	46.51	33.74	-2.86	33.86	1.8184	-0.2183	355.1	-1 505c	21 505	
34 572	13 465	45.98	33.87	-4.09	34.11	1.8295	-0.2458	353.1	-1 512c	22 512	
34 573	14 470	44.94	33.82	-5.25	34.23	1.8455	-0.2736	351.1	-1 520c	24 520	
35 576	14 475	42.64	33.78	-5.61	34.24	1.8851	-0.2884	350.5	-1 523c	24 523	Mm
36 581	15 480	39.01	32.97	-6.98	33.7	1.9382	-0.3358	348.0	-1 534c	26 534	
38 590	16 485	32.21	30.21	-8.68	31.43	2.0306	-0.4262	343.9	-1 546c	29 546	
44 620	18 490	15.01	13.94	-12.23	18.54	2.0215	-0.9719	318.7	-1 564c	32 564	min
-1 495c	19 495	5.99	-0.43	-13.93	13.94	1.0201	-2.483	268.2	13 465	34 572	
-1 500c	20 500	7.4	-1.95	-13.92	14.06	0.8286	-2.0367	261.9	13 467	34 572	
-1 509c	21 510	9.1	-3.73	-13.82	14.31	0.6826	-1.6742	254.8	13 469	34 573	
-1 519c	23 520	13.47	-8.03	-13.35	15.58	0.4969	-1.1474	238.9	14 473	35 575	Bm
-1 530c	26 530	22.43	-15.61	-12.1	19.75	0.3968	-0.6964	217.7	15 478	35 579	
-1 540c	28 540	29.82	-20.77	-10.98	23.49	0.3964	-0.5252	207.8	16 481	36 583	
-1 545c	29 545	33.83	-23.15	-10.36	25.37	0.4084	-0.4632	204.1	16 482	37 585	
-1 550c	30 550	38.02	-25.32	-9.71	27.12	0.4269	-0.4123	200.9	16 483	37 587	
-1 555c	31 555	42.35	-27.18	-9.03	28.65	0.451	-0.3701	198.3	16 484	37 589	
-1 560c	32 560	46.79	-28.67	-8.34	29.86	0.4801	-0.335	196.2	17 485	38 592	
380	770	99.99	0.0	0.0	0.01	1.0929	-0.1567	0.0			

TUB-test chart CE22; CIE (x_{10}, y_{10}) and chromatic values ($A_{i,10}, B_{i,10}$) input: w/rgb/cmyk -> rgb
Ostwald optimal colours for illuminant P30; diagram for illuminant P30, $Y_{w,10}=100$



Ostwald optimal colours (o) of maximum (m) $C_{AB,10}$ for P25, $Y_{w,10}=100$, $Y_m=520_770$

i_1, λ_1	i_2, λ_2	Y_{10}	A_{10}	B_{10}	$C_{AB,10}$	a_{10}	b_{10}	$h_{AB,10}$	i_d, λ_d	i_c, λ_c	Code
1 405	34 573	51.09	-31.49	-5.02	31.89	0.549	-0.2028	189.0	18 490	39 599	Cm
6 435	34 573	51.3	-32.19	-3.5	32.38	0.5379	-0.1729	186.2	18 492	42 613	
9 450	34 573	51.5	-33.06	-1.3	33.09	0.5234	-0.1299	182.2	19 497	-1 497c	
12 460	34 574	51.67	-33.77	1.28	33.79	0.5118	-0.0796	177.8	21 506	-1 506c	
12 465	35 575	52.27	-33.83	1.34	33.86	0.518	-0.0787	177.7	21 507	-1 507c	
13 470	35 576	53.01	-33.87	2.22	33.94	0.5265	-0.0624	176.2	22 513	-1 513c	
15 475	35 577	53.87	-33.47	3.61	33.67	0.544	-0.0375	173.8	25 527	-1 527c	Gm
16 480	36 580	56.11	-32.9	4.31	33.18	0.5791	-0.0276	172.5	27 536	-1 536c	
17 485	37 586	60.05	-31.5	5.09	31.91	0.6407	-0.0197	170.8	28 544	-1 544c	
18 490	39 597	68.64	-27.07	6.27	27.78	0.771	-0.013	166.9	31 555	-1 555c	max
19 495	58 690	95.41	0.93	9.3	9.34	1.1752	-0.007	84.2	35 575	13 466	
20 500	-1 500c	94.45	2.51	9.37	9.7	1.192	-0.0053	74.9	35 575	13 469	
21 510	-1 509c	93.06	4.07	9.35	10.2	1.2092	-0.0039	66.4	35 576	14 471	
24 520	-1 520c	87.05	10.24	8.97	13.61	1.283	-0.0015	41.2	35 579	15 477	Ym
26 530	-1 530c	81.48	15.21	8.46	17.41	1.3521	-0.0006	29.0	36 581	16 481	
27 540	-1 539c	78.23	17.82	8.14	19.6	1.3933	-0.0003	24.5	36 583	16 482	
28 545	-1 544c	74.69	20.43	7.79	21.87	1.439	-0.0001	20.8	37 585	16 484	
29 550	-1 549c	70.92	22.95	7.41	24.12	1.4891	0.0	17.8	37 586	17 485	
31 555	-1 555c	62.71	27.42	6.55	28.19	1.6027	0.0	13.4	38 591	17 487	
31 560	-1 559c	62.71	27.42	6.55	28.19	1.6027	0.0	13.4	38 591	17 487	
34 573	1 405	48.9	31.49	5.02	31.89	1.8094	-0.0018	9.0	39 599	18 490	Rm
34 573	6 435	48.69	32.19	3.5	32.38	1.8266	-0.0324	6.2	42 613	18 492	
34 573	9 450	48.49	33.06	1.3	33.09	1.8472	-0.0776	2.2	-1 497c	19 497	
34 574	12 460	48.32	33.77	-1.28	33.79	1.8643	-0.1311	357.8	-1 506c	21 506	
35 575	12 465	47.72	33.83	-1.34	33.86	1.8744	-0.1328	357.7	-1 507c	21 507	
35 576	13 470	46.98	33.87	-2.22	33.94	1.8864	-0.152	356.2	-1 513c	22 513	
35 577	15 475	46.12	33.47	-3.61	33.67	1.8913	-0.1828	353.8	-1 527c	25 527	Mm
36 580	16 480	43.88	32.9	-4.31	33.18	1.9151	-0.2028	352.5	-1 536c	27 536	
37 586	17 485	39.94	31.5	-5.09	31.91	1.954	-0.232	350.8	-1 544c	28 544	
39 597	18 490	31.35	27.07	-6.27	27.78	2.0288	-0.3048	346.9	-1 555c	31 555	min
58 690	19 495	4.58	-0.93	-9.29	9.34	0.9606	-2.1308	264.2	13 466	35 575	
-1 500c	20 500	5.54	-2.51	-9.37	9.7	0.7111	-1.7955	254.9	13 469	35 575	
-1 509c	21 510	6.93	-4.07	-9.35	10.2	0.5776	-1.4536	246.4	14 471	35 576	
-1 520c	24 520	12.94	-10.24	-8.97	13.61	0.374	-0.7977	221.2	15 477	35 579	Bm
-1 530c	26 530	18.51	-15.21	-8.46	17.41	0.3437	-0.5618	209.0	16 481	36 581	
-1 539c	27 540	21.76	-17.82	-8.14	19.6	0.3464	-0.4789	204.5	16 482	36 583	
-1 544c	28 545	25.3	-20.43	-7.79	21.87	0.3576	-0.4126	200.8	16 484	37 585	
-1 549c	29 550	29.07	-22.95	-7.41	24.12	0.3759	-0.3594	197.8	17 485	37 586	
-1 555c	31 555	37.28	-27.42	-6.55	28.19	0.4298	-0.2804	193.4	17 487	38 591	
-1 559c	31 560	37.28	-27.42	-6.55	28.19	0.4298	-0.2804	193.4	17 487	38 591	
380	770	99.99	0.0	0.0	0.01	1.1654	-0.1045	0.0			

TUB-test chart CE22; CIE (x_{10}, y_{10}) and chromatic values ($A_{i,10}, B_{i,10}$) input: w/rgb/cmyk -> rgb
Ostwald optimal colours for illuminant P25; diagram for illuminant P25, $Y_{w,10}=100$

