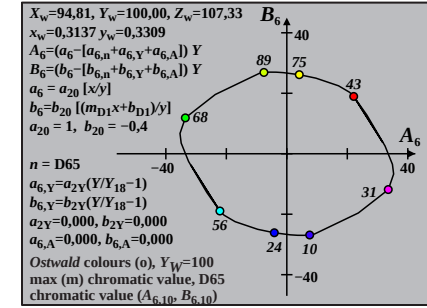
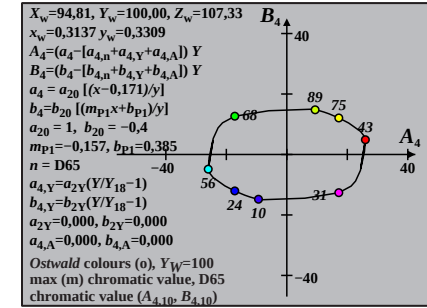
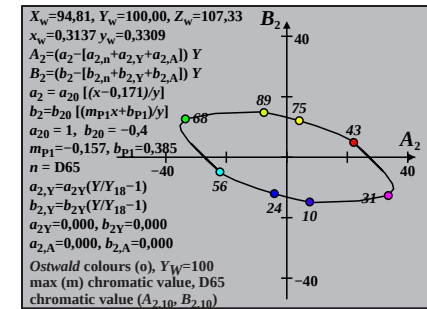
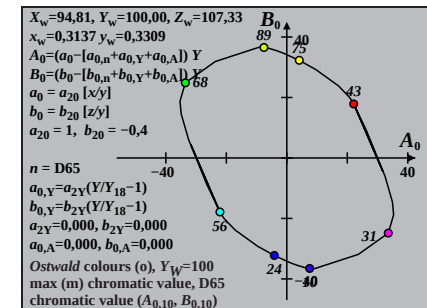
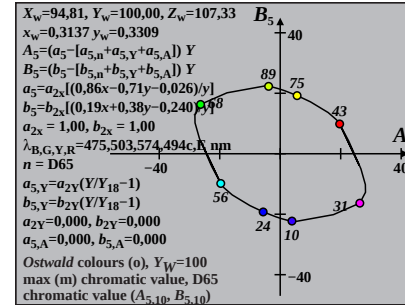
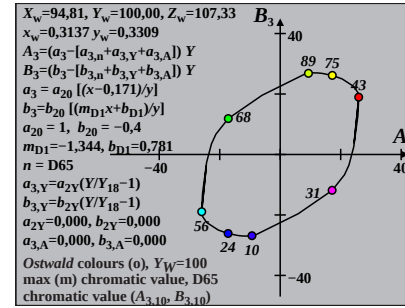
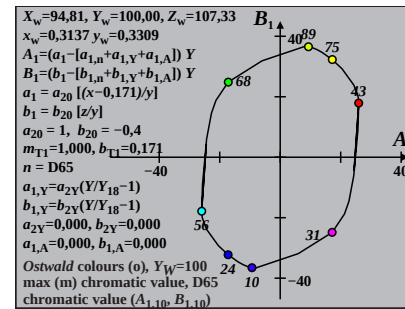
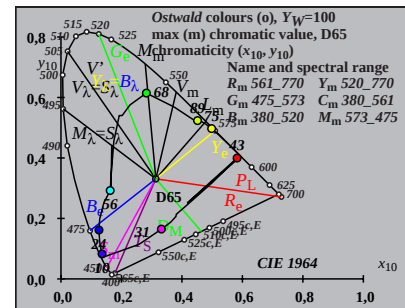


see similar files: <http://farbe.li.tu-berlin.de/CE34/CE34.HTM>
technical information: <http://farbe.li.tu-berlin.de> or <http://130.149.60.45/~farbmetrik>

Ostwald optimal colours (o) of maximum (m) $C_{AB,10}$ for D65, $Y_{w,10}=100$, $Y_m=520_770$

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	31 556	56.57	-21.89	-18.32	28.54	0.5611	-0.7532	219.9	15 476	37 585	Cm
6 435	31 557	57.42	-26.44	-8.79	27.86	0.4876	-0.5825	198.4	16 480	44 621	
10 450	31 559	57.53	-32.48	6.09	33.05	0.3834	-0.3234	169.3	18 491	-1 491c	
11 460	32 562	59.27	-33.9	10.52	35.5	0.3761	-0.2517	162.7	19 498	-1 498c	
12 465	33 565	60.92	-34.93	14.56	37.84	0.3747	-0.1903	157.3	21 506	-1 506c	
14 470	34 570	63.07	-35.18	20.67	40.8	0.3903	-0.1016	149.5	24 522	-1 522c	
15 475	35 579	68.64	-33.55	24.85	41.75	0.4593	-0.0672	143.4	26 533	-1 533c	Gm
16 480	41 606	81.94	-23.65	31.88	39.7	0.6594	-0.0401	126.5	30 550	-1 550c	
16 485	-1 484c	92.3	-10.45	36.33	37.8	0.8348	-0.0356	106.0	32 560	10 454	
18 490	-1 490c	89.06	-7.57	36.55	37.33	0.863	-0.0188	101.7	32 562	11 459	max
19 495	-1 495c	87.05	-5.68	36.18	36.62	0.8828	-0.0136	98.9	32 563	12 461	
19 500	-1 499c	87.05	-5.68	36.18	36.62	0.8828	-0.0136	98.9	32 563	12 461	
22 510	-1 510c	79.1	1.43	33.55	33.58	0.9662	-0.0051	87.5	33 566	13 466	
23 520	-1 519c	75.81	4.11	32.27	32.53	1.0024	-0.0036	82.7	33 568	13 468	Ym
26 530	-1 530c	64.17	12.31	27.48	30.11	1.14	-0.001	65.8	34 573	14 472	
27 540	-1 539c	59.9	14.81	25.68	29.65	1.1955	-0.0005	60.0	35 576	14 473	
28 545	-1 544c	55.54	17.09	23.83	29.32	1.2559	-0.0002	54.3	35 578	14 474	
29 550	-1 549c	51.12	19.09	21.94	29.08	1.3215	-0.0001	48.9	36 580	15 475	
31 555	-1 555c	42.37	21.98	18.19	28.53	1.4668	0.0	39.6	37 586	15 476	
32 560	10 451	40.04	32.52	-6.18	33.11	1.7605	-0.5839	349.2	-1 492c	18 492	
31 556	0 405	43.42	21.89	18.32	28.54	1.4522	-0.0074	39.9	37 585	15 476	Rm
31 557	6 435	42.57	26.44	8.79	27.86	1.5691	-0.2226	18.4	44 621	16 480	
31 559	10 450	42.46	32.48	-6.09	33.05	1.713	-0.5727	349.3	-1 491c	18 491	
32 562	11 460	40.72	33.9	-10.52	35.5	1.7806	-0.6878	342.7	-1 498c	19 498	
33 565	12 465	39.07	34.93	-14.56	37.84	1.8419	-0.8019	337.3	-1 506c	21 506	
34 570	14 470	36.92	35.18	-20.67	40.8	1.901	-0.9892	329.5	-1 522c	24 522	
35 579	15 475	31.35	33.55	-24.85	41.75	2.0184	-1.2221	323.4	-1 533c	26 533	Mm
41 606	16 480	18.05	23.65	-31.88	39.7	2.2587	-2.1959	306.5	-1 550c	30 550	
-1 484c	16 485	7.69	10.45	-36.33	37.8	2.306	-5.1484	286.0	10 454	32 560	
-1 490c	18 490	10.93	7.57	-36.55	37.33	1.6407	-3.7725	281.7	11 459	32 562	min
-1 495c	19 495	12.94	5.68	-36.18	36.62	1.3873	-3.2239	278.9	12 461	32 563	
-1 499c	19 500	12.94	5.68	-36.18	36.62	1.3873	-3.2239	278.9	12 461	32 563	
-1 510c	22 510	20.89	-1.43	-33.55	33.58	0.8795	-2.035	267.5	13 466	33 566	
-1 519c	23 520	24.18	-4.12	-32.27	32.53	0.7777	-1.7639	262.7	13 468	33 568	Bm
-1 530c	26 530	35.82	-12.31	-27.48	30.11	0.6044	-1.1965	245.8	14 472	34 573	
-1 539c	27 540	40.09	-14.81	-25.68	29.65	0.5785	-1.0699	240.0	14 473	35 576	
-1 544c	28 545	44.45	-17.09	-23.83	29.32	0.5635	-0.9653	234.3	14 474	35 578	
-1 549c	29 550	48.87	-19.09	-21.94	29.08	0.5575	-0.8782	228.9	15 475	36 580	
-1 555c	31 555	57.62	-21.98	-18.19	28.53	0.5667	-0.745	219.6	15 476	37 586	
10 451	32 560	59.95	-32.52	6.18	33.11	0.4056	-0.3261	169.2	18 492	-1 492c	
380	770	100.0	0.0	0.0	0.01	0.9481	-0.4293	0.0			

TUB-test chart CE34; 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, $Y_{w,10}=100$



TUB registration: 20170801-CE34/CE34L0NP.PDF /PS
application for measurement of offset print output

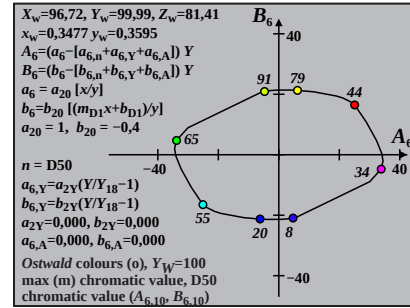
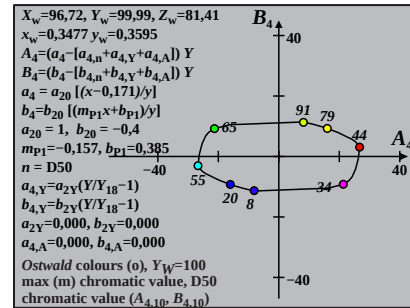
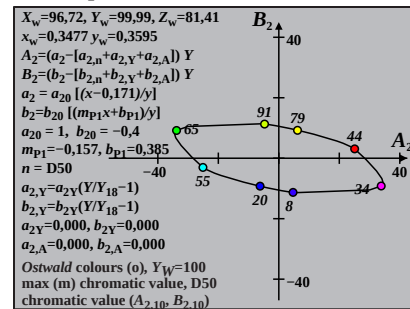
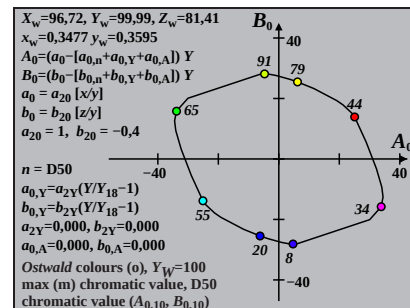
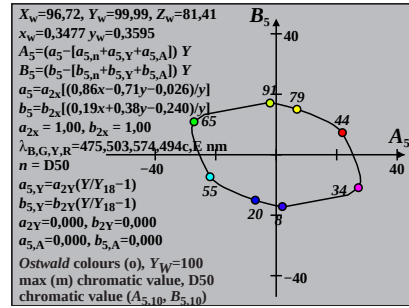
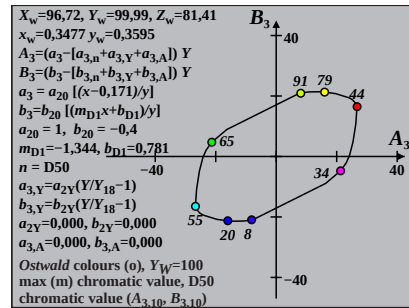
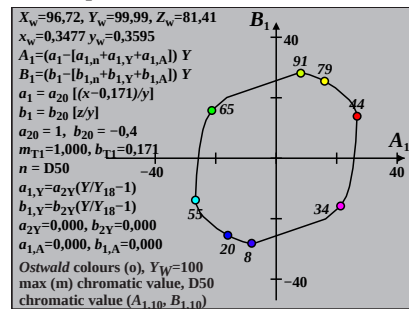
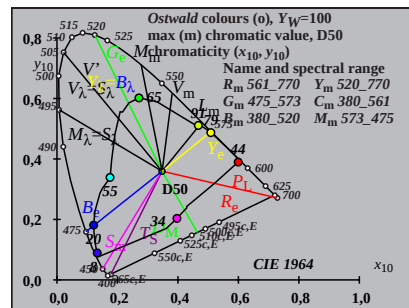
TUB material: code=rha4ta

see similar files: <http://farbe.li.tu-berlin.de/CE34/CE34.HTM>
technical information: <http://farbe.li.tu-berlin.de> or <http://130.149.60.45/~farbmeterik>

Ostwald optimal colours (o) of maximum (m) CAB_{10} for D50, $Y_{w,10}=100$, $Y_m=520_770$

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
1 405	31 559	55.95	-25.08	-13.86	28.66	0.5189	-0.5733	208.9	15 479	37 589	Cm
7 435	32 561	56.42	-28.9	-5.53	29.42	0.455	-0.4238	190.8	16 484	58 693	
10 450	32 562	56.65	-32.28	3.24	32.45	0.3973	-0.2684	174.2	18 493	-1 493c	
12 460	32 564	57.41	-33.95	8.98	35.12	0.3757	-0.1691	165.1	20 503	-1 503c	
13 465	33 566	58.48	-34.34	11.63	36.25	0.38	-0.1267	161.2	22 512	-1 512c	
14 470	34 570	60.63	-34.33	14.23	37.16	0.401	-0.0909	157.4	24 521	-1 521c	
15 475	35 576	64.51	-33.34	16.97	37.41	0.4504	-0.0624	153.0	26 531	-1 531c	Gm
16 480	38 590	72.88	-29.2	20.81	35.86	0.5665	-0.04	144.5	28 543	-1 543c	
17 485	-1 485c	92.6	-6.09	28.04	28.69	0.9014	-0.0228	102.2	32 563	11 458	
18 490	-1 490c	91.1	-4.69	28.13	28.52	0.9157	-0.0168	99.4	32 564	12 460	max
19 495	-1 495c	89.32	-2.98	27.98	28.14	0.9338	-0.0123	96.0	33 565	12 462	
20 500	-1 500c	87.23	-1.0	27.62	27.64	0.9556	-0.0089	92.0	33 566	12 464	
21 510	-1 509c	84.82	1.2	27.07	27.09	0.9814	-0.0065	87.4	33 567	13 466	
24 520	-1 520c	75.59	8.88	24.43	26.0	1.0847	-0.0023	70.0	34 571	14 471	Ym
25 530	-1 529c	71.83	11.6	23.28	26.01	1.1288	-0.0015	63.4	34 573	14 473	
28 540	-1 540c	59.32	19.15	19.3	27.19	1.29	-0.0002	45.2	35 579	15 476	
29 545	-1 545c	54.91	21.22	17.87	27.75	1.3537	-0.0001	40.1	36 581	15 477	
29 550	-1 549c	54.91	21.22	17.87	27.75	1.3537	-0.0001	40.1	36 581	15 477	
31 555	-1 555c	46.06	24.31	15.0	28.56	1.4949	0.0	31.6	37 587	15 479	
32 560	2 411	41.79	25.61	12.8	28.63	1.5801	-0.0192	26.5	38 591	16 480	
31 559	1 405	44.04	25.08	13.86	28.66	1.5368	-0.0108	28.9	37 589	15 479	Rm
32 561	7 435	43.57	28.9	5.53	29.42	1.6305	-0.1985	10.8	58 693	16 484	
32 562	10 450	43.34	32.28	-3.24	32.45	1.7121	-0.4004	354.2	-1 493c	18 493	
32 564	12 460	42.58	33.95	-8.98	35.12	1.7646	-0.5366	345.1	-1 503c	20 503	
33 566	13 465	41.51	34.34	-11.63	36.25	1.7943	-0.6057	341.2	-1 512c	22 512	
34 570	14 470	39.36	34.33	-14.23	37.16	1.8394	-0.6871	337.4	-1 521c	24 521	
35 576	15 475	35.48	33.34	-16.97	37.41	1.9067	-0.804	333.0	-1 531c	26 531	Mm
38 590	16 480	27.11	29.2	-20.81	35.86	2.0441	-1.0932	324.5	-1 543c	28 543	
-1 485c	17 485	7.39	6.09	-28.04	28.69	1.7911	-4.1155	282.2	11 458	32 563	
-1 490c	18 490	8.89	4.69	-28.13	28.52	1.4945	-3.4884	279.4	12 460	32 564	min
-1 495c	19 495	10.67	2.98	-27.98	28.14	1.247	-2.9472	276.0	12 462	33 565	
-1 500c	20 500	12.76	1.0	-27.62	27.64	1.0462	-2.49	272.0	12 464	33 566	
-1 509c	21 510	15.17	-1.2	-27.07	27.09	0.8876	-2.1102	267.4	13 466	33 567	
-1 520c	24 520	24.4	-8.88	-24.43	26.0	0.6033	-1.3269	250.0	14 471	34 571	Bm
-1 529c	25 530	28.16	-11.6	-23.28	26.01	0.555	-1.1521	243.4	14 473	34 573	
-1 540c	28 540	40.67	-19.15	-19.3	27.19	0.4963	-0.8002	225.2	15 476	35 579	
-1 545c	29 545	45.08	-21.22	-17.87	27.75	0.4964	-0.7221	220.1	15 477	36 581	
-1 549c	29 550	45.08	-21.22	-17.87	27.75	0.4964	-0.7221	220.1	15 477	36 581	
-1 555c	31 555	53.93	-24.31	-15.0	28.56	0.5164	-0.6038	211.6	15 479	37 587	
2 411	32 560	58.2	-25.61	-12.8	28.63	0.5271	-0.5456	206.5	16 480	38 591	
380	770	99.99	0.0	0.0	0.01	0.9672	-0.3256	0.0			

TUB-test chart CE34; 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, $Y_{w,10}=100$



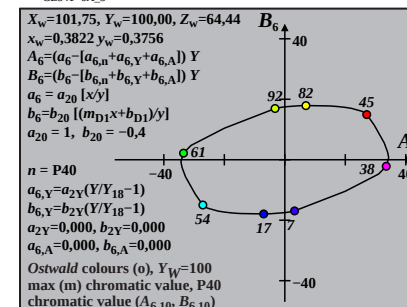
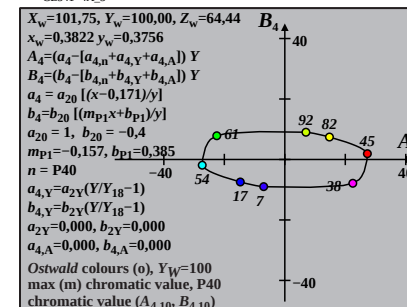
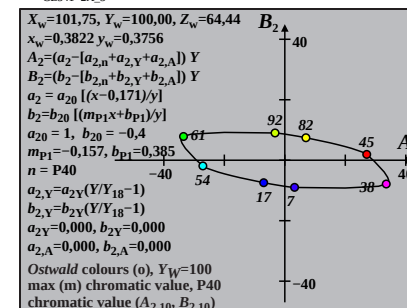
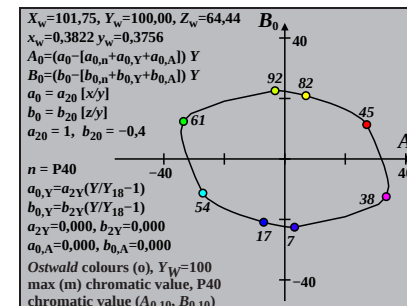
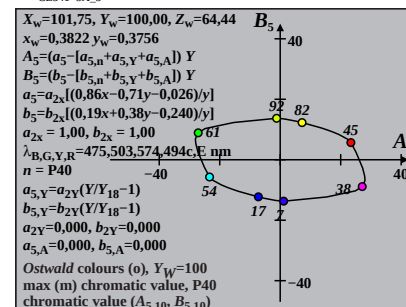
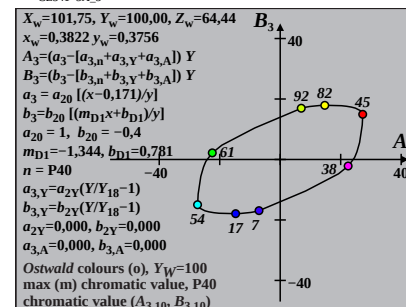
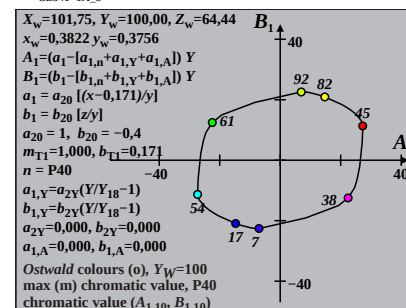
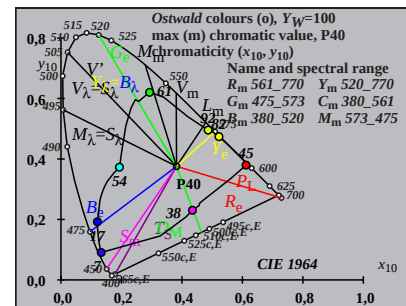
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application for measurement of offset print output

TUB material: code=rha4ta

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			

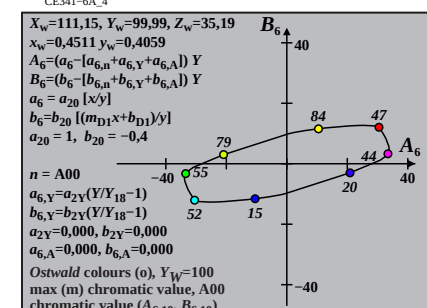
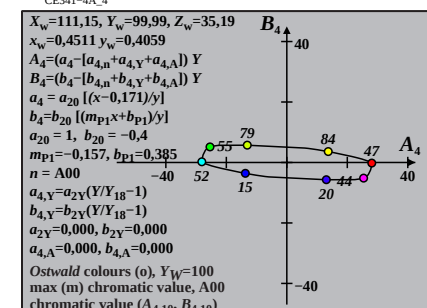
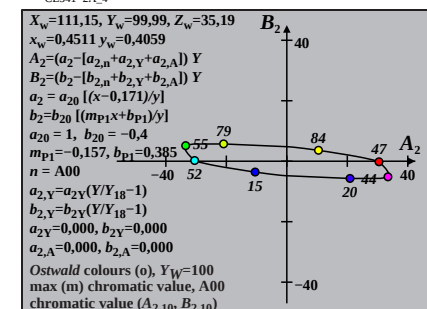
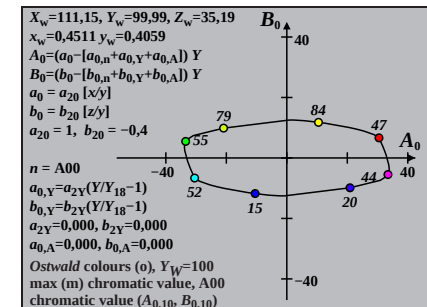
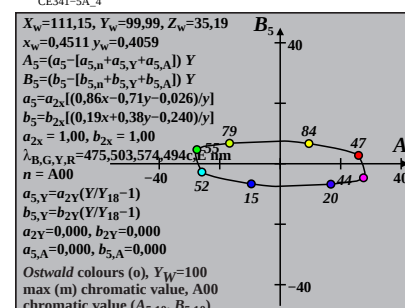
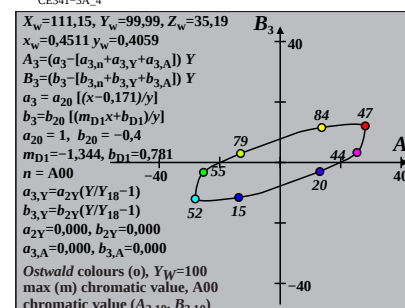
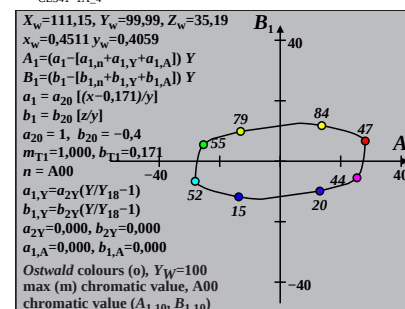
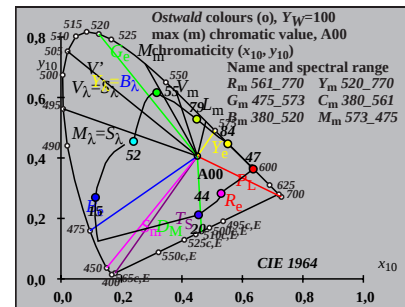
TUB-test chart CE34; CIE (x_{10}, y_{10}) and chromatic values ($A_{i,10}, B_{i,10}$) input: w/rgb/cmyk -> rgb
Ostwald optimal colours for illuminant P40; diagram for illuminant P40, $Y_{w,10}=100$



Ostwald optimal colours (o) of maximum (m) $C_{AB,10}$ for A00, $Y_{w,10}=100$, $Y_m=520_770$

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	34 570	52.26	-30.52	-6.57	31.22	0.5273	-0.2665	192.1	17 487	39 597	Cm
7 435	34 570	52.46	-31.93	-3.37	32.11	0.5027	-0.2051	186.0	18 491	47 639	
9 450	34 571	52.77	-32.78	-1.15	32.8	0.4903	-0.1627	182.0	19 495	-1 495c	
12 460	34 572	52.99	-33.72	2.34	33.8	0.4751	-0.0964	176.0	21 505	-1 505c	
13 465	34 573	53.47	-33.84	3.46	34.02	0.4785	-0.076	174.1	22 512	-1 512c	
14 470	34 574	54.4	-33.82	4.5	34.12	0.4898	-0.058	172.4	24 520	-1 520c	
15 475	35 576	55.98	-33.44	5.46	33.88	0.5141	-0.0432	170.7	25 528	-1 528c	Gm
16 480	36 581	59.09	-32.57	6.48	33.21	0.5602	-0.031	168.7	27 537	-1 537c	
17 485	37 588	64.82	-30.16	7.74	31.14	0.6461	-0.0213	165.6	29 547	-1 547c	
18 490	41 609	78.98	-19.9	10.08	22.31	0.8594	-0.0131	153.1	32 561	-1 561c	max
19 495	-1 495c	94.47	0.7	12.53	12.55	1.1189	-0.0081	86.7	34 573	13 465	
20 500	-1 500c	93.13	2.17	12.54	12.73	1.1348	-0.006	80.1	34 573	13 468	
21 510	-1 509c	91.52	3.88	12.47	13.06	1.154	-0.0045	72.6	34 574	14 470	
24 520	-1 520c	84.75	10.47	11.79	15.77	1.235	-0.0016	48.3	35 577	15 476	Ym
25 530	-1 529c	81.86	12.99	11.43	17.3	1.2701	-0.0011	41.3	35 578	15 477	
27 540	-1 539c	75.17	18.19	10.55	21.03	1.3535	-0.0004	30.1	36 581	16 480	
29 545	-1 545c	67.47	23.18	9.49	25.05	1.4551	0.0	22.2	37 585	16 483	
30 550	-1 550c	63.33	25.4	8.91	26.92	1.5126	0.0	19.3	37 587	16 484	
31 555	-1 555c	59.02	27.33	8.31	28.57	1.5746	0.0	16.9	37 589	17 485	
32 560	-1 560c	54.59	28.9	7.68	29.9	1.6408	0.0	14.8	38 592	17 486	
34 570	1 405	47.73	30.52	6.57	31.22	1.751	-0.0031	12.1	39 597	17 487	Rm
34 570	7 435	47.53	31.93	3.37	32.11	1.7834	-0.0697	6.0	47 639	18 491	
34 571	9 450	47.22	32.78	1.15	32.8	1.8057	-0.1163	2.0	-1 495c	19 495	
34 572	12 460	47.0	33.72	-2.34	33.8	1.8291	-0.1907	356.0	-1 505c	21 505	
34 573	13 465	46.52	33.84	-3.46	34.02	1.839	-0.2152	354.1	-1 512c	22 512	
34 574	14 470	45.59	33.82	-4.5	34.12	1.8533	-0.2395	352.4	-1 520c	24 520	
35 576	15 475	44.01	33.44	-5.46	33.88	1.8713	-0.2649	350.7	-1 528c	25 528	Mm
36 581	16 480	40.9	32.57	-6.48	33.21	1.9078	-0.2993	348.7	-1 537c	27 537	
37 588	17 485	35.17	30.16	-7.74	31.14	1.9692	-0.361	345.6	-1 547c	29 547	
41 609	18 490	21.01	19.9	-10.08	22.31	2.0586	-0.6206	333.1	-1 561c	32 561	min
-1 495c	19 495	5.52	-0.7	-12.53	12.55	0.9836	-2.4099	266.7	13 465	34 573	
-1 500c	20 500	6.86	-2.17	-12.54	12.73	0.7953	-1.9687	260.1	13 468	34 573	
-1 509c	21 510	8.47	-3.88	-12.47	13.06	0.6527	-1.6117	252.6	14 470	34 574	
-1 520c	24 520	15.24	-10.47	-11.79	15.77	0.4243	-0.9143	228.3	15 476	35 577	Bm
-1 529c	25 530	18.13	-12.99	-11.43	17.3	0.3952	-0.7712	221.3	15 477	35 578	
-1 539c	27 540	24.82	-18.19	-10.55	21.03	0.3784	-0.5659	210.1	16 480	36 581	
-1 545c	29 545	32.52	-23.18	-9.49	25.05	0.3985	-0.4327	202.2	16 483	37 585	
-1 550c	30 550	36.66	-25.4	-8.91	26.92	0.4186	-0.3839	199.3	16 484	37 587	
-1 555c	31 555	40.97	-27.33	-8.31	28.57	0.4442	-0.3436	196.9	17 485	37 589	
-1 560c	32 560	45.4	-28.9	-7.68	29.9	0.4748	-0.3101	194.8	17 486	38 592	
380	770	99.99	0.0	0.0	0.01	1.1115	-0.1407	0.0			

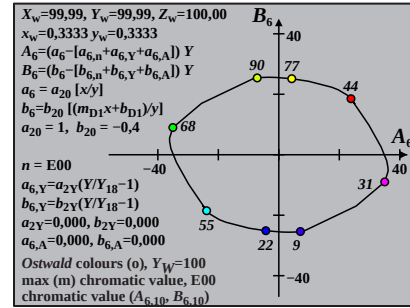
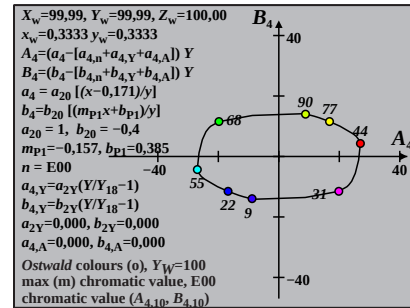
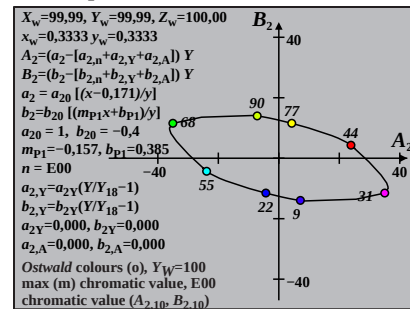
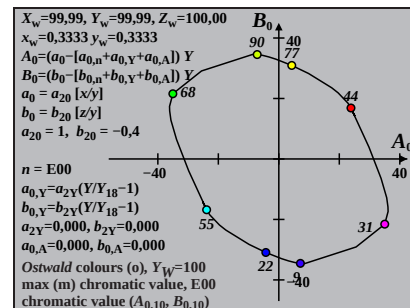
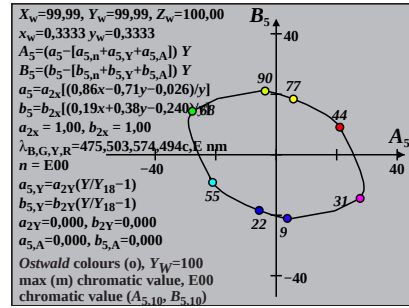
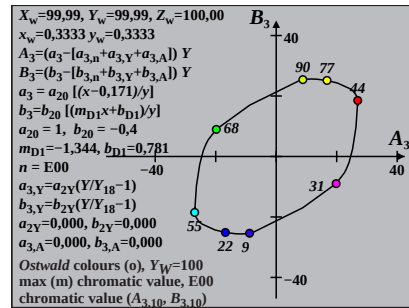
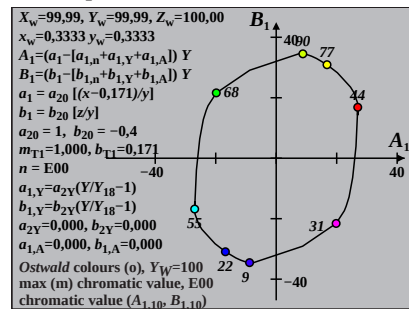
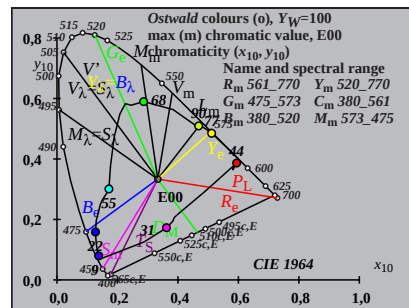
TUB-test chart CE34; CIE (x_{10}, y_{10}) and chromatic values ($A_{i,10}, B_{i,10}$) input: w/rgb/cmyk -> rgb
Ostwald optimal colours for illuminant A00; diagram for illuminant A00, $Y_{w,10}=100$



Ostwald optimal colours (o) of maximum (m) $C_{AB,10}$ for E00, $Y_{w,10}=100$, $Y_m=520_770$

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	31 559	55.67	-23.85	-16.83	29.19	0.5714	-0.7023	215.2	15 477	37 589	Cm
7 435	32 561	56.07	-29.8	-3.91	30.06	0.4683	-0.4698	187.4	16 484	-1 484c	
10 450	32 562	56.42	-33.81	6.43	34.42	0.4005	-0.2859	169.2	18 493	-1 493c	
12 460	33 565	57.5	-35.67	12.82	37.91	0.3794	-0.177	160.2	21 506	-1 506c	
13 465	33 568	58.96	-36.09	15.87	39.42	0.3878	-0.1308	156.2	23 515	-1 515c	
13 470	34 572	62.72	-36.13	17.37	40.09	0.4237	-0.123	154.3	24 520	-1 520c	
14 475	36 581	68.2	-35.02	21.58	41.14	0.4863	-0.0836	148.3	26 532	-1 532c	Gm
16 480	40 604	80.28	-25.55	29.1	38.73	0.6815	-0.0374	131.2	30 551	-1 551c	
17 485	-1 485c	91.81	-8.69	34.56	35.64	0.9052	-0.0235	104.1	32 564	11 456	
18 490	-1 490c	90.24	-7.16	34.54	35.28	0.9204	-0.0171	101.7	32 564	11 458	max
19 495	-1 495c	88.4	-5.35	34.26	34.67	0.9393	-0.0124	98.8	33 565	12 460	
20 500	-1 500c	86.28	-3.26	33.73	33.89	0.962	-0.009	95.5	33 566	12 462	
22 510	-1 510c	81.07	1.59	32.05	32.09	1.0195	-0.0047	87.1	33 569	13 466	
23 520	-1 519c	77.97	4.29	30.93	31.22	1.0549	-0.0033	82.1	34 570	13 468	Ym
25 530	-1 529c	70.93	9.82	28.26	29.92	1.1384	-0.0015	70.8	34 573	14 470	
27 540	-1 539c	63.03	15.1	25.18	29.36	1.2395	-0.0005	59.0	35 577	14 473	
29 545	-1 545c	54.64	19.62	21.85	29.37	1.359	0.0	48.0	36 582	15 475	
29 550	-1 549c	54.64	19.62	21.85	29.37	1.359	0.0	48.0	36 582	15 475	
31 555	-1 555c	46.09	22.87	18.44	29.38	1.4962	0.0	38.8	37 587	15 476	
32 560	3 415	41.99	25.16	14.2	28.89	1.5991	-0.0619	29.4	39 595	15 478	
31 559	1 405	44.32	23.85	16.83	29.19	1.5381	-0.0202	35.2	37 589	15 477	Rm
32 561	7 435	43.92	29.8	3.91	30.06	1.6786	-0.3109	7.4	-1 484c	16 484	
32 562	10 450	43.57	33.81	-6.43	34.42	1.7759	-0.5476	349.2	-1 493c	18 493	
33 565	12 460	42.49	35.67	-12.82	37.91	1.8394	-0.7017	340.2	-1 506c	21 506	
33 568	13 465	41.03	36.09	-15.87	39.42	1.8794	-0.7868	336.2	-1 515c	23 515	
34 572	13 470	37.27	36.13	-17.37	40.09	1.9694	-0.8661	334.3	-1 520c	24 520	
36 581	14 475	31.79	35.02	-21.57	41.14	2.1016	-1.0788	328.3	-1 532c	26 532	Mm
40 604	16 480	19.71	25.55	-29.1	38.73	2.2961	-1.8762	311.2	-1 551c	30 551	
-1 485c	17 485	8.18	8.69	-34.56	35.64	2.0622	-4.6232	284.1	11 456	32 564	
-1 490c	18 490	9.75	7.16	-34.54	35.28	1.7342	-3.9405	281.7	11 458	32 564	min
-1 495c	19 495	11.59	5.35	-34.26	34.67	1.4614	-3.3554	278.8	12 460	33 565	
-1 500c	20 500	13.71	3.26	-33.73	33.89	1.2379	-2.8589	275.5	12 462	33 566	
-1 510c	22 510	18.92	-1.59	-32.05	32.08	0.9156	-2.0933	267.1	13 466	33 569	
-1 519c	23 520	22.02	-4.29	-30.93	31.22	0.805	-1.8041	262.1	13 468	34 570	Bm
-1 529c	25 530	29.06	-9.82	-28.26	29.92	0.6618	-1.3726	250.8	14 470	34 573	
-1 539c	27 540	36.96	-15.1	-25.18	29.36	0.5912	-1.0813	239.0	14 473	35 577	
-1 545c	29 545	45.35	-19.62	-21.85	29.37	0.5673	-0.8818	228.0	15 475	36 582	
-1 549c	29 550	45.35	-19.62	-21.85	29.37	0.5673	-0.8818	228.0	15 475	36 582	
-1 555c	31 555	53.9	-22.87	-18.44	29.38	0.5754	-0.7421	218.8	15 476	37 587	
3 415	32 560	58.0	-25.16	-14.2	28.89	0.5659	-0.6448	209.4	15 478	39 595	
380	770	99.99	0.0	0.0	0.01	0.9999	-0.4	0.0			

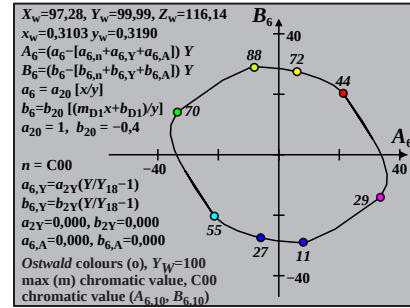
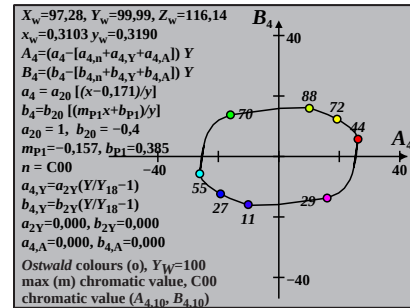
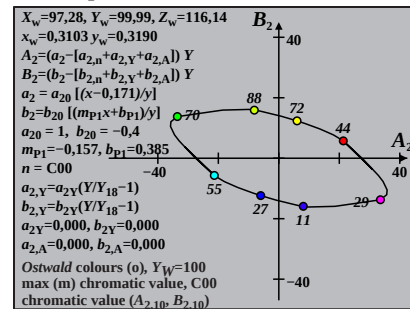
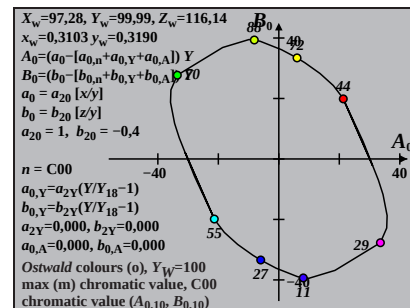
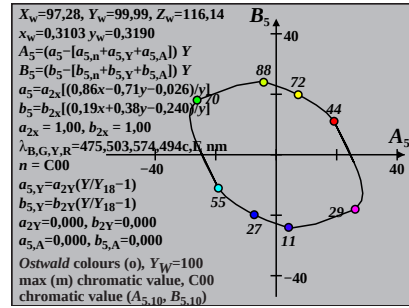
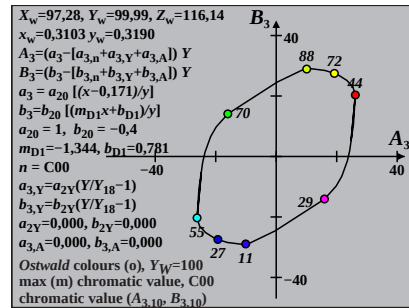
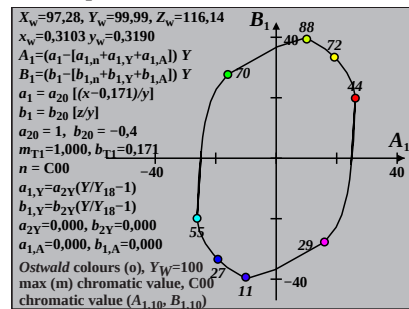
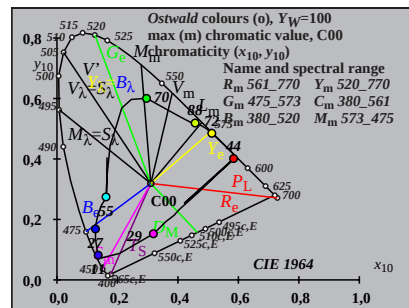
TUB-test chart CE34; CIE (x_{10}, y_{10}) and chromatic values ($A_{i,10}, B_{i,10}$) input: w/rgb/cmyk -> rgb
Ostwald optimal colours for illuminant E00; diagram for illuminant E00, $Y_{w,10}=100$



Ostwald optimal colours (o) of maximum (m) $C_{AB,10}$ for C00, $Y_{w,10}=100$, $Y_m=520_770$

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	31 556	55.88	-21.31	-19.85	29.12	0.5914	-0.8198	222.9	15 475	37 586	Cm
6 435	31 558	56.84	-26.27	-9.43	27.91	0.5106	-0.6304	199.7	16 480	44 623	
9 450	32 560	57.53	-31.55	3.12	31.7	0.4244	-0.4102	174.3	17 487	-1 487c	
12 460	32 563	58.32	-35.2	14.89	38.22	0.3692	-0.2092	157.0	20 504	-1 504c	
12 465	33 566	60.99	-35.5	16.13	38.99	0.3908	-0.2001	155.5	21 507	-1 507c	
13 470	34 572	64.68	-35.85	20.86	41.48	0.4185	-0.1419	149.8	24 520	-1 520c	
14 475	36 582	71.25	-34.22	26.39	43.21	0.4925	-0.0941	142.3	26 533	-1 533c	Gm
16 480	44 622	86.65	-18.57	36.86	41.27	0.7584	-0.0391	116.7	31 556	0 403	
17 485	-1 485c	90.11	-9.86	39.49	40.7	0.8633	-0.0263	104.0	32 562	11 456	
18 490	-1 490c	88.26	-8.11	39.35	40.18	0.8809	-0.0186	101.6	32 563	11 459	max
19 495	-1 495c	86.17	-6.11	38.9	39.37	0.9019	-0.0131	98.9	32 564	12 461	
20 500	-1 500c	83.86	-3.9	38.18	38.38	0.9262	-0.0093	95.8	33 565	12 463	
22 510	-1 510c	78.57	0.89	36.13	36.14	0.9842	-0.0047	88.5	33 567	13 466	
24 520	-1 520c	72.29	6.0	33.41	33.95	1.0559	-0.0023	79.8	34 570	13 468	Ym
26 530	-1 530c	64.98	11.13	30.12	32.11	1.1441	-0.0009	69.7	34 574	14 471	
28 540	-1 540c	56.66	15.93	26.31	30.76	1.2541	-0.0002	58.7	35 578	14 473	
28 545	-1 544c	56.66	15.93	26.31	30.76	1.2541	-0.0002	58.7	35 578	14 473	
29 550	-1 549c	52.27	18.02	24.28	30.24	1.3177	-0.0001	53.4	36 580	14 474	
31 555	-1 555c	43.32	21.19	20.12	29.23	1.462	0.0	43.5	37 585	15 475	
31 560	9 447	45.07	31.01	-2.23	31.09	1.6609	-0.5141	355.8	-1 487c	17 487	
31 556	1 405	44.11	21.31	19.85	29.12	1.4559	-0.0145	42.9	37 586	15 475	Rm
31 558	6 435	43.15	26.27	9.43	27.91	1.5816	-0.246	19.7	44 623	16 480	
32 560	9 450	42.46	31.55	-3.12	31.7	1.7158	-0.5382	354.3	-1 487c	17 487	
32 563	12 460	41.67	35.2	-14.89	38.22	1.8176	-0.8219	337.0	-1 504c	20 504	
33 566	12 465	39.0	35.5	-16.13	38.99	1.883	-0.8782	335.5	-1 507c	21 507	
34 572	13 470	35.31	35.85	-20.86	41.48	1.9881	-1.0554	329.8	-1 520c	24 520	
36 582	14 475	28.74	34.22	-26.39	43.21	2.1633	-1.3826	322.3	-1 533c	26 533	Mm
44 622	16 480	13.34	18.57	-36.86	41.27	2.3643	-3.2256	296.7	0 403	31 556	
-1 485c	17 485	9.88	9.86	-39.49	40.7	1.971	-4.4603	284.0	11 456	32 562	
-1 490c	18 490	11.73	8.11	-39.35	40.18	1.6642	-3.8176	281.6	11 459	32 563	min
-1 495c	19 495	13.82	6.11	-38.9	39.37	1.415	-3.2791	278.9	12 461	32 564	
-1 500c	20 500	16.13	3.9	-38.18	38.38	1.2152	-2.8316	275.8	12 463	33 565	
-1 510c	22 510	21.42	-0.89	-36.13	36.14	0.9312	-2.1511	268.5	13 466	33 567	
-1 520c	24 520	27.7	-6.0	-33.41	33.95	0.7559	-1.6709	259.8	13 468	34 570	Bm
-1 530c	26 530	35.01	-11.13	-30.12	32.11	0.6549	-1.325	249.7	14 471	34 574	
-1 540c	28 540	43.33	-15.93	-26.31	30.76	0.6049	-1.0718	238.7	14 473	35 578	
-1 544c	28 545	43.33	-15.93	-26.31	30.76	0.6049	-1.0718	238.7	14 473	35 578	
-1 549c	29 550	47.72	-18.02	-24.28	30.24	0.595	-0.9733	233.4	14 474	36 580	
-1 555c	31 555	56.67	-21.19	-20.12	29.23	0.5988	-0.8197	223.5	15 475	37 585	
9 447	31 560	54.92	-31.01	2.23	31.09	0.4081	-0.4238	175.8	17 487	-1 487c	
380	770	99.99	0.0	0.0	0.01	0.9728	-0.4645	0.0			

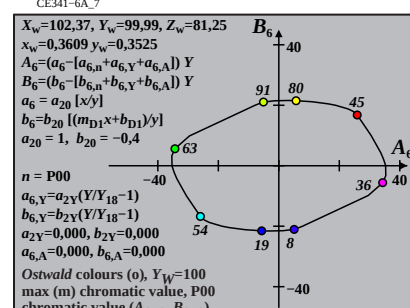
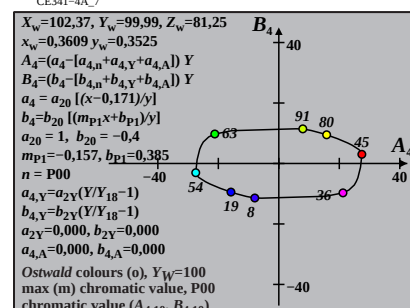
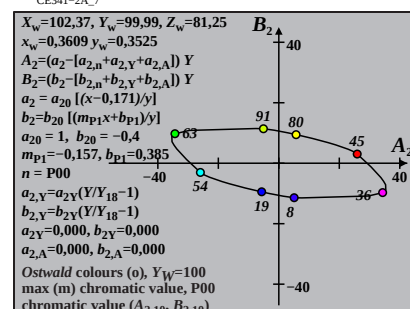
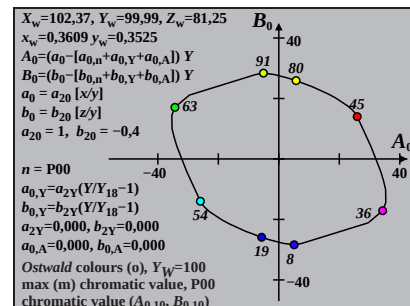
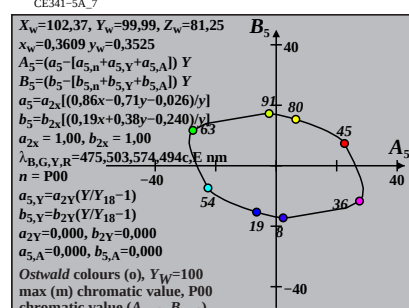
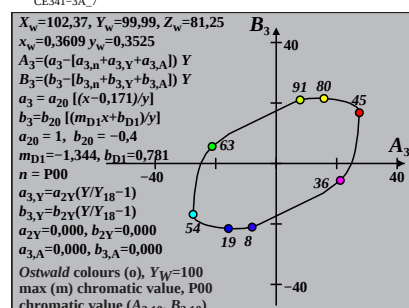
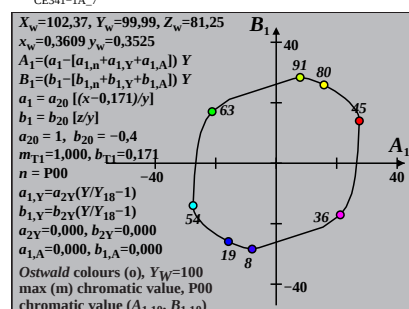
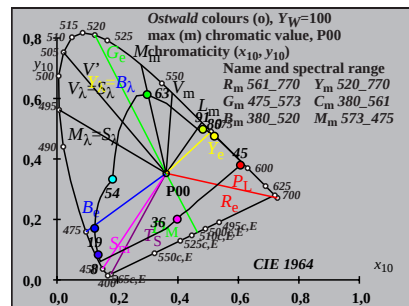
TUB-test chart CE34; CIE (x_{10}, y_{10}) and chromatic values ($A_{i,10}, B_{i,10}$) input: w/rgb/cmyk -> rgb
Ostwald optimal colours for illuminant C00; diagram for illuminant C00, $Y_{w,10}=100$



Ostwald optimal colours (o) of maximum (m) $C_{AB,10}$ for P00, $Y_{w,10}=100$, $Y_m=520_770$

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	32 562	54.9	-25.74	-14.37	29.48	0.5548	-0.5867	209.1	15 479	38 591	Cm
7 435	32 563	55.22	-30.5	-4.04	30.77	0.4712	-0.3982	187.5	17 485	-1 485c	
9 450	32 564	55.85	-32.85	1.67	32.89	0.4356	-0.295	177.0	18 491	-1 491c	
12 460	33 567	56.37	-35.12	9.49	36.39	0.4005	-0.1565	164.8	21 506	-1 506c	
13 465	33 569	57.54	-35.5	11.95	37.45	0.4067	-0.1172	161.3	22 514	-1 514c	
13 470	34 572	60.57	-35.53	12.93	37.81	0.437	-0.1114	159.9	23 518	-1 518c	
15 475	35 579	63.97	-34.37	17.08	38.38	0.4865	-0.0579	153.5	26 534	-1 534c	Gm
16 480	38 593	73.33	-29.56	21.12	36.33	0.6206	-0.0369	144.4	29 547	-1 547c	
17 485	-1 485c	93.1	-6.46	28.29	29.02	0.9543	-0.0211	102.8	33 566	11 457	
17 490	-1 489c	93.1	-6.46	28.29	29.02	0.9543	-0.0211	102.8	33 566	11 457	max
19 495	-1 495c	90.06	-3.4	28.25	28.45	0.9859	-0.0113	96.8	33 567	12 461	
19 500	-1 499c	90.06	-3.4	28.25	28.45	0.9859	-0.0113	96.8	33 567	12 461	
22 510	-1 510c	83.34	3.11	26.72	26.9	1.0611	-0.0043	83.3	34 570	13 467	Ym
23 520	-1 519c	80.45	5.69	25.9	26.52	1.0945	-0.003	77.5	34 572	13 469	
26 530	-1 530c	70.09	13.77	22.71	26.56	1.2202	-0.0008	58.7	35 577	14 473	
28 540	-1 540c	62.1	18.79	20.16	27.57	1.3264	-0.0002	47.0	36 580	15 475	
28 545	-1 544c	62.1	18.79	20.16	27.57	1.3264	-0.0002	47.0	36 580	15 475	
29 550	-1 549c	57.92	20.99	18.82	28.19	1.3862	0.0	41.8	36 583	15 476	
31 555	-1 555c	49.38	24.45	16.04	29.25	1.5189	0.0	33.2	37 587	15 478	
32 560	-1 560c	45.08	25.6	14.65	29.49	1.5916	0.0	29.7	38 590	15 479	
32 562	0 405	45.09	25.74	14.37	29.48	1.5946	-0.0063	29.1	38 591	15 479	Rm
32 563	7 435	44.77	30.5	4.04	30.77	1.705	-0.2347	7.5	-1 485c	17 485	
32 564	9 450	44.14	32.85	-1.67	32.89	1.7678	-0.3629	357.0	-1 491c	18 491	
33 567	12 460	43.62	35.12	-9.49	36.39	1.8289	-0.5427	344.8	-1 506c	21 506	
33 569	13 465	42.45	35.5	-11.95	37.45	1.8599	-0.6065	341.3	-1 514c	22 514	
34 572	13 470	39.42	35.53	-12.93	37.81	1.9249	-0.6531	339.9	-1 518c	23 518	
35 579	15 475	36.02	34.37	-17.08	38.38	1.9779	-0.7993	333.5	-1 534c	26 534	Mm
38 593	16 480	26.66	29.56	-21.12	36.33	2.1325	-1.1174	324.4	-1 547c	29 547	
-1 485c	17 485	6.89	6.46	-28.29	29.02	1.9612	-4.43	282.8	11 457	33 566	
-1 489c	17 490	6.89	6.46	-28.29	29.02	1.9612	-4.43	282.8	11 457	33 566	min
-1 495c	19 495	9.93	3.4	-28.25	28.45	1.3663	-3.1682	276.8	12 461	33 567	
-1 499c	19 500	9.93	3.4	-28.25	28.45	1.3663	-3.1682	276.8	12 461	33 567	
-1 510c	22 510	16.65	-3.11	-26.72	26.9	0.8366	-1.9299	263.3	13 467	34 570	
-1 519c	23 520	19.54	-5.69	-25.9	26.52	0.7321	-1.65	257.5	13 469	34 572	Bm
-1 530c	26 530	29.9	-13.77	-22.71	26.56	0.5632	-1.0846	238.7	14 473	35 577	
-1 540c	28 540	37.89	-18.8	-20.16	27.57	0.5276	-0.8572	227.0	15 475	36 580	
-1 544c	28 545	37.89	-18.8	-20.16	27.57	0.5276	-0.8572	227.0	15 475	36 580	
-1 549c	29 550	42.07	-20.99	-18.82	28.19	0.5246	-0.7723	221.8	15 476	36 583	
-1 555c	31 555	50.61	-24.45	-16.04	29.25	0.5406	-0.642	213.2	15 478	37 587	
-1 560c	32 560	54.91	-25.6	-14.65	29.49	0.5575	-0.5917	209.7	15 479	38 590	
380	770	99.99	0.0	0.0	0.01	1.0237	-0.325	0.0			

TUB-test chart CE34; 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, $Y_{w,10}=100$



Ostwald optimal colours (o) of maximum (m) $C_{AB,10}$ for Q00, $Y_{w,10}=100$, $Y_m=520_770$

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	31 556	56.3	-21.53	-19.55	29.09	0.594	-0.821	222.2	15 475	37 587	Cm
7 435	31 558	56.83	-28.93	-3.7	29.16	0.4674	-0.5388	187.2	16 482	-1 482c	
10 450	32 560	57.26	-33.83	8.65	34.92	0.3856	-0.3225	165.6	18 493	-1 493c	
12 460	32 563	58.56	-36.02	16.22	39.51	0.3613	-0.1966	155.7	21 506	-1 506c	
13 465	33 566	60.33	-36.6	19.9	41.66	0.3697	-0.1437	151.4	23 515	-1 515c	
13 470	34 572	64.84	-36.63	22.04	42.75	0.4115	-0.1337	148.9	24 520	-1 520c	
15 475	36 583	70.42	-34.31	28.75	44.76	0.4892	-0.0654	140.0	27 536	-1 536c	Gm
15 480	45 629	89.85	-18.5	37.95	42.22	0.7706	-0.0512	115.9	31 556	2 413	
17 485	-1 485c	90.54	-10.94	40.53	41.98	0.8556	-0.026	105.1	32 561	11 455	max
17 490	-1 489c	90.54	-10.94	40.53	41.98	0.8556	-0.026	105.1	32 561	11 455	
18 495	-1 494c	88.8	-9.29	40.38	41.44	0.8718	-0.0189	102.9	32 562	11 458	
19 500	-1 499c	86.78	-7.33	39.92	40.59	0.8919	-0.0136	100.4	32 563	12 460	
21 510	-1 509c	81.81	-2.65	38.17	38.26	0.944	-0.007	93.9	33 566	12 464	
24 520	-1 520c	71.94	5.64	33.9	34.36	1.0549	-0.0024	80.5	34 570	13 468	Ym
26 530	-1 530c	64.11	11.15	30.3	32.29	1.1505	-0.001	69.7	34 574	14 471	
27 540	-1 539c	59.95	13.72	28.36	31.51	1.2053	-0.0005	64.1	35 576	14 472	
29 545	-1 545c	51.41	18.12	24.34	30.35	1.3289	-0.0001	53.3	36 581	14 474	
30 550	-1 550c	47.12	19.83	22.32	29.86	1.3974	0.0	48.3	36 583	15 475	
30 555	-1 554c	47.12	19.83	22.32	29.86	1.3974	0.0	48.3	36 583	15 475	
31 560	9 447	44.71	31.96	-3.98	32.21	1.6912	-0.5628	352.8	-1 488c	17 488	
31 556	1 405	43.69	21.53	19.55	29.09	1.4694	-0.026	42.2	37 587	15 475	Rm
31 558	7 435	43.16	28.93	3.7	29.16	1.6467	-0.3879	7.2	-1 482c	16 482	
32 560	10 450	42.73	33.83	-8.65	34.92	1.7683	-0.6762	345.6	-1 493c	18 493	
32 563	12 460	41.43	36.02	-16.22	39.51	1.8458	-0.8653	335.7	-1 506c	21 506	
33 566	13 465	39.66	36.6	-19.9	41.66	1.8992	-0.9755	331.4	-1 515c	23 515	
34 572	13 470	35.15	36.63	-22.04	42.75	2.0184	-1.1008	328.9	-1 520c	24 520	
36 583	15 475	29.57	34.31	-28.75	44.76	2.1367	-1.446	320.0	-1 536c	27 536	Mm
45 629	15 480	10.14	18.49	-37.95	42.22	2.8002	-4.2157	295.9	2 413	31 556	
-1 485c	17 485	9.45	10.94	-40.52	41.98	2.1345	-4.7616	285.1	11 455	32 561	
-1 489c	17 490	9.45	10.94	-40.52	41.98	2.1345	-4.7616	285.1	11 455	32 561	min
-1 494c	18 495	11.19	9.29	-40.38	41.44	1.8061	-4.0798	282.9	11 458	32 562	
-1 499c	19 500	13.21	7.33	-39.92	40.58	1.5316	-3.4935	280.4	12 460	32 563	
-1 509c	21 510	18.18	2.65	-38.17	38.26	1.1226	-2.573	273.9	12 464	33 566	
-1 520c	24 520	28.05	-5.64	-33.9	34.36	0.7753	-1.682	260.5	13 468	34 570	Bm
-1 530c	26 530	35.88	-11.15	-30.3	32.29	0.6655	-1.3184	249.7	14 471	34 574	
-1 539c	27 540	40.04	-13.72	-28.36	31.51	0.6338	-1.182	244.1	14 472	35 576	
-1 545c	29 545	48.58	-18.12	-24.34	30.35	0.6035	-0.9748	233.3	14 474	36 581	
-1 550c	30 550	52.87	-19.83	-22.32	29.86	0.6012	-0.8959	228.3	15 475	36 583	
-1 554c	30 555	52.87	-19.83	-22.32	29.86	0.6012	-0.8959	228.3	15 475	36 583	
9 447	31 560	55.28	-31.96	3.98	32.21	0.3982	-0.4015	172.8	17 488	-1 488c	
380	770	100.0	0.0	0.0	0.01	0.9764	-0.4736	0.0			

TUB-test chart CE34; 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, $Y_{w,10}=100$

