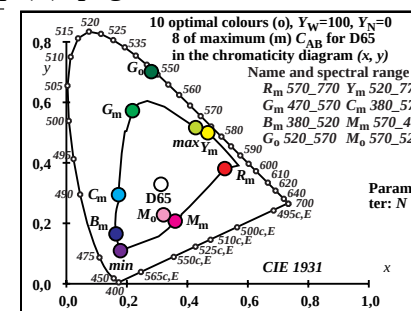


Ostwald optimal colours (o), maximum (m) C_{AB} for D65, $Y_N=0$, $Y_W=100$, $Y_m=520\ 770$

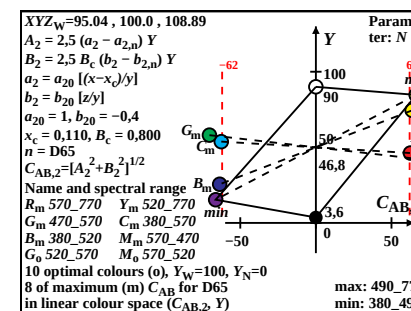
i_1, λ_1	i_2, λ_2	X	Y	Z	x	y	z	h_{xy}	i_d, λ_d	i_c, λ_c	Code
0	405	32	561	31.49	53.78	97.34	0.1724	0.2945	0.533	193.8	16 483 37 589 Cm
6	435	32	562	28.55	54.39	80.58	0.1746	0.3326	0.4927	178.5	17 486 42 610
10	450	32	563	23.35	55.1	49.17	0.1829	0.4317	0.3852	141.6	19 496 -1 496c
12	460	33	565	21.28	55.49	33.31	0.1933	0.504	0.3026	124.2	21 505 -1 505c
12	465	33	567	22.36	56.83	33.32	0.1987	0.5051	0.2961	122.8	21 506 -1 506c
14	470	33	569	22.16	58.03	21.18	0.2186	0.5724	0.2089	111.1	24 520 -1 520c Gm
15	475	34	573	24.05	60.12	16.8	0.2382	0.5953	0.1664	105.6	25 528 -1 528c
16	480	36	580	28.23	63.83	13.47	0.2674	0.6048	0.1276	99.2	27 537 -1 537c
17	485	39	595	39.58	71.51	11.03	0.3241	0.5855	0.0903	87.4	29 548 -1 548c
18	490	-1	490c	70.02	84.64	9.22	0.4272	0.5164	0.0562	58.5	33 565 11 459 max
19	495	-1	495c	69.98	83.35	7.82	0.4342	0.5171	0.0485	57.1	33 566 12 462
20	500	-1	500c	69.96	81.72	6.74	0.4416	0.5158	0.0425	55.3	33 567 12 464
22	510	-1	510c	69.85	77.28	5.33	0.4581	0.5068	0.035	50.6	33 569 13 469
23	520	-1	519c	69.66	74.43	4.92	0.4674	0.4995	0.033	47.7	34 570 14 471 Ym
25	530	-1	529c	68.68	67.57	4.41	0.4882	0.4803	0.0314	40.7	34 573 15 475
27	540	-1	539c	66.72	59.67	4.15	0.511	0.4571	0.0318	32.8	35 577 15 478
28	545	-1	544c	65.33	55.55	4.08	0.5228	0.4445	0.0326	28.7	35 579 15 479
29	550	-1	549c	63.64	51.35	4.03	0.5347	0.4313	0.0338	24.7	36 582 16 480
30	555	-1	554c	61.66	47.14	4.0	0.5465	0.4179	0.0354	20.8	36 584 16 481
32	560	-1	560c	56.8	39.03	3.96	0.5691	0.391	0.0397	13.6	37 589 16 483
32	561	0	405	63.55	46.21	11.54	0.5238	0.3809	0.0951	13.8	37 589 16 483 Rm
32	562	6	435	66.48	45.6	28.3	0.4735	0.3248	0.2016	358.5	42 610 17 486
32	563	10	450	71.69	44.89	59.71	0.4066	0.2546	0.3387	321.6	-1 496c 19 496
33	565	12	460	73.75	44.5	75.57	0.3805	0.2295	0.3898	304.3	-1 505c 21 505
33	567	12	465	72.68	43.16	75.56	0.3797	0.2254	0.3947	302.9	-1 506c 21 506
33	569	14	470	72.87	41.96	87.7	0.3598	0.2071	0.433	291.1	-1 520c 24 520 Mm
34	573	15	475	70.98	39.87	92.08	0.3497	0.1964	0.4537	285.6	-1 528c 25 528
36	580	16	480	66.81	36.16	95.41	0.3367	0.1822	0.4809	279.3	-1 537c 27 537
39	595	17	485	55.46	28.48	97.85	0.305	0.1567	0.5382	267.4	-1 548c 29 548
-1	490c	18	490	25.01	15.35	99.66	0.1786	0.1096	0.7117	238.5	11 459 33 565 min
-1	495c	19	495	25.05	16.64	101.06	0.1755	0.1166	0.7078	237.1	12 462 33 566
-1	500c	20	500	25.07	18.27	102.14	0.1723	0.1256	0.702	235.4	12 464 33 567
-1	510c	22	510	25.18	22.71	103.55	0.1662	0.1499	0.6837	230.7	13 469 33 569
-1	519c	23	520	25.38	25.56	103.96	0.1638	0.165	0.6711	227.7	14 471 34 570 Bm
-1	529c	25	530	26.35	32.42	104.47	0.1614	0.1986	0.6399	220.7	15 475 34 573
-1	539c	27	540	28.32	40.32	104.73	0.1633	0.2325	0.604	212.8	15 478 35 577
-1	544c	28	545	29.7	44.44	104.81	0.1659	0.2483	0.5856	208.8	15 479 35 579
-1	549c	29	550	31.39	48.64	104.85	0.1697	0.2631	0.567	204.7	16 480 36 582
-1	554c	30	555	33.38	52.85	104.88	0.1746	0.2765	0.5488	200.8	16 481 36 584
-1	560c	32	560	38.24	60.96	104.92	0.1873	0.2986	0.5139	193.6	16 483 37 589
W0	380	770	95.04	100.0	108.89	0.3127	0.329	0.3582	0.0		
N0	380	770	3.8	4.0	4.35	0.3127	0.329	0.3582	0.0		

CEX00-7N

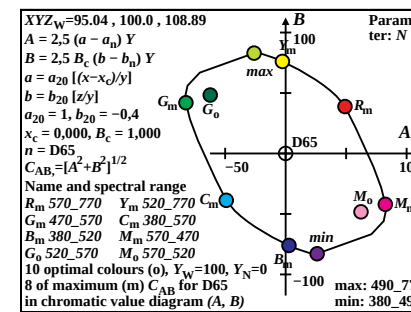
TUB-test chart CEX0; Hue circle of the Ostwald optimal colours with Y values, $Y_N=0,0$, $Y_W=100$
Ostwald optimal colour data: XYZ and eight different colour diagrams, D65-02



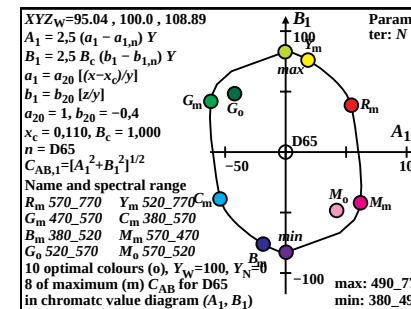
CEX01-1N



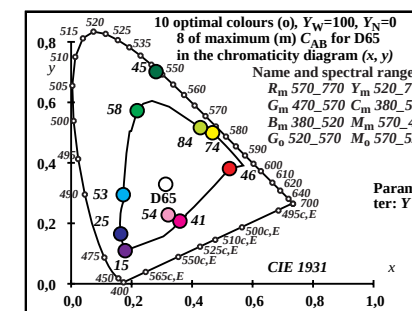
CEX01-3N



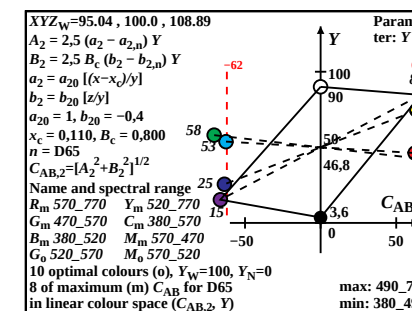
CEX01-5N



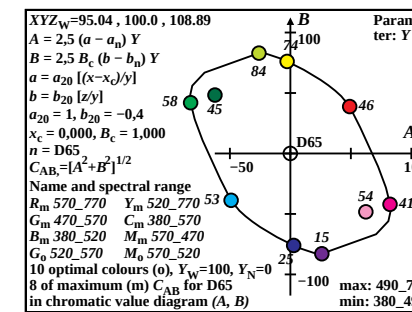
CEX01-7N



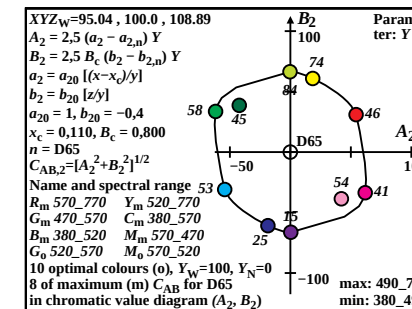
CEX01-2N



CEX01-4N



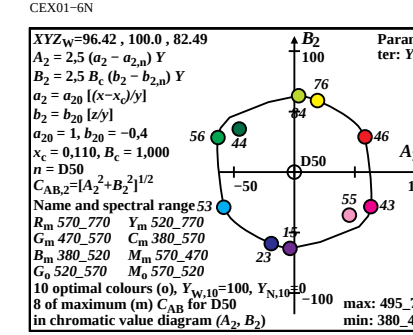
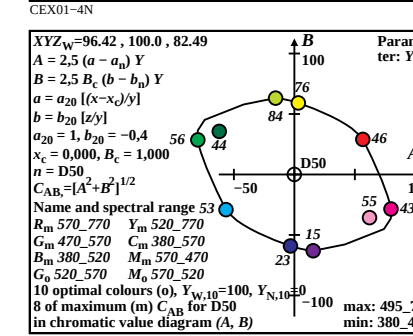
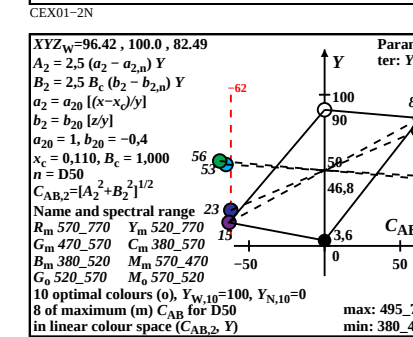
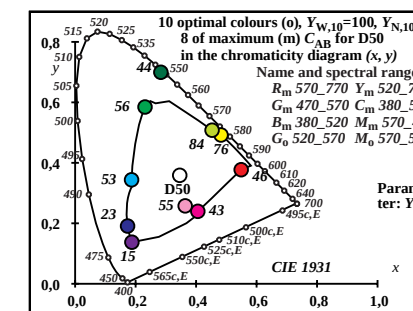
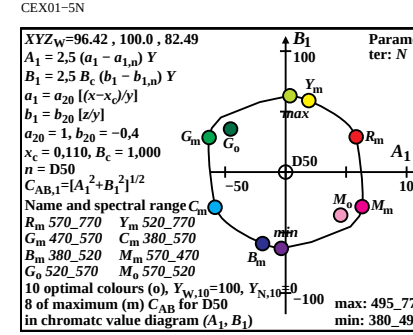
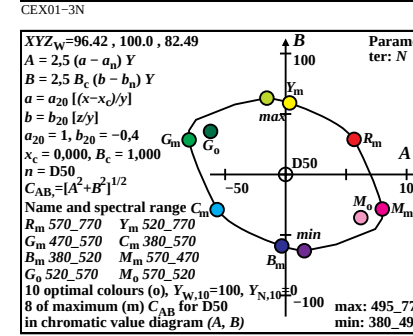
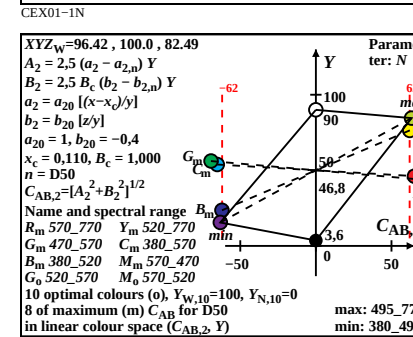
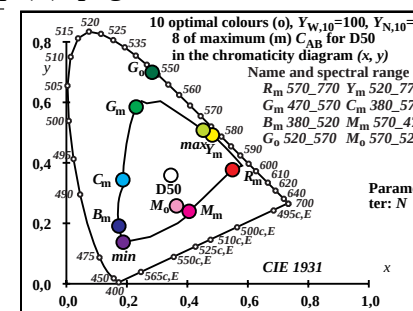
CEX01-6N



CEX01-8N

Ostwald optimal colours (o), maximum (m) C _{AB} for D50, Y _N =0, Y _W =100, Y _m =520_770																
i ₁ , λ ₁	i ₂ , λ ₂	X	Y	Z	x	y	z	h _{xy}	i _d , λ _d	i _c , λ _c	Code					
1 405	32 564	29.26	53.83	73.48	0.1869	0.3438	0.4692	185.2	17 486	38 592	Cm					
7 435	33 565	26.01	53.61	57.83	0.1892	0.39	0.4207	168.6	18 490	46 631						
10 450	33 566	23.26	54.16	39.66	0.1986	0.4625	0.3387	144.6	19 497	-1 497c						
12 460	33 567	22.04	54.86	27.4	0.2113	0.5259	0.2626	128.7	21 506	-1 506c						
13 465	33 568	22.01	55.56	22.12	0.2208	0.5572	0.2218	122.1	22 512	-1 512c						
14 470	34 570	22.15	56.11	17.7	0.2308	0.5846	0.1844	116.9	23 519	-1 519c	Gm					
15 475	34 573	23.92	58.04	14.12	0.2489	0.604	0.1469	111.4	25 527	-1 527c						
15 480	35 578	27.41	61.49	14.13	0.266	0.5968	0.1371	108.4	26 532	-1 532c						
17 485	37 587	33.99	66.01	9.3	0.3109	0.6039	0.0851	98.0	28 544	-1 544c						
18 490	44 620	59.95	79.56	7.75	0.407	0.5402	0.0526	71.3	32 561	-1 561c						
19 495	-1 495c	75.28	84.51	6.54	0.4525	0.5081	0.0393	54.4	33 568	12 463	max					
20 500	-1 500c	75.26	83.07	5.58	0.4591	0.5067	0.034	52.5	33 569	13 466						
22 510	-1 510c	75.16	79.06	4.31	0.4741	0.4986	0.0272	47.4	34 571	14 471						
23 520	-1 519c	74.98	76.43	3.93	0.4826	0.492	0.0253	44.2	34 572	14 473	Ym					
25 530	-1 529c	74.05	69.95	3.45	0.5021	0.4743	0.0234	36.4	35 575	15 477						
27 540	-1 539c	72.16	62.35	3.2	0.524	0.4527	0.0232	27.8	35 579	16 480						
28 545	-1 544c	70.81	58.33	3.13	0.5353	0.4409	0.0236	23.4	36 581	16 481						
29 550	-1 549c	69.15	54.19	3.08	0.5469	0.4286	0.0244	19.1	36 583	16 483						
30 555	-1 554c	67.17	50.01	3.05	0.5586	0.4159	0.0254	15.0	37 585	16 484						
32 560	-1 560c	62.28	41.85	3.02	0.5812	0.3905	0.0281	7.7	38 590	17 486						
32 564	1 405	67.15	46.16	9.01	0.5489	0.3773	0.0736	5.2	38 592	17 486	Rm					
33 565	7 435	70.4	46.38	24.66	0.4977	0.3279	0.1743	348.6	46 631	18 490						
33 566	10 450	73.15	45.83	42.83	0.452	0.2832	0.2646	324.7	-1 497c	19 497						
33 567	12 460	74.37	45.13	55.09	0.4259	0.2585	0.3155	308.7	-1 506c	21 506						
33 568	13 465	74.4	44.43	60.37	0.4151	0.2479	0.3368	302.1	-1 512c	22 512						
34 570	14 470	74.26	43.88	64.78	0.4059	0.2398	0.3541	296.9	-1 519c	23 519	Mm					
34 573	15 475	72.5	41.95	68.37	0.3965	0.2294	0.3739	291.5	-1 527c	25 527						
35 578	15 480	69.0	38.5	68.36	0.3923	0.2189	0.3887	288.5	-1 532c	26 532						
37 587	17 485	62.42	33.98	73.19	0.368	0.2003	0.4315	278.0	-1 544c	28 544						
44 620	18 490	36.46	20.43	74.74	0.277	0.1552	0.5677	251.3	-1 561c	32 561						
-1 495c	19 495	21.14	15.48	75.95	0.1877	0.1375	0.6746	234.4	12 463	33 568	min					
-1 500c	20 500	21.15	16.92	76.91	0.1839	0.1471	0.6688	232.5	13 466	33 569						
-1 510c	22 510	21.25	20.93	78.18	0.1765	0.1739	0.6494	227.5	14 471	34 571						
-1 519c	23 520	21.44	23.56	78.56	0.1735	0.1907	0.6357	224.2	14 473	34 572	Bm					
-1 529c	25 530	22.36	30.04	79.04	0.1701	0.2285	0.6013	216.5	15 477	35 575						
-1 539c	27 540	24.25	37.64	79.29	0.1717	0.2666	0.5615	207.8	16 480	35 579						
-1 544c	28 545	25.6	41.66	79.36	0.1746	0.2841	0.5412	203.5	16 481	36 581						
-1 549c	29 550	27.26	45.8	79.41	0.1788	0.3004	0.5207	199.2	16 483	36 583						
-1 554c	30 555	29.24	49.98	79.44	0.1843	0.315	0.5006	195.0	16 484	37 585						
-1 560c	32 560	34.13	58.14	79.47	0.1987	0.3385	0.4627	187.7	17 486	38 590						
W0 380	770	96.42	100.0	82.49	0.3457	0.3585	0.2957	0.0								
N0 380	770	3.85	4.0	3.29	0.3457	0.3585	0.2957	0.0								

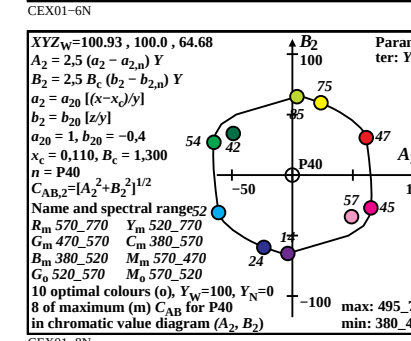
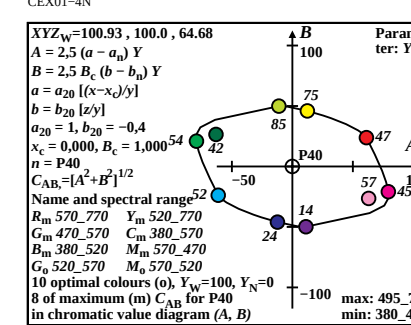
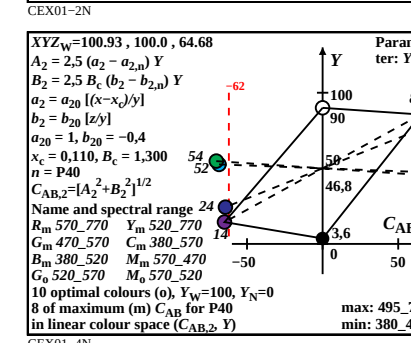
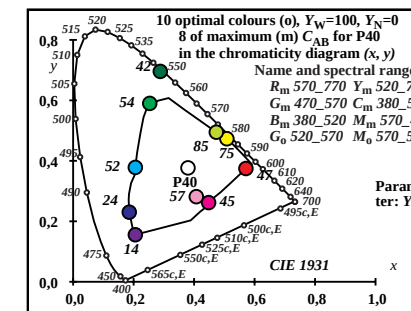
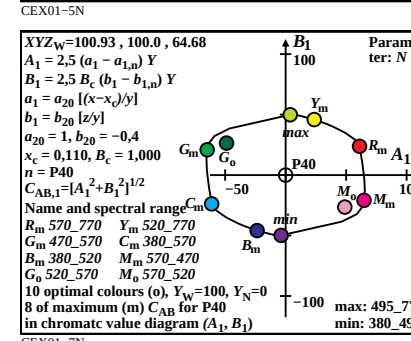
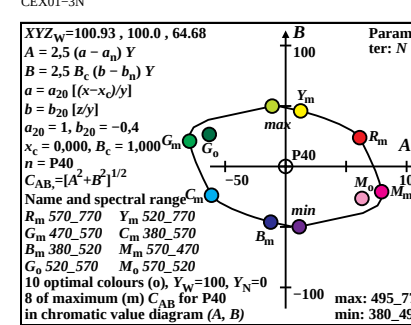
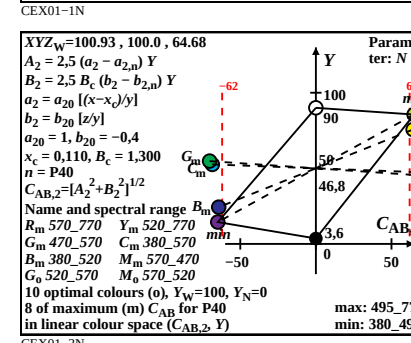
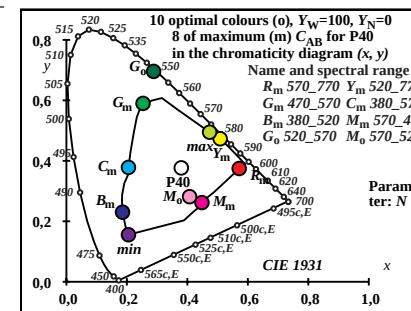
TUB-test chart CEX0; Hue circle of the *Ostwald* optimal colours with Y values, Y_N=0,0, Y_W=100
Ostwald optimal colour data: XYZ and eight different colour diagrams, D50-02



Ostwald optimal colours (o), maximum (m) C_{AB} for P40, $Y_N=0$, $Y_W=100$, $Y_m=520\text{--}770$

i_1, λ_1	i_2, λ_2	X	Y	Z	x	y	z	h_{xy}	i_d, λ_d	i_c, λ_c	Code
0	405	33	568	28.56	52.58	57.84	0.2054	0.3783	0.4161	179.3	17 488 38 594 Cm
7	435	33	568	26.11	52.87	44.22	0.2119	0.4291	0.3589	162.5	18 493 -1 493c
10	450	33	569	24.13	53.33	30.9	0.2226	0.4921	0.2851	143.6	19 499 -1 499c
12	460	34	570	22.8	53.28	21.91	0.2326	0.5437	0.2236	131.3	21 507 -1 507c
13	465	34	571	22.89	53.83	17.91	0.2418	0.5688	0.1892	125.6	22 512 -1 512c
14	470	34	572	23.51	54.75	14.51	0.2534	0.5901	0.1564	120.6	23 519 -1 519c Gm
14	475	34	574	25.3	56.7	14.51	0.2622	0.5874	0.1503	119.1	24 522 -1 522c
15	480	35	578	27.64	58.85	11.73	0.2814	0.5991	0.1194	113.8	26 531 -1 531c
17	485	37	585	32.27	62.11	7.83	0.3157	0.6076	0.0766	105.5	28 543 -1 543c
17	490	40	600	46.83	71.73	7.84	0.3704	0.5674	0.062	92.8	30 554 -1 554c
19	495	-1	495c	81.89	85.57	5.49	0.4734	0.4947	0.0317	51.6	34 571 12 464 max
20	500	-1	500c	81.88	84.33	4.67	0.4791	0.4934	0.0273	49.6	34 571 13 467
21	510	-1	509c	81.86	82.76	4.03	0.4853	0.4906	0.0239	47.2	34 572 13 469
24	520	-1	520c	81.3	75.67	2.97	0.5083	0.473	0.0185	36.9	35 575 15 476 Ym
26	530	-1	530c	80.05	69.21	2.65	0.5269	0.4556	0.0174	28.2	35 578 16 480
27	540	-1	539c	79.05	65.61	2.55	0.5369	0.4456	0.0173	23.7	36 580 16 481
29	545	-1	545c	76.21	57.91	2.44	0.558	0.424	0.0179	14.9	36 584 16 484
29	550	-1	549c	76.21	57.91	2.44	0.558	0.424	0.0179	14.9	36 584 16 484
31	555	-1	555c	72.04	49.83	2.39	0.5797	0.4009	0.0192	6.9	37 588 17 486
32	560	-1	560c	69.41	45.75	2.38	0.5905	0.3892	0.0202	3.4	38 591 17 487
33	568	0	405	72.36	47.41	6.83	0.5715	0.3744	0.054	359.3	38 594 17 488 Rm
33	568	7	435	74.82	47.12	20.46	0.5254	0.3308	0.1437	342.6	-1 493c 18 493
33	569	10	450	76.8	46.66	33.78	0.4884	0.2967	0.2148	323.6	-1 499c 19 499
34	570	12	460	78.12	46.71	42.77	0.4661	0.2786	0.2551	311.4	-1 507c 21 507
34	571	13	465	78.03	46.16	46.77	0.4564	0.2699	0.2735	305.7	-1 512c 22 512
34	572	14	470	77.41	45.24	50.17	0.4478	0.2617	0.2903	300.6	-1 519c 23 519 Mm
34	574	14	475	75.62	43.29	50.17	0.4472	0.256	0.2967	299.2	-1 522c 24 522
35	578	15	480	73.28	41.14	52.95	0.4378	0.2458	0.3163	293.9	-1 531c 26 531
37	585	17	485	68.65	37.88	56.85	0.4201	0.2318	0.3479	285.5	-1 543c 28 543
40	600	17	490	54.09	28.26	56.84	0.3886	0.203	0.4083	272.8	-1 554c 30 554
-1	495c	19	495	19.03	14.42	59.19	0.2054	0.1556	0.6388	231.6	12 464 34 571 min
-1	500c	20	500	19.04	15.66	60.01	0.2011	0.1653	0.6335	229.7	13 467 34 571
-1	509c	21	510	19.06	17.23	60.65	0.1966	0.1777	0.6255	227.3	13 469 34 572
-1	520c	24	520	19.62	24.32	61.71	0.1857	0.2302	0.584	216.9	15 476 35 575 Bm
-1	530c	26	530	20.87	30.78	62.03	0.1836	0.2707	0.5456	208.3	16 480 35 578
-1	539c	27	540	21.87	34.38	62.13	0.1847	0.2904	0.5248	203.7	16 481 36 580
-1	545c	29	545	24.72	42.08	62.24	0.1915	0.3261	0.4823	194.9	16 484 36 584
-1	549c	29	550	24.72	42.08	62.24	0.1915	0.3261	0.4823	194.9	16 484 36 584
-1	555c	31	555	28.88	50.16	62.29	0.2043	0.3549	0.4407	186.9	17 486 37 588
-1	560c	32	560	31.51	54.24	62.3	0.2128	0.3663	0.4208	183.4	17 487 38 591
W0	380	770	100.93	100.0	64.68	0.3799	0.3764	0.2435	0.0		
N0	380	770	4.03	4.0	2.58	0.3799	0.3764	0.2435	0.0		

TUB-test chart CEX0; Hue circle of the Ostwald optimal colours with Y values, $Y_N=0,0$, $Y_W=100$
Ostwald optimal colour data: XYZ and eight different colour diagrams, P40-02

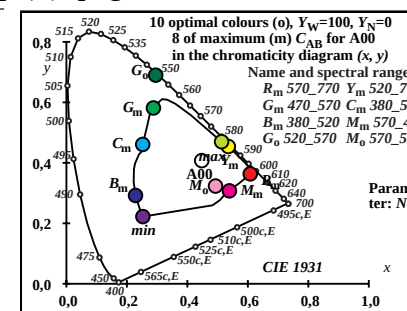


Ostwald optimal colours (o), maximum (m) C_{AB} for A00, $Y_N=0$, $Y_W=100$, $Y_m=520$, 770

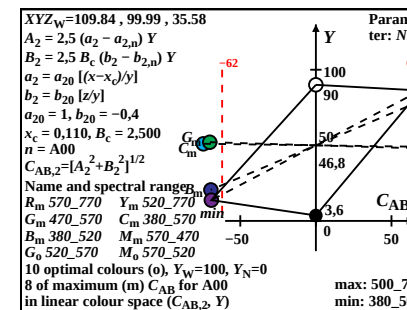
i_1, λ_1	i_2, λ_2	X	Y	Z	x	y	z	h_{xy}	i_d, λ_d	i_c, λ_c	Code
1 405	34 574	27.98	51.03	31.76	0.2525	0.4606	0.2867	164.7	18 494	39 599	Cm
6 435	34 574	27.34	51.22	27.68	0.2573	0.482	0.2605	158.5	19 496	42 612	
9 450	34 574	26.46	51.5	21.43	0.2662	0.5181	0.2156	148.5	20 501	-1 501c	
12 460	35 575	24.99	51.11	14.02	0.2773	0.567	0.1555	136.8	21 508	-1 508c	
13 465	35 575	25.08	51.41	11.68	0.2844	0.583	0.1325	132.8	22 512	-1 512c	
13 470	35 576	25.78	52.07	11.68	0.2879	0.5815	0.1305	132.5	22 513	-1 513c	Gm
14 475	35 577	26.59	52.94	9.63	0.2982	0.5937	0.108	128.7	23 519	-1 519c	
16 480	35 579	28.02	54.11	6.49	0.3162	0.6105	0.0732	122.8	26 533	-1 533c	
17 485	36 582	30.53	55.92	5.36	0.3325	0.609	0.0584	119.6	28 540	-1 540c	
18 490	37 588	36.19	59.84	4.46	0.3601	0.5954	0.0444	114.9	29 548	-1 548c	
19 495	40 601	49.98	67.85	3.74	0.411	0.558	0.0308	103.5	31 559	-1 559c	
20 500	-1 500c	94.21	86.26	3.16	0.513	0.4697	0.0172	43.5	35 576	13 469	max
21 510	-1 509c	94.19	85.08	2.68	0.5176	0.4675	0.0147	40.5	35 576	14 472	
24 520	-1 520c	93.75	79.47	1.85	0.5355	0.4539	0.0105	27.8	35 579	16 480	Ym
26 530	-1 530c	92.69	74.02	1.58	0.5507	0.4398	0.0094	17.4	36 582	16 484	
28 540	-1 540c	90.67	67.47	1.44	0.5681	0.4227	0.009	7.2	37 585	17 487	
28 545	-1 544c	90.67	67.47	1.44	0.5681	0.4227	0.009	7.2	37 585	17 487	
29 550	-1 549c	89.22	63.86	1.4	0.5775	0.4134	0.009	2.6	37 586	17 489	
31 555	-1 555c	85.25	56.16	1.35	0.5971	0.3933	0.0094	354.6	38 590	18 491	
32 560	-1 560c	82.65	52.14	1.34	0.6071	0.383	0.0098	351.3	38 593	18 492	
34 574	1 405	81.86	48.96	3.81	0.6079	0.3636	0.0283	344.7	39 599	18 494	Rm
34 574	6 435	82.5	48.77	7.9	0.5927	0.3504	0.0567	338.5	42 612	19 496	
34 574	9 450	83.38	48.49	14.15	0.5709	0.332	0.0969	328.6	-1 501c	20 501	
35 575	12 460	84.85	48.88	21.55	0.5463	0.3147	0.1388	316.8	-1 508c	21 508	
35 575	13 465	84.76	48.58	23.89	0.539	0.3089	0.1519	312.9	-1 512c	22 512	
35 576	13 470	84.06	47.92	23.89	0.5392	0.3074	0.1532	312.5	-1 513c	22 513	Mm
35 577	14 475	83.25	47.05	25.94	0.5328	0.3011	0.166	308.7	-1 519c	23 519	
35 579	16 480	81.82	45.88	29.09	0.5218	0.2926	0.1855	302.9	-1 533c	26 533	
36 582	17 485	79.31	44.07	30.21	0.5163	0.2869	0.1967	299.7	-1 540c	28 540	
37 588	18 490	73.65	40.15	31.11	0.5081	0.277	0.2147	294.9	-1 548c	29 548	
40 601	19 495	59.86	32.14	31.83	0.4833	0.2595	0.257	283.6	-1 559c	31 559	
-1 500c	20 500	15.63	13.73	32.41	0.253	0.2222	0.5246	223.5	13 469	35 576	min
-1 509c	21 510	15.64	14.91	32.89	0.2466	0.235	0.5183	220.6	14 472	35 576	
-1 520c	24 520	16.09	20.52	33.72	0.2287	0.2918	0.4794	207.8	16 480	35 579	Bm
-1 530c	26 530	17.15	25.97	33.99	0.2224	0.3367	0.4407	197.4	16 484	36 582	
-1 540c	28 540	19.17	32.52	34.14	0.2233	0.3789	0.3977	187.2	17 487	37 585	
-1 544c	28 545	19.17	32.52	34.14	0.2233	0.3789	0.3977	187.2	17 487	37 585	
-1 549c	29 550	20.62	36.13	34.18	0.2267	0.3973	0.3758	182.6	17 489	37 586	
-1 555c	31 555	24.59	43.83	34.22	0.2395	0.4269	0.3334	174.6	18 491	38 590	
-1 560c	32 560	27.19	47.85	34.24	0.2488	0.4378	0.3133	171.2	18 492	38 593	
W0 380	770	109.84	99.99	35.58	0.4475	0.4074	0.1449	0.0			
N0 380	770	4.39	3.99	1.42	0.4475	0.4074	0.1449	0.0			

CEX00-7N

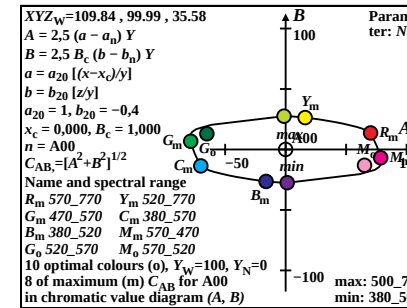
TUB-test chart CEX0; Hue circle of the Ostwald optimal colours with Y values, $Y_N=0,0$, $Y_W=100$
Ostwald optimal colour data: XYZ and eight different colour diagrams, A00-02



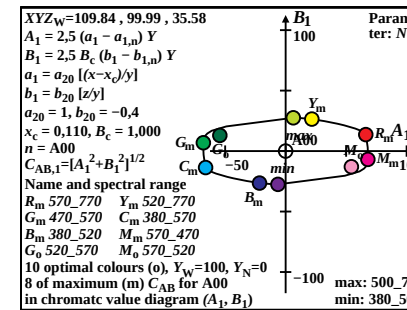
CEX01-1N



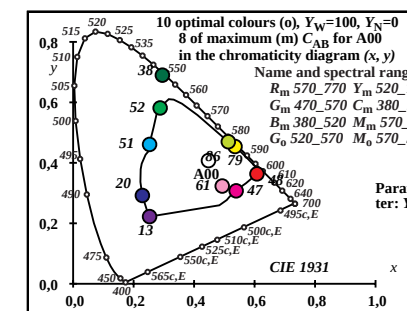
CEX01-3N



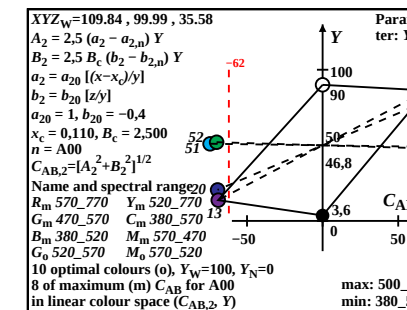
CEX01-5N



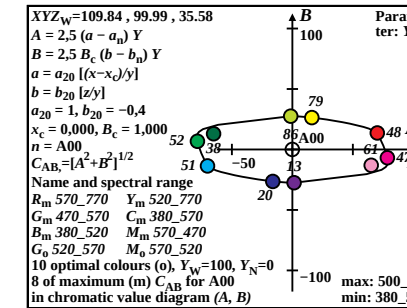
CEX01-7N



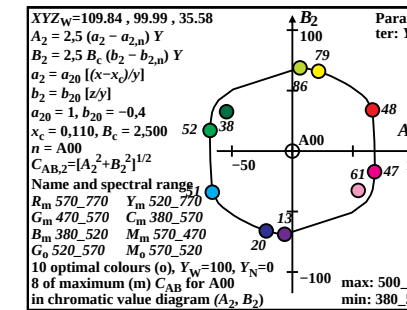
CEX01-2N



CEX01-4N



CEX01-6N



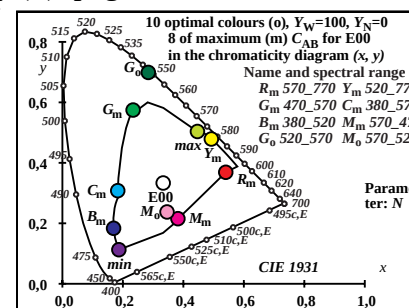
CEX01-8N

Ostwald optimal colours (o), maximum (m) C_{AB} for E00, $Y_N=0$, $Y_W=100$, $Y_m=520_770$

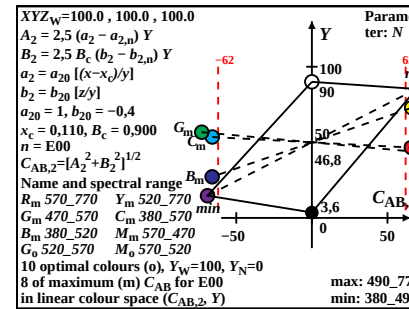
i_1, λ_1	i_2, λ_2	X	Y	Z	x	y	z	h_{xy}	i_d, λ_d	i_c, λ_c	Code
1 405	32 564	31.84	53.49	88.52	0.1831	0.3077	0.5091	189.6	16 484	38 592	Cm
6 435	33 565	28.26	53.39	70.9	0.1852	0.3499	0.4647	173.5	17 488	45 625	
10 450	33 566	23.66	54.0	42.66	0.1966	0.4487	0.3545	139.7	19 498	-1 498c	
12 460	33 568	22.46	54.91	29.3	0.2105	0.5147	0.2747	124.0	21 507	-1 507c	
13 465	33 569	22.55	55.83	23.62	0.2211	0.5473	0.2315	117.6	22 514	-1 514c	
14 470	34 571	23.04	56.68	18.91	0.2335	0.5746	0.1917	112.4	24 522	-1 522c	Gm
14 475	35 575	25.29	59.12	18.91	0.2447	0.5721	0.183	110.3	25 525	-1 525c	
16 480	36 581	29.33	62.44	12.28	0.2818	0.6	0.118	100.8	27 538	-1 538c	
17 485	39 595	40.01	69.67	10.11	0.334	0.5815	0.0844	89.8	29 549	-1 549c	
18 490	-1 490c	75.61	85.28	8.47	0.4464	0.5035	0.05	56.3	33 568	11 459	max
19 495	-1 495c	75.57	84.1	7.2	0.4528	0.5039	0.0431	54.9	33 568	12 461	
19 500	-1 499c	75.57	84.1	7.2	0.4528	0.5039	0.0431	54.9	33 568	12 461	
22 510	-1 510c	75.45	78.54	4.93	0.4747	0.4942	0.031	48.6	34 571	13 469	
24 520	-1 520c	74.91	72.84	4.27	0.4927	0.4791	0.0281	42.4	34 574	14 473	Ym
26 530	-1 530c	73.57	65.9	3.92	0.513	0.4595	0.0273	35.0	35 577	15 477	
28 540	-1 540c	71.21	58.21	3.75	0.5346	0.437	0.0282	27.2	36 581	15 479	
29 545	-1 545c	69.61	54.22	3.71	0.5457	0.4251	0.0291	23.3	36 583	16 480	
29 550	-1 549c	69.61	54.22	3.71	0.5457	0.4251	0.0291	23.3	36 583	16 480	
30 555	-1 554c	67.7	50.19	3.68	0.5568	0.4128	0.0303	19.5	37 585	16 482	
32 560	-1 560c	62.89	42.16	3.65	0.5785	0.3879	0.0335	12.5	38 590	16 483	
32 564	1 405	68.15	46.5	11.48	0.5403	0.3686	0.091	9.6	38 592	16 484	Rm
33 565	6 435	71.73	46.6	29.09	0.4865	0.316	0.1973	353.5	45 625	17 488	
33 566	10 450	76.33	45.99	57.33	0.4248	0.2559	0.3191	319.8	-1 498c	19 498	
33 568	12 460	77.54	45.08	70.69	0.4011	0.2332	0.3656	304.1	-1 507c	21 507	
33 569	13 465	77.44	44.16	76.38	0.3911	0.223	0.3857	297.7	-1 514c	22 514	
34 571	14 470	76.96	43.31	81.08	0.3821	0.2151	0.4026	292.4	-1 522c	24 522	Mm
35 575	14 475	74.7	40.87	81.08	0.3798	0.2078	0.4122	290.3	-1 525c	25 525	
36 581	16 480	70.66	37.55	87.71	0.3606	0.1916	0.4476	280.9	-1 538c	27 538	
39 595	17 485	59.98	30.32	89.88	0.3328	0.1683	0.4988	269.8	-1 549c	29 549	
-1 490c	18 490	24.39	14.71	91.53	0.1867	0.1126	0.7006	236.4	11 459	33 568	min
-1 495c	19 495	24.42	15.89	92.79	0.1835	0.1193	0.697	235.0	12 461	33 568	
-1 499c	19 500	24.42	15.89	92.79	0.1835	0.1193	0.697	235.0	12 461	33 568	
-1 510c	22 510	24.54	21.45	95.06	0.1739	0.152	0.6739	228.6	13 469	34 571	
-1 520c	24 520	25.08	27.15	95.72	0.1695	0.1835	0.6469	222.4	14 473	34 574	Bm
-1 530c	26 530	26.42	34.09	96.07	0.1687	0.2177	0.6135	215.1	15 477	35 577	
-1 540c	28 540	28.78	41.78	96.24	0.1725	0.2504	0.5769	207.2	15 479	36 581	
-1 545c	29 545	30.38	45.77	96.28	0.1762	0.2654	0.5583	203.3	16 480	36 583	
-1 549c	29 550	30.38	45.77	96.28	0.1762	0.2654	0.5583	203.3	16 480	36 583	
-1 554c	30 555	32.3	49.8	96.31	0.181	0.2791	0.5398	199.5	16 482	37 585	
-1 560c	32 560	37.11	57.83	96.34	0.194	0.3023	0.5036	192.5	16 483	38 590	
W0 380	770	100.0	100.0	100.0	0.3333	0.3333	0.3333	0.0			
N0 380	770	4.0	4.0	4.0	0.3333	0.3333	0.3333	0.0			

CEX00-7N

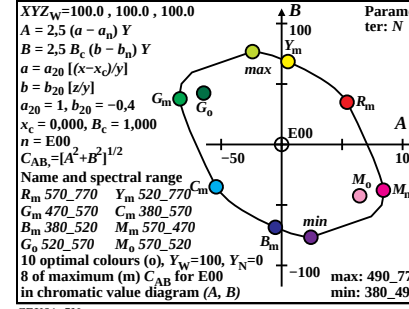
TUB-test chart CEX0; Hue circle of the Ostwald optimal colours with Y values, $Y_N=0,0$, $Y_W=100$
Ostwald optimal colour data: XYZ and eight different colour diagrams, E00-02



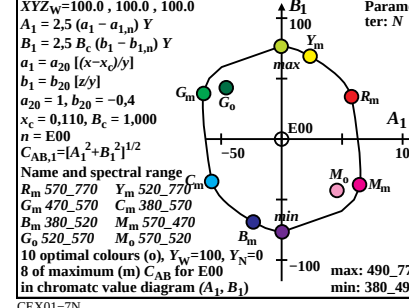
CEX01-1N



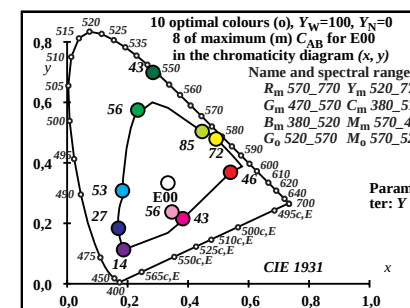
CEX01-3N



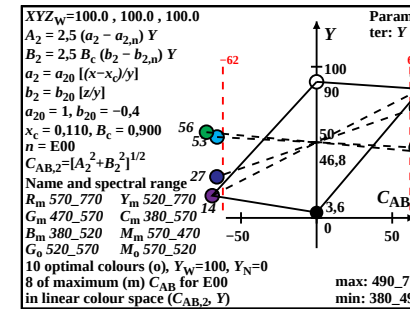
CEX01-5N



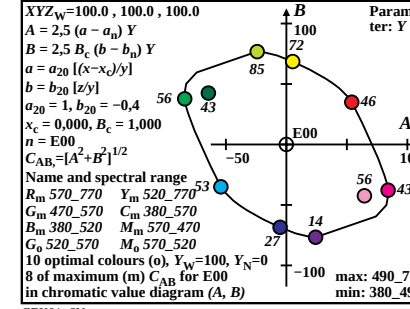
CEX01-7N



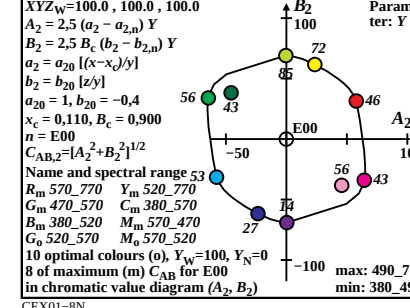
CEX01-2N



CEX01-4N



CEX01-6N



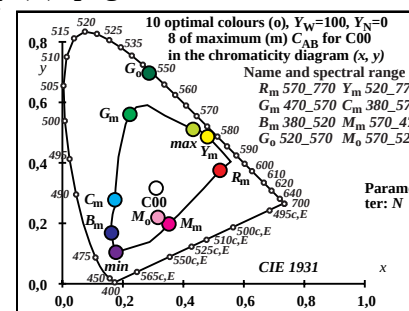
CEX01-8N

Ostwald optimal colours (o), maximum (m) C_{AB} for C00, $Y_N=0$, $Y_W=100$, $Y_m=520_770$

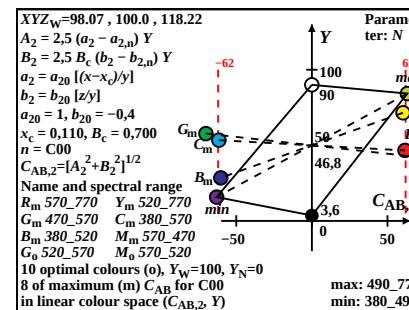
i_1, λ_1	i_2, λ_2	X	Y	Z	x	y	z	h_{xy}	i_d, λ_d	i_c, λ_c	Code
1 405	32 562	33.31	53.39	105.37	0.1734	0.2779	0.5485	195.6	16 482	37 589	Cm
6 435	32 563	30.01	54.08	86.45	0.1759	0.3171	0.5069	179.5	17 486	42 612	
10 450	32 564	24.28	54.92	51.75	0.1854	0.4194	0.3951	140.3	19 496	-1 496c	
11 460	33 566	23.64	55.77	43.21	0.1927	0.4548	0.3523	130.1	20 501	-1 501c	
13 465	33 568	22.4	56.56	28.17	0.2091	0.5279	0.2629	115.4	22 513	-1 513c	
14 470	34 570	22.98	57.79	22.31	0.2229	0.5605	0.2164	109.5	24 522	-1 522c	Gm
15 475	35 575	25.24	60.29	17.65	0.2446	0.5842	0.171	103.6	26 530	-1 530c	
16 480	36 582	30.95	65.05	14.08	0.2811	0.5908	0.1279	95.9	28 540	-1 540c	
16 485	40 602	45.67	74.9	14.1	0.3391	0.5561	0.1047	83.0	30 551	-1 551c	
18 490	-1 490c	71.26	84.24	9.45	0.432	0.5106	0.0573	57.8	33 566	11 459	max
19 495	-1 495c	71.22	82.89	7.99	0.4393	0.5113	0.0493	56.4	33 567	12 462	
19 500	-1 499c	71.22	82.89	7.99	0.4393	0.5113	0.0493	56.4	33 567	12 462	
21 510	-1 509c	71.17	79.34	6.12	0.4543	0.5065	0.0391	52.8	33 568	13 466	
24 520	-1 520c	70.57	71.51	4.93	0.48	0.4864	0.0335	45.0	34 572	14 472	Ym
26 530	-1 530c	69.24	64.67	4.59	0.4999	0.4669	0.0331	38.4	35 575	15 475	
28 540	-1 540c	66.82	56.8	4.41	0.5219	0.4435	0.0345	31.0	35 579	15 478	
28 545	-1 544c	66.82	56.8	4.41	0.5219	0.4435	0.0345	31.0	35 579	15 478	
29 550	-1 549c	65.14	52.6	4.37	0.5334	0.4307	0.0358	27.1	36 581	15 479	
31 555	-1 555c	60.75	44.07	4.32	0.5566	0.4037	0.0395	19.5	37 586	16 481	
31 560	-1 559c	60.75	44.07	4.32	0.5566	0.4037	0.0395	19.5	37 586	16 481	
32 562	1 405	64.75	46.6	12.85	0.5213	0.3752	0.1034	15.6	37 589	16 482	Rm
32 563	6 435	68.06	45.91	31.76	0.467	0.315	0.2179	359.5	42 612	17 486	
32 564	10 450	73.78	45.07	66.47	0.3981	0.2431	0.3586	320.3	-1 496c	19 496	
33 566	11 460	74.42	44.22	75.0	0.3843	0.2283	0.3873	310.2	-1 501c	20 501	
33 568	13 465	75.66	43.43	90.05	0.3617	0.2076	0.4305	295.5	-1 513c	22 513	
34 570	14 470	75.08	42.2	95.9	0.3521	0.1979	0.4498	289.6	-1 522c	24 522	Mm
35 575	15 475	72.82	39.7	100.56	0.3417	0.1863	0.4719	283.7	-1 530c	26 530	
36 582	16 480	67.12	34.94	104.13	0.3255	0.1694	0.505	276.0	-1 540c	28 540	
40 602	16 485	52.39	25.09	104.12	0.2885	0.1381	0.5733	263.1	-1 551c	30 551	
-1 490c	18 490	26.8	15.75	108.77	0.1771	0.1041	0.7187	237.9	11 459	33 566	min
-1 495c	19 495	26.85	17.1	110.22	0.1741	0.1109	0.7148	236.5	12 462	33 567	
-1 499c	19 500	26.85	17.1	110.22	0.1741	0.1109	0.7148	236.5	12 462	33 567	
-1 509c	21 510	26.89	20.65	112.09	0.1684	0.1293	0.7021	232.8	13 466	33 568	
-1 520c	24 520	27.49	28.48	113.29	0.1624	0.1682	0.6693	225.0	14 472	34 572	Bm
-1 530c	26 530	28.82	35.32	113.63	0.1621	0.1986	0.6391	218.4	15 475	35 575	
-1 540c	28 540	31.24	43.19	113.8	0.1659	0.2294	0.6045	211.0	15 478	35 579	
-1 544c	28 545	31.24	43.19	113.8	0.1659	0.2294	0.6045	211.0	15 478	35 579	
-1 549c	29 550	32.92	47.39	113.85	0.1695	0.244	0.5863	207.1	15 479	36 581	
-1 555c	31 555	37.31	55.92	113.9	0.1801	0.2699	0.5498	199.5	16 481	37 586	
-1 559c	31 560	37.31	55.92	113.9	0.1801	0.2699	0.5498	199.5	16 481	37 586	
W0 380	770	98.07	100.0	118.22	0.31	0.3161	0.3737	0.0			
N0 380	770	3.92	4.0	4.72	0.31	0.3161	0.3737	0.0			

CEX00-7N

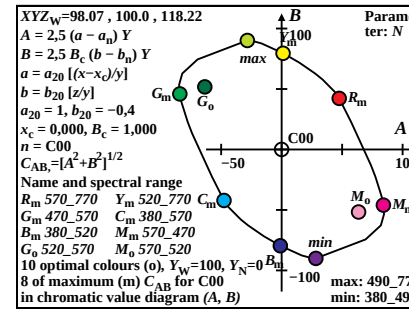
TUB-test chart CEX0; Hue circle of the Ostwald optimal colours with Y values, $Y_N=0,0$, $Y_W=100$
Ostwald optimal colour data: XYZ and eight different colour diagrams, C00-02



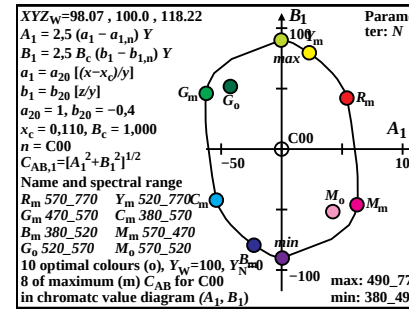
CEX01-1N



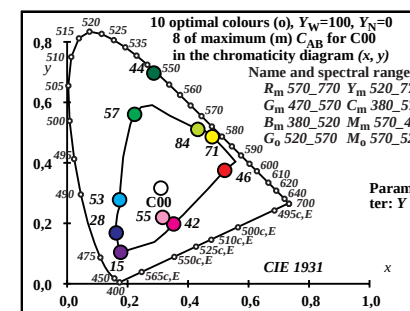
CEX01-3N



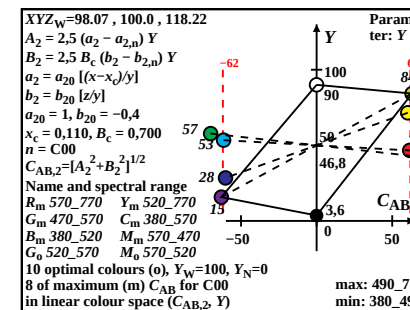
CEX01-5N



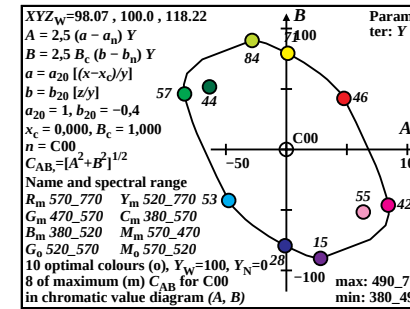
CEX01-7N



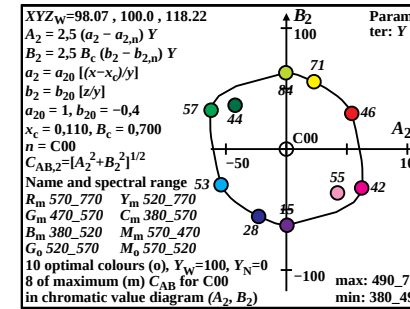
CEX01-2N



CEX01-4N



CEX01-6N



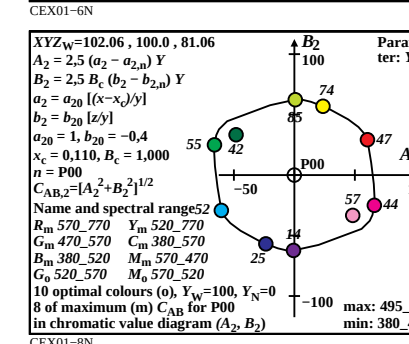
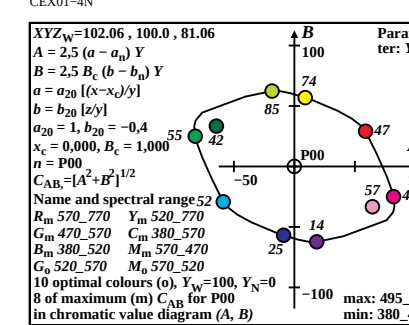
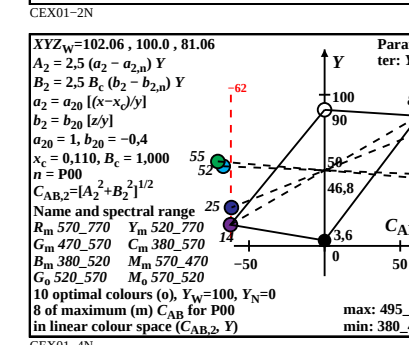
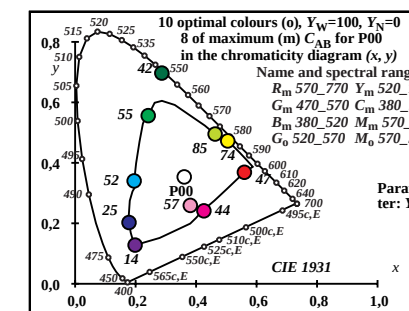
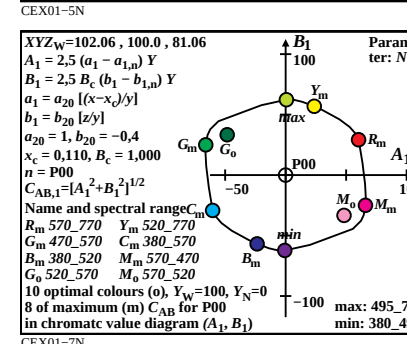
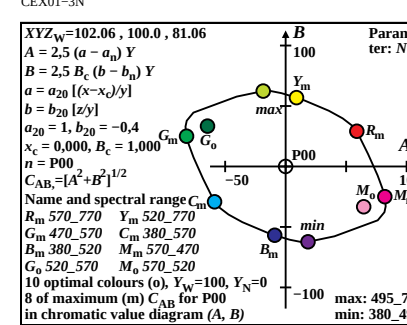
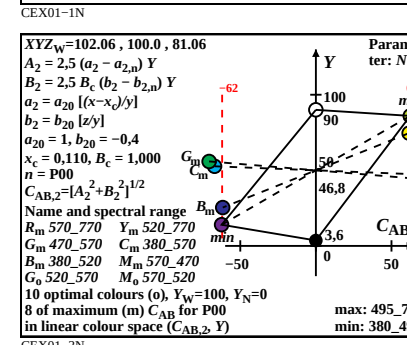
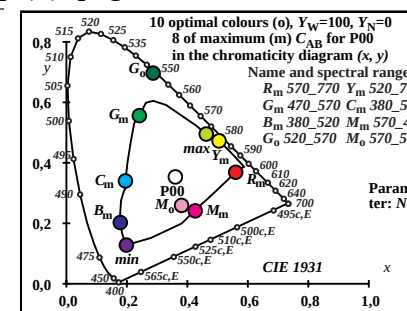
CEX01-8N

Ostwald optimal colours (o), maximum (m) C_{AB} for P00, $Y_N=0$, $Y_W=100$, $Y_m=520\text{--}770$

i_1, λ_1	i_2, λ_2	X	Y	Z	x	y	z	h_{xy}	i_d, λ_d	i_c, λ_c	Code
1 405	33 567	30.23	52.67	71.87	0.1953	0.3402	0.4643	184.4	17 486	38 594	Cm
7 435	33 567	26.81	53.01	53.14	0.2016	0.3986	0.3996	164.0	18 491	-1 491c	
10 450	33 568	24.24	53.57	36.03	0.2129	0.4705	0.3164	141.4	19 499	-1 499c	
12 460	34 570	22.73	53.69	25.06	0.2239	0.529	0.2469	127.8	21 507	-1 507c	
13 465	34 571	22.87	54.38	20.32	0.2344	0.5573	0.2082	121.6	22 513	-1 513c	Gm
13 470	34 572	24.26	55.89	20.32	0.2414	0.5562	0.2022	120.3	23 515	-1 515c	Gm
15 475	35 575	25.01	56.94	13.16	0.2629	0.5986	0.1383	111.6	25 529	-1 529c	
16 480	36 580	28.39	59.85	10.68	0.2869	0.605	0.1079	106.2	27 537	-1 537c	
17 485	37 589	36.65	65.78	8.79	0.3295	0.5914	0.079	97.3	29 547	-1 547c	
18 490	45 625	65.84	80.35	7.35	0.4288	0.5232	0.0478	68.0	32 564	-1 564c	
18 495	-1 494c	80.37	85.99	7.35	0.4626	0.495	0.0423	54.2	34 570	12 460	max
20 500	-1 500c	80.32	83.62	5.35	0.4744	0.4939	0.0316	50.9	34 571	13 465	
22 510	-1 510c	80.23	79.9	4.17	0.4882	0.4862	0.0254	46.1	34 573	14 470	
24 520	-1 520c	79.73	74.6	3.56	0.5049	0.4724	0.0225	39.5	35 575	14 474	Ym
25 530	-1 529c	79.2	71.45	3.37	0.5141	0.4638	0.0219	35.7	35 577	15 476	
28 540	-1 540c	76.18	60.63	3.07	0.5445	0.4334	0.022	23.5	36 582	16 481	
28 545	-1 544c	76.18	60.63	3.07	0.5445	0.4334	0.022	23.5	36 582	16 481	
30 550	-1 550c	72.72	52.75	3.0	0.566	0.4105	0.0233	15.5	37 586	16 483	
30 555	-1 554c	72.72	52.75	3.0	0.566	0.4105	0.0233	15.5	37 586	16 483	
32 560	-1 560c	67.91	44.73	2.97	0.5874	0.3868	0.0257	8.4	38 591	17 485	
33 567	1 405	71.83	47.32	9.18	0.5596	0.3687	0.0715	4.4	38 594	17 486	Rm
33 567	7 435	75.24	46.98	27.91	0.5011	0.3129	0.1859	344.0	-1 491c	18 491	
33 568	10 450	77.81	46.42	45.02	0.4597	0.2742	0.266	321.5	-1 499c	19 499	
34 570	12 460	79.33	46.3	55.99	0.4367	0.2549	0.3082	307.8	-1 507c	21 507	
34 571	13 465	79.19	45.61	60.74	0.4268	0.2458	0.3273	301.7	-1 513c	22 513	
34 572	13 470	77.8	44.1	60.73	0.4259	0.2414	0.3325	300.4	-1 515c	23 515	Mm
35 575	15 475	77.05	43.05	67.89	0.4098	0.2289	0.3611	291.7	-1 529c	25 529	
36 580	16 480	73.67	40.14	70.37	0.3999	0.2179	0.382	286.3	-1 537c	27 537	
37 589	17 485	65.4	34.21	72.26	0.3805	0.199	0.4204	277.4	-1 547c	29 547	
45 625	18 490	36.21	19.64	73.7	0.2795	0.1516	0.5688	248.1	-1 564c	32 564	
-1 494c	18 495	21.69	14.0	73.7	0.1982	0.1279	0.6737	234.2	12 460	34 570	min
-1 500c	20 500	21.74	16.37	75.7	0.191	0.1438	0.6651	231.0	13 465	34 571	
-1 510c	22 510	21.83	20.09	76.88	0.1837	0.1691	0.6471	226.1	14 470	34 573	
-1 520c	24 520	22.33	25.39	77.49	0.1783	0.2027	0.6188	219.5	14 474	35 575	
-1 529c	25 530	22.85	28.54	77.68	0.177	0.2211	0.6018	215.7	15 476	35 577	
-1 540c	28 540	25.88	39.36	77.98	0.1807	0.2748	0.5444	203.5	16 481	36 582	
-1 544c	28 545	25.88	39.36	77.98	0.1807	0.2748	0.5444	203.5	16 481	36 582	
-1 550c	30 550	29.33	47.24	78.05	0.1897	0.3055	0.5047	195.6	16 483	37 586	
-1 554c	30 555	29.33	47.24	78.05	0.1897	0.3055	0.5047	195.6	16 483	37 586	
-1 560c	32 560	34.14	55.26	78.08	0.2038	0.3299	0.4661	188.4	17 485	38 591	
W0	380 770	102.06	100.0	81.06	0.3604	0.3531	0.2863	0.0			
N0	380 770	4.08	4.0	3.24	0.3604	0.3531	0.2863	0.0			

CEX00-7N

TUB-test chart CEX0; Hue circle of the Ostwald optimal colours with Y values, $Y_N=0,0$, $Y_W=100$
Ostwald optimal colour data: XYZ and eight different colour diagrams, P00-02



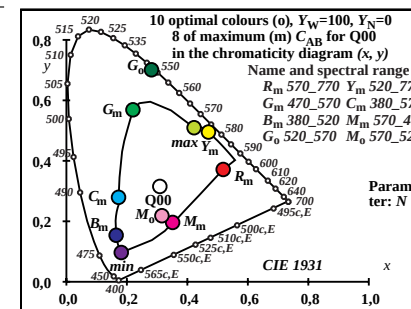
CEX01-8N

Ostwald optimal colours (o), maximum (m) C_{AB} for Q00, $Y_N=0$, $Y_W=100$, $Y_m=520\ 770$

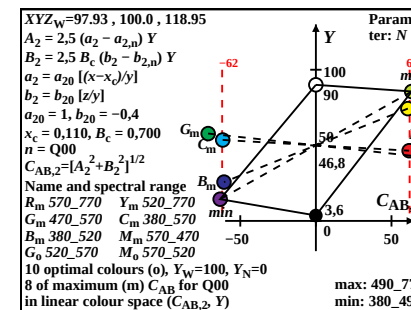
i_1, λ_1	i_2, λ_2	X	Y	Z	x	y	z	h_{xy}	i_d, λ_d	i_c, λ_c	Code
1 405	32 562	33.12	53.55	105.16	0.1726	0.2791	0.5481	194.9	16 482	38 590	Cm
7 435	32 562	27.52	54.09	75.04	0.1756	0.3452	0.479	167.4	17 488	-1 488c	
10 450	32 564	23.54	54.98	49.3	0.1841	0.4301	0.3857	137.4	19 497	-1 497c	
11 460	33 566	22.93	55.81	41.14	0.1912	0.4655	0.3431	128.1	20 502	-1 502c	
12 465	33 568	22.83	56.97	33.55	0.2014	0.5025	0.2959	119.8	21 508	-1 508c	Gm
14 470	34 570	22.37	57.8	21.47	0.2201	0.5686	0.2112	109.3	24 522	-1 522c	Gm
15 475	35 575	24.6	60.27	17.17	0.2411	0.5906	0.1682	103.8	26 530	-1 530c	
16 480	36 582	30.32	65.07	13.89	0.2774	0.5954	0.1271	96.4	27 539	-1 539c	
17 485	40 602	45.41	74.39	11.43	0.346	0.5668	0.0871	81.6	30 552	-1 552c	
17 490	-1 489c	70.95	85.62	11.44	0.4222	0.5096	0.0681	59.7	33 565	11 455	max
18 495	-1 494c	70.84	84.56	9.58	0.4293	0.5125	0.0581	58.5	33 565	11 458	
20 500	-1 500c	70.78	81.63	7.1	0.4437	0.5117	0.0445	55.5	33 567	12 463	
21 510	-1 509c	70.75	79.62	6.28	0.4516	0.5082	0.04	53.4	33 568	13 465	
23 520	-1 519c	70.47	74.31	5.27	0.4696	0.4952	0.0351	48.1	34 571	14 470	Ym
26 530	-1 530c	68.68	63.76	4.61	0.501	0.4652	0.0336	37.9	35 576	15 475	
27 540	-1 539c	67.59	59.83	4.51	0.5123	0.4534	0.0341	34.1	35 578	15 477	
28 545	-1 544c	66.24	55.8	4.44	0.5237	0.4411	0.0351	30.3	36 580	15 478	
29 550	-1 549c	64.6	51.71	4.39	0.5351	0.4284	0.0364	26.5	36 582	15 479	
30 555	-1 554c	62.66	47.63	4.36	0.5465	0.4153	0.038	22.7	36 584	16 480	
31 560	-1 559c	60.42	43.57	4.34	0.5576	0.4022	0.0401	19.2	37 587	16 481	
32 562	1 405	64.8	46.44	13.78	0.5183	0.3714	0.1102	14.9	38 590	16 482	Rm
32 562	7 435	70.4	45.9	43.9	0.4394	0.2864	0.274	347.4	-1 488c	17 488	
32 564	10 450	74.38	45.01	69.64	0.3934	0.2381	0.3683	317.5	-1 497c	19 497	
33 566	11 460	74.99	44.18	77.8	0.3807	0.2243	0.3949	308.1	-1 502c	20 502	
33 568	12 465	75.09	43.02	85.39	0.369	0.2113	0.4196	299.9	-1 508c	21 508	
34 570	14 470	75.55	42.19	97.47	0.351	0.196	0.4528	289.4	-1 522c	24 522	Mm
35 575	15 475	73.32	39.72	101.77	0.3413	0.1849	0.4737	283.9	-1 530c	26 530	
36 582	16 480	67.6	34.92	105.05	0.3256	0.1682	0.5061	276.4	-1 539c	27 539	
40 602	17 485	52.51	25.6	107.51	0.2829	0.1379	0.5791	261.6	-1 552c	30 552	
-1 489c	17 490	26.98	14.37	107.51	0.1812	0.0965	0.7221	239.7	11 455	33 565	min
-1 494c	18 495	27.08	15.43	109.36	0.1783	0.1015	0.72	238.6	11 458	33 565	
-1 500c	20 500	27.14	18.36	111.85	0.1725	0.1167	0.7107	235.5	12 463	33 567	
-1 509c	21 510	27.17	20.37	112.67	0.1696	0.1271	0.7032	233.5	13 465	33 568	
-1 519c	23 520	27.45	25.68	113.68	0.1646	0.1539	0.6814	228.2	14 470	34 571	Bm
-1 530c	26 530	29.24	36.23	114.33	0.1626	0.2014	0.6358	217.9	15 475	35 576	
-1 539c	27 540	30.33	40.16	114.44	0.164	0.2171	0.6188	214.1	15 477	35 578	
-1 544c	28 545	31.68	44.19	114.51	0.1664	0.2321	0.6014	210.3	15 478	36 580	
-1 549c	29 550	33.32	48.28	114.56	0.1698	0.2461	0.5839	206.5	15 479	36 582	
-1 554c	30 555	35.26	52.36	114.58	0.1743	0.2589	0.5666	202.8	16 480	36 584	
-1 559c	31 560	37.51	56.42	114.6	0.1798	0.2705	0.5495	199.2	16 481	37 587	
W0 380	770	97.93	100.0	118.95	0.309	0.3155	0.3753	0.0			
N0 380	770	3.91	4.0	4.75	0.309	0.3155	0.3753	0.0			

CEX00-7N

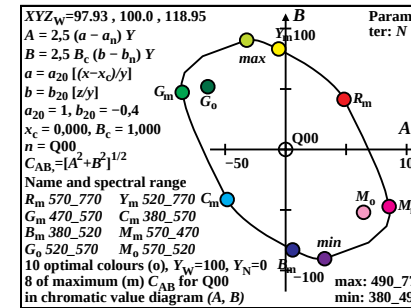
TUB-test chart CEX0; Hue circle of the Ostwald optimal colours with Y values, $Y_N=0,0$, $Y_W=100$
Ostwald optimal colour data: XYZ and eight different colour diagrams, Q00-02



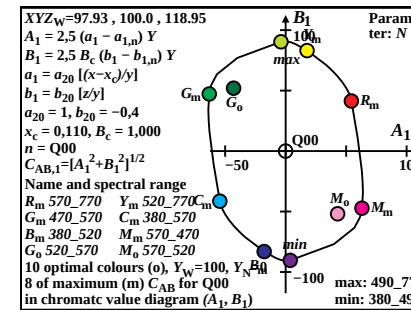
CEX01-1N



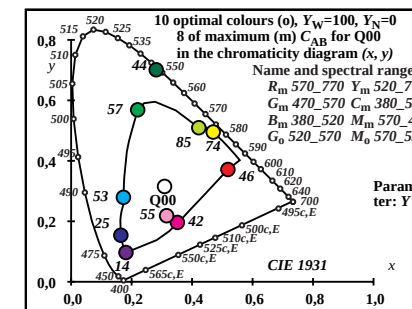
CEX01-3N



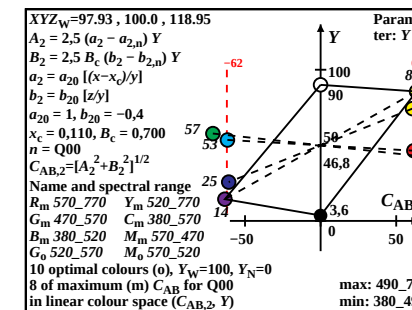
CEX01-5N



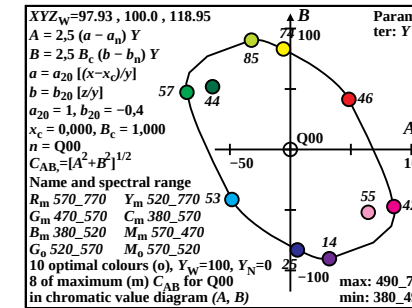
CEX01-7N



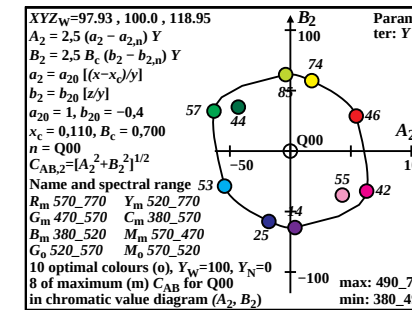
CEX01-2N



CEX01-4N



CEX01-6N



CEX01-8N