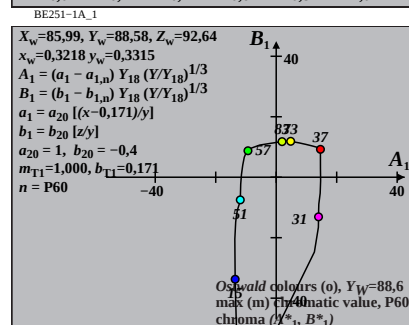
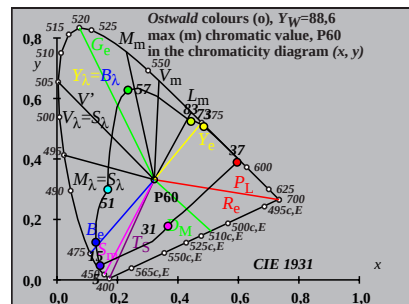


Ostwald optimal colours (o) of maximum (m) C_{AB} for P60, $Y_w=88,6$, $Y_m=520\text{--}770$

i_1, λ_1	i_2, λ_2	L^*	a^*	b^*	C^*_{ab}	a'	b'	h_{ab}	i_d, λ_d	i_c, λ_c	Code
0 405	32 563	76.78	-66.3	-31.53	73.42	0.1809	-0.1017	205.4	16 483	38 590	Cm
6 435	32 563	77.07	-81.64	-16.69	83.33	0.1727	-0.0938	191.5	17 487	44 621	
10 450	33 565	77.39	-106.21	12.97	107.0	0.1596	-0.0781	173.0	19 497	-1 497c	
11 460	33 566	78.03	-110.35	23.32	112.78	0.1578	-0.0727	168.0	20 502	-1 502c	
13 465	33 568	78.32	-117.88	44.11	125.86	0.154	-0.0619	159.4	22 513	-1 513c	
14 470	34 570	79.09	-117.51	55.58	129.99	0.1547	-0.0561	154.6	24 521	-1 521c	
15 475	34 574	80.36	-113.06	67.46	131.66	0.1578	-0.0504	149.1	25 529	-1 529c	Gm
15 480	36 580	82.9	-102.54	71.82	125.19	0.1647	-0.0492	144.9	27 535	-1 535c	
17 485	39 595	86.55	-77.68	95.39	123.02	0.1788	-0.0391	129.1	29 549	-1 549c	
18 490	-1 490c	93.22	-21.11	114.46	116.39	0.2072	-0.0333	100.4	33 566	11 459	max
19 495	-1 495c	92.66	-18.79	120.57	122.03	0.2082	-0.0302	98.8	33 567	12 461	
20 500	-1 500c	91.95	-15.76	126.08	127.06	0.2095	-0.0273	97.1	33 568	12 464	
22 510	-1 510c	89.94	-7.33	134.83	135.03	0.2134	-0.0222	93.1	34 570	13 469	
24 520	-1 520c	87.02	4.01	138.94	139.0	0.2189	-0.0181	88.3	34 572	14 473	Ym
25 530	-1 529c	85.24	10.42	139.21	139.6	0.2221	-0.0163	85.7	34 574	15 475	
27 540	-1 539c	81.1	24.04	136.17	138.27	0.2294	-0.0133	79.9	35 578	15 478	
29 545	-1 545c	76.28	38.0	129.7	135.16	0.2376	-0.011	73.6	36 582	16 480	
29 550	-1 549c	76.28	38.0	129.7	135.16	0.2376	-0.011	73.6	36 582	16 480	
30 555	-1 554c	73.63	44.85	125.62	133.39	0.2421	-0.0103	70.3	36 584	16 481	
32 560	-1 560c	67.9	57.75	116.27	129.82	0.2515	-0.0093	63.5	37 589	16 483	
32 563	0 405	75.35	50.83	58.26	77.32	0.2449	-0.0535	48.8	38 590	16 483	Rm
32 563	6 435	75.05	59.61	22.35	63.66	0.2498	-0.0729	20.5	44 621	17 487	
33 565	10 450	74.71	71.59	-11.77	72.55	0.2566	-0.0914	350.6	-1 497c	19 497	
33 566	11 460	74.02	75.11	-19.43	77.58	0.2589	-0.0956	345.4	-1 502c	20 502	
33 568	13 465	73.7	78.97	-30.38	84.62	0.2612	-0.1017	338.9	-1 513c	22 513	
34 570	14 470	72.84	81.26	-35.61	88.72	0.2629	-0.1047	336.3	-1 521c	24 521	
34 574	15 475	71.34	83.61	-41.06	93.15	0.2651	-0.1082	333.8	-1 529c	25 529	Mm
36 580	15 480	68.04	87.66	-46.74	99.35	0.2694	-0.1124	331.9	-1 535c	27 535	
39 595	17 485	62.43	86.71	-60.18	105.55	0.2725	-0.1228	325.2	-1 549c	29 549	
-1 490c	18 490	47.67	49.8	-86.81	100.08	0.2563	-0.1522	299.8	11 459	33 566	min
-1 495c	19 495	49.27	43.08	-84.96	95.26	0.2501	-0.1492	296.8	12 461	33 567	
-1 500c	20 500	51.17	34.96	-82.38	89.49	0.2431	-0.1455	292.9	12 464	33 568	
-1 510c	22 510	55.91	14.94	-75.09	76.57	0.2273	-0.1365	281.2	13 469	34 570	
-1 520c	24 520	61.61	-7.3	-65.72	66.13	0.2122	-0.1267	263.6	14 473	34 572	Bm
-1 529c	25 530	64.59	-17.74	-60.73	63.27	0.2058	-0.1221	253.7	15 475	34 574	
-1 539c	27 540	70.42	-35.38	-50.84	61.94	0.1963	-0.114	235.1	15 478	35 578	
-1 545c	29 545	75.86	-47.62	-41.54	63.19	0.1908	-0.1073	221.0	16 480	36 582	
-1 549c	29 550	75.86	-47.62	-41.54	63.19	0.1908	-0.1073	221.0	16 480	36 582	
-1 554c	30 555	78.38	-51.59	-37.21	63.61	0.1894	-0.1044	215.8	16 481	36 584	
-1 560c	32 560	83.0	-55.32	-29.27	62.59	0.1888	-0.0995	207.8	16 483	37 589	
380	770	95.41	0.0	0.0	0.0	0.2169	-0.085	0.0			

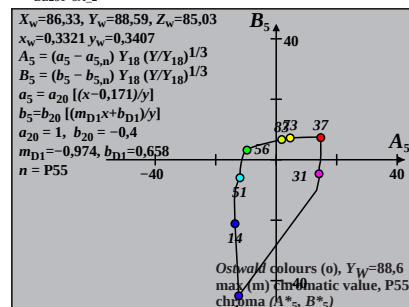
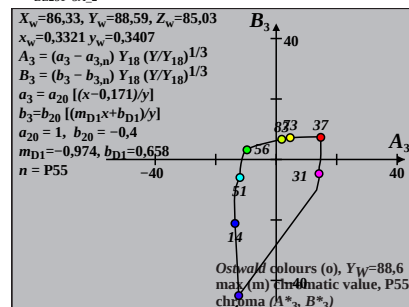
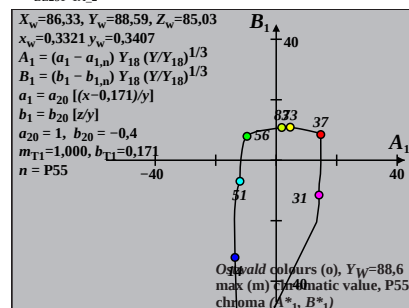
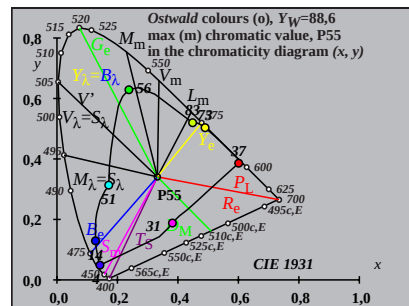
TUB-test chart BE25; CIE (x, y) and chroma (A^*_i, B^*_i)
Ostwald optimal colours for illuminant P60; diagram for illuminant P60, $Y_w=88,6$



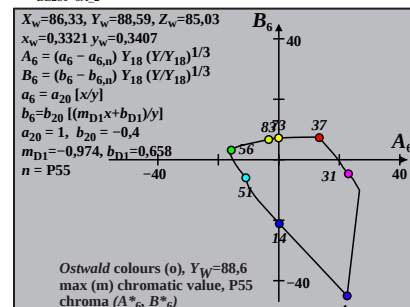
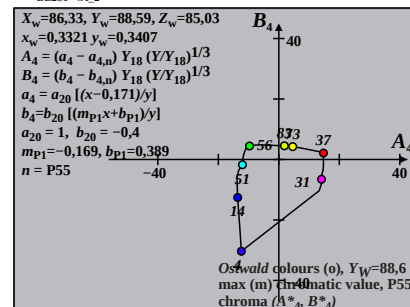
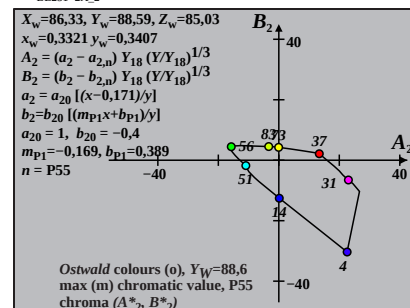
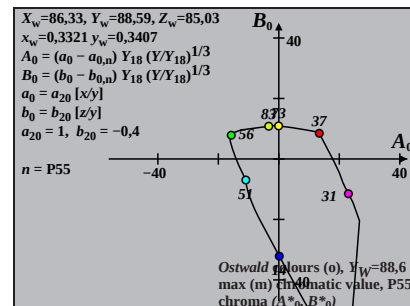
Ostwald optimal colours (o) of maximum (m) C_{AB} for P55, $Y_w=88,6$, $Y_m=520_770$

i_1, λ_1	i_2, λ_2	L^*	a^*	b^*	C^*_{ab}	a'	b'	h_{ab}	i_d, λ_d	i_c, λ_c	Code
1 405	32 564	76.69	-70.09	-31.3	76.76	0.1791	-0.0988	204.0	16 484	38 591	Cm
6 435	32 564	76.95	-83.47	-17.4	85.27	0.1719	-0.0915	191.7	17 488	43 619	
9 450	33 565	77.34	-99.8	3.54	99.86	0.1633	-0.0808	177.9	18 494	-1 494c	
11 460	33 567	77.83	-109.42	21.85	111.58	0.1584	-0.0714	168.7	20 502	-1 502c	
13 465	33 568	78.09	-116.4	42.45	123.9	0.1548	-0.0609	159.9	22 513	-1 513c	
14 470	34 570	78.79	-116.01	53.75	127.86	0.1555	-0.0554	155.1	24 521	-1 521c	
15 475	34 574	79.96	-112.01	65.44	129.72	0.1583	-0.0499	149.7	25 529	-1 529c	Gm
16 480	36 580	81.96	-102.52	77.91	128.77	0.1644	-0.0444	142.7	27 537	-1 537c	
17 485	38 592	85.55	-81.14	92.36	122.94	0.1769	-0.039	131.2	29 547	-1 547c	
17 490	-1 489c	93.78	-20.34	106.51	108.44	0.2078	-0.0361	100.8	33 566	11 456	max
19 495	-1 495c	92.82	-16.5	119.62	120.75	0.2095	-0.0299	97.8	33 567	12 462	
19 500	-1 499c	92.82	-16.5	119.62	120.75	0.2095	-0.0299	97.8	33 567	12 462	
21 510	-1 509c	91.28	-9.94	130.19	130.57	0.2125	-0.0244	94.3	33 569	13 467	
24 520	-1 520c	87.38	5.52	139.69	139.8	0.2199	-0.018	87.7	34 573	14 474	Ym
26 530	-1 530c	83.72	18.33	139.03	140.23	0.2264	-0.0146	82.4	35 576	15 477	
27 540	-1 539c	81.6	25.1	137.04	139.32	0.2301	-0.0132	79.6	35 578	15 479	
28 545	-1 544c	79.32	31.97	134.21	137.96	0.2341	-0.012	76.5	36 580	16 480	
30 550	-1 550c	74.27	45.62	126.7	134.66	0.2427	-0.0102	70.1	37 585	16 482	
30 555	-1 554c	74.27	45.62	126.7	134.66	0.2427	-0.0102	70.1	37 585	16 482	
32 560	-1 560c	68.61	58.43	117.47	131.2	0.252	-0.0092	63.5	38 590	16 484	
32 564	1 405	75.45	52.74	56.96	77.63	0.2462	-0.0527	47.2	38 591	16 484	Rm
32 564	6 435	75.17	60.24	23.44	64.64	0.2505	-0.0702	21.2	43 619	17 488	
33 565	9 450	74.76	68.75	-3.58	68.84	0.2554	-0.0845	357.0	-1 494c	18 494	
33 567	11 460	74.24	74.14	-18.33	76.37	0.2586	-0.0923	346.1	-1 502c	20 502	
33 568	13 465	73.95	77.69	-29.42	83.08	0.2607	-0.0982	339.2	-1 513c	22 513	
34 570	14 470	73.18	79.7	-34.58	86.88	0.2622	-0.1012	336.5	-1 521c	24 521	
34 574	15 475	71.83	81.81	-39.87	91.01	0.2641	-0.1043	334.0	-1 529c	25 529	Mm
36 580	16 480	69.31	84.23	-46.42	96.18	0.2669	-0.1087	331.1	-1 537c	27 537	
38 592	17 485	64.1	85.06	-57.07	102.43	0.2707	-0.1167	326.1	-1 547c	29 547	
-1 489c	17 490	45.96	50.87	-88.34	101.94	0.2586	-0.1509	299.9	11 456	33 566	min
-1 495c	19 495	48.81	39.17	-85.61	94.15	0.2477	-0.1459	294.5	12 462	33 567	
-1 499c	19 500	48.81	39.17	-85.61	94.15	0.2477	-0.1459	294.5	12 462	33 567	
-1 509c	21 510	52.84	21.97	-79.94	82.9	0.2333	-0.1382	285.3	13 467	33 569	
-1 520c	24 520	60.97	-10.41	-66.79	67.6	0.2104	-0.1242	261.1	14 474	34 573	Bm
-1 530c	26 530	66.89	-30.16	-56.85	64.36	0.1988	-0.1154	242.0	15 477	35 576	
-1 539c	27 540	69.78	-38.32	-51.94	64.55	0.1947	-0.1116	233.5	15 479	35 578	
-1 544c	28 545	72.57	-45.11	-47.17	65.27	0.1915	-0.1081	226.2	16 480	36 580	
-1 550c	30 550	77.8	-54.38	-38.2	66.46	0.188	-0.1021	215.0	16 482	37 585	
-1 554c	30 555	77.8	-54.38	-38.2	66.46	0.188	-0.1021	215.0	16 482	37 585	
-1 560c	32 560	82.49	-57.95	-30.15	65.33	0.1875	-0.0972	207.4	16 484	38 590	
380	770	95.41	0.0	0.0	0.0	0.2172	-0.0826	0.0			

TUB-test chart BE25; CIE (x, y) and chroma (A^*_i, B^*_i)
Ostwald optimal colours for illuminant P55; diagram for illuminant P55, $Y_w=88,6$



BE251-7A_2



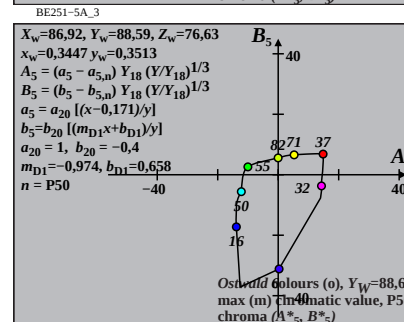
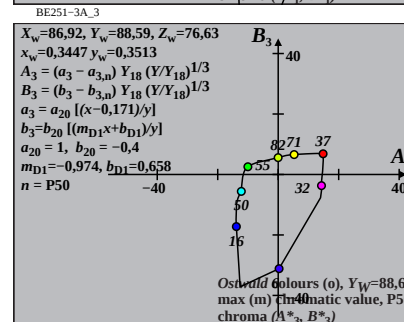
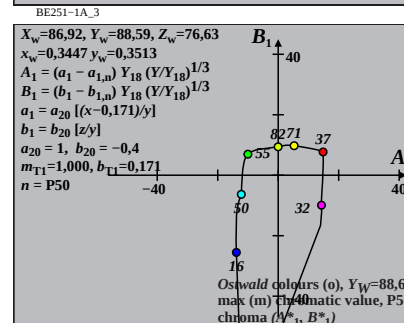
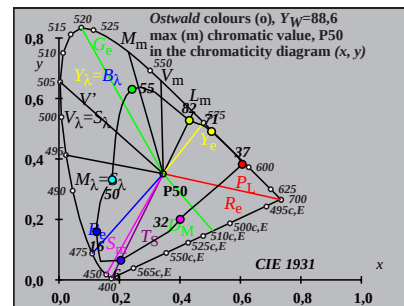
BE251-8A_2

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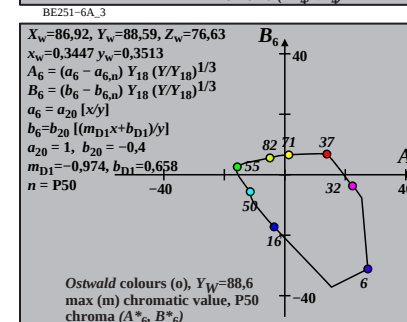
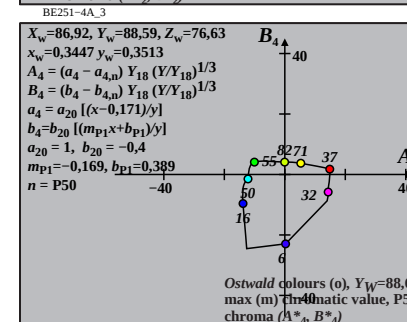
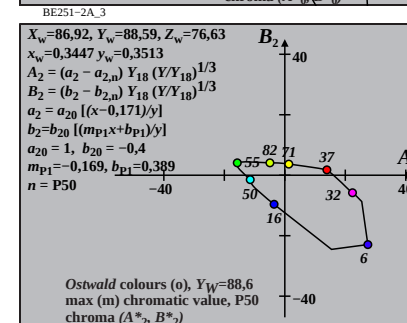
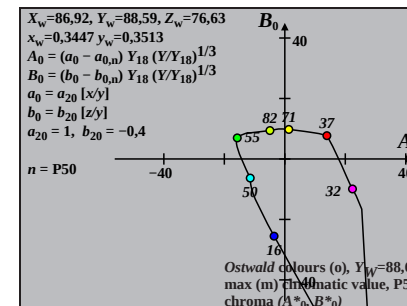
Ostwald optimal colours (o) of maximum (m) C_{AB} for P50, $Y_w=88,6$, $Y_m=520,770$

i_1, λ_1	i_2, λ_2	L^*	a^*	b^*	C^*_{ab}	a'	b'	h_{ab}	i_d, λ_d	i_c, λ_c	Code
0 405	33 565	76.56	-73.34	-31.97	80.01	0.1776	-0.0958	203.5	17 485	38 592	Cm
7 435	33 565	76.76	-90.16	-12.54	91.03	0.1686	-0.086	187.9	18 490	-1 490c	
9 450	33 566	77.15	-99.73	2.12	99.75	0.1636	-0.0787	178.7	19 495	-1 495c	
11 460	33 568	77.58	-108.39	20.08	110.24	0.1592	-0.0698	169.5	20 502	-1 502c	
12 465	33 569	78.0	-111.35	30.6	115.48	0.1578	-0.0647	164.6	21 507	-1 507c	
14 470	34 571	78.44	-114.26	51.57	125.36	0.1565	-0.0545	155.7	24 520	-1 520c	
15 475	34 574	79.49	-110.77	63.04	127.45	0.1591	-0.0492	150.3	25 528	-1 528c	Gm
16 480	35 579	81.29	-102.35	75.15	126.98	0.1645	-0.044	143.7	27 536	-1 536c	
16 485	37 589	84.85	-85.44	81.26	117.92	0.1749	-0.0424	136.4	28 544	-1 544c	
17 490	47 636	92.74	-27.73	103.12	106.78	0.2048	-0.0358	105.0	33 565	-1 565c	max
19 495	-1 495c	93.01	-14.04	118.42	119.25	0.2112	-0.0295	96.7	33 568	12 462	
20 500	-1 500c	92.37	-11.28	124.15	124.66	0.2124	-0.0267	95.1	33 569	13 465	
21 510	-1 509c	91.55	-7.79	129.25	129.49	0.214	-0.0241	93.4	34 570	13 468	
24 520	-1 520c	87.8	7.07	140.58	140.76	0.2211	-0.0178	87.1	34 574	14 474	Ym
26 530	-1 530c	84.25	19.51	139.98	141.33	0.2275	-0.0145	82.0	35 577	15 478	
28 540	-1 540c	79.97	32.85	135.32	139.25	0.235	-0.0119	76.3	36 581	16 481	
28 545	-1 544c	79.97	32.85	135.32	139.25	0.235	-0.0119	76.3	36 581	16 481	
30 550	-1 550c	75.02	46.28	127.98	136.09	0.2434	-0.0102	70.1	37 585	16 483	
30 555	-1 554c	75.02	46.28	127.98	136.09	0.2434	-0.0102	70.1	37 585	16 483	
32 560	-1 560c	69.45	58.97	118.9	132.73	0.2525	-0.0092	63.6	38 590	17 485	
33 565	0 405	75.57	54.22	58.89	80.05	0.2476	-0.05	47.3	38 592	17 485	Rm
33 565	7 435	75.38	62.93	15.43	64.8	0.2525	-0.0719	13.7	-1 490c	18 490	
33 566	9 450	74.97	68.19	-2.17	68.23	0.2555	-0.0809	358.1	-1 495c	19 495	
33 568	11 460	74.51	73.02	-16.99	74.97	0.2584	-0.0885	346.8	-1 502c	20 502	
33 569	12 465	74.05	75.44	-23.66	79.06	0.26	-0.0919	342.5	-1 507c	21 507	
34 571	14 470	73.57	77.92	-33.36	84.76	0.2616	-0.097	336.8	-1 520c	24 520	
34 574	15 475	72.38	79.77	-38.48	88.56	0.2633	-0.0999	334.2	-1 528c	25 528	Mm
35 579	16 480	70.19	81.82	-44.56	93.17	0.2656	-0.1037	331.4	-1 536c	27 536	
37 589	16 485	65.19	85.19	-53.16	100.42	0.2707	-0.1101	328.0	-1 544c	28 544	
47 636	17 490	49.05	59.49	-82.71	101.89	0.2639	-0.1386	305.7	-1 565c	33 565	min
-1 495c	19 495	48.27	34.67	-86.35	93.05	0.2449	-0.142	291.8	12 462	33 568	
-1 500c	20 500	50.07	27.0	-84.02	88.25	0.2383	-0.1386	287.8	13 465	33 569	
-1 509c	21 510	52.19	17.95	-80.95	82.91	0.231	-0.1347	282.5	13 468	34 570	
-1 520c	24 520	60.21	-13.9	-68.07	69.47	0.2084	-0.1211	258.4	14 474	34 574	Bm
-1 530c	26 530	66.1	-33.49	-58.18	67.14	0.1971	-0.1126	240.0	15 478	35 577	
-1 540c	28 540	71.81	-48.35	-48.47	68.47	0.1898	-0.1053	225.0	16 481	36 581	
-1 544c	28 545	71.81	-48.35	-48.47	68.47	0.1898	-0.1053	225.0	16 481	36 581	
-1 550c	30 550	77.1	-57.52	-39.42	69.73	0.1865	-0.0994	214.4	16 483	37 585	
-1 554c	30 555	77.1	-57.52	-39.42	69.73	0.1865	-0.0994	214.4	16 483	37 585	
-1 560c	32 560	81.86	-60.93	-31.23	68.47	0.1862	-0.0945	207.1	17 485	38 590	
380	770	95.41	0.0	0.0	0.0	0.2177	-0.0798	0.0			

TUB-test chart BE25; CIE (x, y) and chroma (A^*_i, B^*_i)
Ostwald optimal colours for illuminant P50; diagram for illuminant P50, $Y_w=88,6$



BE251-7A_3



BE251-8A_3

TUB registration: 20170801-BE25/BE25L0NA.TXT /PS
application for measurement of offset print output

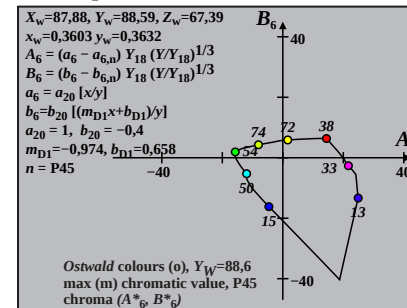
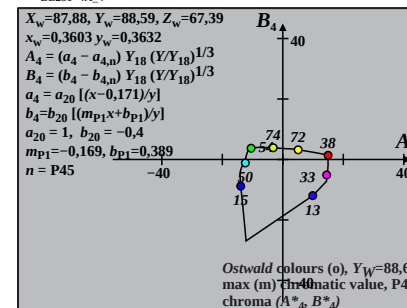
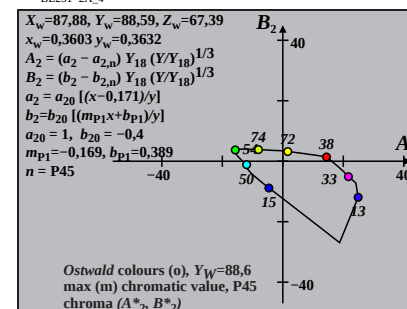
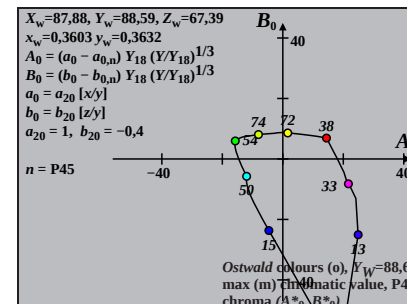
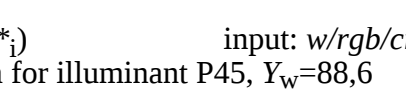
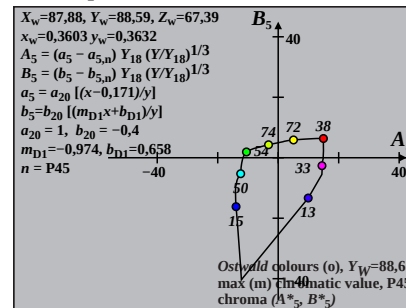
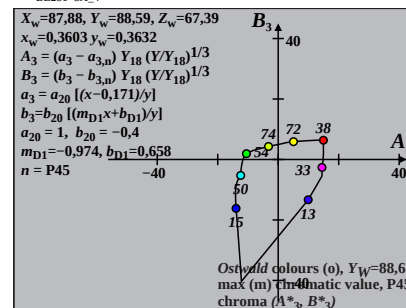
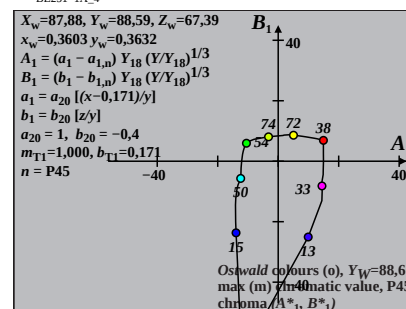
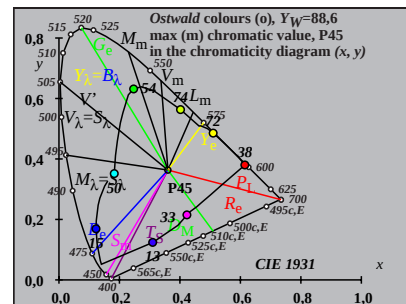
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Ostwald optimal colours (o) of maximum (m) C_{AB} for P45, $Y_w=88,6$, $Y_m=520_770$

i_1, λ_1	i_2, λ_2	L^*	a^*	b^*	C^*_{ab}	a'	b'	h_{ab}	i_d, λ_d	i_c, λ_c	Code
1 405	33 566	76.38	-77.41	-31.95	83.74	0.176	-0.0918	202.4	17 487	38 593	Cm
7 435	33 567	76.56	-91.39	-13.8	92.43	0.1684	-0.083	188.5	18 491	-1 491c	
10 450	33 568	76.82	-104.19	8.26	104.51	0.1615	-0.0725	175.4	19 498	-1 498c	
12 460	33 569	77.16	-111.06	27.37	114.38	0.158	-0.0634	166.1	21 507	-1 507c	
13 465	34 570	77.49	-112.77	38.02	119.01	0.1573	-0.0584	161.3	22 512	-1 512c	
13 470	34 571	78.23	-110.32	39.29	117.11	0.1591	-0.0579	160.3	22 514	-1 514c	
15 475	34 574	78.95	-109.28	60.14	124.74	0.1601	-0.0483	151.1	25 528	-1 528c	Gm
15 480	35 578	80.83	-102.15	63.35	120.2	0.165	-0.0474	148.1	26 532	-1 532c	
17 485	37 587	83.28	-87.13	84.91	121.67	0.174	-0.0385	135.7	28 544	-1 544c	
17 490	42 611	89.73	-48.55	95.96	107.54	0.1952	-0.0361	116.8	31 559	-1 559c	max
19 495	-1 495c	93.23	-11.41	116.9	117.46	0.2132	-0.0289	95.5	33 569	12 463	
20 500	-1 500c	92.62	-8.83	122.77	123.09	0.2143	-0.0263	94.1	34 570	13 466	
22 510	-1 510c	90.88	-1.52	132.43	132.43	0.2177	-0.0214	90.6	34 572	14 471	Ym
24 520	-1 520c	88.29	8.59	138.16	138.42	0.2226	-0.0176	86.4	34 574	15 475	
26 530	-1 530c	84.89	20.57	141.12	142.61	0.2288	-0.0144	81.7	35 578	15 479	
27 540	-1 539c	82.9	26.98	139.29	141.88	0.2323	-0.013	79.0	35 579	16 480	
29 545	-1 545c	78.42	40.15	133.34	139.26	0.24	-0.0109	73.2	36 583	16 483	
29 550	-1 549c	78.42	40.15	133.34	139.26	0.24	-0.0109	73.2	36 583	16 483	
30 555	-1 554c	75.93	46.71	129.52	137.69	0.2442	-0.0101	70.1	37 585	16 484	
31 560	-1 559c	73.27	53.12	125.26	136.06	0.2486	-0.0096	67.0	37 588	17 485	
33 566	1 405	75.75	55.93	57.98	80.56	0.2494	-0.0484	46.0	38 593	17 487	Rm
33 567	7 435	75.58	63.01	17.14	65.3	0.2534	-0.0681	15.2	-1 491c	18 491	
33 568	10 450	75.31	69.19	-7.72	69.62	0.2569	-0.0802	353.6	-1 498c	19 498	
33 569	12 460	74.96	72.86	-21.12	75.86	0.2591	-0.0867	343.8	-1 507c	21 507	
34 570	13 465	74.6	74.49	-26.82	79.18	0.2602	-0.0895	340.2	-1 512c	22 512	
34 571	13 470	73.8	75.7	-28.2	80.78	0.2612	-0.0903	339.5	-1 514c	22 514	
34 574	15 475	72.99	77.45	-36.84	85.77	0.2626	-0.0948	334.5	-1 528c	25 528	Mm
35 578	15 480	70.77	80.19	-40.67	89.92	0.2653	-0.0972	333.1	-1 532c	26 532	
37 587	17 485	67.51	80.45	-50.52	95.0	0.2673	-0.1032	327.8	-1 544c	28 544	
42 611	17 490	56.37	74.01	-69.7	101.67	0.2703	-0.1191	316.7	-1 559c	31 559	min
-1 495c	19 495	47.65	29.5	-87.18	92.04	0.242	-0.1372	288.6	12 463	33 569	
-1 500c	20 500	49.37	22.15	-85.04	87.87	0.2357	-0.1341	284.6	13 466	34 570	
-1 510c	22 510	53.79	3.51	-78.5	78.58	0.221	-0.1263	272.5	14 471	34 572	
-1 520c	24 520	59.28	-17.77	-69.61	71.84	0.2065	-0.1174	255.6	15 475	34 574	Bm
-1 530c	26 530	65.14	-37.15	-59.81	70.41	0.1952	-0.1091	238.1	15 479	35 578	
-1 539c	27 540	68.04	-45.2	-54.9	71.11	0.1912	-0.1054	230.5	16 480	35 579	
-1 545c	29 545	73.6	-57.19	-45.41	73.03	0.1861	-0.0989	218.4	16 483	36 583	
-1 549c	29 550	73.6	-57.19	-45.41	73.03	0.1861	-0.0989	218.4	16 483	36 583	
-1 554c	30 555	76.21	-60.99	-40.93	73.45	0.1849	-0.0961	213.8	16 484	37 585	
-1 559c	31 560	78.71	-63.34	-36.64	73.17	0.1846	-0.0936	210.0	17 485	37 588	
380	770	95.41	0.0	0.0	0.0	0.2185	-0.0764	0.0			

TUB-test chart BE25; CIE (x, y) and chroma (A^*_i, B^*_i)
Ostwald optimal colours for illuminant P45; diagram for illuminant P45, $Y_w=88,6$



TUB registration: 20170801-BE25/BE25L0NA.TXT /PS
application for measurement of offset print output

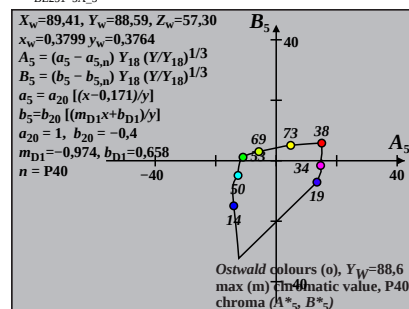
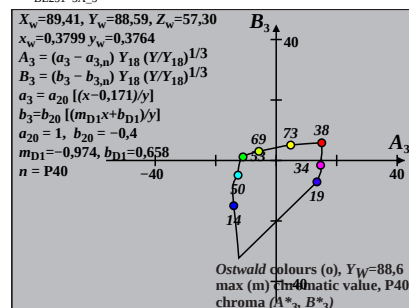
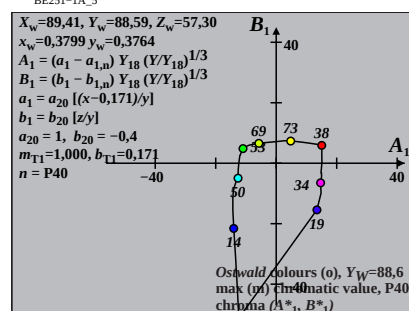
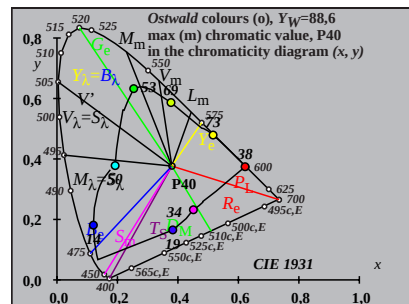
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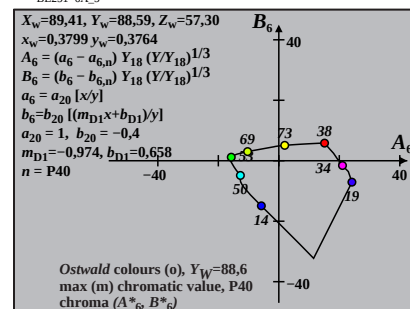
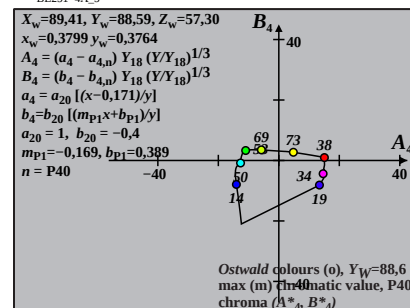
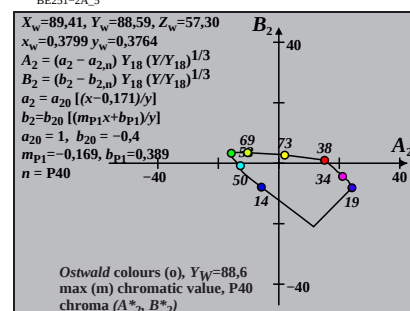
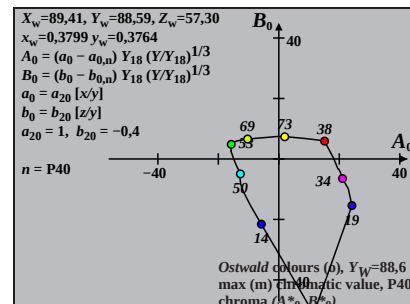
Ostwald optimal colours (o) of maximum (m) C_{AB} for P40, $Y_w=88,6$, $Y_m=520\text{--}770$

i_1, λ_1	i_2, λ_2	L^*	a^*	b^*	C^*_{ab}	a'	b'	h_{ab}	i_d, λ_d	i_c, λ_c	Code
0 405	33 568	76.15	-81.16	-32.77	87.53	0.1748	-0.0873	201.9	17 488	38 594	Cm
7 435	33 568	76.3	-92.76	-15.35	94.02	0.1685	-0.0794	189.3	18 493	54 674	
10 450	33 569	76.52	-103.39	5.92	103.56	0.1627	-0.0697	176.7	19 499	-1 499c	
12 460	34 570	76.8	-109.0	24.57	111.74	0.1598	-0.0613	167.2	21 507	-1 507c	
13 465	34 571	77.08	-110.23	34.97	115.65	0.1593	-0.0566	162.3	22 512	-1 512c	
14 470	34 572	77.53	-109.88	45.65	118.98	0.1598	-0.0519	157.4	23 519	-1 519c	
14 475	34 574	78.55	-106.82	47.39	116.86	0.1621	-0.0513	156.0	24 522	-1 522c Gm	
15 480	35 578	79.92	-101.53	59.31	117.59	0.1657	-0.0464	149.7	26 531	-1 531c	
17 485	37 585	81.98	-89.65	80.19	120.28	0.1731	-0.038	138.1	28 543	-1 543c	
17 490	40 600	87.01	-63.2	88.78	108.98	0.1884	-0.0362	125.4	30 554	-1 554c max	
19 495	-1 495c	93.47	-8.67	114.91	115.24	0.2157	-0.0283	94.3	34 571	12 464	
20 500	-1 500c	92.92	-6.3	120.95	121.11	0.2168	-0.0257	92.9	34 571	13 467	
21 510	-1 509c	92.21	-3.27	126.42	126.46	0.2182	-0.0233	91.4	34 572	13 469	
24 520	-1 520c	88.87	9.99	137.27	137.63	0.2246	-0.0173	85.8	35 575	15 476	Ym
26 530	-1 530c	85.65	21.4	142.49	144.09	0.2305	-0.0142	81.4	35 578	16 480	
27 540	-1 539c	83.75	27.56	140.77	143.44	0.2338	-0.0129	78.9	36 580	16 481	
29 545	-1 545c	79.44	40.32	135.08	140.98	0.2413	-0.0108	73.3	36 584	16 484	
29 550	-1 549c	79.44	40.32	135.08	140.98	0.2413	-0.0108	73.3	36 584	16 484	
31 555	-1 555c	74.45	53.03	127.26	137.87	0.2496	-0.0095	67.3	37 588	17 486	
32 560	-1 560c	71.71	59.09	122.75	136.24	0.2541	-0.0091	64.2	38 591	17 487	
33 568	0 405	75.99	57.26	59.94	82.9	0.2515	-0.045	46.3	38 594	17 488	Rm
33 568	7 435	75.84	62.98	19.31	65.88	0.2547	-0.0636	17.0	54 674	18 493	
33 569	10 450	75.61	68.07	-5.61	68.3	0.2576	-0.075	35.2	-1 499c	19 499	
34 570	12 460	75.33	71.06	-19.23	73.62	0.2594	-0.0812	34.8	-1 507c	21 507	
34 571	13 465	75.04	72.31	-24.98	76.51	0.2602	-0.0839	34.0	-1 512c	22 512	
34 572	14 470	74.56	73.47	-30.05	79.38	0.2611	-0.0863	33.7	-1 519c	23 519	
34 574	14 475	73.45	75.18	-31.96	81.7	0.2626	-0.0874	33.6	-1 522c	24 522	Mm
35 578	15 480	71.87	77.0	-38.02	85.87	0.2644	-0.0906	33.3	-1 531c	26 531	
37 585	17 485	69.29	77.5	-46.95	90.61	0.2661	-0.0955	32.8	-1 543c	28 543	
40 600	17 490	61.64	77.04	-60.11	97.72	0.2703	-0.1049	32.0	-1 554c	30 554	min
-1 495c	19 495	46.91	23.65	-88.12	91.24	0.2389	-0.1313	285.0	12 464	34 571	
-1 500c	20 500	48.54	16.7	-86.21	87.81	0.2329	-0.1285	280.9	13 467	34 571	
-1 509c	21 510	50.5	8.36	-83.52	83.94	0.2261	-0.1252	275.7	13 469	34 572	
-1 520c	24 520	58.14	-21.9	-71.49	74.77	0.2047	-0.1129	252.9	15 476	35 575	Bm
-1 530c	26 530	63.94	-41.02	-61.83	74.2	0.1936	-0.1049	236.4	16 480	35 578	
-1 539c	27 540	66.84	-49.01	-56.93	75.12	0.1896	-0.1013	229.2	16 481	36 580	
-1 545c	29 545	72.44	-60.94	-47.39	77.2	0.1846	-0.0949	217.8	16 484	36 584	
-1 549c	29 550	72.44	-60.94	-47.39	77.2	0.1846	-0.0949	217.8	16 484	36 584	
-1 555c	31 555	77.64	-67.03	-38.48	77.29	0.1832	-0.0897	209.8	17 486	37 588	
-1 560c	32 560	80.05	-67.9	-34.32	76.08	0.1837	-0.0874	206.8	17 487	38 591	
380	770	95.41	0.0	0.0	0.0	0.2197	-0.0724	0.0			

TUB-test chart BE25; CIE (x, y) and chroma (A^*_i, B^*_i)
Ostwald optimal colours for illuminant P40; diagram for illuminant P40, $Y_w=88,6$



BE251-7A_5



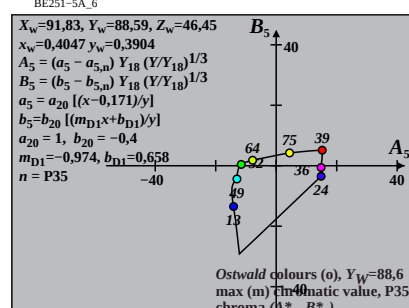
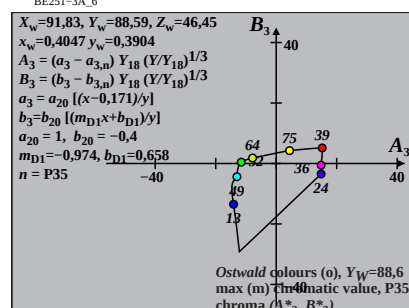
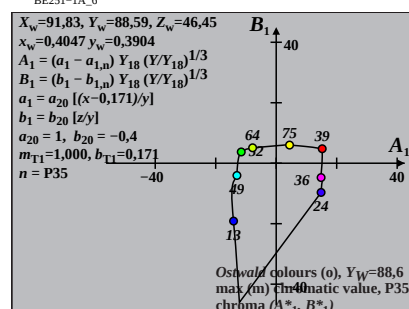
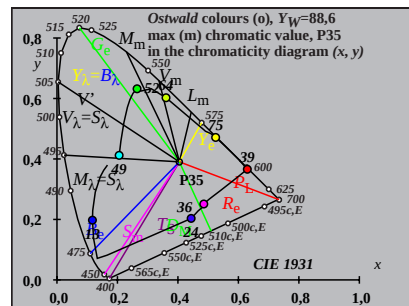
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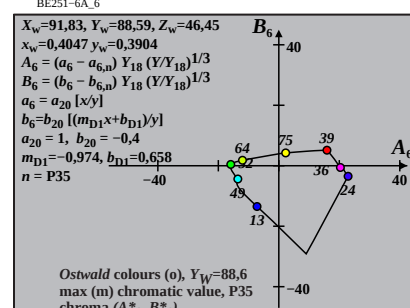
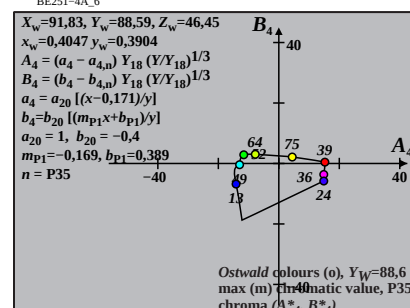
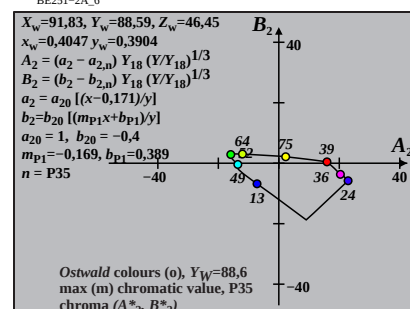
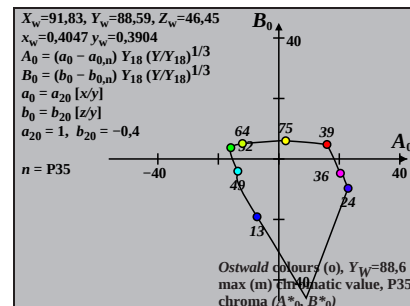
Ostwald optimal colours (o) of maximum (m) C_{AB} for P35, $Y_w=88,6$, $Y_m=520,770$

i_1, λ_1	i_2, λ_2	L^*	a^*	b^*	C^*_{ab}	a'	b'	h_{ab}	i_d, λ_d	i_c, λ_c	Code
1 405	34 570	75.81	-85.53	-33.11	91.71	0.1738	-0.0816	201.1	18 490	39 596	Cm
7 435	34 570	75.93	-93.94	-17.34	95.53	0.1691	-0.0749	190.4	18 494	48 640	
9 450	34 571	76.17	-99.01	-4.47	99.12	0.1664	-0.0694	182.5	19 498	-1 498c	
12 460	34 572	76.33	-106.29	20.96	108.34	0.1625	-0.0586	168.8	21 507	-1 507c	
12 465	34 572	76.68	-105.32	21.56	107.51	0.1632	-0.0584	168.4	21 508	-1 508c	
14 470	34 573	76.93	-107.15	41.48	114.9	0.1624	-0.05	158.8	23 519	-1 519c	
14 475	35 575	77.76	-104.58	42.9	113.04	0.1643	-0.0496	157.6	24 520	-1 520c	Gm
15 480	35 578	78.87	-100.49	54.29	114.22	0.1672	-0.0451	151.6	25 529	-1 529c	
17 485	36 583	80.49	-91.25	74.38	117.72	0.173	-0.0373	140.8	28 542	-1 542c	
18 490	38 593	84.02	-72.16	88.2	113.96	0.1846	-0.0329	129.2	30 552	-1 552c	max
19 495	52 661	93.39	-8.62	111.6	111.93	0.2176	-0.0275	94.4	34 572	12 460	
20 500	-1 500c	93.26	-3.81	118.46	118.52	0.2199	-0.025	91.8	34 573	13 468	
22 510	-1 510c	91.8	2.32	129.06	129.08	0.2228	-0.0206	88.9	34 574	14 473	
23 520	-1 519c	90.78	6.4	132.93	133.09	0.2248	-0.0187	87.2	35 576	15 475	Ym
26 530	-1 530c	86.56	21.77	144.18	145.81	0.2326	-0.014	81.4	35 579	16 481	
27 540	-1 539c	84.78	27.61	142.58	145.23	0.2358	-0.0127	79.0	36 581	16 483	
29 545	-1 545c	80.69	39.84	137.23	142.89	0.2429	-0.0107	73.8	37 585	17 486	
29 550	-1 549c	80.69	39.84	137.23	142.89	0.2429	-0.0107	73.8	37 585	17 486	
31 555	-1 555c	75.91	52.2	129.74	139.85	0.2509	-0.0095	68.0	37 589	17 488	
32 560	-1 560c	73.26	58.15	125.4	138.23	0.2552	-0.0091	65.1	38 591	17 489	
34 570	1 405	76.33	58.57	59.6	83.56	0.2543	-0.0422	45.4	39 596	18 490	Rm
34 570	7 435	76.21	62.61	22.13	66.41	0.2566	-0.0581	19.4	48 640	18 494	
34 571	9 450	75.97	65.34	4.75	65.52	0.2583	-0.0655	4.1	-1 498c	19 498	
34 572	12 460	75.81	68.72	-16.7	70.72	0.2602	-0.0746	346.3	-1 507c	21 507	
34 572	12 465	75.45	69.26	-17.31	71.39	0.2607	-0.0749	345.9	-1 508c	21 508	
34 573	14 470	75.2	70.68	-27.71	75.92	0.2616	-0.0794	338.5	-1 519c	23 519	
35 575	14 475	74.32	71.93	-29.22	77.64	0.2627	-0.0802	337.8	-1 520c	24 520	Mm
35 578	15 480	73.09	73.35	-34.87	81.22	0.2641	-0.0828	334.5	-1 529c	25 529	
36 583	17 485	71.18	73.66	-42.98	85.28	0.2652	-0.0868	329.7	-1 542c	28 542	
38 593	18 490	66.44	73.29	-52.75	90.3	0.2674	-0.0926	324.2	-1 552c	30 552	min
52 661	19 495	47.16	23.35	-87.22	90.3	0.2407	-0.1216	284.9	12 460	34 572	
-1 500c	20 500	47.55	10.76	-87.54	88.2	0.2304	-0.1215	277.0	13 468	34 573	
-1 510c	22 510	51.55	-6.06	-81.99	82.22	0.2171	-0.1151	265.7	14 473	34 574	
-1 519c	23 520	54.02	-15.93	-78.15	79.76	0.21	-0.1112	258.4	15 475	35 576	Bm
-1 530c	26 530	62.41	-44.79	-64.39	78.44	0.1923	-0.0997	235.1	16 481	35 579	
-1 539c	27 540	65.3	-52.73	-59.53	79.53	0.1883	-0.0962	228.4	16 483	36 581	
-1 545c	29 545	70.93	-64.68	-49.95	81.72	0.1834	-0.09	217.6	17 486	37 585	
-1 549c	29 550	70.93	-64.68	-49.95	81.72	0.1834	-0.09	217.6	17 486	37 585	
-1 555c	31 555	76.24	-70.82	-40.87	81.77	0.1822	-0.0849	209.9	17 488	37 589	
-1 560c	32 560	78.72	-71.69	-36.61	80.5	0.1827	-0.0826	207.0	17 489	38 591	
380	770	95.41	0.0	0.0	0.0	0.2217	-0.0675	0.0			

TUB-test chart BE25; CIE (x, y) and chroma (A^*_i, B^*_i)
Ostwald optimal colours for illuminant P35; diagram for illuminant P35, $Y_w=88,6$



BE251-7A_6



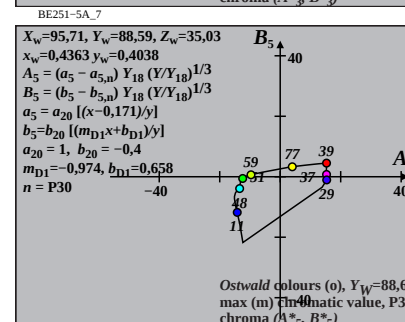
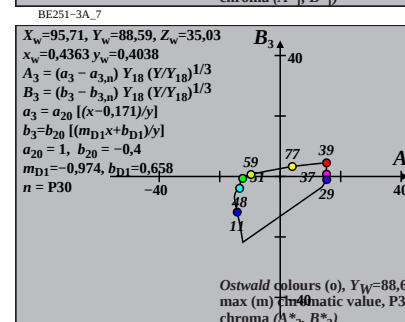
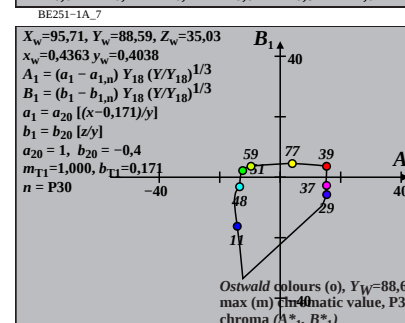
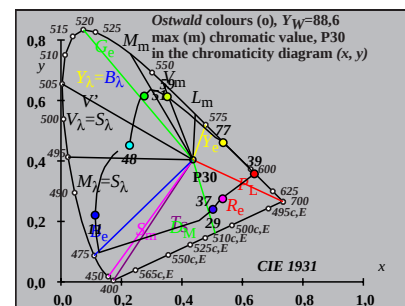
BE251-8A_6

input: w/rgb/cmyk -> rgb

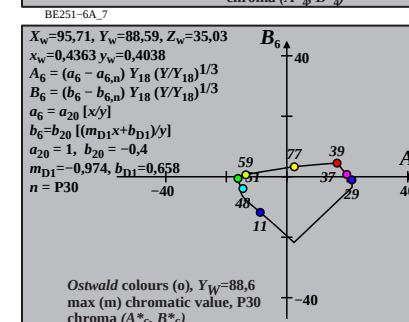
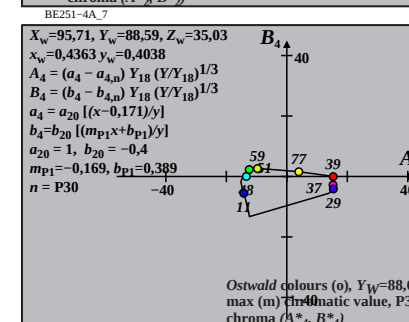
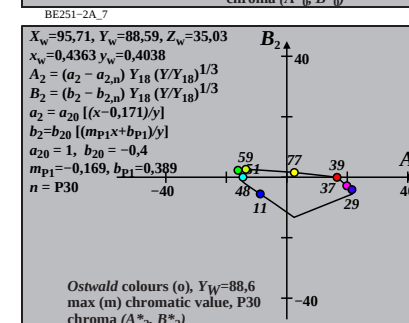
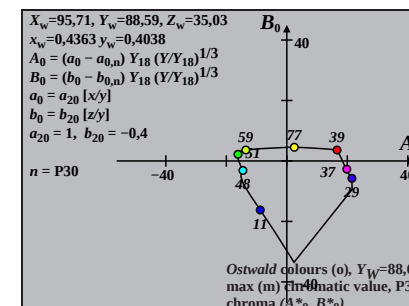
Ostwald optimal colours (o) of maximum (m) C_{AB} for P30, $Y_w=88,6$, $Y_m=520\text{--}770$

i_1, λ_1	i_2, λ_2	L^*	a^*	b^*	C^*_{ab}	a'	b'	h_{ab}	i_d, λ_d	i_c, λ_c	Code
0 405	34 573	75.3	-88.63	-34.33	95.05	0.1741	-0.0748	201.1	18 493	39 598	Cm
6 435	34 573	75.41	-92.58	-24.51	95.77	0.1719	-0.071	194.8	19 495	42 612	
10 450	34 573	75.53	-100.05	-1.02	100.06	0.1677	-0.0618	180.5	20 502	-1 502c	
12 460	34 574	75.7	-103.23	16.22	104.5	0.166	-0.0551	171.0	21 508	-1 508c	
13 465	34 574	75.87	-104.06	25.98	107.26	0.1657	-0.0513	165.9	22 512	-1 512c	
14 470	35 575	76.15	-103.73	35.99	109.79	0.166	-0.0475	160.8	23 518	-1 518c	
15 475	35 576	76.62	-102.03	46.13	111.98	0.1673	-0.0437	155.6	25 525	-1 525c Gm	
16 480	35 579	77.43	-98.65	56.41	113.64	0.1697	-0.0399	150.2	26 533	-1 533c	
17 485	36 582	78.81	-92.06	67.11	113.93	0.1741	-0.0362	143.9	28 540	-1 540c	
18 490	37 589	81.34	-79.7	79.23	112.39	0.1821	-0.0324	135.1	29 549	-1 549c max	
19 495	41 606	86.62	-50.1	95.65	107.98	0.1993	-0.0282	117.6	32 561	-1 561c	
20 500	-1 500c	93.65	-1.55	114.91	114.92	0.224	-0.024	90.7	35 575	13 469	
21 510	-1 509c	93.1	0.8	120.92	120.92	0.2252	-0.0219	89.6	35 576	14 472	
24 520	-1 520c	90.4	11.6	133.8	134.3	0.2305	-0.0166	85.0	35 578	15 479	Ym
25 530	-1 529c	89.13	16.27	136.55	137.52	0.2328	-0.0151	83.2	36 580	16 481	
28 540	-1 540c	84.24	32.43	142.68	146.32	0.2416	-0.0114	77.1	36 584	17 486	
29 545	-1 545c	82.25	38.27	139.91	145.05	0.2451	-0.0105	74.7	37 586	17 488	
30 550	-1 550c	80.09	44.2	136.62	143.59	0.2488	-0.0099	72.0	37 588	17 489	
31 555	-1 555c	77.75	50.13	132.88	142.03	0.2527	-0.0094	69.3	38 590	18 490	
32 560	-1 560c	75.23	55.93	128.76	140.38	0.2568	-0.009	66.5	38 592	18 491	
34 573	0 405	76.83	58.81	61.75	85.28	0.2578	-0.0377	46.3	39 598	18 493	Rm
34 573	6 435	76.72	60.79	34.72	70.0	0.259	-0.0481	29.7	42 612	19 495	
34 573	10 450	76.6	64.19	1.01	64.2	0.2609	-0.061	0.9	-1 502c	20 502	
34 574	12 460	76.43	65.88	-13.25	67.2	0.262	-0.0665	348.6	-1 508c	21 508	
34 574	13 465	76.27	66.65	-19.32	69.39	0.2625	-0.0689	343.8	-1 512c	22 512	
35 575	14 470	75.99	67.23	-24.55	71.57	0.2629	-0.071	339.9	-1 518c	23 518	
35 576	15 475	75.52	67.76	-29.18	73.78	0.2634	-0.0728	336.6	-1 525c	25 525	Mm
35 579	16 480	74.67	68.48	-33.62	76.29	0.2642	-0.0747	333.8	-1 533c	26 533	
36 582	17 485	73.15	69.21	-38.53	79.22	0.2653	-0.0768	330.8	-1 540c	28 540	
37 589	18 490	70.11	69.78	-45.55	83.33	0.267	-0.0803	326.8	-1 549c	29 549	min
41 606	19 495	62.3	63.84	-60.41	87.89	0.2673	-0.089	316.5	-1 561c	32 561	
-1 500c	20 500	46.37	4.7	-89.01	89.13	0.2287	-0.1123	273.0	13 469	35 575	
-1 509c	21 510	48.03	-2.36	-87.04	87.07	0.2228	-0.1099	268.4	14 472	35 576	
-1 520c	24 520	54.9	-29.55	-76.73	82.23	0.203	-0.1	248.9	15 479	35 578	Bm
-1 529c	25 530	57.62	-38.98	-72.33	82.16	0.1971	-0.0965	241.6	16 481	36 580	
-1 540c	28 540	66.12	-62.39	-58.13	85.28	0.1851	-0.0867	222.9	17 486	36 584	
-1 545c	29 545	68.92	-67.77	-53.37	86.26	0.1831	-0.0838	218.2	17 488	37 586	
-1 550c	30 550	71.67	-71.73	-48.69	86.69	0.1821	-0.0812	214.1	17 489	37 588	
-1 555c	31 555	74.33	-74.21	-44.12	86.34	0.1819	-0.0789	210.7	18 490	38 590	
-1 560c	32 560	76.9	-75.22	-39.72	85.06	0.1825	-0.0767	207.8	18 491	38 592	
380	770	95.41	0.0	0.0	0.0	0.2248	-0.0614	0.0			

TUB-test chart BE25; CIE (x, y) and chroma (A^*_i, B^*_i)
Ostwald optimal colours for illuminant P30; diagram for illuminant P30, $Y_w=88,6$



BE251-7A_7



BE251-8A_7

TUB registration: 20170801-BE25/BE25L0NA.TXT /PS
application for measurement of offset print output

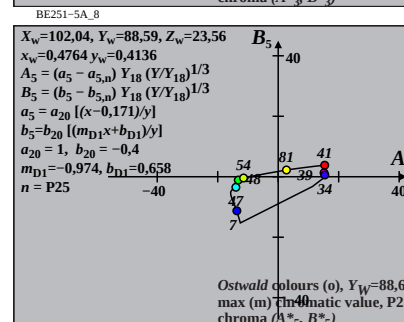
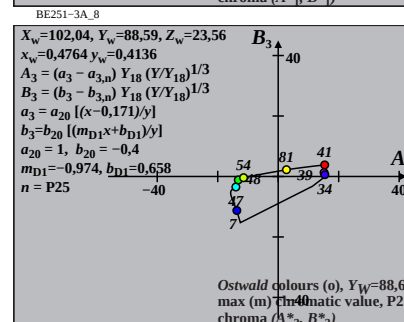
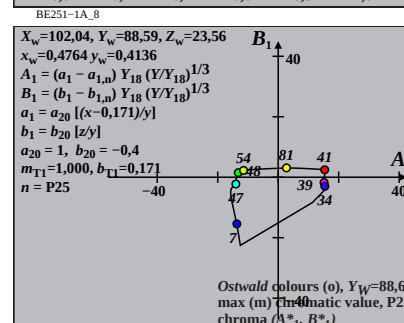
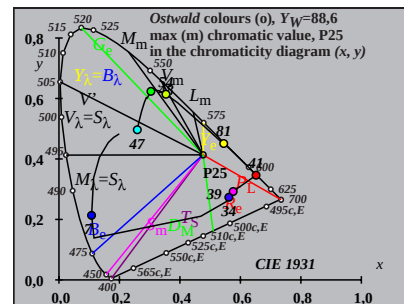
TUB material: code=rha4ta

input: w/rgb/cmyk -> rgb

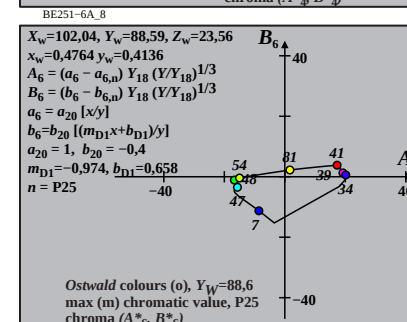
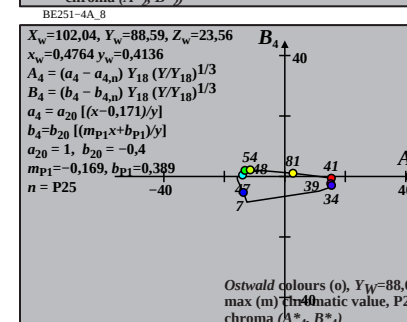
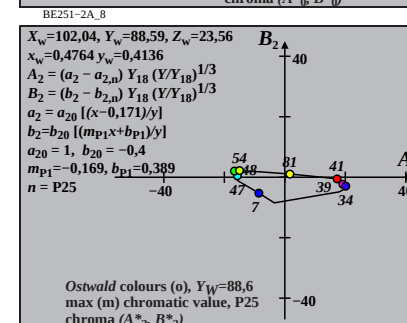
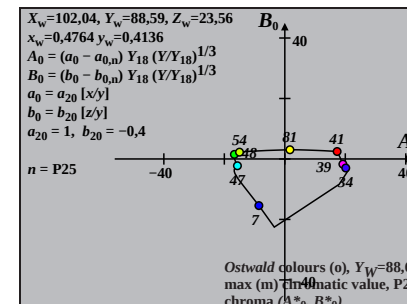
Ostwald optimal colours (o) of maximum (m) C_{AB} for P25, $Y_w=88,6$, $Y_m=520\text{--}770$

i_1, λ_1	i_2, λ_2	L^*	a^*	b^*	C^*_{ab}	a'	b'	h_{ab}	i_d, λ_d	i_c, λ_c	Code
1 405	35 576	74.51	-90.61	-35.56	97.34	0.1763	-0.0661	201.4	19 497	40 601	Cm
6 435	35 576	74.58	-92.64	-27.54	96.65	0.1751	-0.0633	196.5	19 499	42 611	
10 450	35 577	74.67	-96.95	-6.44	97.16	0.1726	-0.056	183.8	20 504	-1 504c	
11 460	35 577	74.83	-97.65	1.33	97.66	0.1723	-0.0534	179.2	21 506	-1 506c	
13 465	35 577	74.9	-99.23	18.89	101.01	0.1714	-0.0473	169.2	22 513	-1 513c	
14 470	35 578	75.09	-99.07	28.41	103.06	0.1717	-0.0441	163.9	23 518	-1 518c	
15 475	35 579	75.41	-98.1	38.05	105.22	0.1724	-0.0408	158.8	24 524	-1 524c Gm	
16 480	36 580	75.95	-95.84	47.71	107.06	0.1741	-0.0376	153.5	26 531	-1 531c	
17 485	36 582	76.88	-91.49	57.54	108.09	0.1771	-0.0345	147.8	27 539	-1 539c	
18 490	37 586	78.52	-83.99	68.16	108.17	0.1823	-0.0313	140.9	29 546	-1 546c max	
18 495	38 594	81.92	-70.75	73.92	102.32	0.1911	-0.0302	133.7	30 553	-1 553c	
20 500	44 620	89.03	-29.14	100.82	104.95	0.2148	-0.0238	106.1	34 570	-1 570c	
21 510	-1 509c	93.64	2.1	115.89	115.91	0.2306	-0.0208	88.9	35 578	14 474	
24 520	-1 520c	91.4	11.13	130.21	130.68	0.2351	-0.0159	85.1	36 581	16 481	Ym
25 530	-1 529c	90.31	15.17	133.53	134.39	0.2372	-0.0145	83.5	36 582	16 484	
28 540	-1 540c	86.02	29.57	145.79	148.76	0.2451	-0.0111	78.5	37 586	17 489	
28 545	-1 544c	86.02	29.57	145.79	148.76	0.2451	-0.0111	78.5	37 586	17 489	
29 550	-1 549c	84.24	34.93	143.32	147.52	0.2482	-0.0103	76.3	37 588	18 491	
30 555	-1 554c	82.27	40.45	140.36	146.07	0.2516	-0.0097	73.9	37 589	18 492	
32 560	-1 560c	77.79	51.6	133.13	142.78	0.2589	-0.0089	68.8	38 594	18 494	
35 576	1 405	77.58	57.89	62.5	85.19	0.2626	-0.0329	47.1	40 601	19 497	Rm
35 576	6 435	77.51	58.91	39.61	70.99	0.2632	-0.0406	33.9	42 611	19 499	
35 577	10 450	77.43	60.86	6.58	61.22	0.2643	-0.0516	6.1	-1 504c	20 504	
35 577	11 460	77.27	61.53	-1.24	61.54	0.2648	-0.0542	358.8	-1 506c	21 506	
35 577	13 465	77.21	62.31	-14.53	63.98	0.2652	-0.0587	346.8	-1 513c	22 513	
35 578	14 470	77.04	62.7	-20.0	65.81	0.2655	-0.0605	342.3	-1 518c	23 518	
35 579	15 475	76.73	63.08	-24.74	67.76	0.2659	-0.0622	338.5	-1 524c	24 524	Mm
36 580	16 480	76.19	63.47	-29.0	69.78	0.2663	-0.0636	335.4	-1 531c	26 531	
36 582	17 485	75.25	63.85	-33.24	71.98	0.2669	-0.0652	332.4	-1 539c	27 539	
37 586	18 490	73.48	64.38	-38.35	74.94	0.268	-0.0672	329.2	-1 546c	29 546	min
38 594	18 495	69.37	65.85	-45.42	80.0	0.2707	-0.0704	325.4	-1 553c	30 553	
44 620	20 500	57.83	47.73	-68.3	83.33	0.2641	-0.0827	304.9	-1 570c	34 570	
-1 509c	21 510	46.39	-6.69	-89.11	89.37	0.2239	-0.0985	265.7	14 474	35 578	
-1 520c	24 520	52.55	-31.16	-80.41	86.24	0.2054	-0.0905	248.8	16 481	36 581	Bm
-1 529c	25 530	55.09	-40.06	-76.39	86.26	0.1996	-0.0874	242.3	16 484	36 582	
-1 540c	28 540	63.32	-63.25	-62.82	89.15	0.1871	-0.0786	224.8	17 489	37 586	
-1 544c	28 545	63.32	-63.25	-62.82	89.15	0.1871	-0.0786	224.8	17 489	37 586	
-1 549c	29 550	66.12	-68.89	-58.09	90.12	0.1849	-0.0759	220.1	18 491	37 588	
-1 554c	30 555	68.9	-73.2	-53.37	90.59	0.1837	-0.0735	216.0	18 492	37 589	
-1 560c	32 560	74.29	-77.49	-44.16	89.19	0.1839	-0.0691	209.6	18 494	38 594	
380	770	95.41	0.0	0.0	0.0	0.2296	-0.0538	0.0			

TUB-test chart BE25; CIE (x, y) and chroma (A^*_i, B^*_i)
Ostwald optimal colours for illuminant P25; diagram for illuminant P25, $Y_w=88,6$



BE251-7A_8



BE251-8A_8

TUB registration: 20170801-BE25/BE25L0NA.TXT /PS
application for measurement of offset print output

TUB material: code=rha4ta

input: w/rgb/cmyk -> rgb