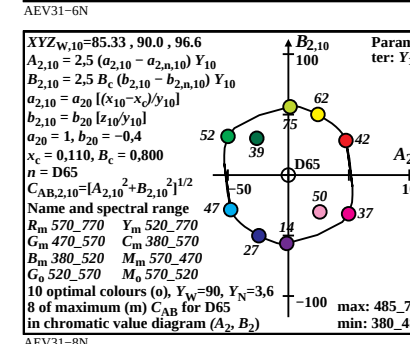
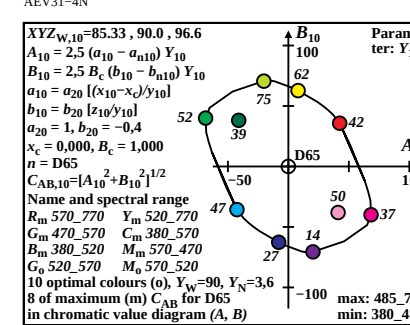
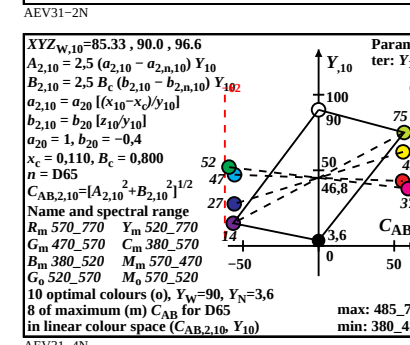
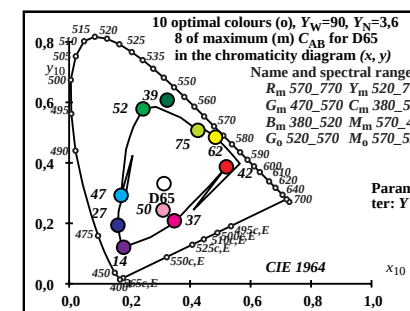
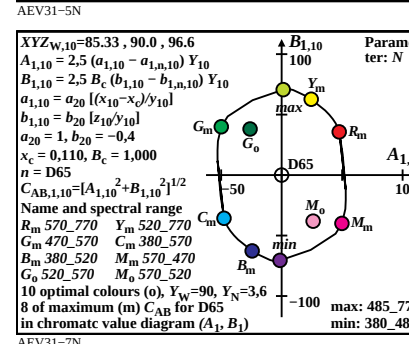
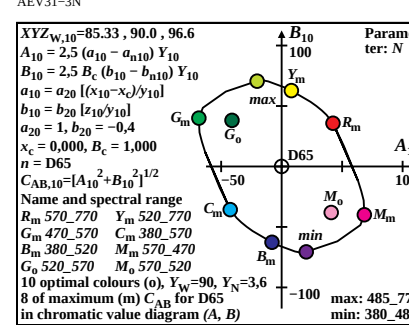
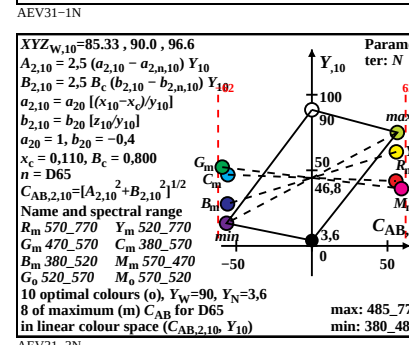
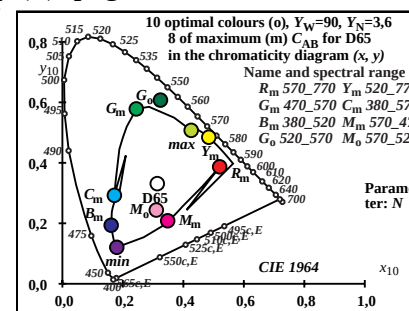


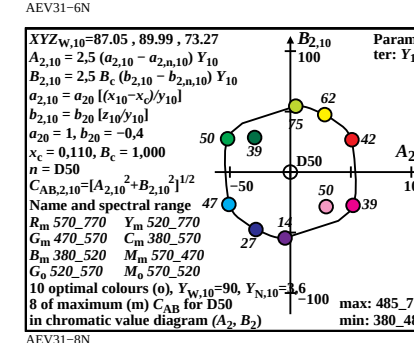
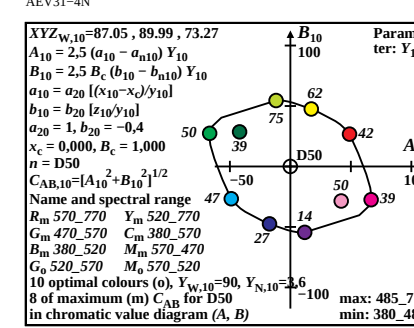
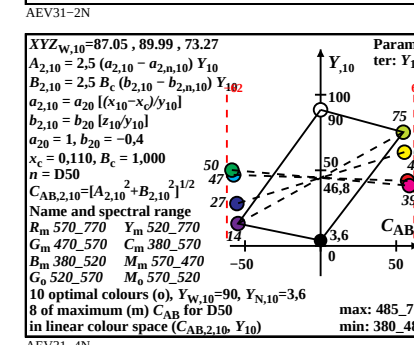
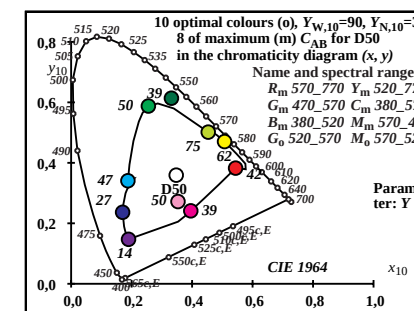
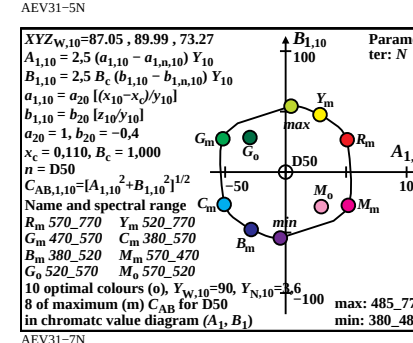
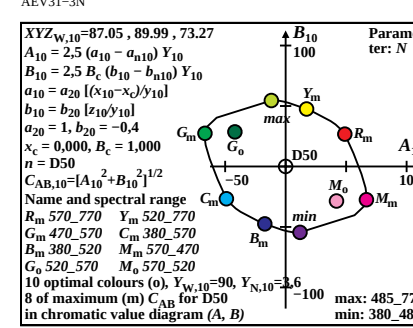
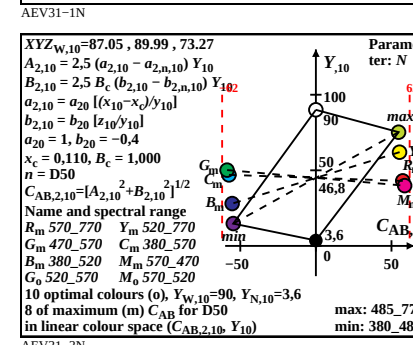
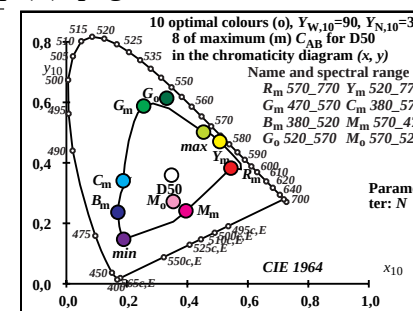
Ostwald optimal colours (o), maximum (m) $C_{AB,10}$ for D65, $Y_N,10=0$, $Y_W,10=90$, $Y_m=520_770$																	
i_1, λ_1	i_2, λ_2	X_{10}	Y_{10}	Z_{10}	x_{10}	y_{10}	z_{10}	$h_{xy,10}$	i_d, λ_d	i_c, λ_c	Code						
0 405	31 556	30.74	52.33	95.9	0.1717	0.2924	0.5358	195.1	15 476	37 585	Cm						
6 435	31 557	27.63	53.26	76.12	0.176	0.3391	0.4847	176.5	16 480	44 621							
10 450	31 559	22.65	53.56	44.06	0.1883	0.4453	0.3662	137.6	18 492	-1 492c							
11 460	32 562	22.68	54.81	36.09	0.1996	0.4825	0.3177	126.9	19 498	-1 498c							
12 465	33 565	22.93	56.0	28.9	0.2126	0.5193	0.268	118.2	21 506	-1 506c							
14 470	34 570	24.46	57.89	17.7	0.2445	0.5785	0.1769	105.6	24 522	-1 522c	Gm						
15 475	35 579	30.89	63.11	13.83	0.2864	0.5852	0.1282	96.1	26 534	-1 534c							
16 480	41 606	49.97	74.33	10.97	0.3693	0.5494	0.0811	75.6	30 550	-1 550c							
16 485	-1 484c	69.99	83.34	10.97	0.4259	0.5072	0.0668	57.5	32 560	10 454	max						
18 490	-1 490c	69.83	80.55	7.49	0.4423	0.5102	0.0474	54.3	32 562	11 459							
19 495	-1 495c	69.81	78.81	6.43	0.4502	0.5082	0.0415	52.4	32 563	12 461							
19 500	-1 499c	69.81	78.81	6.43	0.4502	0.5082	0.0415	52.4	32 563	12 461							
22 510	-1 510c	69.45	71.94	4.73	0.4752	0.4923	0.0324	44.9	33 566	13 466							
23 520	-1 519c	69.08	69.1	4.45	0.4842	0.4844	0.0312	41.9	33 568	13 468	Ym						
26 530	-1 530c	66.62	59.04	4.0	0.5137	0.4553	0.0309	31.8	34 573	14 472							
27 540	-1 539c	65.29	55.35	3.94	0.524	0.4443	0.0316	28.3	35 576	14 473							
28 545	-1 544c	63.68	51.58	3.89	0.5343	0.4328	0.0327	24.7	35 578	14 474							
29 550	-1 549c	61.78	47.76	3.87	0.5447	0.4211	0.0341	21.3	36 580	15 475							
31 555	-1 555c	57.11	40.2	3.86	0.5644	0.3973	0.0381	14.8	37 586	15 476							
32 560	10 451	64.26	38.17	54.04	0.4106	0.2439	0.3453	318.1	-1 491c	18 491							
31 556	0 405	64.07	47.66	11.42	0.5202	0.3869	0.0927	15.1	37 585	15 476	Rm						
31 557	6 435	67.17	46.73	31.21	0.4628	0.322	0.215	356.5	44 621	16 480							
31 559	10 450	72.15	46.43	63.27	0.3967	0.2553	0.3479	317.6	-1 492c	18 492							
32 562	11 460	72.13	45.18	71.24	0.3825	0.2396	0.3778	307.0	-1 498c	19 498							
33 565	12 465	71.88	43.99	78.42	0.3699	0.2264	0.4036	298.2	-1 506c	21 506							
34 570	14 470	70.34	42.1	89.62	0.348	0.2083	0.4435	285.6	-1 522c	24 522	Mm						
35 579	15 475	63.91	36.88	93.5	0.3289	0.1898	0.4812	276.1	-1 534c	26 534							
41 606	16 480	44.83	25.66	96.35	0.2687	0.1537	0.5774	255.7	-1 550c	30 550							
-1 484c	16 485	24.82	16.65	96.35	0.18	0.1208	0.699	237.5	10 454	32 560	min						
-1 490c	18 490	24.98	19.44	99.83	0.1731	0.1348	0.692	234.3	11 459	32 562							
-1 495c	19 495	25.0	21.18	100.89	0.1699	0.144	0.6859	232.4	12 461	32 563							
-1 499c	19 500	25.0	21.18	100.89	0.1699	0.144	0.6859	232.4	12 461	32 563							
-1 510c	22 510	25.36	28.05	102.59	0.1625	0.1798	0.6576	225.0	13 466	33 566							
-1 519c	23 520	25.73	30.89	102.87	0.1613	0.1936	0.6449	222.0	13 468	33 568	Bm						
-1 530c	26 530	28.19	40.95	103.32	0.1634	0.2374	0.599	211.8	14 472	34 573							
-1 539c	27 540	29.52	44.64	103.39	0.1662	0.2514	0.5823	208.3	14 473	35 576							
-1 544c	28 545	31.12	48.41	103.43	0.1701	0.2645	0.5652	204.8	14 474	35 578							
-1 549c	29 550	33.02	52.23	103.45	0.175	0.2767	0.5482	201.3	15 475	36 580							
-1 555c	31 555	37.69	59.79	103.47	0.1875	0.2975	0.5148	194.8	15 476	37 586							
10 451	32 560	30.55	61.82	53.28	0.2097	0.4244	0.3658	138.0	18 491	-1 491c							
W0 380	770	85.33	90.0	96.6	0.3137	0.3309	0.3552	0.0									
N0 380	770	3.41	3.6	3.86	0.3137	0.3309	0.3552	0.0									

TUB-test chart AEV3; Hue circle of the *Ostwald* optimal colours with Y values, $Y_N,10=0,0$, $Y_W,10=90$
Ostwald optimal colour data: XYZ and eight different colour diagrams, D65-10



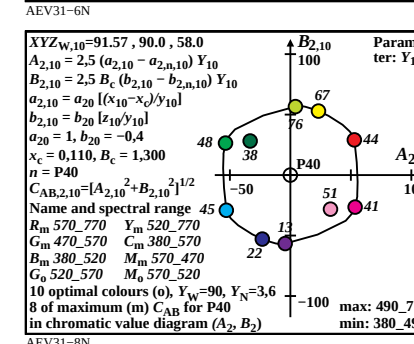
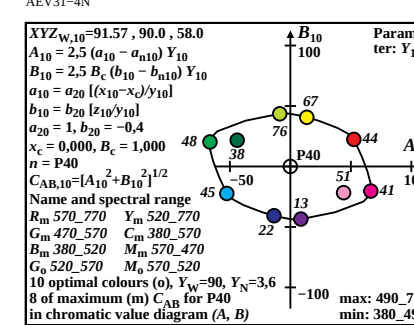
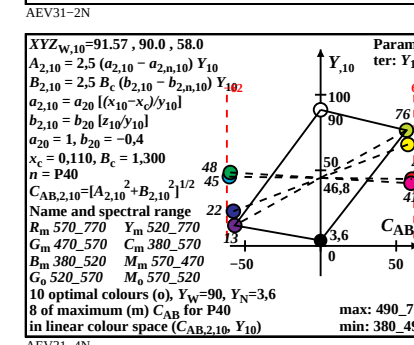
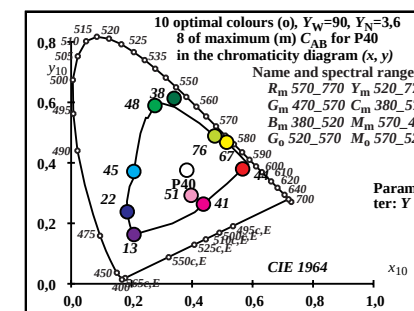
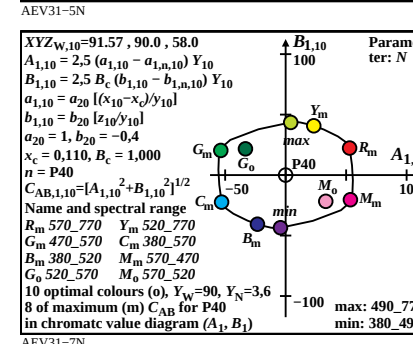
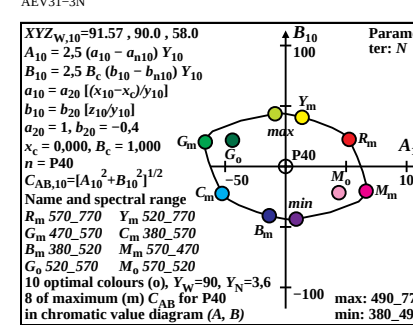
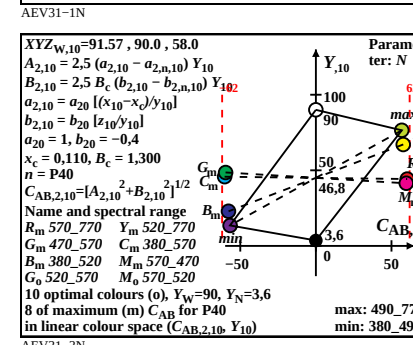
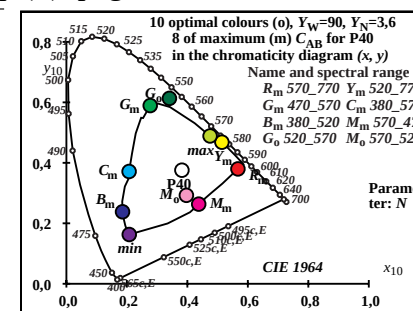
Ostwald optimal colours (o), maximum (m) C _{AB,10} for D50, Y _{N,10} =0, Y _{W,10} =90, Y _m =520_770												
i ₁ , λ ₁	i ₂ , λ ₂	X ₁₀	Y ₁₀	Z ₁₀	x ₁₀	y ₁₀	z ₁₀	h _{xy,10}	i _d , λ _d	i _c , λ _c	Cod	
1 405	31 559	28.77	52.22	72.23	0.1877	0.3408	0.4713	186.6	15 479	37 589	Cm	
7 435	32 561	25.52	52.17	54.58	0.1929	0.3944	0.4126	167.2	16 484	58 693		
10 450	32 562	22.92	52.53	35.78	0.206	0.4722	0.3216	141.4	18 493	-1 493c		
12 460	32 564	22.3	53.42	23.9	0.2238	0.5362	0.2399	125.0	20 503	-1 503c		
13 465	33 566	22.58	54.02	18.94	0.2363	0.5653	0.1982	118.3	22 511	-1 511c		
14 470	34 570	24.23	55.74	14.84	0.2555	0.5878	0.1565	111.9	24 521	-1 521c	Gm	
15 475	35 576	28.45	59.22	11.63	0.2865	0.5963	0.1171	104.4	26 531	-1 531c		
16 480	38 590	38.86	66.38	9.23	0.3394	0.5798	0.0806	92.1	28 543	-1 543c		
17 485	-1 485c	75.6	83.6	7.49	0.4535	0.5015	0.0449	53.2	32 563	11 458	max	
18 490	-1 490c	75.56	82.31	6.23	0.4604	0.5015	0.038	51.5	32 564	12 460		
19 495	-1 495c	75.54	80.77	5.3	0.4674	0.4997	0.0328	49.4	33 565	12 462		
20 500	-1 500c	75.51	78.97	4.61	0.4746	0.4963	0.029	47.1	33 566	12 464		
21 510	-1 509c	75.41	76.89	4.12	0.4821	0.4915	0.0263	44.4	33 567	13 466		
24 520	-1 520c	74.32	68.91	3.31	0.5071	0.4702	0.0225	34.7	34 571	14 471	Ym	
25 530	-1 529c	73.54	65.66	3.17	0.5165	0.4611	0.0222	31.0	34 573	14 473		
28 540	-1 540c	69.61	54.85	2.96	0.5462	0.4304	0.0232	19.6	35 579	15 476		
29 545	-1 545c	67.71	51.04	2.94	0.5563	0.4194	0.0241	16.0	36 581	15 477		
29 550	-1 549c	67.71	51.04	2.94	0.5563	0.4194	0.0241	16.0	36 581	15 477		
31 555	-1 555c	62.98	43.4	2.93	0.5761	0.397	0.0268	9.3	37 587	15 479		
32 560	2 411	60.53	39.71	4.59	0.5773	0.3787	0.0438	4.7	38 591	16 480		
31 559	1 405	67.95	47.77	9.17	0.544	0.3824	0.0734	6.6	37 589	15 479	Rm	
32 561	7 435	71.2	47.82	26.82	0.4881	0.3278	0.1839	347.3	58 693	16 484		
32 562	10 450	73.8	47.46	45.63	0.4422	0.2843	0.2733	321.5	-1 493c	18 493		
32 564	12 460	74.42	46.57	57.5	0.4169	0.2609	0.3221	305.0	-1 503c	20 503		
33 566	13 465	74.13	45.97	62.46	0.406	0.2518	0.3421	298.4	-1 511c	22 511		
34 570	14 470	72.48	44.25	66.56	0.3954	0.2414	0.3631	292.0	-1 521c	24 521	Mm	
35 576	15 475	68.26	40.77	69.77	0.3817	0.228	0.3902	284.5	-1 531c	26 531		
38 590	16 480	57.86	33.61	72.17	0.3535	0.2054	0.441	272.1	-1 543c	28 543		
-1 485c	17 485	21.12	16.39	73.91	0.1895	0.1471	0.6633	233.3	11 458	32 563	min	
-1 490c	18 490	21.15	17.68	75.17	0.1855	0.1551	0.6593	231.5	12 460	32 564		
-1 495c	19 495	21.17	19.22	76.1	0.1817	0.165	0.6532	229.5	12 462	33 565		
-1 500c	20 500	21.21	21.02	76.79	0.1781	0.1766	0.6451	227.1	12 464	33 566		
-1 509c	21 510	21.3	23.1	77.28	0.175	0.1898	0.635	224.5	13 466	33 567		
-1 520c	24 520	22.39	31.08	78.1	0.1702	0.2362	0.5935	214.7	14 471	34 571	Bm	
-1 529c	25 530	23.18	34.33	78.24	0.1707	0.2529	0.5763	211.0	14 473	34 573		
-1 540c	28 540	27.11	45.14	78.44	0.1799	0.2995	0.5205	199.6	15 476	35 579		
-1 545c	29 545	29.01	48.95	78.46	0.1854	0.3129	0.5016	196.0	15 477	36 581		
-1 549c	29 550	29.01	48.95	78.46	0.1854	0.3129	0.5016	196.0	15 477	36 581		
-1 555c	31 555	33.73	56.59	78.48	0.1998	0.3352	0.4648	189.3	15 479	37 587		
2 411	32 560	36.19	60.28	76.81	0.2088	0.3478	0.4432	184.7	16 480	38 591		
W0	380 770	87.05	89.99	73.27	0.3477	0.3595	0.2927	0.0				
N0	380 770	3.48	3.59	2.93	0.3477	0.3595	0.2927	0.0				

TUB-test chart AEV3; Hue circle of the *Ostwald* optimal colours with Y values, $Y_{N,10}=0,0$, $Y_{W,10}=90$
Ostwald optimal colour data: XYZ and eight different colour diagrams, D50-10



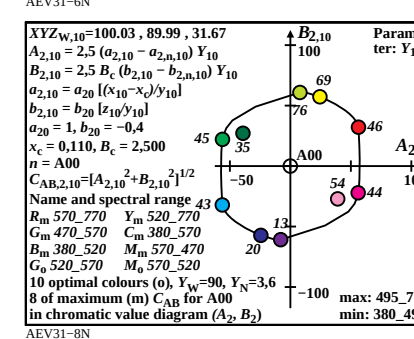
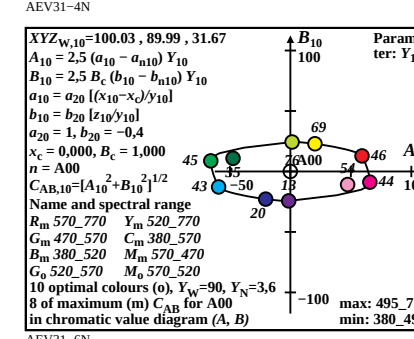
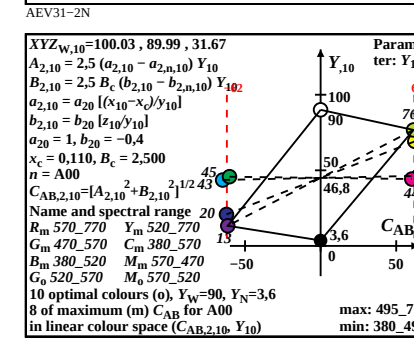
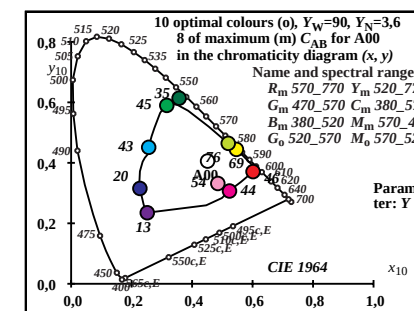
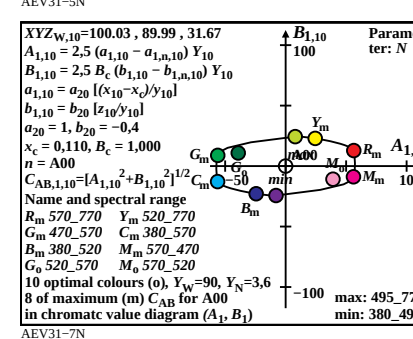
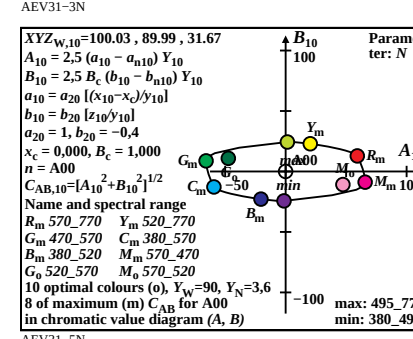
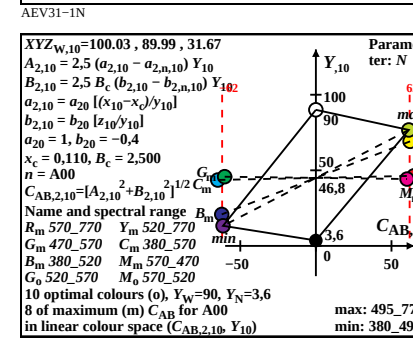
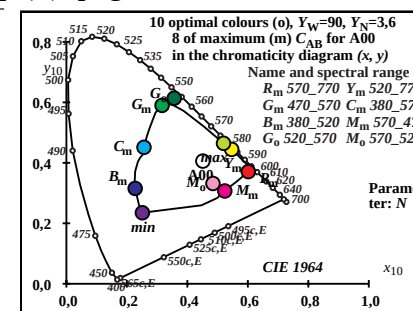
Ostwald optimal colours (o), maximum (m) $C_{AB,10}$ for P40, $Y_N,10=0$, $Y_W,10=90$, $Y_m=520_770$																		
i_1, λ_1	i_2, λ_2	X_{10}	Y_{10}	Z_{10}	x_{10}	y_{10}	z_{10}	$h_{xy,10}$	i_d, λ_d	i_c, λ_c	Code							
0	405	32	563	28.38	50.84	57.63	0.2073	0.3714	0.4211	181.3	16 481	38 591	Cm					
7	435	32	564	25.81	51.21	41.95	0.2169	0.4304	0.3526	161.6	17 487	-1 487c						
10	450	33	565	23.49	50.96	28.01	0.2292	0.4973	0.2733	141.4	19 495	-1 495c						
12	460	33	567	23.28	51.74	19.21	0.247	0.549	0.2039	127.9	21 505	-1 505c						
12	465	33	568	24.59	53.16	19.21	0.2536	0.5482	0.1981	126.6	21 506	-1 506c						
14	470	34	571	25.37	53.98	12.21	0.277	0.5895	0.1334	116.1	24 521	-1 521c	Gm					
15	475	35	576	28.62	56.62	9.69	0.3014	0.5963	0.1021	110.0	26 531	-1 531c						
16	480	37	585	36.42	62.18	7.77	0.3424	0.5845	0.073	100.7	28 541	-1 541c						
17	485	42	611	59.99	75.11	6.32	0.4242	0.531	0.0446	74.8	31 557	-1 557c						
17	490	-1	489c	82.56	84.95	6.32	0.4749	0.4887	0.0363	50.6	33 566	11 458	max					
19	495	-1	495c	82.51	82.52	4.43	0.4868	0.4869	0.0261	46.7	33 568	12 463						
20	500	-1	500c	82.48	80.95	3.84	0.493	0.4839	0.0229	44.3	33 569	13 465						
22	510	-1	510c	82.21	76.99	3.08	0.5065	0.4743	0.019	38.4	34 571	13 469						
23	520	-1	519c	81.9	74.56	2.84	0.514	0.468	0.0178	34.9	34 572	14 471	Ym					
25	530	-1	529c	80.69	68.91	2.54	0.5303	0.4529	0.0167	27.5	35 575	14 474						
28	540	-1	540c	77.0	58.8	2.35	0.5573	0.4256	0.017	15.9	36 581	15 477						
28	545	-1	544c	77.0	58.8	2.35	0.5573	0.4256	0.017	15.9	36 581	15 477						
30	550	-1	550c	73.03	51.42	2.32	0.576	0.4055	0.0183	8.7	37 585	15 479						
31	555	-1	555c	70.52	47.62	2.32	0.5853	0.3953	0.0192	5.5	37 587	16 480						
31	560	-1	559c	70.52	47.62	2.32	0.5853	0.3953	0.0192	5.5	37 587	16 480						
32	563	0	405	73.36	49.15	6.81	0.5672	0.38	0.0526	1.3	38 591	16 481	Rm					
32	564	7	435	75.93	48.78	22.48	0.5158	0.3313	0.1527	341.6	-1 487c	17 487						
33	565	10	450	78.25	49.03	36.43	0.4779	0.2994	0.2225	321.5	-1 495c	19 495						
33	567	12	460	78.46	48.25	45.22	0.4563	0.2806	0.263	307.9	-1 505c	21 505						
33	568	12	465	77.15	46.83	45.22	0.4559	0.2767	0.2672	306.7	-1 506c	21 506						
34	571	14	470	76.37	46.01	52.23	0.4373	0.2635	0.299	296.2	-1 521c	24 521	Mm					
35	576	15	475	73.12	43.37	54.75	0.427	0.2532	0.3197	290.1	-1 531c	26 531						
37	585	16	480	65.32	37.81	56.67	0.4087	0.2366	0.3546	280.8	-1 541c	28 541						
42	611	17	485	41.75	24.88	58.12	0.3346	0.1994	0.4658	254.9	-1 557c	31 557						
-1	489c	17	490	19.19	15.04	58.12	0.2077	0.1629	0.6293	230.6	11 458	33 566	min					
-1	495c	19	495	19.23	17.47	60.0	0.1988	0.1807	0.6204	226.7	12 463	33 568						
-1	500c	20	500	19.26	19.04	60.6	0.1947	0.1925	0.6126	224.3	13 465	33 569						
-1	510c	22	510	19.53	23.0	61.35	0.1879	0.2214	0.5905	218.4	13 469	34 571						
-1	519c	23	520	19.85	25.43	61.59	0.1857	0.2379	0.5763	215.0	14 471	34 572	Bm					
-1	529c	25	530	21.05	31.08	61.9	0.1846	0.2725	0.5427	207.5	14 474	35 575						
-1	540c	28	540	24.74	41.19	62.09	0.1932	0.3217	0.4849	195.9	15 477	36 581						
-1	544c	28	545	24.74	41.19	62.09	0.1932	0.3217	0.4849	195.9	15 477	36 581						
-1	550c	30	550	28.71	48.57	62.12	0.2059	0.3484	0.4456	188.7	15 479	37 585						
-1	555c	31	555	31.22	52.37	62.12	0.2142	0.3593	0.4263	185.5	16 480	37 587						
-1	559c	31	560	31.22	52.37	62.12	0.2142	0.3593	0.4263	185.5	16 480	37 587						
W0	380	770	91.57	90.0	58.0	0.3822	0.3756	0.2421	0.0									
N0	380	770	3.66	3.6	2.32	0.3822	0.3756	0.2421	0.0									

TUB-test chart AEV3; Hue circle of the Ostwald optimal colours with Y values, $Y_N,10=0,0$, $Y_W,10=90$
Ostwald optimal colour data: XYZ and eight different colour diagrams, P40-10



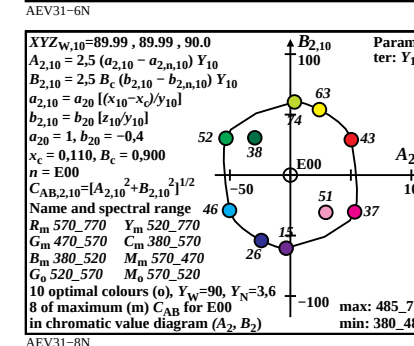
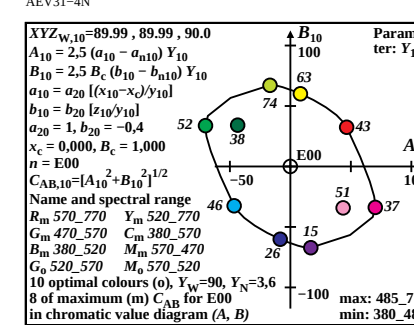
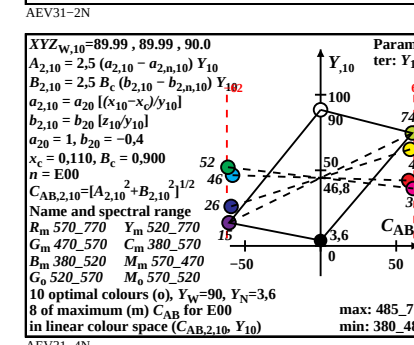
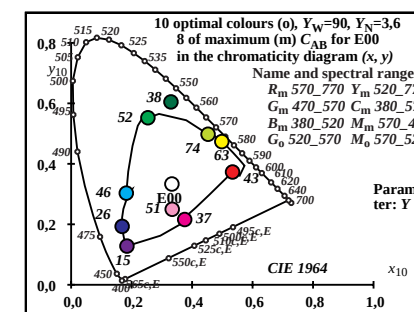
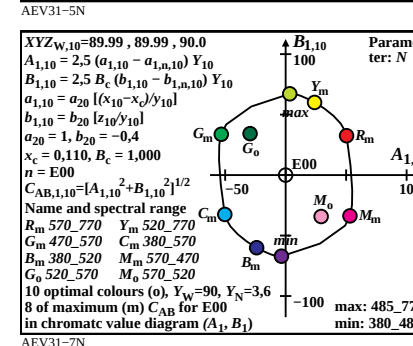
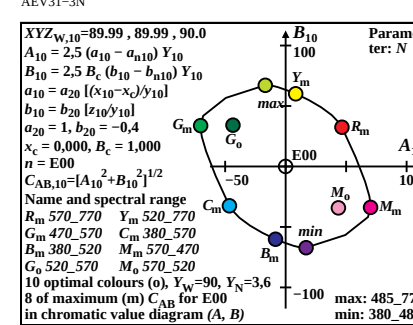
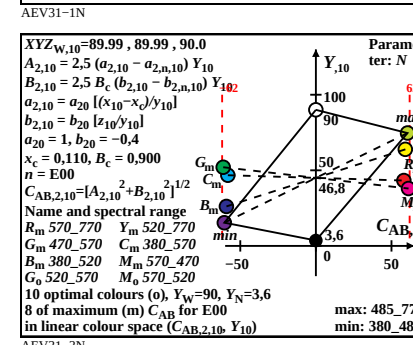
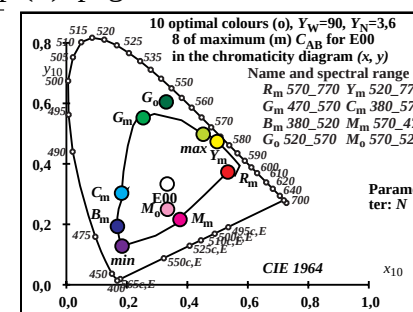
Ostwald optimal colours (o), maximum (m) C _{AB,10} for A00, Y _{N,10} =0, Y _{W,10} =90, Y _m =520_770												
i ₁ , λ ₁	i ₂ , λ ₂	X ₁₀	Y ₁₀	Z ₁₀	x ₁₀	y ₁₀	z ₁₀	h _{xy,10}	i _d , λ _d	i _c , λ _c	Code	
1 405	34 570	27.52	48.47	31.35	0.2563	0.4515	0.2921	166.8	17 487	39 597	Cm	
7 435	34 570	26.55	48.7	24.51	0.2661	0.4881	0.2457	156.0	18 491	47 637		
9 450	34 571	26.19	49.04	19.81	0.2755	0.5159	0.2084	147.9	19 495	-1 495c		
12 460	34 572	25.7	49.34	12.31	0.2942	0.5648	0.1409	134.6	21 505	-1 505c		
13 465	34 573	26.17	49.86	10.05	0.304	0.5792	0.1167	130.3	22 512	-1 512c		
14 470	34 574	27.27	50.84	8.08	0.3163	0.5897	0.0938	126.2	24 520	-1 520c	Gm	
15 475	35 576	28.77	51.89	6.49	0.3301	0.5953	0.0744	122.5	25 528	-1 528c		
16 480	36 581	32.38	54.48	5.23	0.3516	0.5915	0.0568	118.1	27 537	-1 537c		
17 485	37 588	40.39	59.75	4.25	0.3869	0.5723	0.0407	111.0	29 547	-1 547c		
18 490	41 609	62.98	72.01	3.5	0.4547	0.5199	0.0253	88.1	32 561	-1 561c		
19 495	-1 495c	95.34	85.22	2.92	0.5195	0.4644	0.0159	40.5	34 573	13 465	max	
20 500	-1 500c	95.31	84.06	2.49	0.524	0.4622	0.0136	37.6	34 573	13 468		
21 510	-1 509c	95.25	82.67	2.16	0.5289	0.459	0.0119	34.3	34 574	14 470		
24 520	-1 520c	94.44	76.82	1.57	0.5464	0.4444	0.0091	22.0	35 577	15 476	Ym	
25 530	-1 529c	93.84	74.33	1.46	0.5531	0.4381	0.0086	17.5	35 578	15 477		
27 540	-1 539c	91.91	68.55	1.33	0.568	0.4236	0.0082	8.6	36 581	16 480		
29 545	-1 545c	88.83	61.89	1.27	0.5843	0.4071	0.0084	0.5	37 585	16 483		
30 550	-1 550c	86.77	58.32	1.26	0.5928	0.3984	0.0086	356.9	37 587	16 484		
31 555	-1 555c	84.3	54.59	1.26	0.6014	0.3895	0.009	353.7	37 589	17 485		
32 560	-1 560c	81.4	50.77	1.26	0.61	0.3804	0.0094	350.9	38 592	17 486		
34 570	1 405	83.62	51.52	3.84	0.6016	0.3707	0.0276	346.8	39 597	17 487	Rm	
34 570	7 435	84.59	51.29	10.68	0.5771	0.3499	0.0728	336.0	47 637	18 491		
34 571	9 450	84.95	50.95	15.38	0.5615	0.3368	0.1016	327.9	-1 495c	19 495		
34 572	12 460	85.44	50.65	22.88	0.5374	0.3186	0.1439	314.6	-1 505c	21 505		
34 573	13 465	84.97	50.13	25.14	0.5302	0.3128	0.1569	310.3	-1 512c	22 512		
34 574	14 470	83.87	49.15	27.11	0.5237	0.3069	0.1692	306.2	-1 520c	24 520	Mm	
35 576	15 475	82.37	48.1	28.7	0.5174	0.3022	0.1803	302.6	-1 528c	25 528		
36 581	16 480	78.76	45.51	29.96	0.5106	0.295	0.1942	298.2	-1 537c	27 537		
37 588	17 485	70.75	40.24	30.94	0.4984	0.2835	0.218	291.1	-1 547c	29 547		
41 609	18 490	48.16	27.98	31.69	0.4465	0.2595	0.2938	268.2	-1 561c	32 561		
-1 495c	19 495	15.8	14.77	32.27	0.2515	0.235	0.5134	220.5	13 465	34 573	min	
-1 500c	20 500	15.83	15.93	32.7	0.2455	0.247	0.5073	217.6	13 468	34 573		
-1 509c	21 510	15.89	17.32	33.03	0.2399	0.2614	0.4986	214.3	14 470	34 574		
-1 520c	24 520	16.7	23.17	33.62	0.2272	0.3152	0.4574	202.0	15 476	35 577	Bm	
-1 529c	25 530	17.3	25.66	33.73	0.2256	0.3346	0.4397	197.5	15 477	35 578		
-1 539c	27 540	19.23	31.44	33.86	0.2274	0.3719	0.4005	188.6	16 480	36 581		
-1 545c	29 545	22.31	38.1	33.92	0.2365	0.4038	0.3595	180.5	16 483	37 585		
-1 550c	30 550	24.37	41.67	33.93	0.2437	0.4168	0.3393	176.9	16 484	37 587		
-1 555c	31 555	26.84	45.4	33.93	0.2528	0.4276	0.3195	173.7	17 485	37 589		
-1 560c	32 560	29.74	49.22	33.93	0.2634	0.436	0.3005	170.8	17 486	38 592		
W0	380 770	100.03	89.99	31.67	0.4511	0.4059	0.1428	0.0				
N0	380 770	4.0	3.59	1.26	0.4511	0.4059	0.1428	0.0				

TUB-test chart AEV3; Hue circle of the *Ostwald* optimal colours with Y values, $Y_N,10=0,0$, $Y_W,10=90$
Ostwald optimal colour data: XYZ and eight different colour diagrams, A00-10



see similar files: <http://farbe.li.tu-berlin.de/AEV3/AEV3.HTM>
technical information: <http://farbe.li.tu-berlin.de> or <http://130.149.60.45/~farbmetrik>

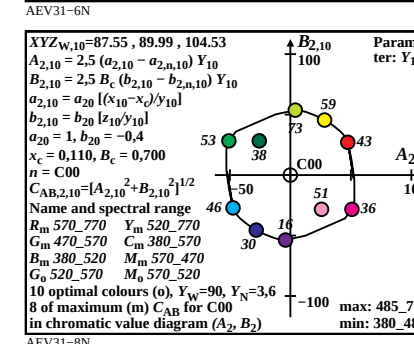
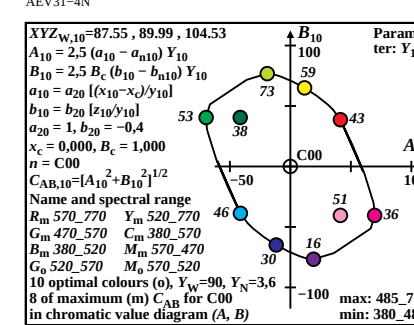
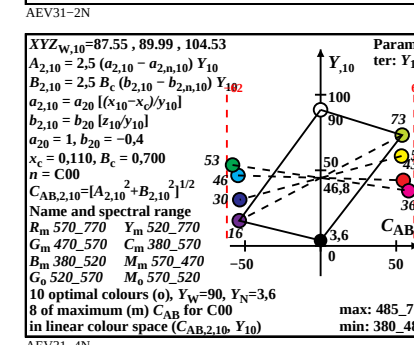
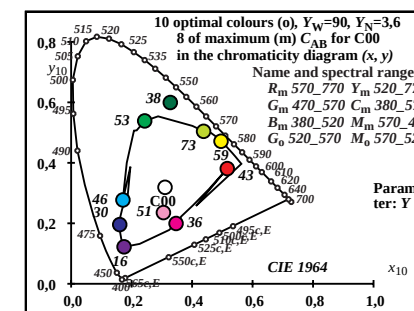
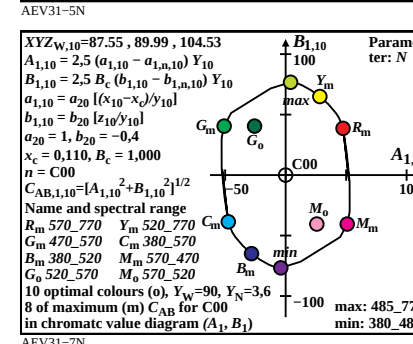
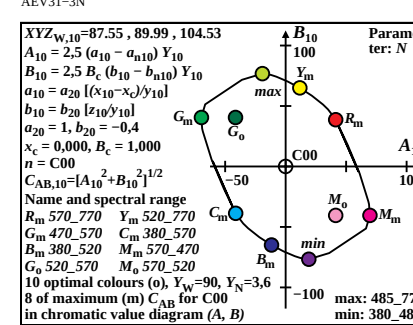
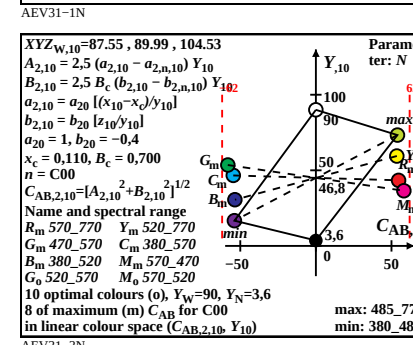
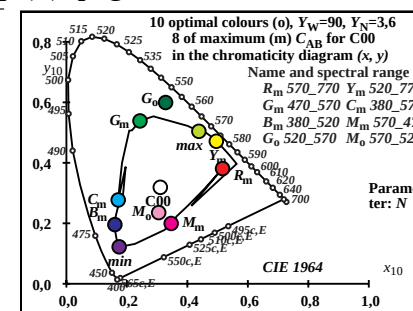
Ostwald optimal colours (o), maximum (m) C _{AB,10} for E00, Y _{N,10} =0, Y _{W,10} =90, Y _m =520_770												
i ₁ , λ ₁	i ₂ , λ ₂	X ₁₀	Y ₁₀	Z ₁₀	x ₁₀	y ₁₀	z ₁₀	h _{xy,10}	i _d , λ _d	i _c , λ _c	Code	
1 405	31 559	31.26	51.95	88.06	0.1825	0.3033	0.5141	191.2	15 477	37 589	Cm	
7 435	32 561	26.15	51.88	60.5	0.1887	0.3744	0.4367	164.0	16 484	−1 484c		
10 450	32 562	23.14	52.37	38.45	0.203	0.4595	0.3373	135.8	18 493	−1 493c		
12 460	33 565	22.23	53.04	25.59	0.2204	0.5258	0.2537	120.3	21 505	−1 505c		
13 465	33 568	23.41	54.6	20.27	0.2381	0.5555	0.2062	113.1	23 515	−1 515c		
13 470	34 572	26.59	57.82	20.27	0.254	0.5523	0.1936	109.8	24 520	−1 520c	Gm	
14 475	36 581	32.09	62.4	15.92	0.2906	0.5651	0.1442	100.3	26 532	−1 532c		
16 480	40 604	51.14	73.1	10.1	0.3806	0.5441	0.0751	77.3	30 551	−1 551c		
17 485	−1 485c	75.4	82.92	8.27	0.4525	0.4977	0.0496	54.0	32 564	11 456	ma	
18 490	−1 490c	75.36	81.56	6.95	0.4598	0.4977	0.0424	52.3	32 564	11 458		
19 495	−1 495c	75.35	79.98	5.98	0.467	0.4957	0.0371	50.5	33 565	12 460		
20 500	−1 500c	75.31	78.14	5.28	0.4744	0.4922	0.0333	48.3	33 566	12 462		
22 510	−1 510c	75.01	73.64	4.42	0.49	0.481	0.0289	43.2	33 569	13 466		
23 520	−1 519c	74.66	70.96	4.15	0.4984	0.4737	0.0277	40.3	34 570	13 468	Ym	
25 530	−1 529c	73.37	64.88	3.83	0.5163	0.4566	0.0269	33.9	34 573	14 470		
27 540	−1 539c	71.1	58.06	3.67	0.5352	0.437	0.0276	27.1	35 577	14 473		
29 545	−1 545c	67.75	50.8	3.61	0.5545	0.4158	0.0295	20.4	36 582	15 475		
29 550	−1 549c	67.75	50.8	3.61	0.5545	0.4158	0.0295	20.4	36 582	15 475		
31 555	−1 555c	63.19	43.42	3.6	0.5733	0.394	0.0326	14.1	37 587	15 476		
32 560	3 415	61.58	39.88	9.01	0.5574	0.3609	0.0816	7.0	38 594	15 478		
31 559	1 405	68.72	48.04	11.94	0.5339	0.3732	0.0927	11.2	37 589	15 477	Rm	
32 561	7 435	73.83	48.11	39.5	0.4573	0.298	0.2446	344.1	−1 484c	16 484		
32 562	10 450	76.84	47.62	61.55	0.413	0.256	0.3309	315.9	−1 493c	18 493		
33 565	12 460	77.75	46.95	74.41	0.3904	0.2358	0.3737	300.4	−1 505c	21 505		
33 568	13 465	76.58	45.39	79.73	0.3796	0.225	0.3953	293.2	−1 515c	23 515		
34 572	13 470	73.39	42.17	79.73	0.3757	0.2159	0.4082	289.9	−1 520c	24 520	Mn	
36 581	14 475	67.89	37.59	84.08	0.3581	0.1983	0.4435	280.4	−1 532c	26 532		
40 604	16 480	48.85	26.89	89.9	0.2949	0.1623	0.5427	257.3	−1 551c	30 551		
−1 485c	17 485	24.58	17.07	91.73	0.1842	0.1279	0.6877	234.0	11 456	32 564	mir	
−1 490c	18 490	24.62	18.43	93.05	0.1808	0.1354	0.6836	232.4	11 458	32 564		
−1 495c	19 495	24.63	20.01	94.02	0.1776	0.1443	0.678	230.5	12 460	33 565		
−1 500c	20 500	24.67	21.85	94.72	0.1746	0.1547	0.6706	228.4	12 462	33 566		
−1 510c	22 510	24.97	26.35	95.58	0.1699	0.1793	0.6506	223.3	13 466	33 569		
−1 519c	23 520	25.32	29.03	95.84	0.1685	0.1932	0.6381	220.3	13 468	34 570	Bm	
−1 529c	25 530	26.61	35.11	96.17	0.1685	0.2223	0.609	213.9	14 470	34 573		
−1 539c	27 540	28.88	41.93	96.33	0.1727	0.2508	0.5763	207.2	14 473	35 577		
−1 545c	29 545	32.23	49.19	96.39	0.1812	0.2766	0.5421	200.4	15 475	36 582		
−1 549c	29 550	32.23	49.19	96.39	0.1812	0.2766	0.5421	200.4	15 475	36 582		
−1 555c	31 555	36.8	56.57	96.4	0.1939	0.298	0.5079	194.1	15 476	37 587		
3 415	32 560	38.4	60.11	90.99	0.2026	0.3172	0.4801	187.0	15 478	38 594		
W0 380	770	89.99	89.99	90.0	0.3333	0.3333	0.3333	0.0				
N0 380	770	3.59	3.59	3.6	0.3333	0.3333	0.3333	0.0				



TUB-test chart AEV3; Hue circle of the *Ostwald* optimal colours with Y values, $Y_{N,10}=0,0$, $Y_{W,10}=90$
Ostwald optimal colour data: XYZ and eight different colour diagrams, E00-10

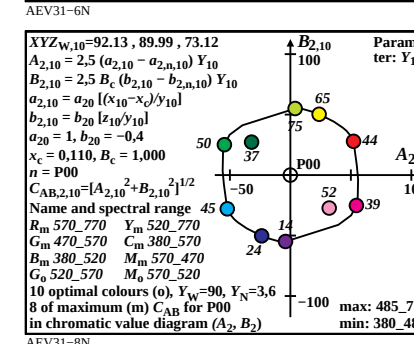
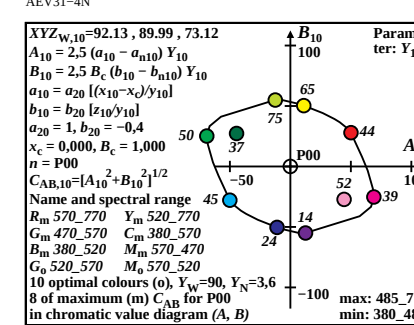
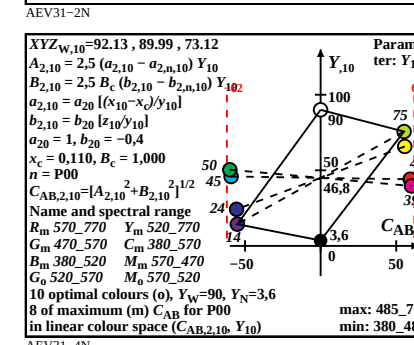
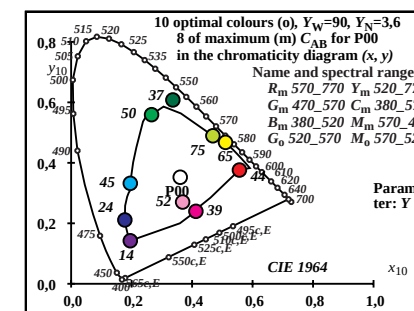
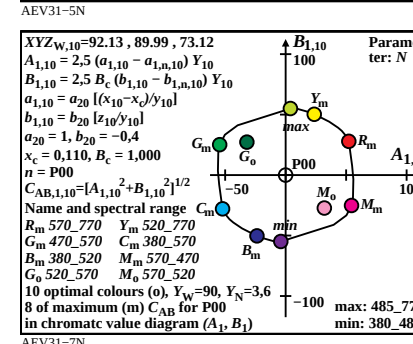
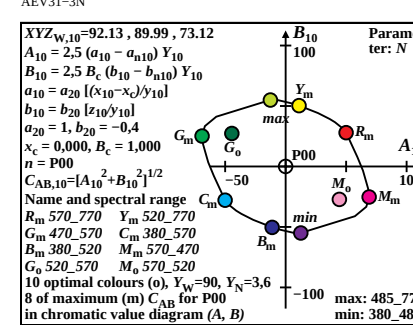
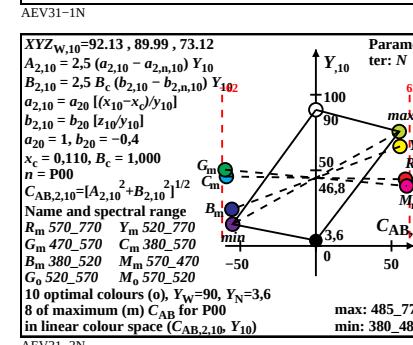
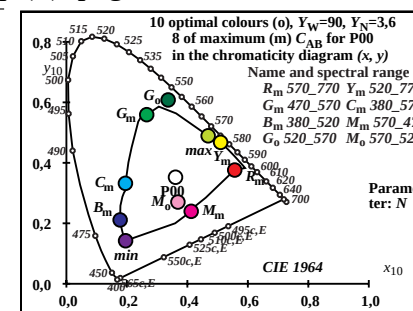
Ostwald optimal colours (o), maximum (m) $C_{AB,10}$ for C00, $Y_N,10=0$, $Y_W,10=90$, $Y_m=520_770$																
i_1, λ_1	i_2, λ_2	X_{10}	Y_{10}	Z_{10}	x_{10}	y_{10}	z_{10}	$h_{xy,10}$	i_d, λ_d	i_c, λ_c	Code					
1 405	31 556	31.98	51.78	103.14	0.1711	0.277	0.5518	196.8	15 475	37 586	Cm					
6 435	31 558	28.66	52.82	81.59	0.1757	0.3239	0.5003	177.9	16 480	44 624						
9 450	32 560	24.39	53.05	55.15	0.1839	0.4	0.4159	147.3	17 487	-1 487c						
12 460	32 563	22.19	54.1	30.54	0.2077	0.5063	0.2858	118.6	20 504	-1 504c						
12 465	33 566	24.0	56.19	30.54	0.2167	0.5074	0.2758	116.4	21 507	-1 507c						
13 470	34 572	26.86	59.45	24.02	0.2434	0.5388	0.2176	106.9	23 519	-1 519c	Gm					
14 475	36 582	33.85	65.18	18.67	0.2876	0.5537	0.1586	95.5	26 534	-1 534c						
16 480	44 622	60.31	78.48	11.51	0.4012	0.5221	0.0766	65.8	31 556	0 404						
17 485	-1 485c	70.72	81.46	9.3	0.4379	0.5044	0.0576	55.4	32 562	11 456	max					
18 490	-1 490c	70.67	79.85	7.73	0.4465	0.5045	0.0488	53.6	32 563	11 459						
19 495	-1 495c	70.66	78.05	6.63	0.4548	0.5024	0.0427	51.7	32 564	12 461						
20 500	-1 500c	70.62	76.06	5.87	0.4629	0.4985	0.0384	49.6	33 565	12 463						
22 510	-1 510c	70.32	71.49	4.98	0.479	0.4869	0.0339	44.8	33 567	13 466						
24 520	-1 520c	69.46	66.06	4.54	0.4959	0.4716	0.0324	39.4	34 570	13 468	Ym					
26 530	-1 530c	67.74	59.74	4.32	0.5139	0.4532	0.0327	33.3	34 574	14 471						
28 540	-1 540c	64.9	52.56	4.21	0.5334	0.4319	0.0346	26.8	35 578	14 473						
28 545	-1 544c	64.9	52.56	4.21	0.5334	0.4319	0.0346	26.8	35 578	14 473						
29 550	-1 549c	63.02	48.76	4.19	0.5433	0.4204	0.0361	23.5	36 580	14 474						
31 555	-1 555c	58.23	41.03	4.18	0.5629	0.3966	0.0404	17.0	37 585	15 475						
31 560	9 447	68.2	42.55	54.35	0.4131	0.2577	0.3291	329.1	-1 487c	17 487						
31 556	1 405	65.29	48.21	13.0	0.5161	0.3811	0.1027	16.7	37 586	15 475	Rm					
31 558	6 435	68.62	47.17	34.55	0.4564	0.3137	0.2298	357.9	44 624	16 480						
32 560	9 450	72.88	46.94	60.98	0.4031	0.2596	0.3372	327.3	-1 487c	17 487						
32 563	12 460	75.08	45.89	85.59	0.3634	0.2221	0.4143	298.7	-1 504c	20 504						
33 566	12 465	73.27	43.8	85.59	0.3615	0.2161	0.4223	296.4	-1 507c	21 507						
34 572	13 470	70.42	40.54	92.12	0.3467	0.1996	0.4536	286.9	-1 519c	23 519	Mm					
36 582	14 475	63.43	34.81	97.47	0.324	0.1778	0.498	275.5	-1 534c	26 534						
44 622	16 480	36.96	21.51	104.62	0.2266	0.1319	0.6414	245.9	0 404	31 556						
-1 485c	17 485	26.56	18.53	106.83	0.1748	0.122	0.7031	235.4	11 456	32 562	min					
-1 490c	18 490	26.6	20.14	108.41	0.1714	0.1298	0.6987	233.7	11 459	32 563						
-1 495c	19 495	26.62	21.94	109.51	0.1684	0.1388	0.6927	231.7	12 461	32 564						
-1 500c	20 500	26.66	23.93	110.27	0.1657	0.1487	0.6854	229.6	12 463	33 565						
-1 510c	22 510	26.96	28.5	111.15	0.1618	0.171	0.667	224.9	13 466	33 567						
-1 520c	24 520	27.82	33.93	111.6	0.1604	0.1957	0.6437	219.4	13 468	34 570	Bm					
-1 530c	26 530	29.54	40.25	111.82	0.1626	0.2216	0.6157	213.4	14 471	34 574						
-1 540c	28 540	32.37	47.43	111.92	0.1688	0.2473	0.5837	206.8	14 473	35 578						
-1 544c	28 545	32.37	47.43	111.92	0.1688	0.2473	0.5837	206.8	14 473	35 578						
-1 549c	29 550	34.26	51.23	111.95	0.1735	0.2594	0.5669	203.5	14 474	36 580						
-1 555c	31 555	39.05	58.96	111.96	0.1859	0.2808	0.5332	197.0	15 475	37 585						
9 447	31 560	29.07	57.44	61.79	0.196	0.3873	0.4166	149.1	17 487	-1 487c						
W0 380	770	87.55	89.99	104.53	0.3103	0.319	0.3705	0.0								
N0 380	770	3.5	3.59	4.18	0.3103	0.319	0.3705	0.0								

TUB-test chart AEV3; Hue circle of the *Ostwald* optimal colours with Y values, $Y_N,10=0,0$, $Y_W,10=90$
Ostwald optimal colour data: XYZ and eight different colour diagrams, C00-10



Ostwald optimal colours (o), maximum (m) C _{AB,10} for P00, Y _{N,10} =0, Y _{W,10} =90, Y _m =520_770												
i ₁ , λ ₁	i ₂ , λ ₂	X ₁₀	Y ₁₀	Z ₁₀	x ₁₀	y ₁₀	z ₁₀	h _{xy,10}	i _d , λ _d	i _c , λ _c		Code
0 405	32 562	30.0	51.03	72.5	0.1954	0.3323	0.4722	186.9	15 479	38 591		Cm
7 435	32 563	26.27	51.44	50.42	0.205	0.4014	0.3935	162.5	17 485	-1 485c		
9 450	32 564	24.93	52.14	38.52	0.2157	0.451	0.3332	145.8	18 491	-1 491c		
12 460	33 567	23.14	52.25	21.98	0.2377	0.5365	0.2257	123.7	21 505	-1 505c		
13 465	33 569	24.08	53.51	17.5	0.2532	0.5626	0.184	117.1	23 515	-1 515c		
13 470	34 572	26.6	55.97	17.5	0.2658	0.5592	0.1748	114.6	23 518	-1 518c	Gm	
15 475	35 579	30.79	59.06	10.93	0.3055	0.5859	0.1084	103.3	26 534	-1 534c		
16 480	38 593	43.2	67.08	8.77	0.3628	0.5634	0.0736	89.4	29 547	-1 547c		
17 485	-1 485c	80.45	84.04	7.17	0.4686	0.4895	0.0417	51.7	33 566	11 457	max	
17 490	-1 489c	80.45	84.04	7.17	0.4686	0.4895	0.0417	51.7	33 566	11 457		
19 495	-1 495c	80.4	81.41	5.12	0.4816	0.4876	0.0307	48.2	33 567	12 461		
19 500	-1 499c	80.4	81.41	5.12	0.4816	0.4876	0.0307	48.2	33 567	12 461		
22 510	-1 510c	80.09	75.61	3.7	0.5024	0.4743	0.0232	40.6	34 570	13 467		
23 520	-1 519c	79.77	73.11	3.45	0.5102	0.4676	0.0221	37.6	34 572	13 469	Ym	
26 530	-1 530c	77.58	64.15	3.05	0.5357	0.443	0.0211	27.3	35 577	14 473		
28 540	-1 540c	74.85	57.25	2.95	0.5542	0.4238	0.0219	20.2	36 580	15 475		
28 545	-1 544c	74.85	57.25	2.95	0.5542	0.4238	0.0219	20.2	36 580	15 475		
29 550	-1 549c	73.06	53.65	2.93	0.5635	0.4137	0.0226	16.8	36 583	15 476		
31 555	-1 555c	68.49	46.26	2.92	0.582	0.3931	0.0248	10.3	37 587	15 478		
32 560	-1 560c	65.67	42.54	2.92	0.5908	0.3827	0.0263	7.4	38 590	15 479		
32 562	0 405	72.36	48.96	8.74	0.5563	0.3764	0.0672	6.9	38 591	15 479		Rm
32 563	7 435	76.09	48.55	30.82	0.4894	0.3123	0.1982	342.6	-1 485c	17 485		
32 564	9 450	77.43	47.85	42.73	0.4608	0.2848	0.2543	325.8	-1 491c	18 491		
33 567	12 460	79.22	47.74	59.27	0.4253	0.2563	0.3182	303.8	-1 505c	21 505		
33 569	13 465	78.28	46.48	63.75	0.4152	0.2465	0.3381	297.1	-1 515c	23 515		
34 572	13 470	75.77	44.02	63.75	0.4128	0.2398	0.3473	294.7	-1 518c	23 518	Mm	
35 579	15 475	71.57	40.93	70.31	0.3914	0.2238	0.3846	283.3	-1 534c	26 534		
38 593	16 480	59.17	32.91	72.47	0.3595	0.2	0.4404	269.5	-1 547c	29 547		
-1 485c	17 485	21.91	15.95	74.08	0.1957	0.1425	0.6617	231.8	11 457	33 566	mir	
-1 489c	17 490	21.91	15.95	74.08	0.1957	0.1425	0.6617	231.8	11 457	33 566		
-1 495c	19 495	21.96	18.58	76.12	0.1882	0.1592	0.6524	228.2	12 461	33 567		
-1 499c	19 500	21.96	18.58	76.12	0.1882	0.1592	0.6524	228.2	12 461	33 567		
-1 510c	22 510	22.27	24.38	77.54	0.1793	0.1963	0.6243	220.7	13 467	34 570		
-1 519c	23 520	22.6	26.88	77.79	0.1775	0.2112	0.6111	217.6	13 469	34 572	Bm	
-1 530c	26 530	24.79	35.84	78.19	0.1785	0.2581	0.5632	207.3	14 473	35 577		
-1 540c	28 540	27.51	42.74	78.29	0.1852	0.2877	0.527	200.2	15 475	36 580		
-1 544c	28 545	27.51	42.74	78.29	0.1852	0.2877	0.527	200.2	15 475	36 580		
-1 549c	29 550	29.3	46.34	78.31	0.1903	0.301	0.5086	196.8	15 476	36 583		
-1 555c	31 555	33.88	53.73	78.32	0.2041	0.3238	0.472	190.4	15 478	37 587		
-1 560c	32 560	36.69	57.45	78.32	0.2127	0.333	0.4541	187.4	15 479	38 590		
W0 380	770	92.13	89.99	73.12	0.3609	0.3525	0.2864	0.0				
N0 380	770	3.68	3.59	2.92	0.3609	0.3525	0.2864	0.0				

TUB-test chart AEV3; Hue circle of the Ostwald optimal colours with Y values, $Y_N,10=0,0$, $Y_W,10=90$
Ostwald optimal colour data: XYZ and eight different colour diagrams, P00-10



Ostwald optimal colours (o), maximum (m) $C_{AB,10}$ for Q00, $Y_N,10=0$, $Y_W,10=90$, $Y_m=520,770$

i_1, λ_1	i_2, λ_2	X_{10}	Y_{10}	Z_{10}	x_{10}	y_{10}	z_{10}	$h_{xy,10}$	i_d, λ_d	i_c, λ_c	Code
1 405	31 556	32.34	52.14	104.12	0.1714	0.2764	0.552	196.1	15 475	37 587	Cm
7 435	31 558	26.53	52.8	70.4	0.1772	0.3526	0.4701	164.6	16 482	-1 482c	
10 450	32 560	22.4	52.84	44.15	0.1876	0.4425	0.3698	133.8	18 493	-1 493c	
12 460	32 563	21.89	54.31	29.13	0.2078	0.5156	0.2765	116.8	21 506	-1 506c	
13 465	33 566	22.71	55.64	22.99	0.2241	0.549	0.2268	110.0	23 515	-1 515c	
13 470	34 572	26.57	59.63	22.99	0.2434	0.546	0.2105	105.9	24 520	-1 520c	Gm
15 475	36 583	33.4	64.53	14.21	0.2978	0.5754	0.1267	92.4	27 536	-1 536c	
15 480	45 629	63.45	81.28	14.21	0.3992	0.5113	0.0894	65.1	31 557	2 414	
17 485	-1 485c	70.45	81.83	9.36	0.4358	0.5062	0.0579	56.2	32 561	11 455	max
17 490	-1 489c	70.45	81.83	9.36	0.4358	0.5062	0.0579	56.2	32 561	11 455	
18 495	-1 494c	70.4	80.32	7.88	0.4438	0.5063	0.0497	54.5	32 562	11 458	
19 500	-1 499c	70.39	78.57	6.82	0.4518	0.5043	0.0438	52.7	32 563	12 460	
21 510	-1 509c	70.24	74.28	5.51	0.4681	0.495	0.0367	48.2	33 566	12 464	
24 520	-1 520c	69.08	65.75	4.64	0.4952	0.4714	0.0332	39.7	34 570	13 468	Ym
26 530	-1 530c	67.25	58.99	4.4	0.5147	0.4515	0.0337	33.2	34 574	14 471	
27 540	-1 539c	65.95	55.4	4.33	0.5247	0.4407	0.0345	29.9	35 576	14 472	
29 545	-1 545c	62.54	48.02	4.27	0.5446	0.4181	0.0372	23.3	36 581	14 474	
30 550	-1 550c	60.41	44.31	4.26	0.5542	0.4065	0.0391	20.1	36 583	15 475	
30 555	-1 554c	60.41	44.31	4.26	0.5542	0.4065	0.0391	20.1	36 583	15 475	
31 560	9 447	68.87	42.24	58.7	0.4055	0.2487	0.3456	325.0	-1 488c	17 488	
31 556	1 405	65.3	47.85	14.29	0.5123	0.3754	0.1121	16.1	37 587	15 475	Rm
31 558	7 435	71.11	47.19	48.01	0.4275	0.2837	0.2887	344.6	-1 482c	16 482	
32 560	10 450	75.24	47.15	74.26	0.3826	0.2397	0.3776	313.9	-1 493c	18 493	
32 563	12 460	75.75	45.68	89.29	0.3594	0.2167	0.4237	296.9	-1 506c	21 506	
33 566	13 465	74.93	44.35	95.43	0.3489	0.2065	0.4444	290.0	-1 515c	23 515	
34 572	13 470	71.07	40.36	95.43	0.3435	0.1951	0.4613	285.9	-1 520c	24 520	Mm
36 583	15 475	64.24	35.46	104.21	0.315	0.1739	0.511	272.4	-1 536c	27 536	
45 629	15 480	34.19	18.71	104.21	0.2176	0.1191	0.6632	245.1	2 414	31 557	
-1 485c	17 485	27.19	18.16	109.05	0.1761	0.1176	0.7062	236.2	11 455	32 561	min
-1 489c	17 490	27.19	18.16	109.05	0.1761	0.1176	0.7062	236.2	11 455	32 561	
-1 494c	18 495	27.24	19.67	110.53	0.173	0.1249	0.702	234.6	11 458	32 562	
-1 499c	19 500	27.25	21.42	111.59	0.17	0.1336	0.6962	232.7	12 460	32 563	
-1 509c	21 510	27.4	25.71	112.9	0.165	0.1548	0.68	228.3	12 464	33 566	
-1 520c	24 520	28.56	34.24	113.77	0.1617	0.1939	0.6443	219.7	13 468	34 570	Bm
-1 530c	26 530	30.39	41.0	114.02	0.1639	0.2211	0.6149	213.3	14 471	34 574	
-1 539c	27 540	31.69	44.59	114.08	0.1664	0.2342	0.5992	209.9	14 472	35 576	
-1 545c	29 545	35.1	51.97	114.14	0.1744	0.2583	0.5672	203.3	14 474	36 581	
-1 550c	30 550	37.23	55.68	114.15	0.1798	0.2688	0.5513	200.2	15 475	36 583	
-1 554c	30 555	37.23	55.68	114.15	0.1798	0.2688	0.5513	200.2	15 475	36 583	
9 447	31 560	28.77	57.75	59.71	0.1967	0.3949	0.4083	144.9	17 488	-1 488c	
W0	380 770	87.88	90.0	106.58	0.3089	0.3163	0.3746	0.0			
N0	380 770	3.51	3.6	4.26	0.3089	0.3163	0.3746	0.0			

TUB-test chart AEV3; Hue circle of the Ostwald optimal colours with Y values, $Y_N,10=0,0$, $Y_W,10=90$
Ostwald optimal colour data: XYZ and eight different colour diagrams, Q00-10

