

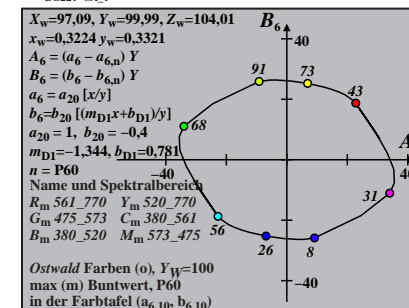
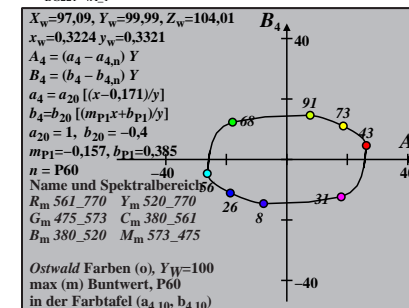
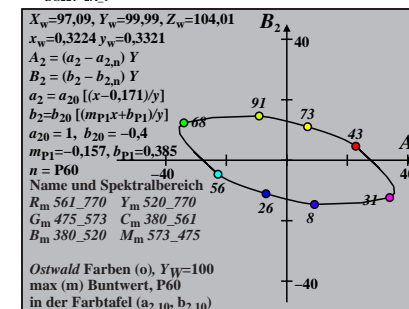
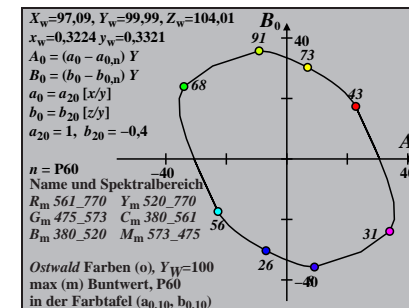
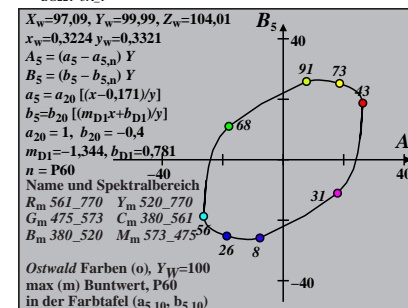
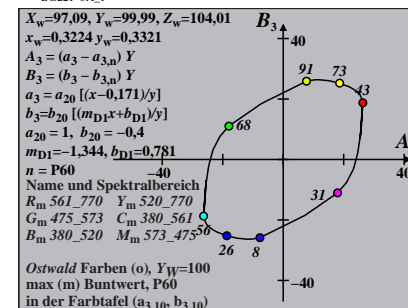
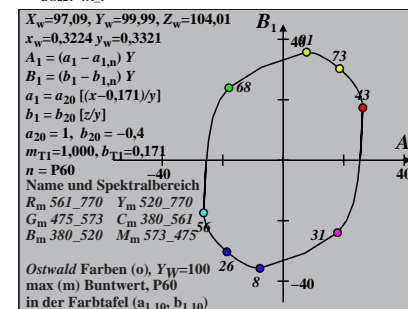
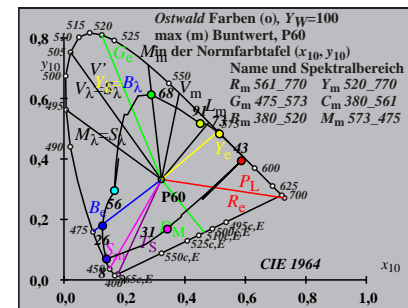
**Ostwald-Optimalfarben (o) von maximalem (m)  $C_{AB,10}$  für P60,  $Y_w=100$ ,  $Y_m=520\_770$**

$i_1, \lambda_1$	$i_2, \lambda_2$	$Y_{10}$	$A_{10}$	$B_{10}$	$C_{AB,10}$	$a_{10}$	$b_{10}$	$h_{AB,10}$	$\lambda_d$	$i_c, \lambda_c$	Code
1 405	31 557	56.06	-22.77	-17.39	28.65	0.5647	-0.7263	217.3	15 477	37 587	Cm
7 435	31 559	56.56	-28.95	-4.15	29.25	0.459	-0.4895	188.1	16 483	-1 483c	
9 450	32 561	57.37	-32.01	3.34	32.18	0.4129	-0.3577	174.0	17 489	-1 489c	
12 460	32 563	58.05	-35.14	13.39	37.61	0.3655	-0.1852	159.1	21 505	-1 505c	
13 465	33 566	59.57	-35.64	16.63	39.33	0.3725	-0.1368	154.9	22 514	-1 514c	
14 470	34 571	62.58	-35.56	20.01	40.8	0.4027	-0.0962	150.6	24 524	-1 524c	
14 475	36 580	69.18	-34.58	22.75	41.4	0.4709	-0.0871	146.6	26 531	-1 531c	Gm
15 480	41 605	82.76	-25.44	30.04	39.37	0.6635	-0.053	130.2	30 550	-1 550c	
16 485	-1 484c	92.83	-10.41	35.45	36.95	0.8587	-0.0341	106.3	32 561	10 453	
18 490	-1 490c	89.72	-7.57	35.7	36.49	0.8865	-0.0181	101.9	32 563	11 458	max
19 495	-1 495c	87.78	-5.71	35.36	35.82	0.9058	-0.0131	99.1	32 564	12 461	
20 500	-1 500c	85.54	-3.58	34.77	34.96	0.9291	-0.0095	95.8	33 565	12 463	
21 510	-1 509c	82.98	-1.2	33.95	33.97	0.9563	-0.0068	92.0	33 566	12 464	
24 520	-1 520c	73.29	6.88	30.31	31.09	1.0648	-0.0023	77.2	34 571	13 469	Ym
26 530	-1 530c	65.52	12.31	27.19	29.85	1.1589	-0.0009	65.6	34 574	14 472	
28 540	-1 540c	57.09	17.17	23.73	29.3	1.2718	-0.0002	54.1	35 578	14 474	
29 545	-1 545c	52.78	19.22	21.95	29.18	1.3351	-0.0001	48.7	36 581	15 475	
30 550	-1 550c	48.45	20.93	20.16	29.06	1.4029	0.0	43.9	36 583	15 476	
31 555	-1 555c	44.14	22.26	18.36	28.86	1.4754	0.0	39.5	37 586	15 476	
31 560	8 442	45.29	29.83	1.68	29.88	1.6295	-0.3787	3.2	-1 485c	17 485	
31 557	1 405	43.93	22.77	17.39	28.65	1.4893	-0.02	37.3	37 587	15 477	Rm
31 559	7 435	43.43	28.95	4.15	29.25	1.6375	-0.3204	8.1	-1 483c	16 483	
32 561	9 450	42.62	32.01	-3.34	32.18	1.7219	-0.4945	354.0	-1 489c	17 489	
32 563	12 460	41.94	35.14	-13.39	37.61	1.8087	-0.7354	339.1	-1 505c	21 505	
33 566	13 465	40.42	35.64	-16.63	39.33	1.8527	-0.8274	334.9	-1 514c	22 514	
34 571	14 470	37.41	35.56	-20.01	40.8	1.9215	-0.951	330.6	-1 524c	24 524	
36 580	14 475	30.81	34.58	-22.75	41.4	2.0932	-1.1545	326.6	-1 531c	26 531	Mm
41 605	15 480	17.23	25.44	-30.04	39.37	2.4477	-2.1598	310.2	-1 550c	30 550	
-1 484c	16 485	7.16	10.41	-35.45	36.95	2.4246	-5.3649	286.3	10 453	32 561	
-1 490c	18 490	10.27	7.57	-35.7	36.49	1.7082	-3.8917	281.9	11 458	32 563	min
-1 495c	19 495	12.21	5.71	-35.36	35.82	1.4388	-3.3127	279.1	12 461	32 564	
-1 500c	20 500	14.45	3.57	-34.77	34.96	1.2186	-2.8226	275.8	12 463	33 565	
-1 509c	21 510	17.01	1.2	-33.95	33.97	1.0419	-2.4114	272.0	12 464	33 566	
-1 520c	24 520	26.7	-6.88	-30.31	31.09	0.7132	-1.5512	257.2	13 469	34 571	Bm
-1 530c	26 530	34.47	-12.31	-27.19	29.85	0.6137	-1.2049	245.6	14 472	34 574	
-1 540c	28 540	42.9	-17.18	-23.73	29.3	0.5705	-0.9693	234.1	14 474	35 578	
-1 545c	29 545	47.21	-19.22	-21.95	29.18	0.5638	-0.881	228.7	15 475	36 581	
-1 550c	30 550	51.54	-20.93	-20.16	29.06	0.5647	-0.8071	223.9	15 476	36 583	
-1 555c	31 555	55.85	-22.26	-18.36	28.86	0.5722	-0.7448	219.5	15 476	37 586	
8 442	31 560	54.7	-29.83	-1.68	29.88	0.4255	-0.4469	183.2	17 485	-1 485c	
380	770	99.99	0.0	0.0	0.01	0.9709	-0.416	0.0			

0-001030-L0

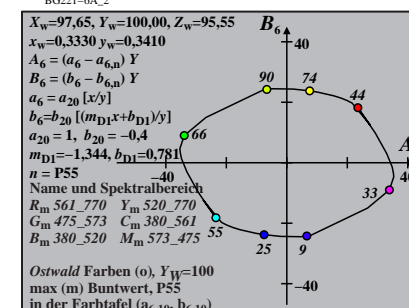
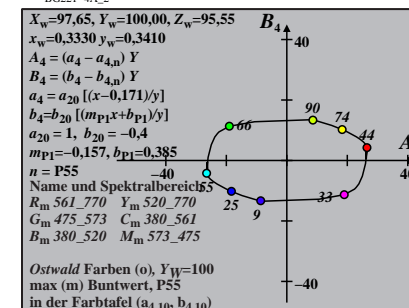
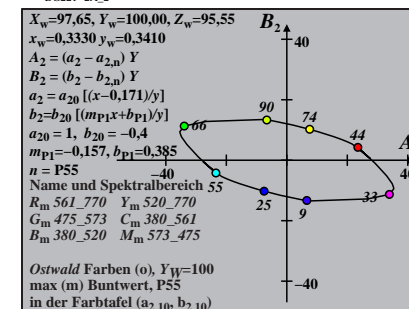
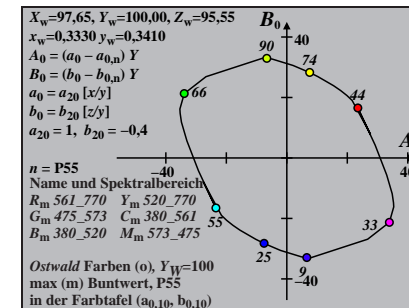
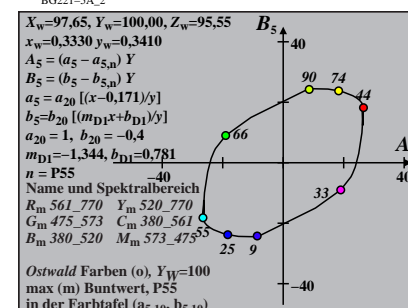
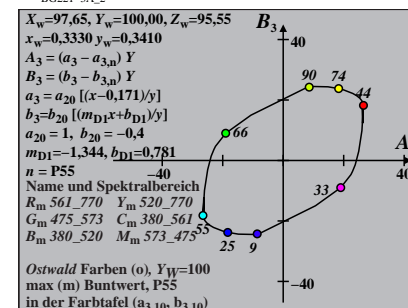
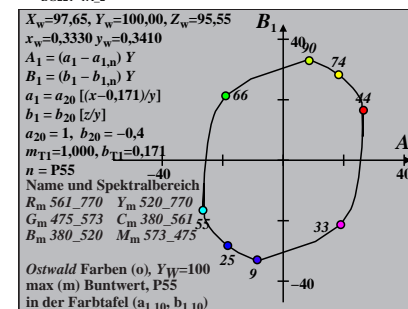
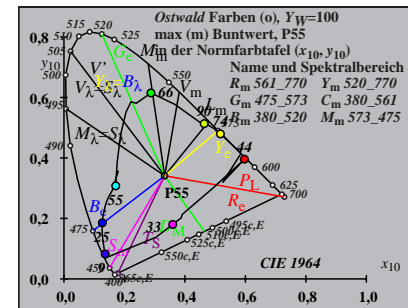
BG220-7N\_16

TUB-Prüfvorlage BG22; CIE ( $x_{10}, y_{10}$ ) und Buntwerte ( $A_{i,10}, B_{i,10}$ ) Eingabe: w/rgb/cmyk -> rgb  
Ostwald-Optimalfarben für Lichtart P60; Diagramm für Lichtart P60,  $Y_w=100$



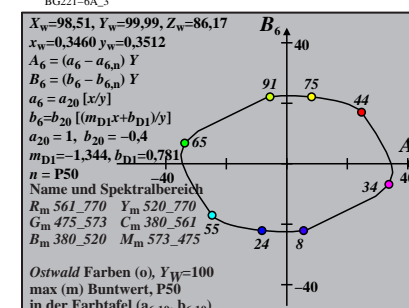
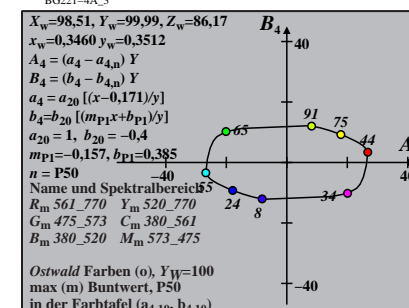
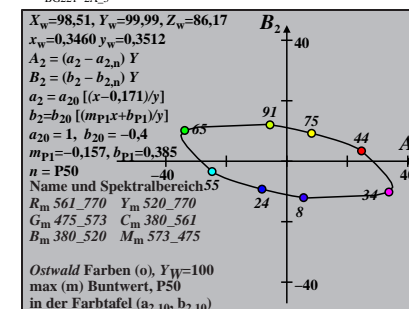
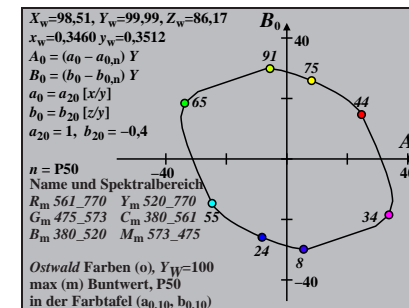
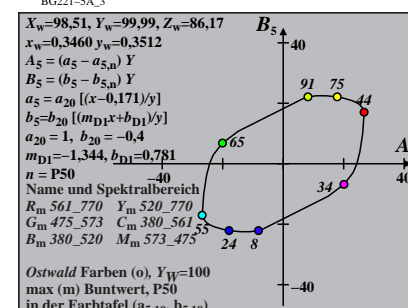
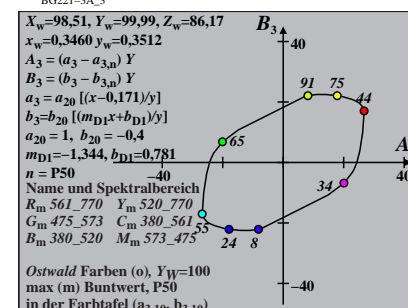
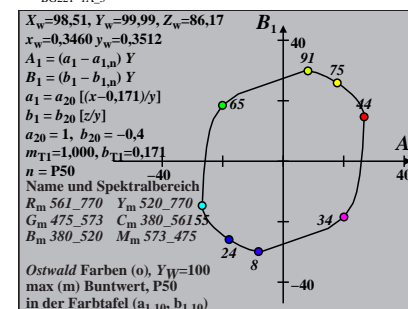
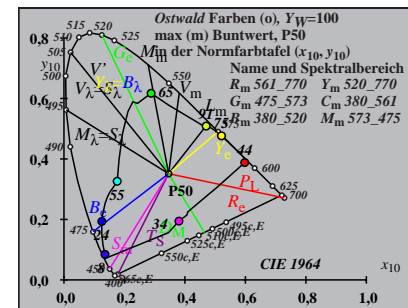
**Ostwald-Optimalfarben (o) von maximalem (m)  $C_{AB,10}$  für P55,  $Y_w,10=100$ ,  $Y_m=520\_770$**

$i_1, \lambda_1$	$i_2, \lambda_2$	$Y_{10}$	$A_{10}$	$B_{10}$	$C_{AB,10}$	$a_{10}$	$b_{10}$	$h_{AB,10}$	$i_d$	$i_c, \lambda_c$	Code
0 405	31 558	55.84	-23.47	-16.54	28.71	0.5561	-0.6784	215.1	15 477	37 587	Cm
7 435	32 560	56.27	-29.2	-4.25	29.51	0.4574	-0.4578	188.2	16 484	-1 484c	
10 450	32 561	56.6	-33.03	5.63	33.51	0.3929	-0.2825	170.3	18 493	-1 493c	
12 460	32 564	57.63	-34.85	11.84	36.8	0.3718	-0.1766	161.2	21 505	-1 505c	
12 465	33 566	59.72	-35.02	12.64	37.24	0.3901	-0.1704	160.1	21 507	-1 507c	
14 470	34 571	61.75	-35.21	17.85	39.48	0.4062	-0.0931	153.1	24 523	-1 523c	
15 475	35 579	66.7	-33.91	21.28	40.03	0.4681	-0.063	147.8	26 533	-1 533c	Gm
16 480	39 599	78.29	-26.73	26.87	37.91	0.635	-0.0389	134.8	29 548	-1 548c	
16 485	-1 484c	93.33	-9.33	32.62	33.93	0.8765	-0.0327	105.9	32 562	10 454	
17 490	-1 489c	91.95	-8.11	32.94	33.93	0.8882	-0.0239	103.8	32 563	11 456	max
19 495	-1 495c	88.5	-4.8	32.7	33.05	0.9222	-0.0127	98.3	33 565	12 461	
20 500	-1 500c	86.34	-2.73	32.2	32.31	0.9448	-0.0092	94.8	33 566	12 463	
22 510	-1 510c	81.02	2.09	30.57	30.65	1.0024	-0.0048	86.0	33 568	13 467	Ym
24 520	-1 520c	74.38	7.53	28.25	29.24	1.0777	-0.0023	75.0	34 571	14 470	
25 530	-1 529c	70.66	10.26	26.89	28.79	1.1218	-0.0015	69.1	34 573	14 471	
27 540	-1 539c	62.6	15.46	23.89	28.46	1.2236	-0.0005	57.0	35 577	14 474	
28 545	-1 544c	58.35	17.8	22.28	28.52	1.2817	-0.0002	51.3	35 579	15 475	
29 550	-1 549c	54.04	19.87	20.65	28.66	1.3442	0.0	46.1	36 581	15 475	
31 555	-1 555c	45.37	22.97	17.34	28.78	1.4829	0.0	37.0	37 586	15 477	
32 560	6 430	41.55	27.67	7.79	28.75	1.6425	-0.1946	15.7	45 629	16 482	
31 558	0 405	44.15	23.47	16.54	28.71	1.5082	-0.0075	35.1	37 587	15 477	Rm
32 560	7 435	43.72	29.2	4.25	29.51	1.6445	-0.2849	8.2	-1 484c	16 484	
32 561	10 450	43.39	33.03	-5.63	33.51	1.7378	-0.5121	350.3	-1 493c	18 493	
32 564	12 460	42.36	34.85	-11.84	36.8	1.7991	-0.6619	341.2	-1 505c	21 505	
33 566	12 465	40.27	35.02	-12.64	37.24	1.8463	-0.6963	340.1	-1 507c	21 507	
34 571	14 470	38.24	35.21	-17.85	39.48	1.8972	-0.8489	333.1	-1 523c	24 523	
35 579	15 475	33.29	33.91	-21.28	40.03	1.995	-1.0215	327.8	-1 533c	26 533	Mm
39 599	16 480	21.7	26.73	-26.87	37.91	2.2087	-1.6206	314.8	-1 548c	29 548	
-1 484c	16 485	6.66	9.33	-32.62	33.93	2.3771	-5.2753	285.9	10 454	32 562	
-1 489c	17 490	8.04	8.11	-32.94	33.93	1.9859	-4.4787	283.8	11 456	32 563	min
-1 495c	19 495	11.49	4.8	-32.7	33.05	1.3948	-3.2265	278.3	12 461	33 565	
-1 500c	20 500	13.65	2.73	-32.2	32.31	1.177	-2.7397	274.8	12 463	33 566	
-1 510c	22 510	18.97	-2.09	-30.57	30.65	0.8661	-1.9939	266.0	13 467	33 568	
-1 520c	24 520	25.61	-7.53	-28.25	29.24	0.6825	-1.4854	255.0	14 470	34 571	Bm
-1 529c	25 530	29.33	-10.26	-26.89	28.79	0.6265	-1.2992	249.1	14 471	34 573	
-1 539c	27 540	37.39	-15.46	-23.89	28.46	0.5629	-1.021	237.0	14 474	35 577	
-1 544c	28 545	41.64	-17.8	-22.28	28.52	0.5489	-0.9173	231.3	15 475	35 579	
-1 549c	29 550	45.95	-19.87	-20.65	28.66	0.5441	-0.8315	226.1	15 475	36 581	
-1 555c	31 555	54.62	-22.97	-17.34	28.78	0.5559	-0.6996	217.0	15 477	37 586	
6 430	32 560	58.44	-27.67	-7.79	28.75	0.503	-0.5155	195.7	16 482	45 629	
380	770	100.0	0.0	0.0	0.01	0.9765	-0.3822	0.0			



**Ostwald-Optimalfarben (o) von maximalem (m)  $C_{AB,10}$  für P50,  $Y_{w,10}=100$ ,  $Y_m=520\_770$**

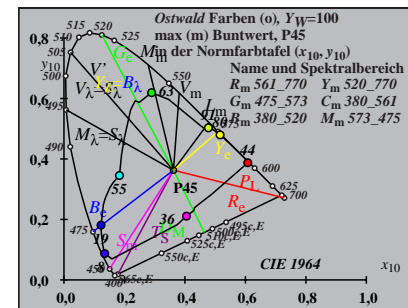
$i_1, \lambda_1$	$i_2, \lambda_2$	$Y_{10}$	$A_{10}$	$B_{10}$	$C_{AB,10}$	$a_{10}$	$b_{10}$	$h_{AB,10}$	$i_d, \lambda_d$	$i_c, \lambda_c$	Code
1 405	32 560	55.5	-24.72	-14.69	28.76	0.5395	-0.6093	210.7	15 479	37 589	Cm
7 435	32 561	55.89	-29.47	-4.31	29.79	0.4577	-0.4219	188.3	17 485	-1 485c	
9 450	32 562	56.57	-31.94	1.77	31.99	0.4204	-0.3133	176.8	18 490	-1 490c	
12 460	33 565	57.12	-34.56	10.18	36.03	0.38	-0.1664	163.5	21 505	-1 505c	
13 465	33 567	58.35	-34.91	12.83	37.2	0.3867	-0.1246	159.8	22 513	-1 513c	
14 470	34 571	60.79	-34.86	15.52	38.16	0.4116	-0.0892	155.9	24 523	-1 523c	
14 475	35 578	66.09	-34.27	17.35	38.42	0.4665	-0.082	153.1	25 529	-1 529c	Gm
16 480	38 593	74.98	-28.52	22.93	36.6	0.6047	-0.0387	141.1	29 546	-1 546c	
17 485	-1 485c	92.59	-6.99	29.81	30.62	0.9095	-0.0227	103.2	32 564	11 457	
18 490	-1 490c	91.09	-5.55	29.87	30.39	0.9241	-0.0166	100.5	33 565	11 459	max
18 495	-1 494c	91.09	-5.55	29.87	30.39	0.9241	-0.0166	100.5	33 565	11 459	
20 500	-1 500c	87.25	-1.83	29.3	29.35	0.9641	-0.0088	93.5	33 566	12 464	
22 510	-1 510c	82.13	2.87	27.92	28.07	1.02	-0.0046	84.1	33 569	13 467	
24 520	-1 520c	75.67	8.21	25.91	27.18	1.0936	-0.0022	72.4	34 572	14 470	Ym
26 530	-1 530c	68.14	13.57	23.42	27.07	1.1843	-0.0009	59.9	35 575	14 473	
28 540	-1 540c	59.85	18.48	20.61	27.68	1.2938	-0.0002	48.1	35 579	15 475	
29 545	-1 545c	55.55	20.57	19.14	28.1	1.3554	0.0	42.9	36 581	15 476	
30 550	-1 550c	51.21	22.35	17.65	28.48	1.4215	0.0	38.2	36 584	15 477	
31 555	-1 555c	46.85	23.76	16.15	28.73	1.4922	0.0	34.2	37 586	15 478	
32 560	-1 560c	42.52	24.74	14.65	28.76	1.567	0.0	30.6	37 589	15 479	
32 560	1 405	44.49	24.72	14.69	28.76	1.5407	-0.0145	30.7	37 589	15 479	Rm
32 561	7 435	44.1	29.47	4.31	29.79	1.6535	-0.2467	8.3	-1 485c	17 485	
32 562	9 450	43.42	31.94	-1.77	31.99	1.7207	-0.3854	356.8	-1 490c	18 490	
33 565	12 460	42.87	34.56	-10.18	36.03	1.7913	-0.5821	343.5	-1 505c	21 505	
33 567	13 465	41.64	34.91	-12.83	37.2	1.8235	-0.6529	339.8	-1 513c	22 513	
34 571	14 470	39.2	34.86	-15.52	38.16	1.8742	-0.7407	335.9	-1 523c	24 523	
35 578	14 475	33.9	34.27	-17.35	38.42	1.9961	-0.8566	333.1	-1 529c	25 529	Mm
38 593	16 480	25.01	28.52	-22.93	36.6	2.1253	-1.2617	321.1	-1 546c	29 546	
-1 485c	17 485	7.4	6.99	-29.81	30.62	1.9306	-4.373	283.2	11 457	32 564	
-1 490c	18 490	8.9	5.55	-29.87	30.39	1.6088	-3.699	280.5	11 459	33 565	min
-1 494c	18 495	8.9	5.55	-29.87	30.39	1.6088	-3.699	280.5	11 459	33 565	
-1 500c	20 500	12.74	1.83	-29.3	29.35	1.1287	-2.6431	273.5	12 464	33 566	
-1 510c	22 510	17.86	-2.87	-27.92	28.07	0.8244	-1.9076	264.1	13 467	33 569	
-1 520c	24 520	24.32	-8.21	-25.91	27.18	0.6475	-1.4096	252.4	14 470	34 572	Bm
-1 530c	26 530	31.85	-13.57	-23.42	27.07	0.5588	-1.0801	239.9	14 473	35 575	
-1 540c	28 540	40.14	-18.48	-20.61	27.68	0.5247	-0.8581	228.1	15 475	35 579	
-1 545c	29 545	44.44	-20.57	-19.14	28.1	0.5221	-0.7754	222.9	15 476	36 581	
-1 550c	30 550	48.78	-22.35	-17.65	28.48	0.5268	-0.7065	218.2	15 477	36 584	
-1 555c	31 555	53.14	-23.76	-16.15	28.73	0.5379	-0.6486	214.2	15 478	37 586	
-1 560c	32 560	57.47	-24.74	-14.65	28.76	0.5544	-0.5997	210.6	15 479	37 589	
380	770	99.99	0.0	0.0	0.01	0.9851	-0.3446	0.0			





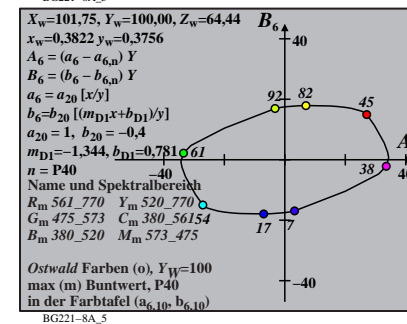
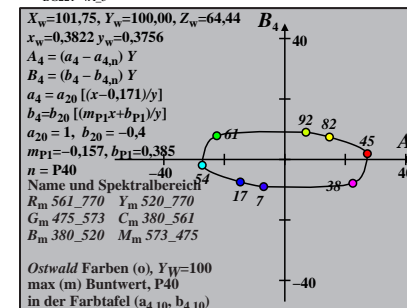
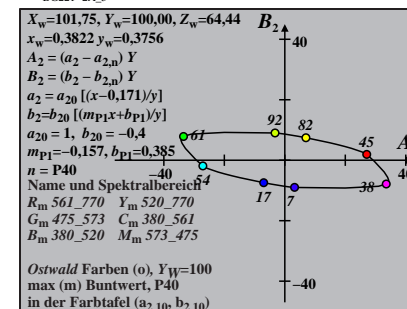
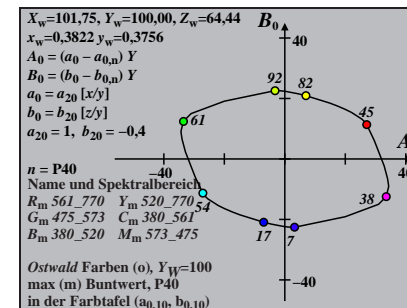
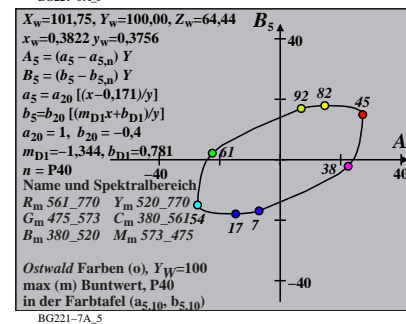
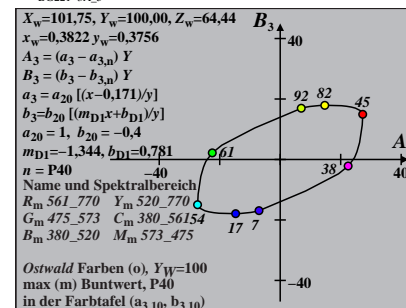
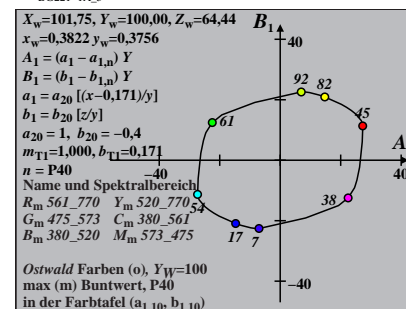
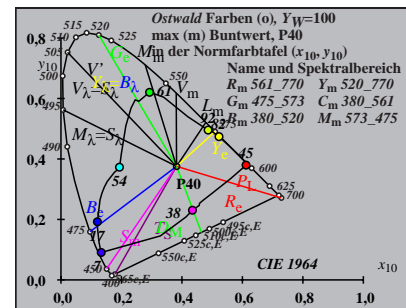
**Ostwald-Optimalfarben (o) von maximalem (m)  $C_{AB,10}$  für P45,  $Y_w,10=100$ ,  $Y_m=520\_770$**

$i_1, \lambda_1$	$i_2, \lambda_2$	$Y_{10}$	$A_{10}$	$B_{10}$	$C_{AB,10}$	$a_{10}$	$b_{10}$	$h_{AB,10}$	$i_d$	$\lambda_c$	Code
1	405	32	561	55.06	-25.82	-13.09	28.95	0.5291	-0.5411	206.8	16 480 38 590 Cm
7	435	32	562	55.42	-29.85	-4.31	30.16	0.4594	-0.381	188.2	17 486 -1 486c
10	450	32	564	55.71	-32.86	3.43	33.04	0.4081	-0.2415	174.0	18 494 -1 494c
11	460	33	566	56.99	-33.77	6.28	34.35	0.4054	-0.193	169.4	19 499 -1 499c
13	465	33	568	57.58	-34.57	10.74	36.2	0.3976	-0.1166	162.7	22 513 -1 513c
13	470	34	571	60.41	-34.65	11.6	36.54	0.4243	-0.1111	161.4	23 516 -1 516c
15	475	35	577	63.43	-33.64	15.5	37.04	0.4676	-0.0587	155.2	26 532 -1 532c Gm
15	480	37	589	72.59	-30.72	18.28	35.75	0.5747	-0.0513	149.2	28 542 -1 542c
17	485	51	659	92.6	-6.91	26.08	26.98	0.9233	-0.0215	104.8	32 564 10 454
18	490	-1	490c	91.92	-4.42	26.42	26.79	0.9499	-0.0157	99.4	33 566 12 460 max
19	495	-1	495c	90.26	-2.77	26.32	26.47	0.9672	-0.0115	96.0	33 566 12 462
20	500	-1	500c	88.3	-0.86	26.03	26.04	0.9882	-0.0084	91.9	33 567 12 464
22	510	-1	510c	83.42	3.68	24.92	25.19	1.0421	-0.0044	81.6	34 570 13 468
23	520	-1	519c	80.46	6.24	24.14	24.94	1.0756	-0.0031	75.4	34 571 14 470 Ym
25	530	-1	529c	73.64	11.59	22.22	25.06	1.1555	-0.0014	62.4	34 574 14 473
27	540	-1	539c	65.84	16.79	19.93	26.06	1.2531	-0.0005	49.8	35 578 15 475
29	545	-1	545c	57.39	21.31	17.39	27.51	1.3694	0.0	39.2	36 582 15 477
29	550	-1	549c	57.39	21.31	17.39	27.51	1.3694	0.0	39.2	36 582 15 477
30	555	-1	554c	53.06	23.15	16.08	28.19	1.4343	0.0	34.7	36 584 15 478
32	560	-1	560c	44.31	25.67	13.43	28.97	1.5774	0.0	27.6	38 590 16 480
32	561	1	405	44.93	25.82	13.09	28.95	1.5726	-0.0117	26.8	38 590 16 480 Rm
32	562	7	435	44.57	29.85	4.31	30.16	1.6678	-0.2063	8.2	-1 486c 17 486
32	564	10	450	44.28	32.86	-3.43	33.04	1.7401	-0.3808	354.0	-1 494c 18 494
33	566	11	460	43.0	33.77	-6.28	34.35	1.7833	-0.4492	349.4	-1 499c 19 499
33	568	13	465	42.41	34.57	-10.74	36.2	1.8131	-0.5565	342.7	-1 513c 22 513
34	571	13	470	39.58	34.65	-11.6	36.54	1.8735	-0.5963	341.4	-1 516c 23 516
35	577	15	475	36.56	33.64	-15.5	37.04	1.9179	-0.7272	335.2	-1 532c 26 532 Mm
37	589	15	480	27.4	30.72	-18.28	35.75	2.119	-0.9702	329.2	-1 542c 28 542
51	659	17	485	7.39	6.91	-26.08	26.98	1.933	-3.8322	284.8	10 454 32 564
-1	490c	18	490	8.07	4.42	-26.42	26.79	1.5454	-3.5757	279.4	12 460 33 566 min
-1	495c	19	495	9.73	2.77	-26.32	26.47	1.2833	-3.0066	276.0	12 462 33 566
-1	500c	20	500	11.69	0.86	-26.03	26.04	1.0721	-2.5295	271.9	12 464 33 567
-1	510c	22	510	16.57	-3.68	-24.92	25.19	0.776	-1.807	261.6	13 468 34 570
-1	519c	23	520	19.53	-6.24	-24.14	24.94	0.6782	-1.5393	255.4	14 470 34 571 Bm
-1	529c	25	530	26.35	-11.59	-22.22	25.06	0.5579	-1.1464	242.4	14 473 34 574
-1	539c	27	540	34.15	-16.79	-19.93	26.06	0.5063	-0.8866	229.8	15 475 35 578
-1	545c	29	545	42.6	-21.31	-17.39	27.51	0.4975	-0.7116	219.2	15 477 36 582
-1	549c	29	550	42.6	-21.31	-17.39	27.51	0.4975	-0.7116	219.2	15 477 36 582
-1	554c	30	555	46.93	-23.15	-16.08	28.19	0.5047	-0.646	214.7	15 478 36 584
-1	560c	32	560	55.68	-25.67	-13.43	28.97	0.5369	-0.5445	207.6	16 480 38 590
380	770	100.0	0.0	0.0	0.01	0.998	-0.3032	0.0			



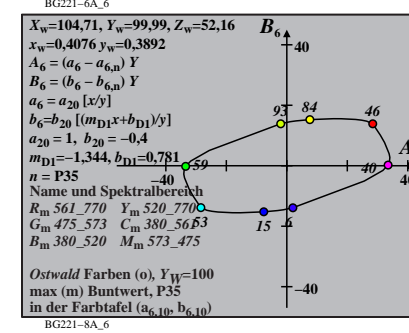
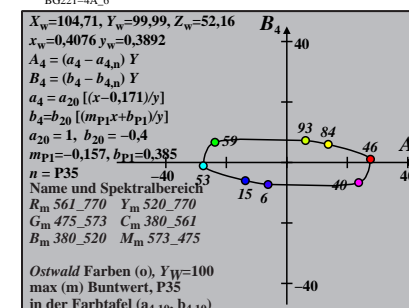
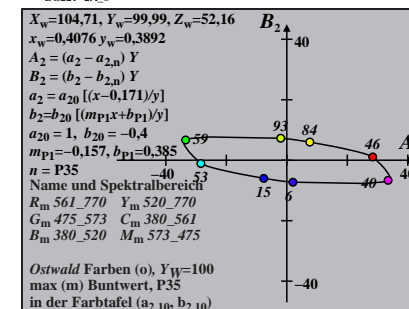
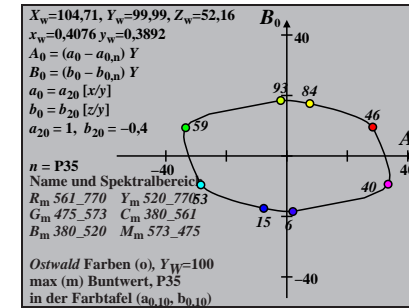
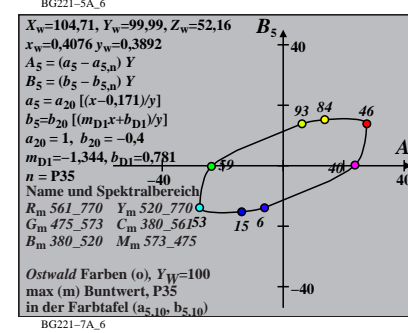
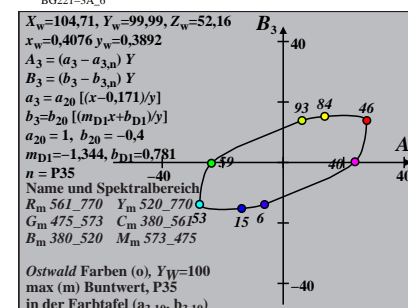
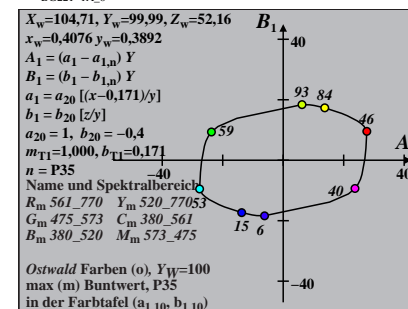
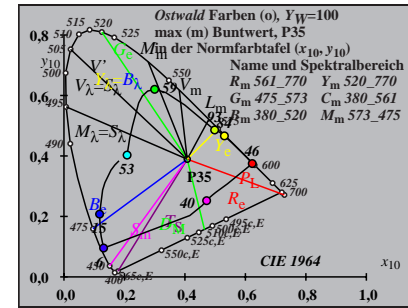
**Ostwald-Optimalfarben (o) von maximalem (m)  $C_{AB,10}$  für P40,  $Y_w,10=100$ ,  $Y_m=520\_770$**

$i_1, \lambda_1$	$i_2, \lambda_2$	$Y_{10}$	$A_{10}$	$B_{10}$	$C_{AB,10}$	$a_{10}$	$b_{10}$	$h_{AB,10} \cdot d$	$\lambda_d$	$i_c, \lambda_c$	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			



**Ostwald-Optimalfarben (o) von maximalem (m)  $C_{AB,10}$  für P35,  $Y_{w,10}=100$ ,  $Y_m=520\_770$**

$i_1, \lambda_1$	$i_2, \lambda_2$	$Y_{10}$	$A_{10}$	$B_{10}$	$C_{AB,10}$	$a_{10}$	$b_{10}$	$h_{AB,10}$	$\lambda_d$	$i_c, \lambda_c$	Code
1 405	33 566	53.73	-28.51	-9.36	30.01	0.5164	-0.3829	198.1	16 484	38 594	Cm
7 435	33 566	54.01	-30.94	-3.98	31.2	0.4742	-0.2823	187.3	17 488	58 694	
10 450	33 567	54.22	-32.89	1.2	32.91	0.4405	-0.1863	177.8	19 496	-1 496c	
12 460	33 568	54.77	-33.83	4.66	34.15	0.4294	-0.1234	172.1	21 505	-1 505c	
12 465	34 570	55.93	-33.95	4.91	34.3	0.4401	-0.1208	171.7	21 506	-1 506c	
14 470	34 572	56.88	-33.95	7.83	34.84	0.4502	-0.0709	167.0	24 521	-1 521c	
14 475	35 576	59.98	-33.85	8.48	34.9	0.4827	-0.0672	165.9	24 524	-1 524c	Gm
16 480	36 583	64.25	-31.77	11.14	33.67	0.5526	-0.0352	160.6	28 540	-1 540c	
17 485	39 598	74.44	-25.63	13.85	29.14	0.7027	-0.0225	151.6	30 552	-1 552c	
17 490	-1 489c	95.09	-3.15	18.16	18.43	1.0139	-0.0176	99.8	33 568	11 459	max
18 495	-1 494c	93.95	-1.99	18.36	18.47	1.0258	-0.0131	96.2	33 569	12 461	
19 500	-1 499c	92.58	-0.57	18.41	18.42	1.0408	-0.0097	91.8	34 570	12 464	
22 510	-1 510c	86.74	5.22	17.76	18.51	1.1073	-0.0038	73.6	34 572	14 470	Ym
24 520	-1 520c	81.19	10.15	16.78	19.61	1.1722	-0.0019	58.8	35 575	14 473	
26 530	-1 530c	74.43	15.39	15.47	21.82	1.2538	-0.0008	45.1	35 578	15 476	
27 540	-1 539c	70.65	17.98	14.7	23.23	1.3016	-0.0004	39.2	36 580	15 478	
28 545	-1 544c	66.66	20.45	13.89	24.73	1.354	-0.0002	34.1	36 581	15 479	
30 550	-1 550c	58.24	24.75	12.15	27.57	1.4721	0.0	26.1	37 586	16 481	
31 555	-1 555c	53.86	26.43	11.23	28.72	1.538	0.0	23.0	37 588	16 482	
32 560	-1 560c	49.42	27.72	10.31	29.57	1.608	0.0	20.4	38 591	16 483	
33 566	1 405	46.26	28.51	9.36	30.01	1.6635	-0.0061	18.1	38 594	16 484	Rm
33 566	7 435	45.98	30.94	3.98	31.2	1.72	-0.122	7.3	58 694	17 488	
33 567	10 450	45.77	32.89	-1.2	32.91	1.7657	-0.235	357.8	-1 496c	19 496	
33 568	12 460	45.22	33.83	-4.66	34.15	1.7953	-0.3118	352.1	-1 505c	21 505	
34 570	12 465	44.06	33.95	-4.91	34.3	1.8176	-0.32	351.7	-1 506c	21 506	
34 572	14 470	43.11	33.95	-7.83	34.84	1.8348	-0.3903	347.0	-1 521c	24 521	
35 576	14 475	40.01	33.85	-8.48	34.9	1.8933	-0.4206	345.9	-1 524c	24 524	Mm
36 583	16 480	35.74	31.77	-11.14	33.67	1.9362	-0.5203	340.6	-1 540c	28 540	
39 598	17 485	25.55	25.63	-13.85	29.14	2.0503	-0.7507	331.6	-1 552c	30 552	
-1 489c	17 490	4.9	3.15	-18.16	18.43	1.6903	-3.9107	279.8	11 459	33 568	min
-1 494c	18 495	6.04	1.99	-18.36	18.47	1.3778	-3.2484	276.2	12 461	33 569	
-1 499c	19 500	7.41	0.57	-18.41	18.42	1.1252	-2.6931	271.8	12 464	34 570	
-1 510c	22 510	13.25	-5.22	-17.76	18.51	0.6529	-1.5488	253.6	14 470	34 572	
-1 520c	24 520	18.8	-10.15	-16.78	19.61	0.507	-1.101	238.8	14 473	35 575	Bm
-1 530c	26 530	25.56	-15.39	-15.47	21.82	0.445	-0.8138	225.1	15 476	35 578	
-1 539c	27 540	29.34	-17.98	-14.7	23.23	0.4343	-0.7099	219.2	15 478	36 580	
-1 544c	28 545	33.33	-20.45	-13.89	24.73	0.4333	-0.6254	214.1	15 479	36 581	
-1 550c	30 550	41.75	-24.75	-12.15	27.57	0.4543	-0.4996	206.1	16 481	37 586	
-1 555c	31 555	46.13	-26.43	-11.23	28.72	0.4741	-0.4522	203.0	16 482	37 588	
-1 560c	32 560	50.57	-27.72	-10.31	29.57	0.4989	-0.4125	200.4	16 483	38 591	
380	770	99.99	0.0	0.0	0.01	1.0471	-0.2086	0.0			





**Ostwald-Optimalfarben (o) von maximalem (m)  $C_{AB,10}$  für P30,  $Y_{w,10}=100$ ,  $Y_m=520\text{--}770$**

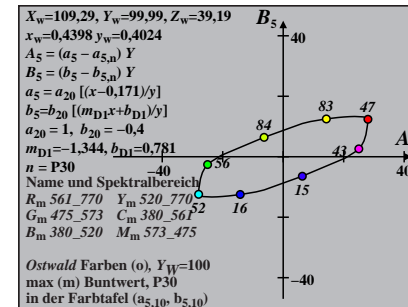
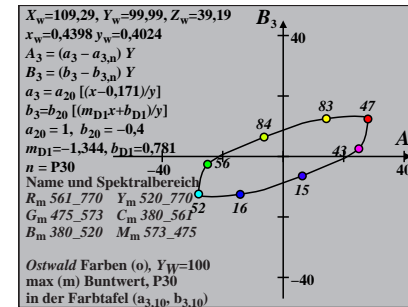
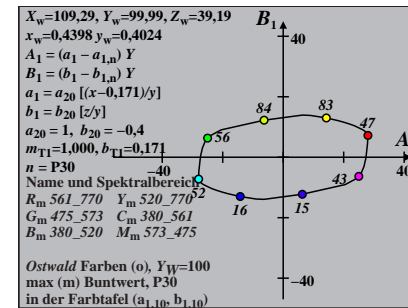
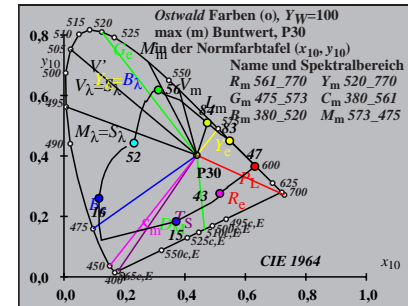
$i_1, \lambda_1$	$i_2, \lambda_2$	$Y_{10}$	$A_{10}$	$B_{10}$	$C_{AB,10}$	$a_{10}$	$b_{10}$	$h_{AB,10}$	$i_d, \lambda_d$	$i_c, \lambda_c$	Code
1	405	33 569	52.67	-30.03	-7.24	30.89	0.5228	-0.2942	193.5	17 486	39 596 Cm
6	435	33 569	52.97	-31.28	-4.58	31.61	0.5025	-0.2433	188.3	17 489	43 615
9	450	34 570	53.24	-32.7	-1.04	32.71	0.4787	-0.1763	181.8	18 494	-1 494c
12	460	34 571	53.48	-33.74	2.86	33.86	0.4619	-0.1032	175.1	21 505	-1 505c
13	465	34 572	54.01	-33.87	4.09	34.12	0.4658	-0.0809	173.1	22 512	-1 512c
14	470	34 573	55.05	-33.82	5.25	34.23	0.4784	-0.0614	171.1	24 520	-1 520c
14	475	35 576	57.35	-33.78	5.61	34.24	0.5039	-0.0589	170.5	24 523	-1 523c Gm
15	480	36 581	60.98	-32.97	6.98	33.7	0.5522	-0.0422	168.0	26 534	-1 534c
16	485	38 590	67.78	-30.21	8.68	31.43	0.6472	-0.0287	163.9	29 546	-1 546c
18	490	44 620	84.98	-13.94	12.23	18.54	0.9289	-0.0128	138.7	32 564	-1 564c max
19	495	-1 495c	94.0	0.43	13.93	13.94	1.0975	-0.0085	88.2	34 572	13 465
20	500	-1 500c	92.59	1.95	13.92	14.06	1.114	-0.0063	81.9	34 572	13 467
21	510	-1 509c	90.89	3.73	13.82	14.31	1.134	-0.0047	74.8	34 573	13 469
23	520	-1 519c	86.52	8.03	13.35	15.58	1.1857	-0.0024	58.9	35 575	14 473 Ym
26	530	-1 530c	77.56	15.61	12.1	19.75	1.2942	-0.0007	37.7	35 579	15 478
28	540	-1 540c	70.17	20.77	10.98	23.49	1.3889	-0.0002	27.8	36 583	16 481
29	545	-1 545c	66.16	23.15	10.36	25.37	1.4429	0.0	24.1	37 585	16 482
30	550	-1 550c	61.97	25.32	9.71	27.12	1.5014	0.0	20.9	37 587	16 483
31	555	-1 555c	57.64	27.18	9.03	28.65	1.5645	0.0	18.3	37 589	16 484
32	560	-1 560c	53.2	28.67	8.34	29.86	1.6318	0.0	16.2	38 592	17 485
33	569	1 405	47.32	30.03	7.24	30.89	1.7275	-0.0037	13.5	39 596	17 486 Rm
33	569	6 435	47.02	31.28	4.58	31.61	1.7581	-0.0592	8.3	43 615	17 489
34	570	9 450	46.75	32.7	1.04	32.71	1.7922	-0.1345	1.8	-1 494c	18 494
34	571	12 460	46.51	33.74	-2.86	33.86	1.8184	-0.2183	355.1	-1 505c	21 505
34	572	13 465	45.98	33.87	-4.09	34.11	1.8295	-0.2458	353.1	-1 512c	22 512
34	573	14 470	44.94	33.82	-5.25	34.23	1.8455	-0.2736	351.1	-1 520c	24 520
35	576	14 475	42.64	33.78	-5.61	34.24	1.8851	-0.2884	350.5	-1 523c	24 523 Mm
36	581	15 480	39.01	32.97	-6.98	33.7	1.9382	-0.3358	348.0	-1 534c	26 534
38	590	16 485	32.21	30.21	-8.68	31.43	2.0306	-0.4262	343.9	-1 546c	29 546
44	620	18 490	15.01	13.94	-12.23	18.54	2.0215	-0.9719	318.7	-1 564c	32 564 min
-1	495c	19 495	5.99	-0.43	-13.93	13.94	1.0201	-2.483	268.2	13 465	34 572
-1	500c	20 500	7.4	-1.95	-13.92	14.06	0.8286	-2.0367	261.9	13 467	34 572
-1	509c	21 510	9.1	-3.73	-13.82	14.31	0.6826	-1.6742	254.8	13 469	34 573
-1	519c	23 520	13.47	-8.03	-13.35	15.58	0.4969	-1.1474	238.9	14 473	35 575 Bm
-1	530c	26 530	22.43	-15.61	-12.1	19.75	0.3968	-0.6964	217.7	15 478	35 579
-1	540c	28 540	29.82	-20.77	-10.98	23.49	0.3964	-0.5252	207.8	16 481	36 583
-1	545c	29 545	33.83	-23.15	-10.36	25.37	0.4084	-0.4632	204.1	16 482	37 585
-1	550c	30 550	38.02	-25.32	-9.71	27.12	0.4269	-0.4123	200.9	16 483	37 587
-1	555c	31 555	42.35	-27.18	-9.03	28.65	0.451	-0.3701	198.3	16 484	37 589
-1	560c	32 560	46.79	-28.67	-8.34	29.86	0.4801	-0.335	196.2	17 485	38 592
380	770	99.99	0.0	0.0	0.01	1.0929	-0.1567	0.0			

0-001630-L0

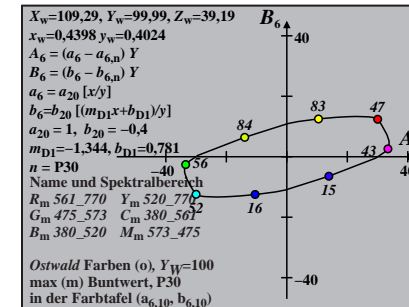
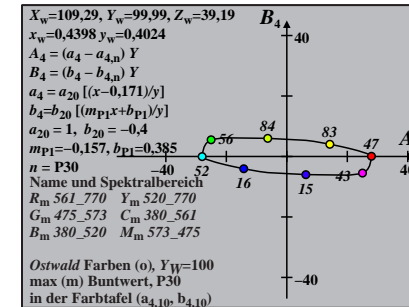
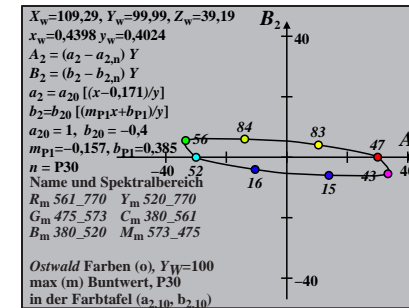
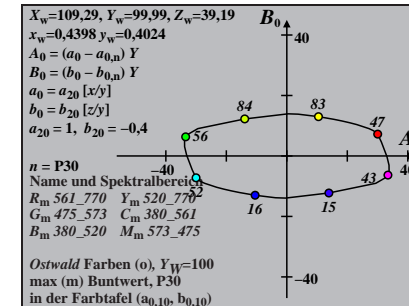
BG220-7N\_16

TUB-Prüfvorlage BG22; CIE ( $x_{10}, y_{10}$ ) und Buntwerte ( $A_{i,10}, B_{i,10}$ ) Eingabe: w/rgb/cmyk -> rgb  
Ostwald-Optimalfarben für Lichtart P30; Diagramm für Lichtart P30,  $Y_{w,10}=100$

0-001630-F0



BG221-7A\_7



BG221-8A\_7

**Ostwald-Optimalfarben (o) von maximalem (m)  $C_{AB,10}$  für P25,  $Y_{w,10}=100$ ,  $Y_m=520\_770$**

$i_1, \lambda_1$	$i_2, \lambda_2$	$Y_{10}$	$A_{10}$	$B_{10}$	$C_{AB,10}$	$a_{10}$	$b_{10}$	$h_{AB,10}$	$i_d$	$i_c, \lambda_c$	Code
1	405	34	573	51.09	-31.49	-5.02	31.89	0.549	-0.2028	189.0	18 490 39 599 Cm
6	435	34	573	51.3	-32.19	-3.5	32.38	0.5379	-0.1729	186.2	18 492 42 613
9	450	34	573	51.5	-33.06	-1.3	33.09	0.5234	-0.1299	182.2	19 497 -1 497c
12	460	34	574	51.67	-33.77	1.28	33.79	0.5118	-0.0796	177.8	21 506 -1 506c
12	465	35	575	52.27	-33.83	1.34	33.86	0.518	-0.0787	177.7	21 507 -1 507c
13	470	35	576	53.01	-33.87	2.22	33.94	0.5265	-0.0624	176.2	22 513 -1 513c
15	475	35	577	53.87	-33.47	3.61	33.67	0.544	-0.0375	173.8	25 527 -1 527c Gm
16	480	36	580	56.11	-32.9	4.31	33.18	0.5791	-0.0276	172.5	27 536 -1 536c
17	485	37	586	60.05	-31.5	5.09	31.91	0.6407	-0.0197	170.8	28 544 -1 544c
18	490	39	597	68.64	-27.07	6.27	27.78	0.771	-0.013	166.9	31 555 -1 555c max
19	495	58	690	95.41	0.93	9.3	9.34	1.1752	-0.007	84.2	35 575 13 466
20	500	-1	500c	94.45	2.51	9.37	9.7	1.192	-0.0053	74.9	35 575 13 469
21	510	-1	509c	93.06	4.07	9.35	10.2	1.2092	-0.0039	66.4	35 576 14 471
24	520	-1	520c	87.05	10.24	8.97	13.61	1.283	-0.0015	41.2	35 579 15 477 Ym
26	530	-1	530c	81.48	15.21	8.46	17.41	1.3521	-0.0006	29.0	36 581 16 481
27	540	-1	539c	78.23	17.82	8.14	19.6	1.3933	-0.0003	24.5	36 583 16 482
28	545	-1	544c	74.69	20.43	7.79	21.87	1.439	-0.0001	20.8	37 585 16 484
29	550	-1	549c	70.92	22.95	7.41	24.12	1.4891	0.0	17.8	37 586 17 485
31	555	-1	555c	62.71	27.42	6.55	28.19	1.6027	0.0	13.4	38 591 17 487
31	560	-1	559c	62.71	27.42	6.55	28.19	1.6027	0.0	13.4	38 591 17 487
34	573	1	405	48.9	31.49	5.02	31.89	1.8094	-0.0018	9.0	39 599 18 490 Rm
34	573	6	435	48.69	32.19	3.5	32.38	1.8266	-0.0324	6.2	42 613 18 492
34	573	9	450	48.49	33.06	1.3	33.09	1.8472	-0.0776	2.2	-1 497c 19 497
34	574	12	460	48.32	33.77	-1.28	33.79	1.8643	-0.1311	357.8	-1 506c 21 506
35	575	12	465	47.72	33.83	-1.34	33.86	1.8744	-0.1328	357.7	-1 507c 21 507
35	576	13	470	46.98	33.87	-2.22	33.94	1.8864	-0.152	356.2	-1 513c 22 513
35	577	15	475	46.12	33.47	-3.61	33.67	1.8913	-0.1828	353.8	-1 527c 25 527 Mm
36	580	16	480	43.88	32.9	-4.31	33.18	1.9151	-0.2028	352.5	-1 536c 27 536
37	586	17	485	39.94	31.5	-5.09	31.91	1.954	-0.232	350.8	-1 544c 28 544
39	597	18	490	31.35	27.07	-6.27	27.78	2.0288	-0.3048	346.9	-1 555c 31 555 min
58	690	19	495	4.58	-0.93	-9.29	9.34	0.9606	-2.1308	264.2	13 466 35 575
-1	500c	20	500	5.54	-2.51	-9.37	9.7	0.7111	-1.7955	254.9	13 469 35 575
-1	509c	21	510	6.93	-4.07	-9.35	10.2	0.5776	-1.4536	246.4	14 471 35 576
-1	520c	24	520	12.94	-10.24	-8.97	13.61	0.374	-0.7977	221.2	15 477 35 579 Bm
-1	530c	26	530	18.51	-15.21	-8.46	17.41	0.3437	-0.5618	209.0	16 481 36 581
-1	539c	27	540	21.76	-17.82	-8.14	19.6	0.3464	-0.4789	204.5	16 482 36 583
-1	544c	28	545	25.3	-20.43	-7.79	21.87	0.3576	-0.4126	200.8	16 484 37 585
-1	549c	29	550	29.07	-22.95	-7.41	24.12	0.3759	-0.3594	197.8	17 485 37 586
-1	555c	31	555	37.28	-27.42	-6.55	28.19	0.4298	-0.2804	193.4	17 487 38 591
-1	559c	31	560	37.28	-27.42	-6.55	28.19	0.4298	-0.2804	193.4	17 487 38 591
380	770	99.99	0.0	0.0	0.01	1.1654	-0.1045	0.0			

