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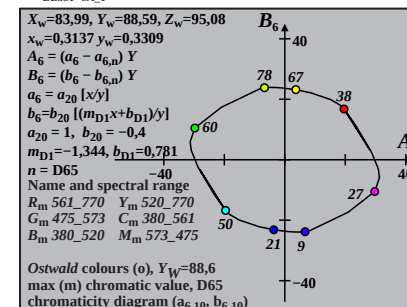
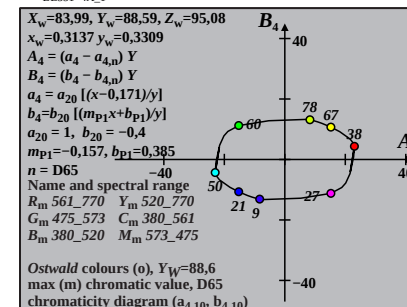
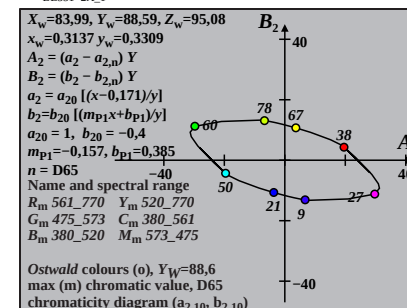
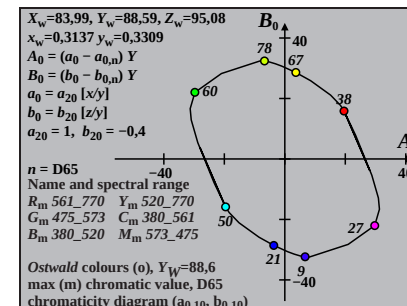
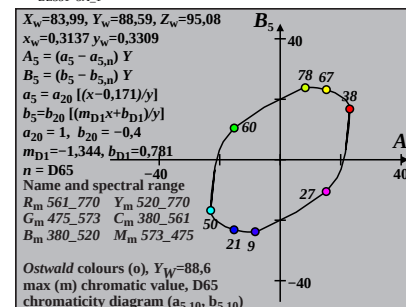
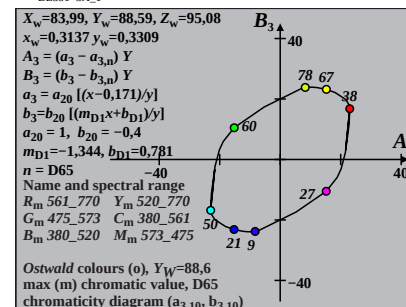
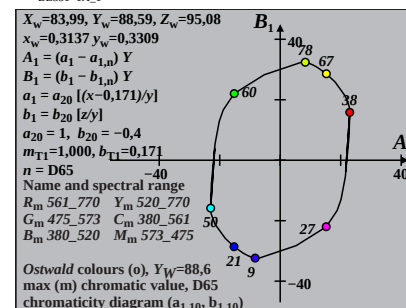
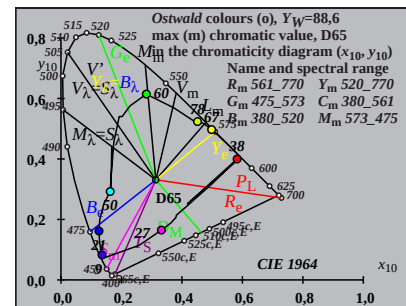
Ostwald optimal colours (o) of maximum (m) $C_{AB,10}$ for D65, $Y_{w,10}=88,6$, $Y_m=520_770$

i_D	λ_1	i_D	λ_2	Y_{10}	A_{10}	B_{10}	$C_{10AB,10}$	b_{10}	$h_{10ab,10}$	λ_d	i_c	λ_c	Code
0	405	31	556	50.11	-19.39	-16.23	25.29	0.5611	-0.7532	219.9	15	476	37 585 Cm
6	435	31	557	50.86	-23.42	-7.79	24.68	0.4876	-0.5825	198.4	16	480	44 621
10	450	31	559	50.96	-28.77	5.39	29.28	0.3834	-0.3234	169.3	18	491	-1 491c
11	460	32	562	52.51	-30.03	9.32	31.45	0.3761	-0.2517	162.7	19	498	-1 498c
12	465	33	565	53.96	-30.94	12.89	33.52	0.3747	-0.1903	157.3	21	506	-1 506c
14	470	34	570	55.87	-31.17	18.31	36.15	0.3903	-0.1016	149.5	24	522	-1 522c
15	475	35	579	60.81	-29.72	22.02	36.99	0.4593	-0.0672	143.4	26	533	-1 533c Gm
16	480	41	606	72.59	-20.95	28.25	35.17	0.6594	-0.0401	126.5	30	550	-1 550c
16	485	-1	484c	81.76	-9.26	32.18	33.49	0.8348	-0.0356	106.0	32	560	10 454
18	490	-1	490c	78.9	-6.71	32.38	33.07	0.863	-0.0188	101.7	32	562	11 459 max
19	495	-1	495c	77.11	-5.03	32.05	32.44	0.8828	-0.0136	98.9	32	563	12 461
19	500	-1	499c	77.11	-5.03	32.05	32.44	0.8828	-0.0136	98.9	32	563	12 461
22	510	-1	510c	70.07	1.26	29.72	29.75	0.9662	-0.0051	87.5	33	566	13 466
23	520	-1	519c	67.16	3.64	28.59	28.82	1.0024	-0.0036	82.7	33	568	13 468 Ym
26	530	-1	530c	56.85	10.9	24.34	26.68	1.14	-0.001	65.8	34	573	14 472
27	540	-1	539c	53.07	13.12	22.75	26.26	1.1955	-0.0005	60.0	35	576	14 473
28	545	-1	544c	49.2	15.14	21.11	25.98	1.2559	-0.0002	54.3	35	578	14 474
29	550	-1	549c	45.28	16.91	19.43	25.76	1.3215	-0.0001	48.9	36	580	15 475
31	555	-1	555c	37.53	19.47	16.11	25.27	1.4668	0.0	39.6	37	586	15 476
32	560	10	451	35.47	28.81	-5.48	29.33	1.7605	-0.5839	349.2	-1	492c	18 492
31	556	0	405	49.88	19.39	16.23	25.29	1.3369	-0.1039	39.9	37	585	15 476 Rm
31	557	6	435	49.13	23.42	7.79	24.68	1.4249	-0.2706	18.4	44	621	16 480
31	559	10	450	49.03	28.77	-5.39	29.28	1.535	-0.5393	349.3	-1	491c	18 491
32	562	11	460	47.48	30.03	-9.32	31.45	1.5806	-0.6257	342.7	-1	498c	19 498
33	565	12	465	46.03	30.94	-12.89	33.52	1.6203	-0.7095	337.3	-1	506c	21 506
34	570	14	470	44.12	31.16	-18.31	36.15	1.6546	-0.8444	329.5	-1	522c	24 522
35	579	15	475	39.18	29.72	-22.02	36.99	1.7067	-0.9913	323.4	-1	533c	26 533 Mm
41	606	16	480	27.4	20.95	-28.25	35.17	1.713	-1.4603	306.5	-1	550c	30 550
-1	484c	16	485	18.23	9.26	-32.18	33.49	1.4561	-2.1949	286.0	10	454	32 560
-1	490c	18	490	21.09	6.7	-32.38	33.07	1.2661	-1.9644	281.7	11	459	32 562 min
-1	495c	19	495	22.88	5.03	-32.05	32.44	1.1683	-1.8303	278.9	12	461	32 563
-1	499c	19	500	22.88	5.03	-32.05	32.44	1.1683	-1.8303	278.9	12	461	32 563
-1	510c	22	510	29.92	-1.26	-29.72	29.75	0.9057	-1.4227	267.5	13	466	33 566
-1	519c	23	520	32.83	-3.64	-28.59	28.82	0.8369	-1.3001	262.7	13	468	33 568 Bm
-1	530c	26	530	43.14	-10.9	-24.34	26.68	0.6953	-0.9936	245.8	14	472	34 573
-1	539c	27	540	46.92	-13.12	-22.75	26.26	0.6683	-0.9141	240.0	14	473	35 576
-1	544c	28	545	50.79	-15.14	-21.11	25.98	0.6499	-0.8449	234.3	14	474	35 578
-1	549c	29	550	54.71	-16.91	-19.43	25.76	0.639	-0.7846	228.9	15	475	36 580
-1	555c	31	555	62.46	-19.47	-16.11	25.27	0.6363	-0.6873	219.6	15	476	37 586
10	451	32	560	64.52	-28.81	5.48	29.33	0.5015	-0.3443	169.2	18	492	-1 492c
380	770	88.59	0.0	0.0	0.01	0.9481	-0.4293	0.0					

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BE350-7N_16

TUB-test chart BE35; CIE (x_{10} , y_{10}) and chromatic values ($A_{i,10}$, $B_{i,10}$) input: w/rgb/cmyk -> rgb
Ostwald optimal colours for illuminant D65; diagram for illuminant D65, $Y_{w,10}=88,6$



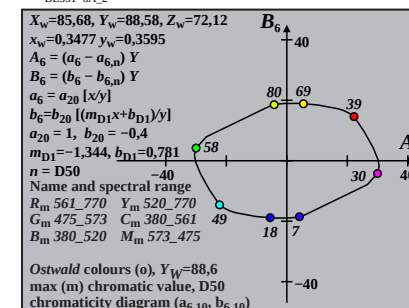
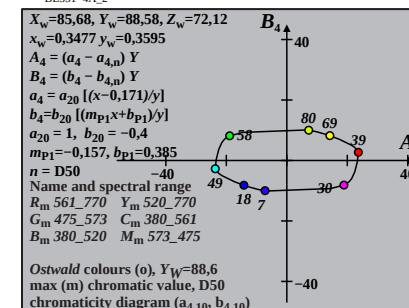
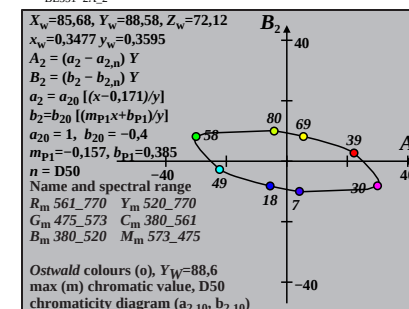
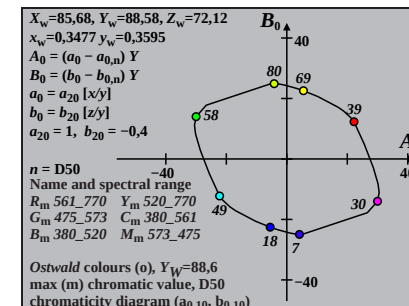
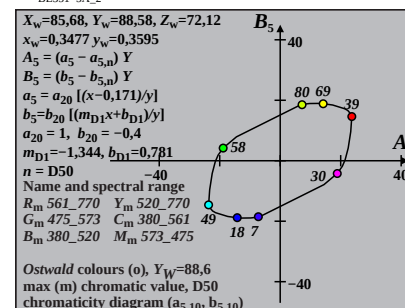
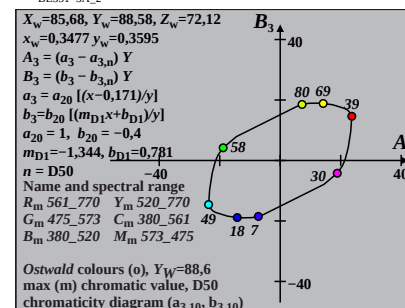
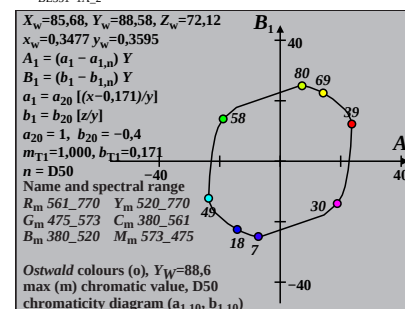
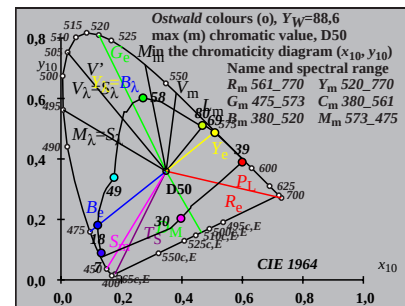
TUB registration: 20170801-BE35/BE35L0NA.TXT /PS
application for measurement of offset print output

TUB material: code=rha4ta

Ostwald optimal colours (o) of maximum (m) $C_{AB,10}$ for D50, $Y_{w,10}=88,6$, $Y_m=520_770$

i_D	λ_1	i_D	λ_2	Y_{10}	A_{10}	B_{10}	$C_{10AB,10}$	a_{10}	b_{10}	$h_{10ab,10}$	λ_d	i_c	λ_c	Code
1	405	31	559	49.57	-22.22	-12.28	25.39	0.5189	-0.5733	208.9	15 479	37	589	Cm
7	435	32	561	49.98	-25.6	-4.9	26.07	0.455	-0.4238	190.8	16 484	58	693	
10	450	32	562	50.19	-28.6	2.87	28.74	0.3973	-0.2684	174.2	18 493	-1	493c	
12	460	32	564	50.86	-30.08	7.95	31.12	0.3757	-0.1691	165.1	20 503	-1	503c	
13	465	33	566	51.8	-30.42	10.3	32.12	0.38	-0.1267	161.2	22 512	-1	512c	
14	470	34	570	53.71	-30.41	12.6	32.92	0.401	-0.0909	157.4	24 521	-1	521c	
15	475	35	576	57.15	-29.53	15.04	33.14	0.4504	-0.0624	153.0	26 531	-1	531c	Gm
16	480	38	590	64.56	-25.87	18.44	31.77	0.5665	-0.04	144.5	28 543	-1	543c	
17	485	-1	485c	82.03	-5.4	24.84	25.42	0.9014	-0.0228	102.2	32 563	11	458	
18	490	-1	490c	80.7	-4.15	24.92	25.27	0.9157	-0.0168	99.4	32 564	12	460	max
19	495	-1	495c	79.13	-2.64	24.79	24.93	0.9338	-0.0123	96.0	33 565	12	462	
20	500	-1	500c	77.28	-0.89	24.47	24.49	0.9556	-0.0089	92.0	33 566	12	464	
21	510	-1	509c	75.15	1.06	23.98	24.0	0.9814	-0.0065	87.4	33 567	13	466	
24	520	-1	520c	66.96	7.86	21.65	23.03	1.0847	-0.0023	70.0	34 571	14	471	Ym
25	530	-1	529c	63.63	10.28	20.62	23.04	1.1288	-0.0015	63.4	34 573	14	473	
28	540	-1	540c	52.55	16.96	17.1	24.09	1.29	-0.0002	45.2	35 579	15	476	
29	545	-1	545c	48.65	18.8	15.83	24.58	1.3537	-0.0001	40.1	36 581	15	477	
29	550	-1	549c	48.65	18.8	15.83	24.58	1.3537	-0.0001	40.1	36 581	15	477	
31	555	-1	555c	40.81	21.53	13.29	25.3	1.4949	0.0	31.6	37 587	15	479	
32	560	2	411	37.02	22.69	11.34	25.37	1.5801	-0.0192	26.5	38 591	16	480	
31	559	1	405	50.42	22.22	12.28	25.39	1.4079	-0.0821	28.9	37 589	15	479	Rm
32	561	7	435	50.01	25.6	4.9	26.07	1.4792	-0.2275	10.8	58 693	16	484	
32	562	10	450	49.8	28.6	-2.87	28.74	1.5415	-0.3833	354.2	-1 493c	18	493	
32	564	12	460	49.13	30.08	-7.95	31.11	1.5794	-0.4876	345.1	-1 503c	20	503	
33	566	13	465	48.19	30.42	-10.3	32.12	1.5985	-0.5394	341.2	-1 512c	22	512	
34	570	14	470	46.28	30.41	-12.6	32.92	1.6244	-0.598	337.4	-1 521c	24	521	
35	576	15	475	42.84	29.53	-15.04	33.14	1.6565	-0.6766	333.0	-1 531c	26	531	Mm
38	590	16	480	35.43	25.87	-18.44	31.77	1.6974	-0.846	324.5	-1 543c	28	543	
-1	485c	17	485	17.96	5.4	-24.84	25.42	1.2678	-1.7084	282.2	11 458	32	563	
-1	490c	18	490	19.29	4.15	-24.92	25.27	1.1826	-1.6177	279.4	12 460	32	564	min
-1	495c	19	495	20.86	2.64	-24.79	24.93	1.094	-1.5138	276.0	12 462	33	565	
-1	500c	20	500	22.71	0.89	-24.47	24.49	1.0065	-1.4029	272.0	12 464	33	566	
-1	509c	21	510	24.84	-1.06	-23.98	24.0	0.9242	-1.2908	267.4	13 466	33	567	
-1	520c	24	520	33.03	-7.86	-21.65	23.03	0.729	-0.981	250.0	14 471	34	571	Bm
-1	529c	25	530	36.36	-10.28	-20.62	23.04	0.6844	-0.8928	243.4	14 473	34	573	
-1	540c	28	540	47.44	-16.96	-17.1	24.09	0.6096	-0.6861	225.2	15 476	35	579	
-1	545c	29	545	51.34	-18.8	-15.83	24.58	0.601	-0.634	220.1	15 477	36	581	
-1	549c	29	550	51.34	-18.8	-15.83	24.58	0.601	-0.634	220.1	15 477	36	581	
-1	555c	31	555	59.18	-21.53	-13.29	25.3	0.6033	-0.5502	211.6	15 479	37	587	
2	411	32	560	62.97	-22.69	-11.34	25.37	0.6068	-0.5058	206.5	16 480	38	591	
380	770	88.58	0.0	0.0	0.01	0.9672	-0.3256	0.0						

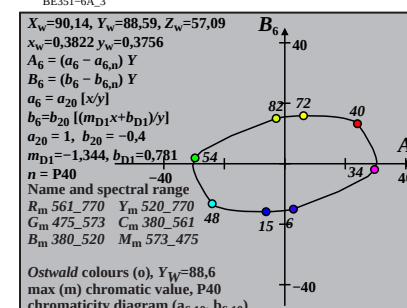
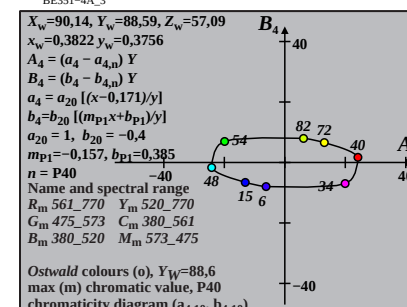
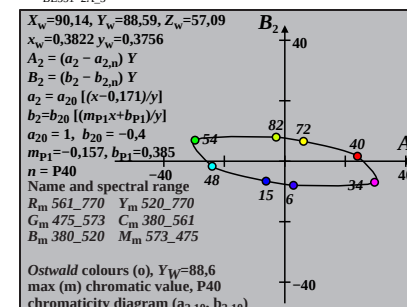
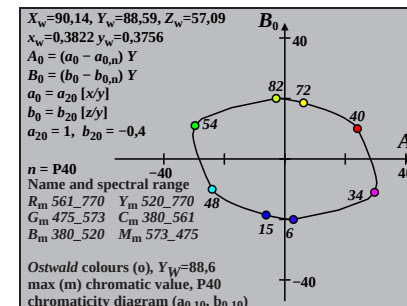
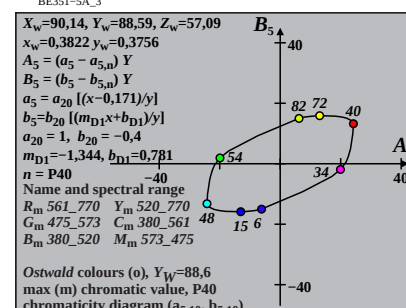
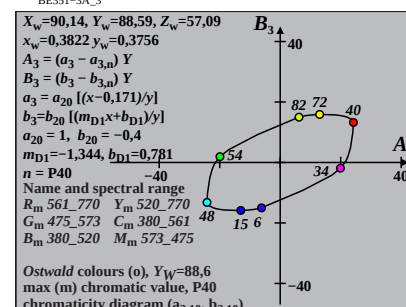
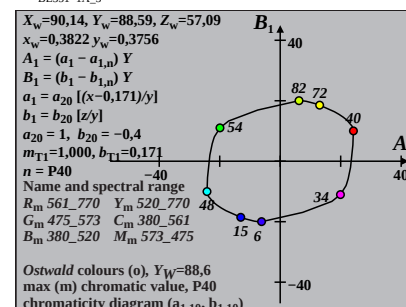
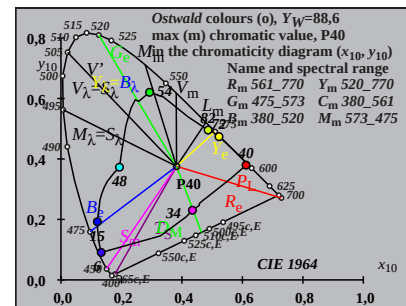
TUB-test chart BE35; CIE (x_{10} , y_{10}) and chromatic values ($A_{i,10}$, $B_{i,10}$) input: w/rgb/cmyk -> rgb
Ostwald optimal colours for illuminant D50; diagram for illuminant D50, $Y_{w,10}=88,6$



Ostwald optimal colours (o) of maximum (m) $C_{AB,10}$ for P40, $Y_{w,10}=88,6$, $Y_m=520_770$

i_0	λ_1	i_0	λ_2	Y_{10}	A_{10}	B_{10}	$C_{10AB,10}$	a_{10}	b_{10}	$h_{10ab,10}$	λ_d	i_c	λ_c	Code
0	405	32	563	48.29	-23.91	-10.23	26.01	0.5223	-0.4697	203.1	16 481	38 591		Cm
7	435	32	564	48.56	-26.91	-3.73	27.17	0.4633	-0.3347	187.9	17 487	-1 487c		
10	450	33	565	48.79	-29.1	2.03	29.17	0.4209	-0.216	175.9	19 495	-1 495c		
12	460	33	567	49.38	-30.1	5.8	30.66	0.4078	-0.1403	169.0	21 505	-1 505c		
12	465	33	568	50.64	-30.23	6.12	30.84	0.4206	-0.1368	168.5	21 506	-1 506c		
14	470	34	571	51.74	-30.3	9.28	31.69	0.4318	-0.0784	162.9	24 521	-1 521c		
15	475	35	576	54.48	-29.7	11.02	31.68	0.4722	-0.0555	159.6	26 531	-1 531c	Gm	
16	480	37	585	60.22	-27.45	13.29	30.5	0.5616	-0.0371	154.1	28 542	-1 542c		
17	485	42	611	73.36	-16.8	17.27	24.1	0.7884	-0.0223	134.2	31 558	-1 558c		
17	490	-1	489c	83.41	-3.97	19.86	20.25	0.9698	-0.0196	101.3	33 566	11 458	max	
19	495	-1	495c	80.92	-1.48	19.99	20.04	0.9991	-0.0107	94.2	33 568	12 463		
20	500	-1	500c	79.31	0.11	19.82	19.82	1.0189	-0.0078	89.6	33 569	13 465		
22	510	-1	510c	75.25	3.97	19.08	19.49	1.0703	-0.0041	78.2	34 571	13 469		
23	520	-1	519c	72.76	6.18	18.54	19.54	1.1024	-0.0029	71.5	34 572	14 471	Ym	
25	530	-1	529c	66.96	10.84	17.17	20.3	1.1794	-0.0013	57.7	35 575	14 474		
28	540	-1	540c	56.6	17.6	14.57	22.85	1.3284	-0.0002	39.6	36 581	15 477		
28	545	-1	544c	56.6	17.6	14.57	22.85	1.3284	-0.0002	39.6	36 581	15 477		
30	550	-1	550c	49.03	21.23	12.63	24.71	1.4506	0.0	30.7	37 585	15 479		
31	555	-1	555c	45.14	22.62	11.63	25.43	1.5185	0.0	27.2	37 587	16 480		
31	560	-1	559c	45.14	22.62	11.63	25.43	1.5185	0.0	27.2	37 587	16 480		
32	563	0	405	51.7	23.91	10.23	26.01	1.4799	-0.0598	23.1	38 591	16 481	Rm	
32	564	7	435	51.43	26.91	3.73	27.17	1.5408	-0.1851	7.9	-1 487c	17 487		
33	565	10	450	51.2	29.1	-2.03	29.17	1.5859	-0.2975	35.9	-1 495c	19 495		
33	567	12	460	50.61	30.1	-5.8	30.66	1.6123	-0.3723	34.0	-1 505c	21 505		
33	568	12	465	49.35	30.23	-6.12	30.84	1.63	-0.3819	34.8	-1 506c	21 506		
34	571	14	470	48.25	30.3	-9.28	31.69	1.6454	-0.4501	34.2	-1 521c	24 521		
35	576	15	475	45.51	29.7	-11.02	31.68	1.6702	-0.4999	33.9	-1 531c	26 531	Mm	
37	585	16	480	39.77	27.45	-13.29	30.5	1.7079	-0.5919	33.4	-1 542c	28 542		
42	611	17	485	26.63	16.8	-17.27	24.1	1.6486	-0.9063	31.4	-1 558c	31 558		
-1	489c	17	490	16.58	3.97	-19.86	20.25	1.2574	-1.4553	281.3	11 458	33 566	min	
-1	495c	19	495	19.07	1.48	-19.99	20.04	1.0955	-1.3056	27.2	12 463	33 568		
-1	500c	20	500	20.68	-0.11	-19.82	19.82	1.0119	-1.216	26.9	13 465	33 569		
-1	510c	22	510	24.74	-3.97	-19.08	19.49	0.8568	-1.029	25.8	13 469	34 571		
-1	519c	23	520	27.23	-6.18	-18.54	19.54	0.7905	-0.9386	25.1	14 471	34 572	Bm	
-1	529c	25	530	33.03	-10.84	-17.17	20.3	0.6892	-0.7775	23.7	14 474	35 575		
-1	540c	28	540	43.39	-17.6	-14.57	22.85	0.6118	-0.5937	21.9	15 477	36 581		
-1	544c	28	545	43.39	-17.6	-14.57	22.85	0.6118	-0.5937	21.9	15 477	36 581		
-1	550c	30	550	50.96	-21.23	-12.63	24.71	0.6007	-0.5057	21.0	15 479	37 585		
-1	555c	31	555	54.85	-22.62	-11.63	25.43	0.6051	-0.4699	20.7	16 480	37 587		
-1	559c	31	560	54.85	-22.62	-11.63	25.43	0.6051	-0.4699	20.7	16 480	37 587		
380	770	88.59	0.0	0.0	0.01	1.0175	-0.2577	0.0						

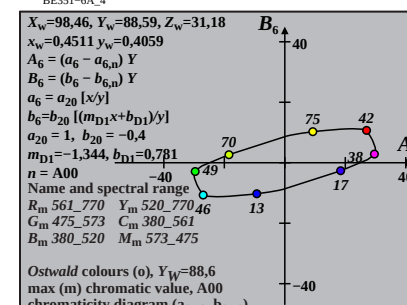
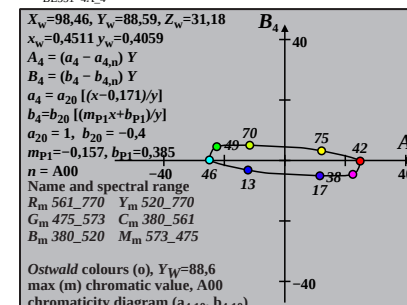
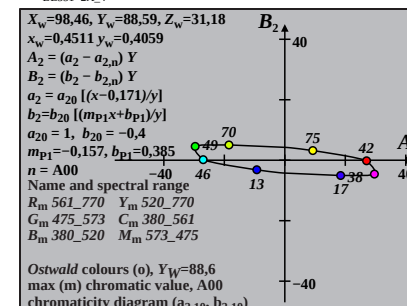
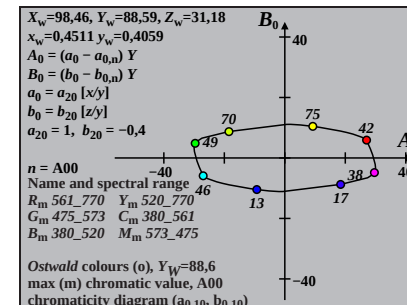
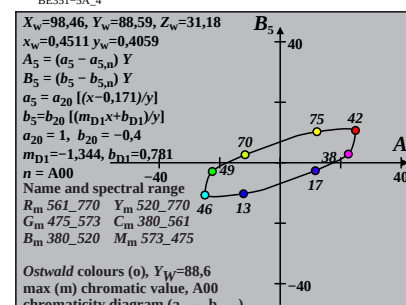
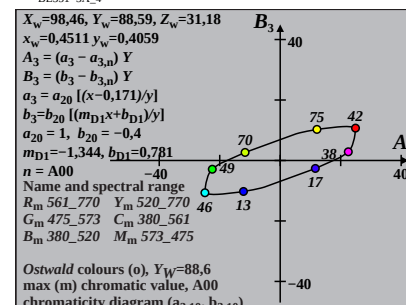
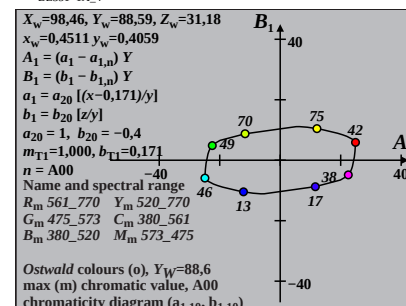
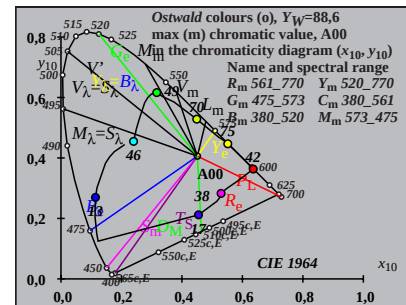
TUB-test chart BE35; CIE (x_{10} , y_{10}) and chromatic values ($A_{i,10}$, $B_{i,10}$) input: w/rgb/cmyk -> rgb
Ostwald optimal colours for illuminant P40; diagram for illuminant P40, $Y_{w,10}=88,6$



Ostwald optimal colours (o) of maximum (m) $C_{AB,10}$ for A00, $Y_{w,10}=88,6$, $Y_m=520_770$

i_0	λ_1	i_0	λ_2	Y_{10}	A_{10}	B_{10}	$C_{10AB,10}$	i_{10}	b_{10}	$h_{10ab,10}$	λ_d	i_c	λ_c	Code
1	405	34	570	46.3	-27.04	-5.82	27.66	0.5273	-0.2665	192.1	17	487	39	597 Cm
7	435	34	570	46.48	-28.29	-2.99	28.45	0.5027	-0.2051	186.0	18	491	47	639
9	450	34	571	46.75	-29.04	-1.02	29.06	0.4903	-0.1627	182.0	19	495	-1	495c
12	460	34	572	46.95	-29.87	2.08	29.95	0.4751	-0.0964	176.0	21	505	-1	505c
13	465	34	573	47.37	-29.98	3.06	30.14	0.4785	-0.076	174.1	22	512	-1	512c
14	470	34	574	48.19	-29.96	3.98	30.22	0.4898	-0.058	172.4	24	520	-1	520c
15	475	35	576	49.59	-29.62	4.84	30.02	0.5141	-0.0432	170.7	25	528	-1	528c Gm
16	480	36	581	52.34	-28.85	5.74	29.42	0.5602	-0.031	168.7	27	537	-1	537c
17	485	37	588	57.43	-26.72	6.86	27.59	0.6461	-0.0213	165.6	29	547	-1	547c
18	490	41	609	69.96	-17.63	8.93	19.76	0.8594	-0.0131	153.1	32	561	-1	561c max
19	495	-1	495c	83.69	0.62	11.1	11.12	1.1189	-0.0081	86.7	34	573	13	465
20	500	-1	500c	82.5	1.92	11.11	11.28	1.1348	-0.006	80.1	34	573	13	468
21	510	-1	509c	81.07	3.44	11.04	11.57	1.154	-0.0045	72.6	34	574	14	470
24	520	-1	520c	75.08	9.27	10.44	13.97	1.235	-0.0016	48.3	35	577	15	476 Ym
25	530	-1	529c	72.52	11.5	10.12	15.33	1.2701	-0.0011	41.3	35	578	15	477
27	540	-1	539c	66.59	16.12	9.34	18.63	1.3535	-0.0004	30.1	36	581	16	480
29	545	-1	545c	59.77	20.54	8.41	22.19	1.4551	0.0	22.2	37	585	16	483
30	550	-1	550c	56.1	22.5	7.89	23.85	1.5126	0.0	19.3	37	587	16	484
31	555	-1	555c	52.29	24.21	7.36	25.31	1.5746	0.0	16.9	37	589	17	485
32	560	-1	560c	48.36	25.6	6.81	26.49	1.6408	0.0	14.8	38	592	17	486
34	570	1	405	53.69	27.04	5.82	27.66	1.6151	-0.0323	12.1	39	597	17	487 Rm
34	570	7	435	53.51	28.29	2.99	28.45	1.6401	-0.0849	6.0	47	639	18	491
34	571	9	450	53.24	29.04	1.02	29.06	1.6569	-0.1215	2.0	-1	495c	19	495
34	572	12	460	53.04	29.87	-2.08	29.95	1.6747	-0.18	356.0	-1	505c	21	505
34	573	13	465	52.62	29.98	-3.06	30.14	1.6813	-0.199	354.1	-1	512c	22	512
34	574	14	470	51.8	29.96	-3.98	30.22	1.6899	-0.2177	352.4	-1	520c	24	520
35	576	15	475	50.4	29.62	-4.84	30.02	1.6993	-0.2368	350.7	-1	528c	25	528 Mm
36	581	16	480	47.65	28.85	-5.74	29.42	1.7171	-0.2613	348.7	-1	537c	27	537
37	588	17	485	42.56	26.72	-6.86	27.59	1.7393	-0.3019	345.6	-1	547c	29	547
41	609	18	490	30.03	17.63	-8.93	19.76	1.6987	-0.4383	333.1	-1	561c	32	561 min
-1	495c	19	495	16.3	-0.62	-11.1	11.12	1.0731	-0.8218	266.7	13	465	34	573
-1	500c	20	500	17.49	-1.92	-11.11	11.28	1.0015	-0.7762	260.1	13	468	34	573
-1	509c	21	510	18.92	-3.44	-11.04	11.57	0.9293	-0.7247	252.6	14	470	34	574
-1	520c	24	520	24.91	-9.27	-10.44	13.97	0.739	-0.56	228.3	15	476	35	577 Bm
-1	529c	25	530	27.47	-11.5	-10.12	15.33	0.6926	-0.5094	221.3	15	477	35	578
-1	539c	27	540	33.4	-16.12	-9.34	18.63	0.6288	-0.4207	210.1	16	480	36	581
-1	545c	29	545	40.22	-20.54	-8.41	22.19	0.6007	-0.3499	202.2	16	483	37	585
-1	550c	30	550	43.89	-22.5	-7.89	23.85	0.5987	-0.3207	199.3	16	484	37	587
-1	555c	31	555	47.7	-24.21	-7.36	25.31	0.6038	-0.2951	196.9	17	485	37	589
-1	560c	32	560	51.63	-25.6	-6.81	26.49	0.6155	-0.2727	194.8	17	486	38	592
380	770	88.59	0.0	0.0	0.01	1.1115	-0.1407	0.0						

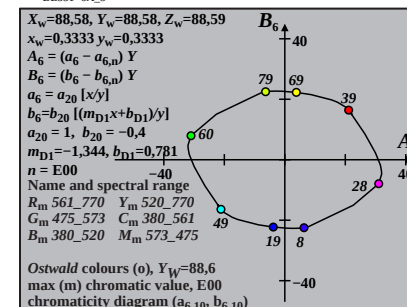
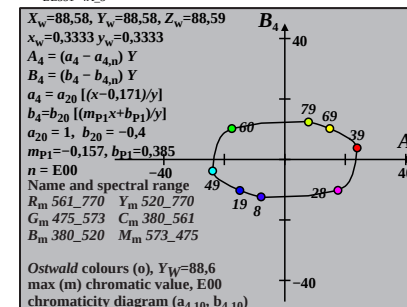
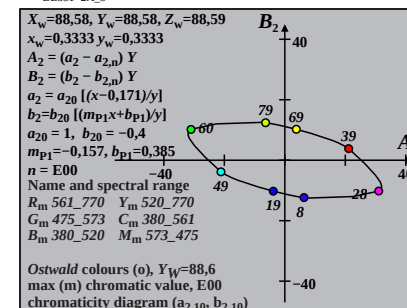
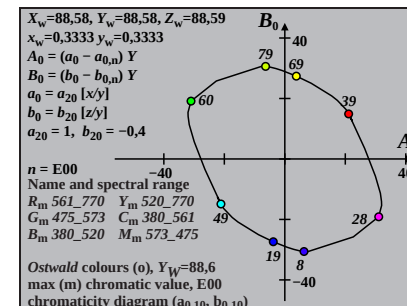
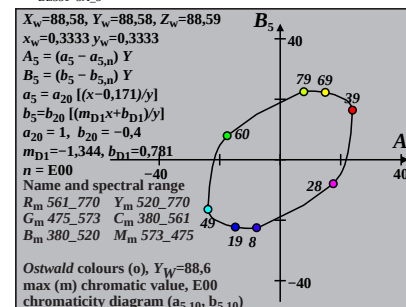
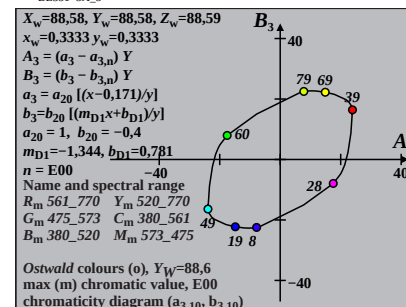
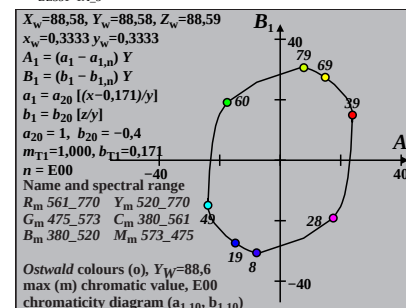
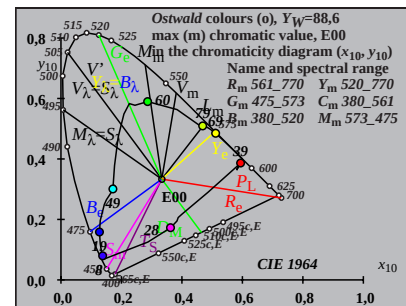
TUB-test chart BE35; CIE (x_{10} , y_{10}) and chromatic values ($A_{i,10}$, $B_{i,10}$) input: w/rgb/cmyk -> rgb
Ostwald optimal colours for illuminant A00; diagram for illuminant A00, $Y_{w,10}=88,6$



Ostwald optimal colours (o) of maximum (m) $C_{AB,10}$ for E00, $Y_{w,10}=88,6$, $Y_m=520_770$

i_0	λ_1	i_0	λ_2	Y_{10}	A_{10}	B_{10}	$C_{10AB,10}$	a_{10}	b_{10}	$h_{10ab,10}$	i_c	λ_c	Code	
1	405	31	559	49.32	-21.13	-14.91	25.86	0.5714	-0.7023	215.2	15	477	37 589	Cm
7	435	32	561	49.67	-26.4	-3.46	26.63	0.4683	-0.4698	187.4	16	484	-1 484c	
10	450	32	562	49.98	-29.95	5.7	30.49	0.4005	-0.2859	169.2	18	493	-1 493c	
12	460	33	565	50.94	-31.6	11.35	33.58	0.3794	-0.177	160.2	21	506	-1 506c	
13	465	33	568	52.23	-31.97	14.05	34.92	0.3878	-0.1308	156.2	23	515	-1 515c	
13	470	34	572	55.57	-32.01	15.39	35.52	0.4237	-0.123	154.3	24	520	-1 520c	
14	475	36	581	60.42	-31.03	19.11	36.44	0.4863	-0.0836	148.3	26	532	-1 532c	Gm
16	480	40	604	71.12	-22.64	25.78	34.31	0.6815	-0.0374	131.2	30	551	-1 551c	
17	485	-1	485c	81.33	-7.7	30.62	31.57	0.9052	-0.0235	104.1	32	564	11 456	
18	490	-1	490c	79.94	-6.34	30.6	31.25	0.9204	-0.0171	101.7	32	564	11 458	max
19	495	-1	495c	78.31	-4.74	30.35	30.72	0.9393	-0.0124	98.8	33	565	12 460	
20	500	-1	500c	76.43	-2.89	29.88	30.02	0.962	-0.009	95.5	33	566	12 462	
22	510	-1	510c	71.82	1.41	28.39	28.42	1.0195	-0.0047	87.1	33	569	13 466	
23	520	-1	519c	69.07	3.8	27.4	27.66	1.0549	-0.0033	82.1	34	570	13 468	Ym
25	530	-1	529c	62.84	8.7	25.04	26.51	1.1384	-0.0015	70.8	34	573	14 470	
27	540	-1	539c	55.84	13.38	22.3	26.01	1.2395	-0.0005	59.0	35	577	14 473	
29	545	-1	545c	48.4	17.38	19.35	26.01	1.359	0.0	48.0	36	582	15 475	
29	550	-1	549c	48.4	17.38	19.35	26.01	1.359	0.0	48.0	36	582	15 475	
31	555	-1	555c	40.83	20.26	16.33	26.03	1.4962	0.0	38.8	37	587	15 476	
32	560	3	415	37.2	22.29	12.58	25.6	1.5991	-0.0619	29.4	39	595	15 478	
31	559	1	405	50.67	21.13	14.91	25.86	1.4169	-0.1057	35.2	37	589	15 477	Rm
32	561	7	435	50.32	26.4	3.46	26.63	1.5247	-0.3311	7.4	-1	484c	16 484	
32	562	10	450	50.01	29.95	-5.7	30.49	1.5988	-0.514	349.2	-1	493c	18 493	
33	565	12	460	49.05	31.6	-11.35	33.58	1.6441	-0.6315	340.2	-1	506c	21 506	
33	568	13	465	47.76	31.97	-14.05	34.92	1.6693	-0.6944	336.2	-1	515c	23 515	
34	572	13	470	44.42	32.01	-15.39	35.52	1.7204	-0.7464	334.3	-1	520c	24 520	
36	581	14	475	39.57	31.03	-19.11	36.44	1.784	-0.8831	328.3	-1	532c	26 532	Mm
40	604	16	480	28.87	22.64	-25.78	34.31	1.7839	-1.2929	311.2	-1	551c	30 551	
-1	485c	17	485	18.66	7.7	-30.62	31.57	1.4126	-2.0409	284.1	11	456	32 564	
-1	490c	18	490	20.05	6.34	-30.6	31.25	1.3164	-1.9262	281.7	11	458	32 564	min
-1	495c	19	495	21.68	4.74	-30.35	30.72	1.2185	-1.8	278.8	12	460	33 565	
-1	500c	20	500	23.56	2.89	-29.88	30.02	1.1226	-1.6683	275.5	12	462	33 566	
-1	510c	22	510	28.17	-1.41	-28.39	28.42	0.9497	-1.4076	267.1	13	466	33 569	
-1	519c	23	520	30.92	-3.8	-27.4	27.66	0.8769	-1.2861	262.1	13	468	34 570	Bm
-1	529c	25	530	37.15	-8.7	-25.04	26.51	0.7656	-1.0739	250.8	14	470	34 573	
-1	539c	27	540	44.15	-13.38	-22.3	26.01	0.6968	-0.9052	239.0	14	473	35 577	
-1	545c	29	545	51.59	-17.38	-19.35	26.01	0.6629	-0.7752	228.0	15	475	36 582	
-1	549c	29	550	51.59	-17.38	-19.35	26.01	0.6629	-0.7752	228.0	15	475	36 582	
-1	555c	31	555	59.16	-20.26	-16.33	26.03	0.6573	-0.6761	218.8	15	476	37 587	
3	415	32	560	62.79	-22.29	-12.58	25.6	0.6448	-0.6003	209.4	15	478	39 595	
380	770	88.58	0.0	0.0	0.01	0.9999	-0.4	0.0						

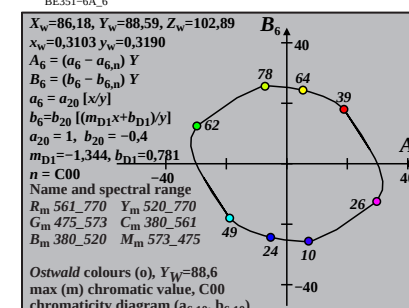
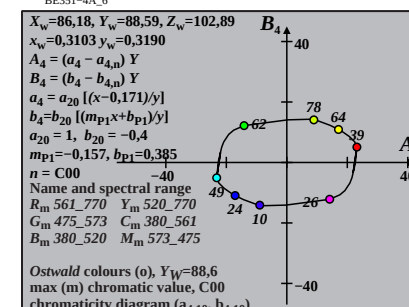
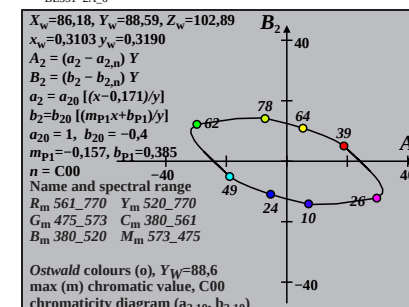
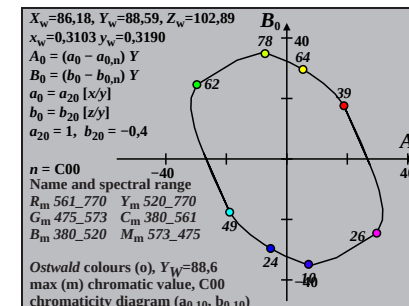
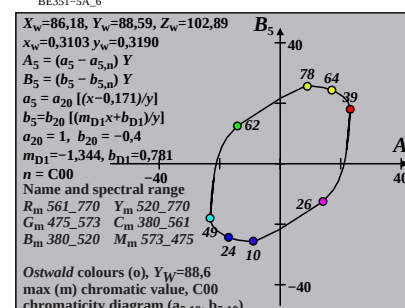
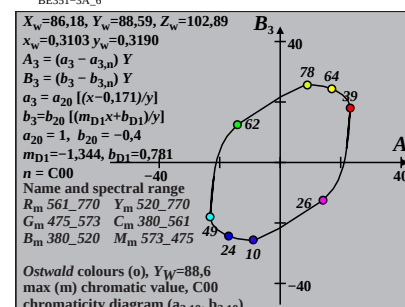
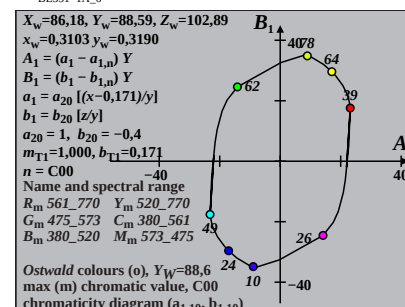
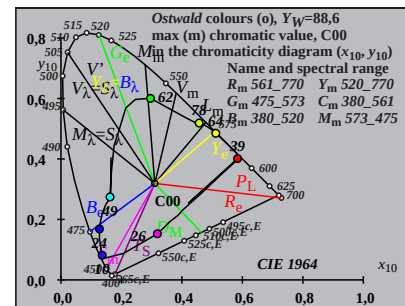
TUB-test chart BE35; CIE (x_{10} , y_{10}) and chromatic values ($A_{i,10}$, $B_{i,10}$) input: w/rgb/cmyk -> rgb
Ostwald optimal colours for illuminant E00; diagram for illuminant E00, $Y_{w,10}=88,6$



Ostwald optimal colours (o) of maximum (m) $C_{AB,10}$ for C00, $Y_{w,10}=88,6$, $Y_m=520_770$

i_D	λ_1	i_D	λ_2	Y_{10}	A_{10}	B_{10}	$C_{10AB,10}$	a_{10}	b_{10}	$h_{10ab,10}$	λ_d	i_c	λ_c	Code
1	405	31	556	49.5	-18.88	-17.58	25.8	0.5914	-0.8198	222.9	15 475	37	586	Cm
6	435	31	558	50.35	-23.27	-8.35	24.72	0.5106	-0.6304	199.7	16 480	44	623	
9	450	32	560	50.96	-27.95	2.77	28.08	0.4244	-0.4102	174.3	17 487	-1	487c	
12	460	32	563	51.67	-31.19	13.19	33.86	0.3692	-0.2092	157.0	20 504	-1	504c	
12	465	33	566	54.03	-31.45	14.29	34.54	0.3908	-0.2001	155.5	21 507	-1	507c	
13	470	34	572	57.3	-31.76	18.48	36.75	0.4185	-0.1419	149.8	24 520	-1	520c	
14	475	36	582	63.12	-30.31	23.38	38.28	0.4925	-0.0941	142.3	26 533	-1	533c	Gm
16	480	44	622	76.76	-16.45	32.65	36.56	0.7584	-0.0391	116.7	31 556	0	403	
17	485	-1	485c	79.83	-8.74	34.98	36.06	0.8633	-0.0263	104.0	32 562	11	456	
18	490	-1	490c	78.19	-7.19	34.86	35.6	0.8809	-0.0186	101.6	32 563	11	459	max
19	495	-1	495c	76.34	-5.41	34.46	34.88	0.9019	-0.0131	98.9	32 564	12	461	
20	500	-1	500c	74.3	-3.46	33.82	34.0	0.9262	-0.0093	95.8	33 565	12	463	
22	510	-1	510c	69.61	0.78	32.0	32.01	0.9842	-0.0047	88.5	33 567	13	466	
24	520	-1	520c	64.04	5.32	29.6	30.08	1.0559	-0.0023	79.8	34 570	13	468	Ym
26	530	-1	530c	57.57	9.86	26.68	28.45	1.1441	-0.0009	69.7	34 574	14	471	
28	540	-1	540c	50.2	14.12	23.3	27.25	1.2541	-0.0002	58.7	35 578	14	473	
28	545	-1	544c	50.2	14.12	23.3	27.25	1.2541	-0.0002	58.7	35 578	14	473	
29	550	-1	549c	46.31	15.97	21.51	26.79	1.3177	-0.0001	53.4	36 580	14	474	
31	555	-1	555c	38.38	18.77	17.83	25.89	1.462	0.0	43.5	37 585	15	475	
31	560	9	447	39.93	27.47	-1.97	27.54	1.6609	-0.5141	355.8	-1 487c	17	487	
31	556	1	405	50.49	18.88	17.58	25.8	1.3468	-0.1162	42.9	37 586	15	475	Rm
31	558	6	435	49.64	23.27	8.35	24.72	1.4417	-0.2962	19.7	44 623	16	480	
32	560	9	450	49.03	27.95	-2.77	28.08	1.5429	-0.521	354.3	-1 487c	17	487	
32	563	12	460	48.32	31.19	-13.19	33.86	1.6182	-0.7375	337.0	-1 504c	20	504	
33	566	12	465	45.96	31.44	-14.29	34.54	1.6571	-0.7755	335.5	-1 507c	21	507	
34	572	13	470	42.69	31.76	-18.48	36.75	1.7168	-0.8975	329.8	-1 520c	24	520	
36	582	14	475	36.87	30.31	-23.38	38.28	1.795	-1.0986	322.3	-1 533c	26	533	Mm
44	622	16	480	23.23	16.45	-32.65	36.56	1.681	-1.8698	296.7	0 403	31	556	
-1	485c	17	485	20.16	8.74	-34.98	36.06	1.4062	-2.1995	284.0	11 456	32	562	
-1	490c	18	490	21.8	7.18	-34.86	35.6	1.3025	-2.0633	281.6	11 459	32	563	min
-1	495c	19	495	23.65	5.41	-34.46	34.88	1.2017	-1.9215	278.9	12 461	32	564	
-1	500c	20	500	25.69	3.46	-33.82	34.0	1.1076	-1.7807	275.8	12 463	33	565	
-1	510c	22	510	30.38	-0.78	-32.0	32.01	0.9468	-1.5179	268.5	13 466	33	567	
-1	520c	24	520	35.95	-5.32	-29.6	30.08	0.8248	-1.288	259.8	13 468	34	570	Bm
-1	530c	26	530	42.42	-9.86	-26.68	28.45	0.7404	-1.0936	249.7	14 471	34	574	
-1	540c	28	540	49.79	-14.12	-23.3	27.25	0.6892	-0.9326	238.7	14 473	35	578	
-1	544c	28	545	49.79	-14.12	-23.3	27.25	0.6892	-0.9326	238.7	14 473	35	578	
-1	549c	29	550	53.68	-15.97	-21.51	26.79	0.6753	-0.8652	233.4	14 474	36	580	
-1	555c	31	555	61.61	-18.77	-17.83	25.89	0.668	-0.7539	223.5	15 475	37	585	
9	447	31	560	60.06	-27.47	1.97	27.54	0.5154	-0.4316	175.8	17 487	-1	487c	
380	770	88.59	0.0	0.0	0.01	0.9728	-0.4645	0.0						

TUB-test chart BE35; CIE (x_{10} , y_{10}) and chromatic values ($A_{i,10}$, $B_{i,10}$) input: w/rgb/cmyk -> rgb
Ostwald optimal colours for illuminant C00; diagram for illuminant C00, $Y_{w,10}=88,6$



see similar files: <http://farbe.li.tu-berlin.de/BE35/BE35.HTM>
technical information: <http://farbe.li.tu-berlin.de> or <http://130.149.60.45/~farbmetrik>

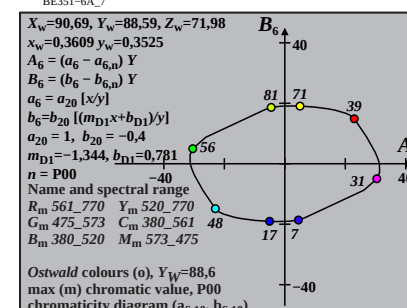
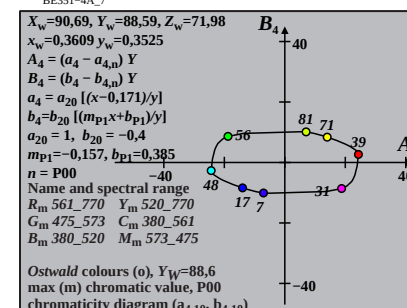
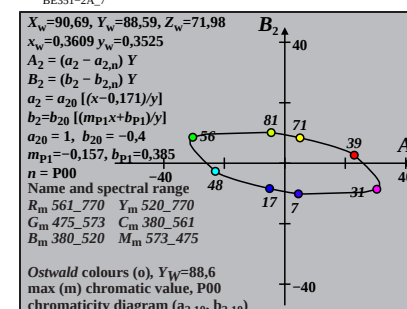
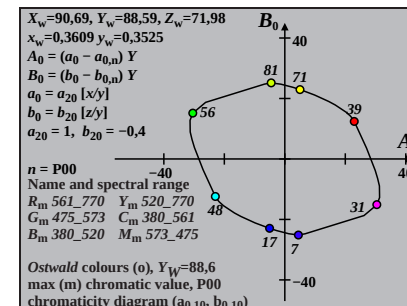
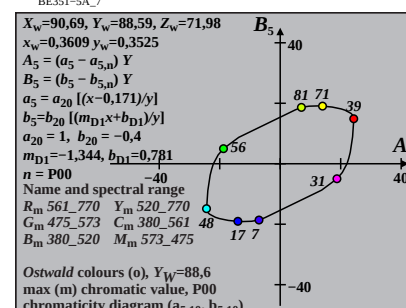
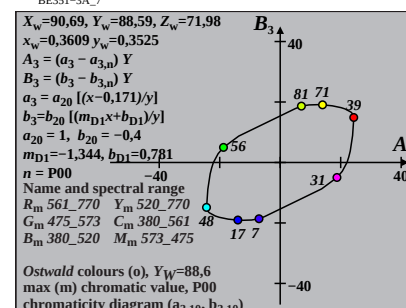
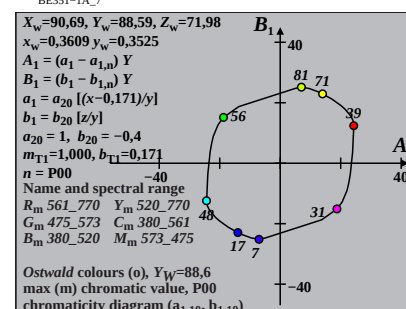
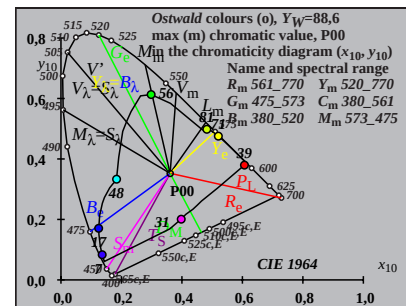
TUB registration: 20170801-BE35/BE35L0NA.TXT /.PS
application for measurement of offset print output

TUB material: code=rha4ta

Ostwald optimal colours (o) of maximum (m) $C_{AB,10}$ for P00, $Y_{w,10}=88,6$, $Y_m=520-770$

λ_1	λ_2	Y_{10}	A_{10}	B_{10}	$C_{10AB}, 10^{10}$	b_{10}	$h_{10ab}, 10^4$	λ_d	i_c	λ_c	Code
0 405	32 562	48.64	-22.8	-12.73	26.11	0.5548	-0.5867 209.1	15 479	38 591		Cm
7 435	32 563	48.91	-27.02	-3.58	27.26	0.4712	-0.3982 187.5	17 485	-1 485c		
9 450	32 564	49.48	-29.1	1.48	29.13	0.4356	-0.295 177.0	18 491	-1 491c		
12 460	33 567	49.93	-31.12	8.41	32.23	0.4005	-0.1565 164.8	21 506	-1 506c		
13 465	33 569	50.97	-31.45	10.58	33.18	0.4067	-0.1172 161.3	22 514	-1 514c		
13 470	34 572	53.65	-31.48	11.46	33.5	0.437	-0.1114 159.9	23 518	-1 518c		
15 475	35 579	56.67	-30.45	15.13	34.0	0.4865	-0.0579 153.5	26 534	-1 534c	Gm	
16 480	38 593	64.97	-26.18	18.71	32.19	0.6206	-0.0369 144.4	29 547	-1 547c		
17 485	-1 485c	82.48	-5.72	25.06	25.71	0.9543	-0.0211 102.8	33 566	11 457		
17 490	-1 489c	82.48	-5.72	25.06	25.71	0.9543	-0.0211 102.8	33 566	11 457		max
19 495	-1 495c	79.78	-3.01	25.02	25.2	0.9859	-0.0113 96.8	33 567	12 461		
19 500	-1 499c	79.78	-3.01	25.02	25.2	0.9859	-0.0113 96.8	33 567	12 461		
22 510	-1 510c	73.83	2.75	23.67	23.83	1.0611	-0.0043 83.3	34 570	13 467		
23 520	-1 519c	71.27	5.04	22.94	23.49	1.0945	-0.003 77.5	34 572	13 469	Ym	
26 530	-1 530c	62.09	12.2	20.12	23.53	1.2202	-0.0008 58.7	35 577	14 473		
28 540	-1 540c	55.01	16.65	17.86	24.42	1.3264	-0.0002 47.0	36 580	15 475		
28 545	-1 544c	55.01	16.65	17.86	24.42	1.3264	-0.0002 47.0	36 580	15 475		
29 550	-1 549c	51.31	18.6	16.67	24.98	1.3862	0.0 41.8	36 583	15 476		
31 555	-1 555c	43.74	21.66	14.21	25.91	1.5189	0.0 33.2	37 587	15 478		
32 560	-1 560c	39.93	22.67	12.97	26.13	1.5916	0.0 29.7	38 590	15 479		
32 562	0 405	51.35	22.8	12.73	26.11	1.4677	-0.0771 29.1	38 591	15 479	Rm	
32 563	7 435	51.08	27.02	3.58	27.26	1.5528	-0.2548 7.5	-1 485c	17 485		
32 564	9 450	50.51	29.1	-1.48	29.13	1.5998	-0.3543 357.0	-1 491c	18 491		
33 567	12 460	50.06	31.12	-8.41	32.23	1.6454	-0.493 344.8	-1 506c	21 506		
33 569	13 465	49.02	31.45	-10.58	33.18	1.6653	-0.541 341.3	-1 514c	22 514		
34 572	13 470	46.34	31.48	-11.46	33.5	1.703	-0.5723 339.9	-1 518c	23 518		
35 579	15 475	43.32	30.45	-15.13	34.0	1.7266	-0.6744 333.5	-1 534c	26 534	Mm	
38 593	16 480	35.02	26.18	-18.71	32.19	1.7714	-0.8593 324.4	-1 547c	29 547		
-1 485c	17 485	17.51	5.72	-25.06	25.71	1.3505	-1.756 282.8	11 457	33 566		
-1 489c	17 490	17.51	5.72	-25.06	25.71	1.3505	-1.756 282.8	11 457	33 566	min	
-1 495c	19 495	20.21	3.01	-25.02	25.2	1.1729	-1.5632 276.8	12 461	33 567		
-1 499c	19 500	20.21	3.01	-25.02	25.2	1.1729	-1.5632 276.8	12 461	33 567		
-1 510c	22 510	26.16	-2.76	-23.67	23.83	0.9182	-1.23 263.3	13 467	34 570		
-1 519c	23 520	28.72	-5.04	-22.94	23.49	0.8479	-1.1237 257.5	13 469	34 572	Bm	
-1 530c	26 530	37.9	-12.2	-20.12	23.53	0.7018	-0.8559 238.7	14 473	35 577		
-1 540c	28 540	44.98	-16.65	-17.86	24.42	0.6535	-0.7222 227.0	15 475	36 580		
-1 544c	28 545	44.98	-16.65	-17.86	24.42	0.6535	-0.7222 227.0	15 475	36 580		
-1 549c	29 550	48.68	-18.6	-16.67	24.98	0.6416	-0.6675 221.8	15 476	36 583		
-1 555c	31 555	56.25	-21.66	-14.21	25.91	0.6386	-0.5777 213.2	15 478	37 587		
-1 560c	32 560	60.06	-22.68	-12.97	26.13	0.6461	-0.5411 209.7	15 479	38 590		
380	770	88.59	0.0	0.0	0.01	1.0237	-0.325 0.0				

TUB-test chart BE35; CIE (x_{10} , y_{10}) and chromatic values ($A_{i,10}$, $B_{i,10}$) input: w/rgb/cmyk -> rgb
Ostwald optimal colours for illuminant P00; diagram for illuminant P00, $Y_{w,10}=88,6$



Ostwald optimal colours (o) of maximum (m) $C_{AB,10}$ for Q00, $Y_{w,10}=88,6$, $Y_m=520,770$

λ_1	λ_2	Y_{10}	A_{10}	B_{10}	$C_{10AB,10}$	b_{10}	$h_{10ab,10}$	λ_d	i_c	λ_c	Code
1	405	31	556	49.88	-19.08	-17.32	25.77	0.594	-0.821	222.2	15 475 37 587 Cm
7	435	31	558	50.34	-25.63	-3.27	25.84	0.4674	-0.5388	187.2	16 482 -1 482c
10	450	32	560	50.73	-29.97	7.66	30.94	0.3856	-0.3225	165.6	18 493 -1 493c
12	460	32	563	51.88	-31.91	14.37	35.0	0.3613	-0.1966	155.7	21 506 -1 506c
13	465	33	566	53.44	-32.42	17.63	36.91	0.3697	-0.1437	151.4	23 515 -1 515c
13	470	34	572	57.44	-32.45	19.53	37.87	0.4115	-0.1337	148.9	24 520 -1 520c
15	475	36	583	62.39	-30.39	25.47	39.66	0.4892	-0.0654	140.0	27 536 -1 536c Gm
15	480	45	629	79.6	-16.38	33.62	37.4	0.7706	-0.0512	115.9	31 556 2 413
17	485	-1	485c	80.21	-9.69	35.9	37.19	0.8556	-0.026	105.1	32 561 11 455
17	490	-1	489c	80.21	-9.69	35.9	37.19	0.8556	-0.026	105.1	32 561 11 455 max
18	495	-1	494c	78.66	-8.23	35.77	36.71	0.8718	-0.0189	102.9	32 562 11 458
19	500	-1	499c	76.87	-6.5	35.36	35.95	0.8919	-0.0136	100.4	32 563 12 460
21	510	-1	509c	72.48	-2.35	33.81	33.9	0.944	-0.007	93.9	33 566 12 464
24	520	-1	520c	63.73	4.99	30.03	30.44	1.0549	-0.0024	80.5	34 570 13 468 Ym
26	530	-1	530c	56.8	9.88	26.85	28.61	1.1505	-0.001	69.7	34 574 14 471
27	540	-1	539c	53.11	12.15	25.12	27.91	1.2053	-0.0005	64.1	35 576 14 472
29	545	-1	545c	45.54	16.05	21.57	26.88	1.3289	-0.0001	53.3	36 581 14 474
30	550	-1	550c	41.75	17.57	19.77	26.45	1.3974	0.0	48.3	36 583 15 475
30	555	-1	554c	41.75	17.57	19.77	26.45	1.3974	0.0	48.3	36 583 15 475
31	560	9	447	39.61	28.31	-3.53	28.53	1.6912	-0.5628	352.8	-1 488c 17 488
31	556	1	405	50.11	19.08	17.32	25.77	1.3572	-0.1279	42.2	37 587 15 475 Rm
31	558	7	435	49.65	25.63	3.27	25.84	1.4927	-0.4076	7.2	-1 482c 16 482
32	560	10	450	49.26	29.97	-7.66	30.94	1.5849	-0.6293	345.6	-1 493c 18 493
32	563	12	460	48.11	31.91	-14.37	35.0	1.6397	-0.7724	335.7	-1 506c 21 506
33	566	13	465	46.55	32.42	-17.63	36.91	1.6731	-0.8525	331.4	-1 515c 23 515
34	572	13	470	42.55	32.45	-19.53	37.87	1.739	-0.9326	328.9	-1 520c 24 520
36	583	15	475	37.6	30.39	-25.47	39.66	1.7847	-1.151	320.0	-1 536c 27 536 Mm
45	629	15	480	20.39	16.38	-33.62	37.4	1.78	-2.1223	295.9	2 413 31 556
-1	485c	17	485	19.78	9.69	-35.9	37.19	1.4666	-2.2886	285.1	11 455 32 561
-1	489c	17	490	19.78	9.69	-35.9	37.19	1.4666	-2.2886	285.1	11 455 32 561 min
-1	494c	18	495	21.33	8.23	-35.77	36.71	1.3623	-2.1509	282.9	11 458 32 562
-1	499c	19	500	23.12	6.5	-35.36	35.95	1.2577	-2.0032	280.4	12 460 32 563
-1	509c	21	510	27.51	2.35	-33.81	33.9	1.062	-1.7026	273.9	12 464 33 566
-1	520c	24	520	36.26	-4.99	-30.03	30.44	0.8386	-1.3018	260.5	13 468 34 570 Bm
-1	530c	26	530	43.19	-9.88	-26.85	28.61	0.7476	-1.0952	249.7	14 471 34 574
-1	539c	27	540	46.88	-12.15	-25.12	27.91	0.7172	-1.0096	244.1	14 472 35 576
-1	545c	29	545	54.45	-16.05	-21.57	26.88	0.6817	-0.8698	233.3	14 474 36 581
-1	550c	30	550	58.24	-17.57	-19.77	26.45	0.6747	-0.8132	228.3	15 475 36 583
-1	554c	30	555	58.24	-17.57	-19.77	26.45	0.6747	-0.8132	228.3	15 475 36 583
9	447	31	560	60.38	-28.31	3.53	28.53	0.5075	-0.4151	172.8	17 488 -1 488c
380	770	88.59	0.0	0.0	0.01	0.9764	-0.4736	0.0			

TUB-test chart BE35; CIE (x_{10} , y_{10}) and chromatic values ($A_{i,10}$, $B_{i,10}$) input: w/rgb/cmyk -> rgb
Ostwald optimal colours for illuminant Q00; diagram for illuminant Q00, $Y_{w,10}=88,6$

