

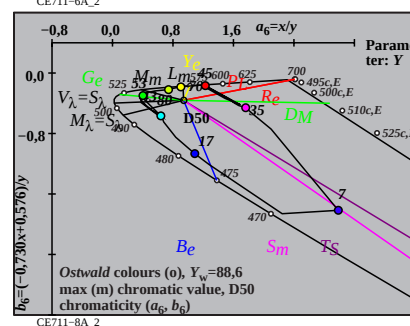
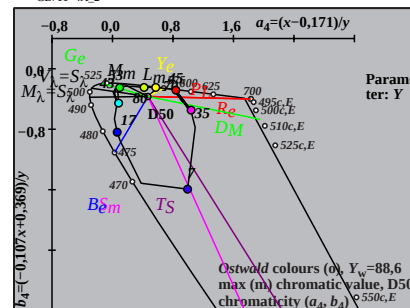
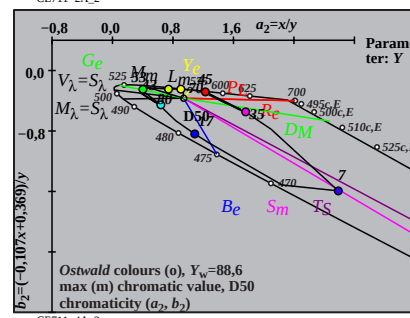
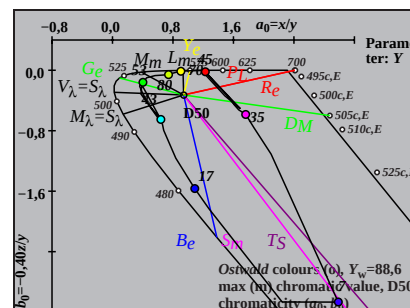
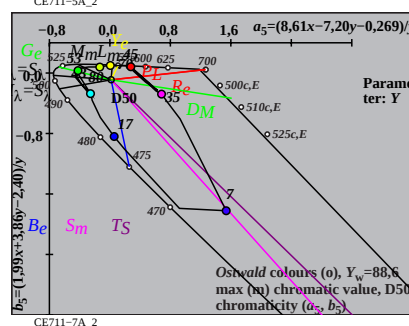
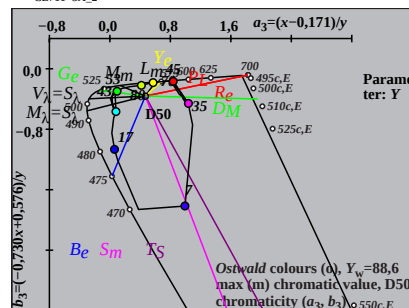
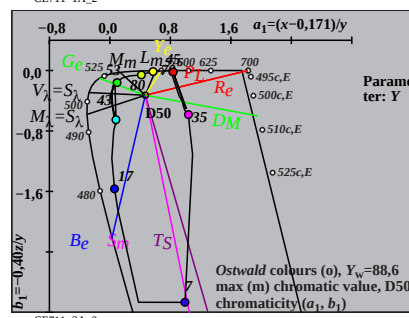
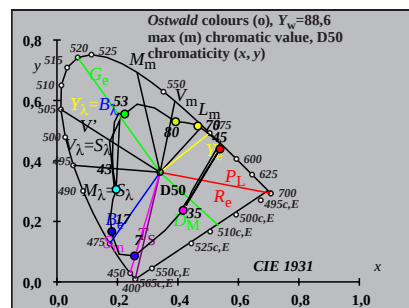
Ostwald optimal colours (o) of maximum (m) C_{AB} for D50, $Y_w=88.6$, $Y_m=520.770$

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	32 564	25.87	50.34	71.43	0.1752	0.3409	0.4837	185.8	17 486	38 592	Cm
7 435	33 565	22.93	50.66	55.29	0.1779	0.393	0.4289	168.3	18 490	46 634	
10 450	33 566	20.05	51.1	36.98	0.1854	0.4725	0.342	144.5	19 497	-1 497c	
11 460	33 567	19.72	51.89	30.64	0.1928	0.5075	0.2996	135.7	20 501	-1 501c	
13 465	33 568	18.56	52.21	19.3	0.206	0.5796	0.2143	122.2	22 511	-1 511c	
14 470	34 570	19.04	53.15	14.85	0.2187	0.6106	0.1706	116.7	23 519	-1 519c	
15 475	34 573	20.51	54.77	11.24	0.237	0.6329	0.1299	111.5	25 527	-1 527c	Gm
15 480	35 578	24.04	58.27	11.25	0.2569	0.6227	0.1202	108.5	26 531	-1 531c	
17 485	37 587	30.76	62.91	6.38	0.3074	0.6287	0.0637	98.0	28 544	-1 544c	
18 490	44 620	57.13	76.65	4.82	0.4122	0.5529	0.0348	71.0	32 561	-1 561c	max
18 495	-1 494c	72.41	82.7	4.82	0.4527	0.517	0.0301	55.9	33 567	12 461	
19 500	-1 499c	72.37	81.55	3.59	0.4594	0.5177	0.0228	54.4	33 568	12 463	
22 510	-1 510c	72.26	76.05	1.35	0.4827	0.5081	0.009	47.4	34 571	14 471	
24 520	-1 520c	71.72	70.34	0.69	0.5023	0.4927	0.0048	40.5	34 573	15 475	Ym
26 530	-1 530c	70.32	63.13	0.33	0.5255	0.4718	0.0025	32.1	35 577	15 479	
28 540	-1 540c	67.87	55.16	0.16	0.5509	0.4477	0.0013	23.4	36 581	16 481	
29 545	-1 545c	66.2	50.99	0.11	0.5643	0.4346	0.0009	19.1	36 583	16 483	
29 550	-1 549c	66.2	50.99	0.11	0.5643	0.4346	0.0009	19.1	36 583	16 483	
31 555	-1 555c	61.9	42.62	0.06	0.5918	0.4075	0.0006	11.2	37 587	17 485	
32 560	-1 560c	59.27	38.55	0.05	0.6055	0.3938	0.0005	7.7	38 590	17 486	
32 564	0 405	68.9	47.94	9.66	0.5446	0.3789	0.0763	5.8	38 592	17 486	Rm
33 565	7 435	71.84	47.62	25.79	0.4945	0.3278	0.1775	348.3	46 634	18 490	
33 566	10 450	74.72	47.19	44.1	0.45	0.2842	0.2656	324.5	-1 497c	19 497	
33 567	11 460	75.06	46.4	50.45	0.4366	0.2699	0.2934	315.7	-1 501c	20 501	
33 568	13 465	76.22	46.08	61.78	0.414	0.2503	0.3356	302.3	-1 511c	22 511	
34 570	14 470	75.74	45.13	66.23	0.4047	0.2412	0.3539	296.7	-1 519c	23 519	
34 573	15 475	74.26	43.52	69.84	0.3957	0.2319	0.3722	291.6	-1 527c	25 527	Mm
35 578	15 480	70.73	40.02	69.84	0.3916	0.2216	0.3867	288.5	-1 531c	26 531	
37 587	17 485	64.01	35.38	74.71	0.3676	0.2032	0.429	278.0	-1 544c	28 544	
44 620	18 490	37.64	21.64	76.26	0.2777	0.1596	0.5626	251.1	-1 561c	32 561	min
-1 494c	18 495	22.36	15.59	76.26	0.1958	0.1365	0.6676	235.9	12 461	33 567	
-1 499c	19 500	22.4	16.74	77.49	0.192	0.1435	0.6643	234.4	12 463	33 568	
-1 510c	22 510	22.52	22.24	79.73	0.1808	0.1786	0.6404	227.5	14 471	34 571	
-1 520c	24 520	23.05	27.95	80.39	0.1754	0.2127	0.6117	220.5	15 475	34 573	Bm
-1 530c	26 530	24.46	35.16	80.75	0.1742	0.2504	0.5752	212.2	15 479	35 577	
-1 540c	28 540	26.9	43.13	80.93	0.1782	0.2857	0.536	203.5	16 481	36 581	
-1 545c	29 545	28.58	47.3	80.97	0.1821	0.3015	0.5162	199.2	16 483	36 583	
-1 549c	29 550	28.58	47.3	80.97	0.1821	0.3015	0.5162	199.2	16 483	36 583	
-1 555c	31 555	32.88	55.67	81.02	0.1938	0.3283	0.4778	191.2	17 485	37 587	
-1 560c	32 560	35.5	59.74	81.04	0.2013	0.3388	0.4597	187.7	17 486	38 590	
380	770	83.96	87.08	71.84	0.3457	0.3585	0.2957	0.0			

TUB-test chart CE71; CIE (x, y) and chromaticities (a_i, b_i)

Ostwald optimal colours for illuminant D50; diagram for illuminant D50, $Y_w=88.6$

input: w/rgb/cmyk -> rgb



TUB registration: 20170801-CE71/CE71L0NP.PDF /.PS
application for measurement of offset print output

TUB material: code=rha4ta

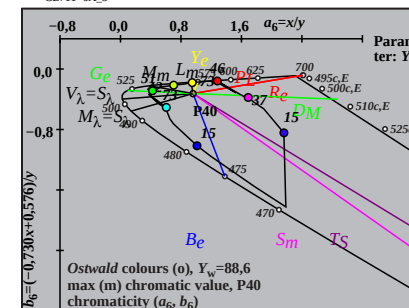
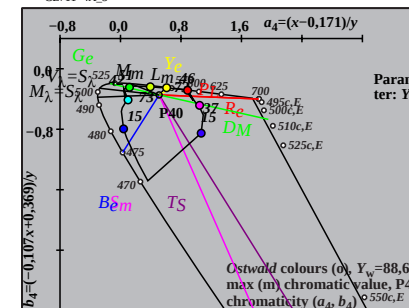
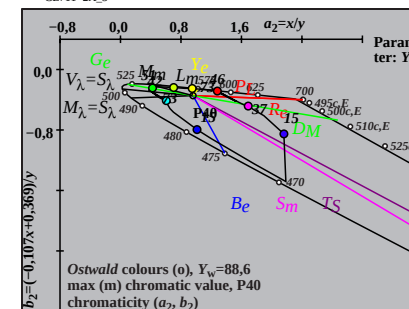
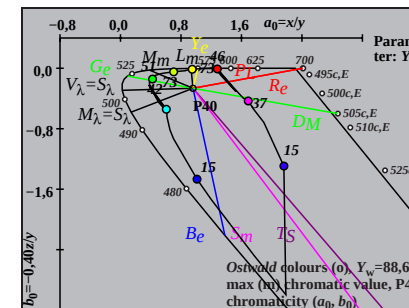
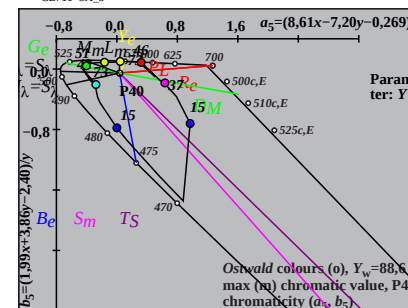
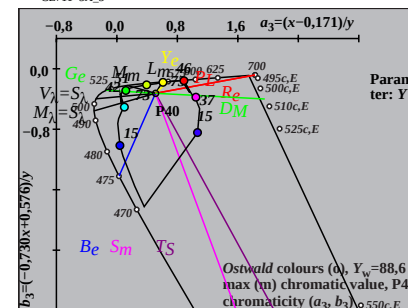
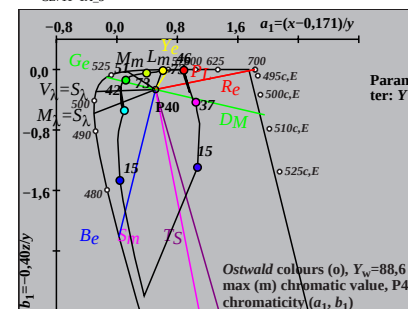
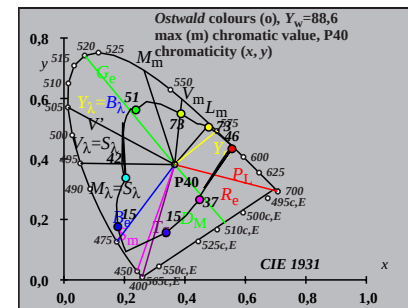
Ostwald optimal colours (o) of maximum (m) C_{AB} for P40, $Y_w=88,6$, $Y_m=520,770$

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	33 568	25.03	49.36	55.77	0.1923	0.3792	0.4284	179.1	17 488	38 594	Cm
6 435	33 568	23.37	49.65	46.29	0.1958	0.4161	0.3879	167.8	18 491	42 614	
9 450	33 569	21.35	50.08	33.46	0.2035	0.4774	0.319	150.2	19 497	-1 497c	
12 460	34 570	19.59	50.42	19.77	0.2181	0.5615	0.2202	131.1	21 507	-1 507c	
13 465	34 571	19.58	50.87	15.73	0.2271	0.5902	0.1825	125.5	22 512	-1 512c	
13 470	34 572	20.55	51.93	15.74	0.2329	0.5886	0.1784	124.7	22 513	-1 513c	
15 475	34 574	21.26	52.94	9.49	0.254	0.6325	0.1134	116.1	25 527	-1 527c	Gm
16 480	35 578	23.88	55.2	7.27	0.2765	0.6391	0.0842	111.4	27 535	-1 535c	
17 485	37 585	29.27	59.34	5.56	0.3108	0.6301	0.059	105.2	28 543	-1 543c	
18 490	40 600	43.82	68.19	4.23	0.3769	0.5865	0.0364	90.7	31 555	-1 555c	max
19 495	-1 495c	79.02	82.78	3.19	0.4789	0.5016	0.0193	51.6	34 571	12 464	
20 500	-1 500c	79.01	81.53	2.37	0.485	0.5004	0.0145	49.6	34 571	13 467	
22 510	-1 510c	78.92	77.95	1.24	0.4991	0.4929	0.0078	44.3	34 573	14 472	
24 520	-1 520c	78.43	72.78	0.65	0.5164	0.4792	0.0042	36.9	35 575	15 476	Ym
26 530	-1 530c	77.17	66.26	0.32	0.5368	0.4609	0.0022	28.2	35 578	16 480	
28 540	-1 540c	74.88	58.8	0.16	0.5594	0.4393	0.0012	19.2	36 582	16 483	
29 545	-1 545c	73.29	54.84	0.11	0.5714	0.4276	0.0009	14.9	36 584	16 484	
29 550	-1 549c	73.29	54.84	0.11	0.5714	0.4276	0.0009	14.9	36 584	16 484	
31 555	-1 555c	69.08	46.68	0.06	0.5963	0.403	0.0006	6.9	37 588	17 486	
31 560	-1 559c	69.08	46.68	0.06	0.5963	0.403	0.0006	6.9	37 588	17 486	
33 568	1 405	74.37	49.11	7.93	0.5658	0.3737	0.0604	359.1	38 594	17 488	Rm
33 568	6 435	76.02	48.82	17.41	0.5343	0.3432	0.1223	347.8	42 614	18 491	
33 569	9 450	78.04	48.4	30.24	0.4981	0.3088	0.1929	330.2	-1 497c	19 497	
34 570	12 460	79.81	48.05	43.93	0.4645	0.2797	0.2557	311.1	-1 507c	21 507	
34 571	13 465	79.82	47.61	47.97	0.455	0.2714	0.2734	305.5	-1 512c	22 512	
34 572	13 470	78.84	46.55	47.96	0.4547	0.2685	0.2766	304.7	-1 513c	22 513	
34 574	15 475	78.14	45.53	54.21	0.4392	0.2559	0.3047	296.2	-1 527c	25 527	Mm
35 578	16 480	75.51	43.28	56.43	0.4309	0.247	0.322	291.5	-1 535c	27 535	
37 585	17 485	70.12	39.13	58.14	0.4188	0.2337	0.3473	285.2	-1 543c	28 543	
40 600	18 490	55.57	30.29	59.47	0.3823	0.2084	0.4091	270.8	-1 555c	31 555	min
-1 495c	19 495	20.37	15.7	60.51	0.2109	0.1625	0.6264	231.6	12 464	34 571	
-1 500c	20 500	20.38	16.95	61.33	0.2065	0.1718	0.6215	229.7	13 467	34 571	
-1 510c	22 510	20.47	20.52	62.46	0.1978	0.1984	0.6037	224.3	14 472	34 573	
-1 520c	24 520	20.96	25.7	63.05	0.191	0.2342	0.5746	216.9	15 476	35 575	Bm
-1 530c	26 530	22.23	32.22	63.38	0.1886	0.2734	0.5378	208.3	16 480	35 578	
-1 540c	28 540	24.52	39.67	63.54	0.1919	0.3106	0.4974	199.3	16 483	36 582	
-1 545c	29 545	26.11	43.63	63.59	0.1958	0.3272	0.4769	194.9	16 484	36 584	
-1 549c	29 550	26.11	43.63	63.59	0.1958	0.3272	0.4769	194.9	16 484	36 584	
-1 555c	31 555	30.31	51.8	63.64	0.2079	0.3553	0.4366	186.9	17 486	37 588	
-1 559c	31 560	30.31	51.8	63.64	0.2079	0.3553	0.4366	186.9	17 486	37 588	
380	770	88.06	87.24	56.44	0.3799	0.3764	0.2435	0.0			

TUB-test chart CE71; CIE (x, y) and chromaticities (a_i, b_i)

Ostwald optimal colours for illuminant P40; diagram for illuminant P40, $Y_w=88,6$

input: w/rgb/cmyk -> rgb



TUB registration: 20170801-CE71/CE71L0NP.PDF /PS
application for measurement of offset print output

TUB material: code=rha4ta

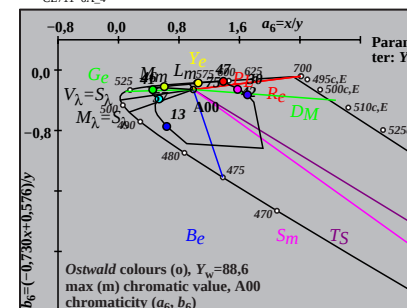
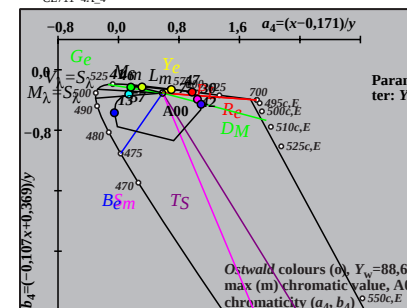
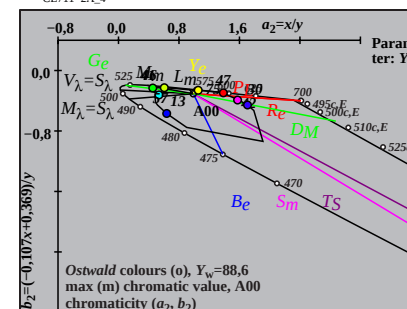
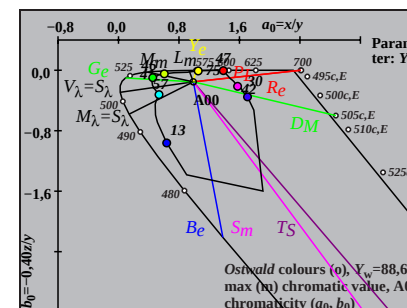
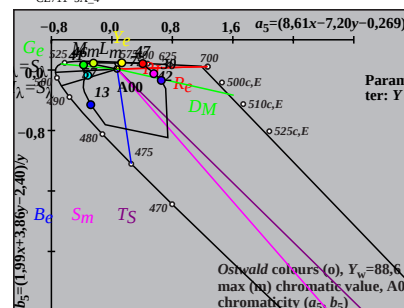
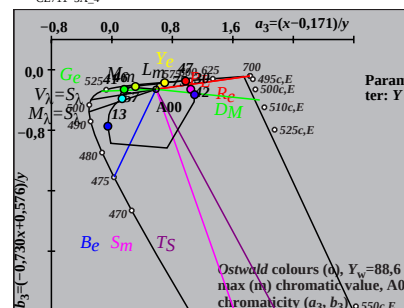
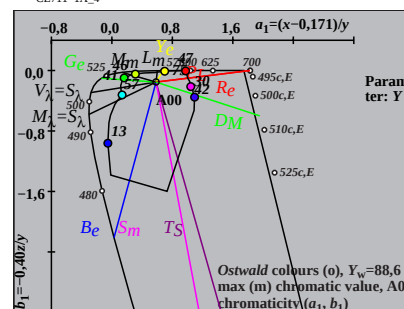
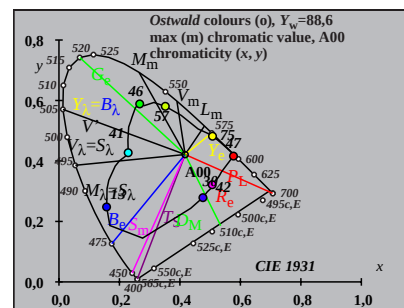
Ostwald optimal colours (o) of maximum (m) C_{AB} for A00, $Y_w=88,6$, $Y_m=520,770$

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	34	574	24.71	48.9	31.67	0.2347	0.4644	0.3008	164.9	18 494 39 599	Cm
6	435	34	574	24.0	49.06	27.33	0.239	0.4887	0.2722	158.6	19 496 42 611	
9	450	34	574	23.04	49.3	20.86	0.2472	0.5289	0.2238	148.7	20 501 -1 501c	
12	460	35	575	22.1	49.49	13.19	0.2606	0.5837	0.1556	136.6	21 508 -1 508c	
13	465	35	575	22.12	49.73	10.77	0.2677	0.6018	0.1303	132.7	22 512 -1 512c	
13	470	35	576	22.75	50.33	10.77	0.2712	0.6001	0.1285	132.4	22 513 -1 513c	
14	475	35	577	23.43	51.08	8.65	0.2817	0.6142	0.104	128.7	23 519 -1 519c	Gm
16	480	35	579	24.66	52.05	5.39	0.3003	0.6339	0.0656	123.0	26 532 -1 532c	
17	485	36	582	27.51	54.16	4.22	0.3202	0.6305	0.0491	119.6	28 540 -1 540c	
18	490	37	588	33.25	58.13	3.29	0.3512	0.6139	0.0348	114.9	29 548 -1 548c	max
19	495	40	601	47.84	66.62	2.55	0.4088	0.5693	0.0218	103.4	31 559 -1 559c	
20	500	-1	500c	93.44	85.58	1.94	0.5163	0.4728	0.0107	43.5	35 576 13 469	
22	510	-1	510c	93.37	82.8	1.07	0.5267	0.4671	0.006	36.9	35 577 15 475	
23	520	-1	519c	93.23	80.86	0.8	0.533	0.4623	0.0045	32.6	35 578 15 478	Ym
26	530	-1	530c	91.87	72.91	0.31	0.5564	0.4416	0.0019	17.4	36 582 16 484	
28	540	-1	540c	89.78	66.13	0.16	0.5752	0.4236	0.001	7.2	37 585 17 487	
29	545	-1	545c	88.28	62.39	0.12	0.5854	0.4137	0.0008	2.6	37 586 17 489	
29	550	-1	549c	88.28	62.39	0.12	0.5854	0.4137	0.0008	2.6	37 586 17 489	
30	555	-1	554c	86.42	58.48	0.09	0.596	0.4033	0.0006	358.4	37 588 18 490	
32	560	-1	560c	81.48	50.25	0.06	0.6182	0.3813	0.0004	351.3	38 593 18 492	
34	574	0	405	86.2	52.06	4.25	0.6048	0.3653	0.0298	345.0	39 599 18 494	Rm
34	574	6	435	86.91	51.9	8.59	0.5895	0.352	0.0583	338.7	42 611 19 496	
34	574	9	450	87.87	51.66	15.06	0.5683	0.3341	0.0974	328.7	-1 501c 20 501	
35	575	12	460	88.81	51.47	22.73	0.5447	0.3157	0.1394	316.7	-1 508c 21 508	
35	575	13	465	88.78	51.23	25.15	0.5375	0.3101	0.1522	312.7	-1 512c 22 512	
35	576	13	470	88.16	50.64	25.15	0.5377	0.3088	0.1534	312.4	-1 513c 22 513	
35	577	14	475	87.48	49.88	27.27	0.5313	0.3029	0.1656	308.7	-1 519c 23 519	Mm
35	579	16	480	86.24	48.91	30.53	0.5205	0.2951	0.1842	303.0	-1 532c 26 532	
36	582	17	485	83.39	46.8	31.7	0.5151	0.289	0.1958	299.7	-1 540c 28 540	
37	588	18	490	77.66	42.83	32.63	0.5071	0.2797	0.213	295.0	-1 548c 29 548	min
40	601	19	495	63.07	34.34	33.37	0.4822	0.2626	0.2551	283.4	-1 559c 31 559	
-1	500c	20	500	17.46	15.38	33.97	0.2613	0.2302	0.5083	223.5	13 469 35 576	
-1	510c	22	510	17.53	18.16	34.84	0.2485	0.2575	0.4939	217.0	15 475 35 577	
-1	519c	23	520	17.67	20.1	35.12	0.2424	0.2757	0.4817	212.7	15 478 35 578	Bm
-1	530c	26	530	19.04	28.06	35.61	0.2302	0.3392	0.4305	197.4	16 484 36 582	
-1	540c	28	540	21.13	34.84	35.76	0.2303	0.3797	0.3898	187.2	17 487 37 585	
-1	545c	29	545	22.63	38.57	35.8	0.2333	0.3976	0.369	182.6	17 489 37 586	
-1	549c	29	550	22.63	38.57	35.8	0.2333	0.3976	0.369	182.6	17 489 37 586	
-1	554c	30	555	24.49	42.48	35.83	0.2382	0.4132	0.3485	178.4	18 490 37 588	
-1	560c	32	560	29.43	50.71	35.86	0.2537	0.4371	0.3091	171.2	18 492 38 593	
380	770	98.26	89.45	31.82	0.4475	0.4074	0.1449	0.0				

TUB-test chart CE71; CIE (x, y) and chromaticities (a_i, b_i)

Ostwald optimal colours for illuminant A00; diagram for illuminant A00, $Y_w=88,6$

input: w/rgb/cmyk -> rgb



TUB registration: 20170801-CE71/CE71L0NP.PDF /PS
application for measurement of offset print output

TUB material: code=rha4ta

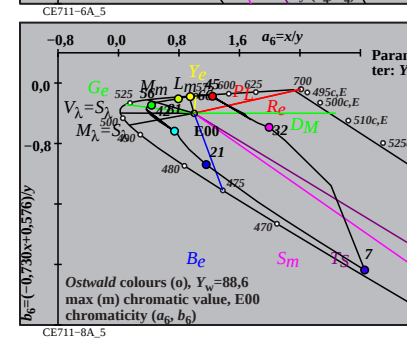
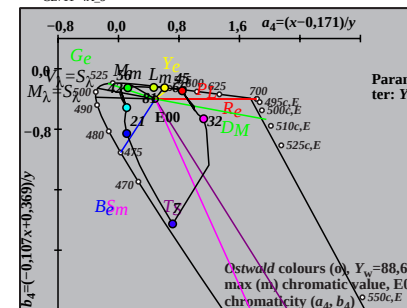
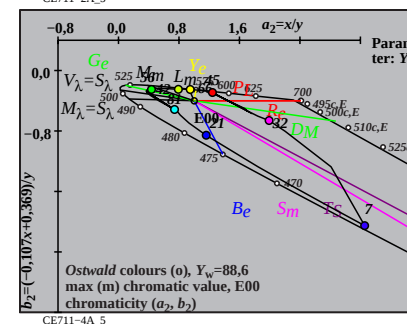
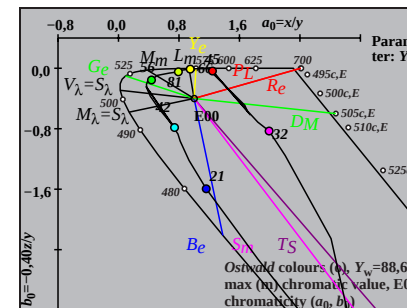
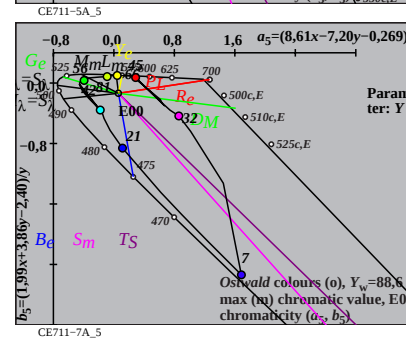
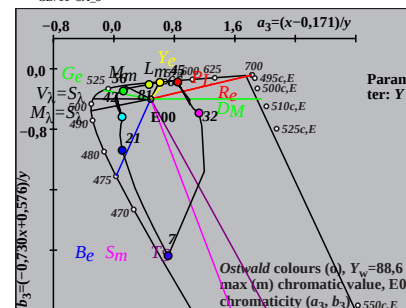
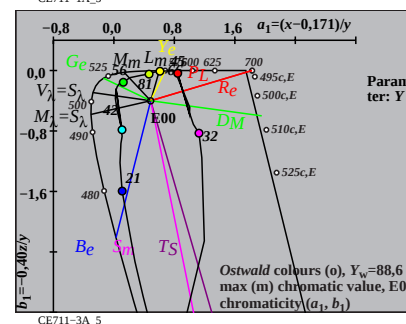
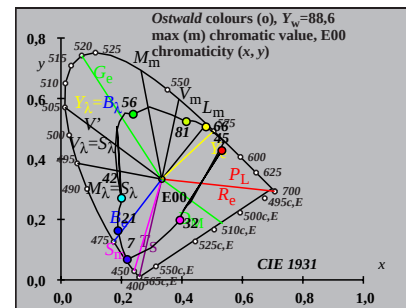
Ostwald optimal colours (o) of maximum (m) C_{AB} for E00, $Y_w=88,6$, $Y_m=520\text{--}770$

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	32 564	28.76	50.87	87.07	0.1725	0.3051	0.5222	189.9	16 484	38 592	Cm
7 435	33 565	24.08	51.22	62.02	0.1753	0.3729	0.4516	165.8	17 489	-1 489c	
10 450	33 566	20.65	51.78	40.05	0.1835	0.4603	0.3561	139.6	19 498	-1 498c	
11 460	33 568	20.38	52.79	32.98	0.1919	0.4973	0.3107	130.7	20 502	-1 502c	
13 465	33 569	19.21	53.28	20.52	0.2065	0.5727	0.2206	117.8	22 514	-1 514c	
13 470	34 571	20.7	54.92	20.53	0.2152	0.5712	0.2135	116.3	23 516	-1 516c	
14 475	35 575	22.49	57.16	15.7	0.2358	0.5994	0.1646	110.0	25 525	-1 525c	Gm
15 480	36 581	26.82	61.07	11.87	0.2688	0.6121	0.1189	103.0	27 536	-1 536c	
17 485	39 595	37.68	67.95	6.68	0.3355	0.6049	0.0594	89.5	29 549	-1 549c	
18 490	-1 490c	73.83	83.75	4.99	0.4541	0.5151	0.0307	56.3	33 568	11 459	max
19 495	-1 495c	73.79	82.54	3.69	0.461	0.5157	0.0231	54.9	33 568	12 461	
20 500	-1 500c	73.78	81.03	2.69	0.4684	0.5144	0.0171	53.2	33 569	12 464	
21 510	-1 509c	73.75	79.14	1.92	0.4763	0.5111	0.0124	51.1	34 570	13 466	
24 520	-1 520c	73.12	70.99	0.69	0.5049	0.4902	0.0047	42.4	34 574	14 473	Ym
25 530	-1 529c	72.55	67.56	0.48	0.516	0.4805	0.0034	38.8	35 575	15 475	
28 540	-1 540c	69.32	56.0	0.16	0.5524	0.4462	0.0012	27.2	36 581	15 479	
29 545	-1 545c	67.68	51.9	0.11	0.5654	0.4336	0.0009	23.3	36 583	16 480	
29 550	-1 549c	67.68	51.9	0.11	0.5654	0.4336	0.0009	23.3	36 583	16 480	
30 555	-1 554c	65.72	47.77	0.08	0.5786	0.4205	0.0007	19.5	37 585	16 482	
32 560	-1 560c	60.79	39.54	0.05	0.6055	0.3939	0.0005	12.5	38 590	16 483	
32 564	1 405	71.23	49.12	12.92	0.5344	0.3685	0.097	9.9	38 592	16 484	Rm
33 565	7 435	75.91	48.77	37.97	0.4667	0.2998	0.2334	345.9	-1 489c	17 489	
33 566	10 450	79.34	48.21	59.94	0.4231	0.2571	0.3196	319.7	-1 498c	19 498	
33 568	11 460	79.61	47.2	67.01	0.4107	0.2435	0.3457	310.7	-1 502c	20 502	
33 569	13 465	80.78	46.71	79.47	0.3903	0.2257	0.3839	297.9	-1 514c	22 514	
34 571	13 470	79.29	45.07	79.47	0.389	0.2211	0.3898	296.4	-1 516c	23 516	
35 575	14 475	77.5	42.83	84.29	0.3787	0.2093	0.4119	290.1	-1 525c	25 525	Mm
36 581	15 480	73.17	38.92	88.13	0.3654	0.1944	0.4401	283.0	-1 536c	27 536	
39 595	17 485	62.31	32.04	93.32	0.332	0.1707	0.4972	269.5	-1 549c	29 549	
-1 490c	18 490	26.16	16.24	95.0	0.1904	0.1182	0.6913	236.4	11 459	33 568	min
-1 495c	19 495	26.2	17.45	96.3	0.1872	0.1246	0.688	235.0	12 461	33 568	
-1 500c	20 500	26.22	18.96	97.3	0.184	0.133	0.6828	233.3	12 464	33 569	
-1 509c	21 510	26.24	20.85	98.07	0.1807	0.1436	0.6755	231.2	13 466	34 570	
-1 520c	24 520	26.87	29.0	99.3	0.1731	0.1868	0.6399	222.4	14 473	34 574	Bm
-1 529c	25 530	27.44	32.43	99.51	0.1721	0.2034	0.6243	218.8	15 475	35 575	
-1 540c	28 540	30.67	43.99	99.83	0.1757	0.2521	0.5721	207.2	15 479	36 581	
-1 545c	29 545	32.31	48.09	99.88	0.1792	0.2667	0.554	203.3	16 480	36 583	
-1 549c	29 550	32.31	48.09	99.88	0.1792	0.2667	0.554	203.3	16 480	36 583	
-1 554c	30 555	34.27	52.22	99.91	0.1838	0.2801	0.5359	199.5	16 482	37 585	
-1 560c	32 560	39.2	60.45	99.94	0.1964	0.3028	0.5007	192.5	16 483	38 590	
380	770	88.59	88.59	88.59	0.3333	0.3333	0.3333	0.0			

TUB-test chart CE71; CIE (x, y) and chromaticities (a_i, b_i)

Ostwald optimal colours for illuminant E00; diagram for illuminant E00, $Y_w=88,6$

input: w/rgb/cmyk -> rgb



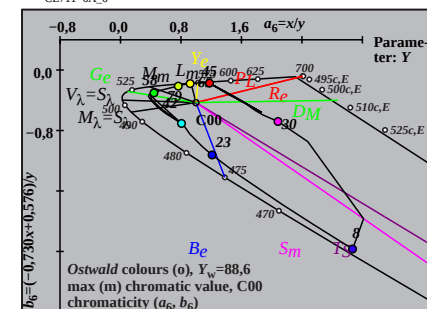
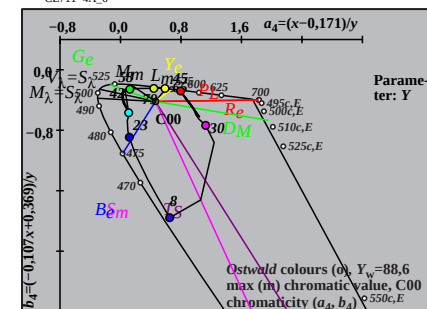
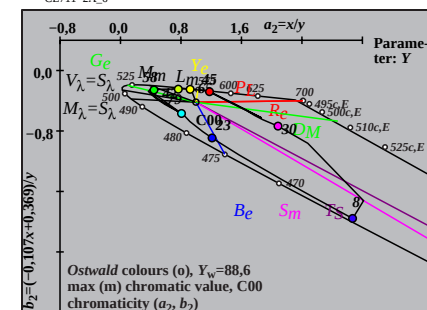
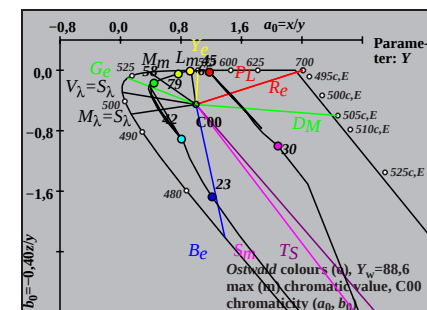
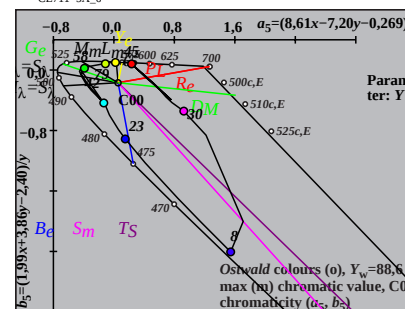
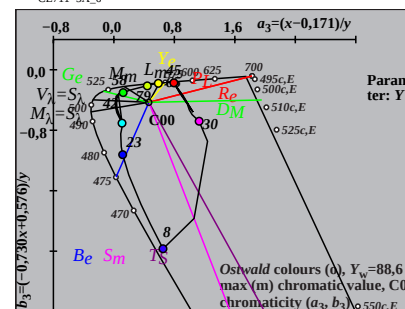
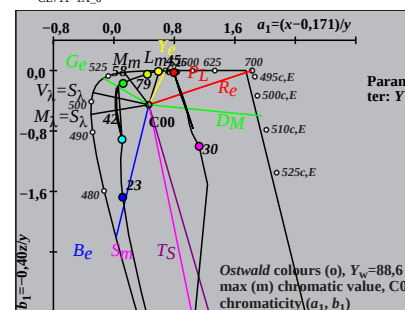
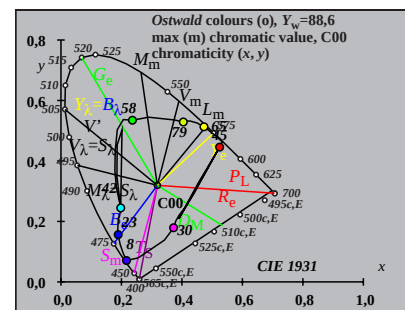
Ostwald optimal colours (o) of maximum (m) C_{AB} for C00, $Y_w=88,6$, $Y_m=520,770$

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	30.45	50.91	103.3	0.1649	0.2756	0.5593	195.5	16 482	37 589	Cm
7 435	32 563	25.32	51.4	75.62	0.1662	0.3374	0.4963	171.5	17 487	-1 487c	
10 450	32 564	21.01	52.16	48.52	0.1726	0.4286	0.3987	140.6	19 496	-1 496c	
12 460	33 566	19.26	53.09	31.63	0.1852	0.5105	0.3042	122.6	21 506	-1 506c	
12 465	33 568	20.35	54.45	31.64	0.1912	0.5115	0.2972	121.2	21 507	-1 507c	
14 470	34 570	20.07	55.57	18.45	0.2132	0.5906	0.1961	109.4	24 522	-1 522c	
15 475	35 575	22.47	58.19	13.69	0.2381	0.6167	0.1451	103.4	26 530	-1 530c	Gm
16 480	36 582	27.96	62.74	10.04	0.2775	0.6227	0.0996	96.0	28 540	-1 540c	
16 485	40 602	43.1	72.87	10.05	0.342	0.5781	0.0798	83.0	30 551	-1 551c	
18 490	-1 490c	69.2	82.38	5.3	0.441	0.525	0.0338	57.8	33 566	11 459	max
19 495	-1 495c	69.15	81.0	3.82	0.449	0.526	0.0248	56.4	33 567	12 462	
20 500	-1 500c	69.13	79.35	2.71	0.4572	0.5247	0.0179	54.7	33 567	12 464	
22 510	-1 510c	69.03	75.07	1.34	0.4746	0.5161	0.0092	50.5	33 569	13 468	
23 520	-1 519c	68.84	72.4	0.96	0.4841	0.5091	0.0067	47.9	34 571	14 470	Ym
26 530	-1 530c	67.13	62.39	0.34	0.5169	0.4804	0.0026	38.4	35 575	15 475	
27 540	-1 539c	66.05	58.48	0.23	0.5293	0.4686	0.0019	34.8	35 577	15 477	
28 545	-1 544c	64.66	54.35	0.16	0.5425	0.456	0.0013	31.0	35 579	15 478	
29 550	-1 549c	62.94	50.06	0.11	0.5563	0.4425	0.001	27.1	36 581	15 479	
30 555	-1 554c	60.88	45.7	0.08	0.5706	0.4284	0.0008	23.3	36 584	16 480	
31 560	-1 559c	58.46	41.34	0.06	0.5853	0.4139	0.0006	19.5	37 586	16 481	
32 562	1 405	67.25	48.72	14.49	0.5154	0.3734	0.111	15.5	37 589	16 482	Rm
32 563	7 435	72.39	48.22	42.17	0.4446	0.2962	0.259	351.5	-1 487c	17 487	
32 564	10 450	76.7	47.47	69.27	0.3965	0.2454	0.358	320.7	-1 496c	19 496	
33 566	12 460	78.44	46.54	86.15	0.3715	0.2204	0.408	302.7	-1 506c	21 506	
33 568	12 465	77.35	45.18	86.15	0.3706	0.2164	0.4128	301.3	-1 507c	21 507	
34 570	14 470	77.64	44.06	99.34	0.3512	0.1993	0.4494	289.4	-1 522c	24 522	
35 575	15 475	75.24	41.44	104.1	0.3407	0.1876	0.4715	283.4	-1 530c	26 530	Mm
36 582	16 480	69.74	36.89	107.75	0.3253	0.172	0.5025	276.0	-1 540c	28 540	
40 602	16 485	54.6	26.76	107.73	0.2887	0.1415	0.5697	263.0	-1 551c	30 551	
-1 490c	18 490	28.51	17.25	112.48	0.1801	0.109	0.7107	237.9	11 459	33 566	min
-1 495c	19 495	28.56	18.62	113.97	0.1772	0.1155	0.7071	236.5	12 462	33 567	
-1 500c	20 500	28.57	20.28	115.07	0.1743	0.1237	0.7019	234.8	12 464	33 567	
-1 510c	22 510	28.68	24.56	116.44	0.169	0.1447	0.6862	230.5	13 468	33 569	
-1 519c	23 520	28.87	27.23	116.83	0.1669	0.1574	0.6755	227.9	14 470	34 571	Bm
-1 530c	26 530	30.57	37.24	117.45	0.165	0.201	0.6339	218.4	15 475	35 575	
-1 539c	27 540	31.65	41.15	117.55	0.1662	0.2161	0.6175	214.8	15 477	35 577	
-1 544c	28 545	33.04	45.28	117.63	0.1686	0.231	0.6002	211.0	15 478	35 579	
-1 549c	29 550	34.76	49.56	117.67	0.1721	0.2453	0.5825	207.1	15 479	36 581	
-1 554c	30 555	36.83	53.92	117.7	0.1766	0.2586	0.5646	203.3	16 480	36 584	
-1 559c	31 560	39.25	58.28	117.73	0.1823	0.2707	0.5468	199.5	16 481	37 586	
380	770	86.56	88.26	104.35	0.31	0.3161	0.3737	0.0			

TUB-test chart CE71; CIE (x, y) and chromaticities (a_i, b_i)

Ostwald optimal colours for illuminant C00; diagram for illuminant C00, $Y_w=88,6$

input: w/rgb/cmyk -> rgb



TUB registration: 20170801-CE71/CE71L0NP.PDF /PS
application for measurement of offset print output

TUB material: code=rha4ta

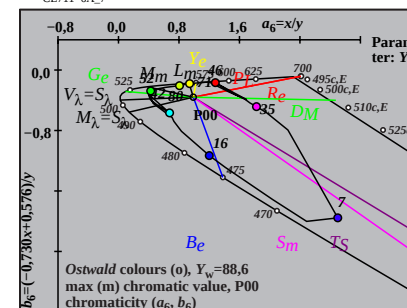
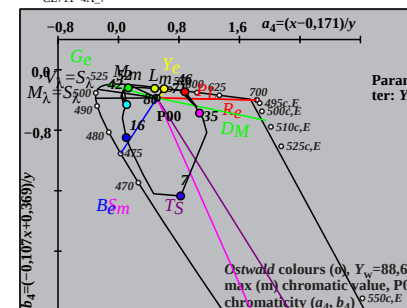
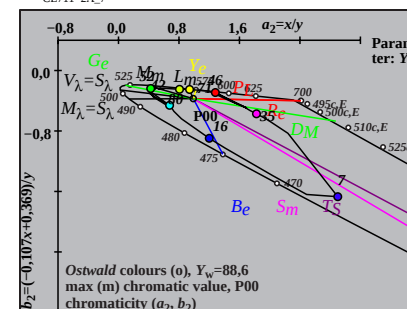
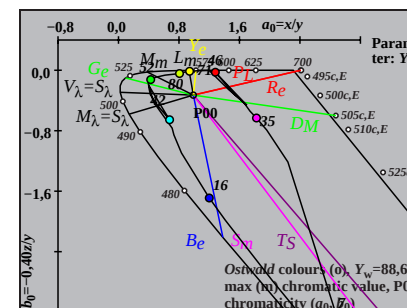
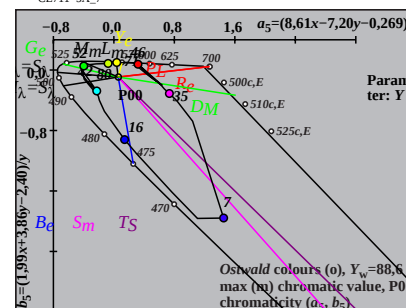
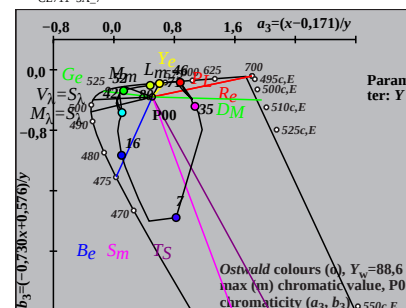
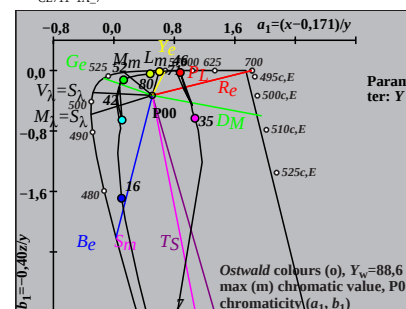
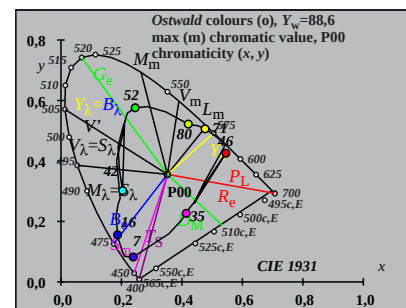
Ostwald optimal colours (o) of maximum (m) C_{AB} for P00, $Y_w=88,6$, $Y_m=520\text{--}770$

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	567	27.35	50.35	71.21	0.1837	0.3381	0.4781	184.8	17 486 38 594 Cm
7	435	33	567	23.69	50.63	51.52	0.1882	0.4023	0.4093	164.0	18 491 -1 491c
10	450	33	568	20.96	51.08	33.96	0.1977	0.4818	0.3204	141.6	19 499 -1 499c
12	460	34	570	19.81	51.66	22.71	0.2103	0.5485	0.2411	127.5	21 507 -1 507c
13	465	34	571	19.83	52.24	17.84	0.2205	0.5809	0.1984	121.5	22 513 -1 513c
14	470	34	572	20.47	53.22	13.78	0.234	0.6084	0.1575	116.3	24 521 -1 521c
14	475	35	575	22.52	55.37	13.78	0.2456	0.6039	0.1503	114.5	24 524 -1 524c Gm
16	480	36	580	25.61	57.92	7.96	0.2799	0.6329	0.087	106.0	27 537 -1 537c
17	485	37	589	33.51	63.55	6.02	0.325	0.6164	0.0584	97.6	29 547 -1 547c
18	490	45	625	63.99	78.81	4.54	0.4342	0.5348	0.0308	67.8	32 564 -1 564c max
19	495	-1	495c	78.63	83.44	3.39	0.4751	0.5042	0.0205	52.7	34 570 12 462
20	500	-1	500c	78.62	82.08	2.49	0.4817	0.5029	0.0153	50.9	34 571 13 465
22	510	-1	510c	78.52	78.26	1.29	0.4967	0.495	0.0081	46.1	34 573 14 470
24	520	-1	520c	78.01	72.83	0.66	0.5148	0.4807	0.0043	39.5	35 575 14 474 Ym
25	530	-1	529c	77.47	69.6	0.47	0.525	0.4717	0.0032	35.7	35 577 15 476
27	540	-1	539c	75.67	62.38	0.23	0.5472	0.451	0.0016	27.6	36 580 15 479
29	545	-1	545c	72.76	54.49	0.11	0.5712	0.4278	0.0009	19.4	36 584 16 482
29	550	-1	549c	72.76	54.49	0.11	0.5712	0.4278	0.0009	19.4	36 584 16 482
30	555	-1	554c	70.82	50.41	0.08	0.5837	0.4155	0.0007	15.5	37 586 16 483
32	560	-1	560c	65.89	42.18	0.05	0.6093	0.3901	0.0005	8.4	38 591 17 485
33	567	0	405	74.74	49.67	9.87	0.5565	0.3699	0.0735	4.8	38 594 17 486 Rm
33	567	7	435	78.4	49.39	29.56	0.4982	0.3139	0.1878	344.0	-1 491c 18 491
33	568	10	450	81.14	48.94	47.12	0.4578	0.2762	0.2659	321.7	-1 499c 19 499
34	570	12	460	82.28	48.36	58.37	0.4353	0.2558	0.3088	307.5	-1 507c 21 507
34	571	13	465	82.26	47.78	63.23	0.4256	0.2472	0.3271	301.6	-1 513c 22 513
34	572	14	470	81.62	46.8	67.3	0.417	0.2391	0.3438	296.3	-1 521c 24 521
35	575	14	475	79.57	44.66	67.3	0.4154	0.2331	0.3513	294.6	-1 524c 24 524 Mm
36	580	16	480	76.48	42.11	73.12	0.3989	0.2196	0.3814	286.0	-1 537c 27 537
37	589	17	485	68.58	36.48	75.06	0.3807	0.2025	0.4167	277.6	-1 547c 29 547
45	625	18	490	38.1	21.21	76.53	0.2804	0.1561	0.5633	247.9	-1 564c 32 564 min
-1	495c	19	495	23.46	16.58	77.68	0.1993	0.1408	0.6598	232.8	12 462 34 570
-1	500c	20	500	23.48	17.94	78.59	0.1956	0.1495	0.6548	231.0	13 465 34 571
-1	510c	22	510	23.57	21.76	79.79	0.1883	0.1739	0.6376	226.1	14 470 34 573
-1	520c	24	520	24.08	27.2	80.42	0.1828	0.2065	0.6105	219.5	14 474 35 575 Bm
-1	529c	25	530	24.62	30.43	80.61	0.1815	0.2243	0.5941	215.7	15 476 35 577
-1	539c	27	540	26.42	37.65	80.85	0.1823	0.2597	0.5578	207.6	15 479 36 580
-1	545c	29	545	29.33	45.54	80.97	0.1882	0.2922	0.5195	199.5	16 482 36 584
-1	549c	29	550	29.33	45.54	80.97	0.1882	0.2922	0.5195	199.5	16 482 36 584
-1	554c	30	555	31.27	49.62	80.99	0.1931	0.3065	0.5003	195.6	16 483 37 586
-1	560c	32	560	36.2	57.84	81.03	0.2067	0.3303	0.4628	188.4	17 485 38 591
380	770	90.45	88.62	71.83	0.3604	0.3531	0.2863	0.0			

TUB-test chart CE71; CIE (x, y) and chromaticities (a_i, b_{ij})

Ostwald optimal colours for illuminant P00; diagram for illuminant P00, $Y_w=88,6$

input: w/rgb/cmyk -> rgb



TUB registration: 20170801-CE71/CE71L0NP.PDF /.PS
application for measurement of offset print output

TUB material: code=rha4ta

Ostwald optimal colours (o) of maximum (m) C_{AB} for Q00, $Y_w=88,6$, $Y_m=520_770$

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	30.38	51.26	103.4	0.1641	0.277	0.5587	194.9	16 482	38 590	Cm
6 435	32 562	26.27	51.8	81.04	0.1651	0.3255	0.5093	176.0	17 486	45 628	
10 450	32 564	20.34	52.42	46.15	0.171	0.4408	0.388	137.7	19 497	-1 497c	
12 460	33 566	18.68	53.33	30.0	0.1831	0.5227	0.294	121.2	21 507	-1 507c	
13 465	33 568	18.65	54.24	23.2	0.1941	0.5644	0.2414	114.7	22 514	-1 514c	
13 470	34 570	20.32	56.25	23.2	0.2036	0.5637	0.2325	112.9	23 516	-1 516c	Gm
15 475	35 575	21.89	58.36	13.21	0.2342	0.6243	0.1413	103.6	26 530	-1 530c	Gm
16 480	36 582	27.42	62.97	9.85	0.2735	0.6281	0.0982	96.4	27 539	-1 539c	
17 485	40 602	42.95	72.57	7.33	0.3496	0.5907	0.0596	81.5	30 552	-1 552c	
18 490	-1 490c	69.0	82.99	5.43	0.4382	0.5271	0.0345	58.5	33 565	11 458	max
18 495	-1 494c	69.0	82.99	5.43	0.4382	0.5271	0.0345	58.5	33 565	11 458	
20 500	-1 500c	68.93	79.98	2.88	0.4541	0.5268	0.019	55.5	33 567	12 463	
22 510	-1 510c	68.82	75.42	1.44	0.4724	0.5176	0.0098	51.0	33 569	13 468	Ym
23 520	-1 519c	68.62	72.48	1.01	0.4828	0.51	0.0071	48.1	34 571	14 470	
25 530	-1 529c	67.63	65.53	0.49	0.5059	0.4902	0.0037	41.5	34 574	14 474	
28 540	-1 540c	64.28	53.5	0.16	0.545	0.4536	0.0013	30.3	36 580	15 478	
28 545	-1 544c	64.28	53.5	0.16	0.545	0.4536	0.0013	30.3	36 580	15 478	
29 550	-1 549c	62.6	49.32	0.11	0.5587	0.4402	0.001	26.5	36 582	15 479	
30 555	-1 554c	60.62	45.13	0.08	0.5727	0.4264	0.0007	22.7	36 584	16 480	
32 560	-1 560c	55.69	36.9	0.05	0.6011	0.3983	0.0005	15.8	37 589	16 482	
32 562	1 405	67.51	48.69	15.5	0.5125	0.3697	0.1177	14.8	38 590	16 482	Rm
32 562	6 435	71.62	48.15	37.86	0.4543	0.3054	0.2401	356.0	45 628	17 486	
32 564	10 450	77.55	47.54	72.76	0.3919	0.2402	0.3677	317.7	-1 497c	19 497	
33 566	12 460	79.21	46.63	88.91	0.3688	0.2171	0.414	301.3	-1 507c	21 507	
33 568	13 465	79.24	45.71	95.7	0.359	0.2071	0.4337	294.8	-1 514c	22 514	
34 570	13 470	77.57	43.71	95.7	0.3574	0.2014	0.441	293.0	-1 516c	23 516	
35 575	15 475	76.0	41.59	105.69	0.3403	0.1862	0.4733	283.6	-1 530c	26 530	Mm
36 582	16 480	70.47	36.98	109.06	0.3254	0.1708	0.5036	276.5	-1 539c	27 539	
40 602	17 485	54.94	27.38	111.57	0.2833	0.1412	0.5754	261.6	-1 552c	30 552	
-1 490c	18 490	28.89	16.97	113.47	0.1813	0.1065	0.7121	238.6	11 458	33 565	min
-1 494c	18 495	28.89	16.97	113.47	0.1813	0.1065	0.7121	238.6	11 458	33 565	
-1 500c	20 500	28.96	19.98	116.02	0.1755	0.1211	0.7033	235.5	12 463	33 567	
-1 510c	22 510	29.07	24.54	117.47	0.1699	0.1434	0.6866	231.0	13 468	33 569	
-1 519c	23 520	29.27	27.47	117.89	0.1676	0.1573	0.675	228.2	14 470	34 571	Bm
-1 529c	25 530	30.26	34.43	118.41	0.1652	0.188	0.6466	221.5	14 474	34 574	
-1 540c	28 540	33.61	46.45	118.75	0.169	0.2336	0.5972	210.3	15 478	36 580	
-1 544c	28 545	33.61	46.45	118.75	0.169	0.2336	0.5972	210.3	15 478	36 580	
-1 549c	29 550	35.29	50.64	118.79	0.1723	0.2473	0.5802	206.5	15 479	36 582	
-1 554c	30 555	37.27	54.83	118.82	0.1767	0.2599	0.5633	202.8	16 480	36 584	
-1 560c	32 560	42.2	63.05	118.86	0.1883	0.2813	0.5303	195.8	16 482	37 589	
380	770	86.72	88.55	105.34	0.309	0.3155	0.3753	0.0			

TUB-test chart CE71; CIE (x, y) and chromaticities (a_i, b_i)

Ostwald optimal colours for illuminant Q00; diagram for illuminant Q00, $Y_w=88,6$

input: w/rgb/cmyk -> rgb

