

see similar files: <http://farbe.li-tu-berlin.de/CEX8/CEX8.HTM>
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Ostwald optimal colours (o), maximum (m) C_{AB} for P60, $Y_N=0$, $Y_W=100$, $Y_m=520_770$														
i_1, λ_1	i_2, λ_2	Y	A_1	B_1	$C_{AB,1}$	a_1	b_1	$h_{xy,1}$	i_d, λ_d	i_c, λ_c	Code			
0 405	32 563	53.56	-55.49	-37.27	66.85	0.2242	-0.6965	213.8	16 483	38 590	Cm			
6 435	32 563	54.12	-58.87	-18.04	61.57	0.2036	-0.5515	197.0	17 487	44 621				
10 450	33 565	54.2	-62.77	11.55	63.82	0.1754	-0.3329	169.5	19 497	-1 497c				
11 460	33 566	55.45	-63.36	20.13	66.49	0.1816	-0.2729	162.3	20 502	-1 502c				
13 465	33 568	56.12	-63.45	33.7	71.85	0.1864	-0.1779	152.0	22 513	-1 513c				
14 470	34 570	57.09	-62.96	39.7	74.43	0.1975	-0.1399	147.7	24 521	-1 521c	Gm			
15 475	34 574	59.7	-61.44	46.41	76.99	0.227	-0.1072	142.9	25 529	-1 529c				
15 480	36 580	63.87	-59.47	50.76	78.18	0.2662	-0.1002	139.5	27 535	-1 535c				
17 485	39 595	70.8	-46.88	63.39	78.84	0.3738	-0.06	126.4	29 549	-1 549c				
18 490	-1 490c	85.0	-0.59	79.98	79.98	0.6358	-0.0418	90.4	33 566	11 459	max			
19 495	-1 495c	83.76	2.0	80.01	80.04	0.6482	-0.036	88.5	33 567	12 461				
20 500	-1 500c	82.2	5.18	79.42	79.59	0.6639	-0.0316	86.2	33 568	12 464				
22 510	-1 510c	77.89	13.38	76.28	77.44	0.7074	-0.0264	80.0	34 570	13 469				
24 520	-1 520c	71.91	23.5	70.72	74.53	0.7694	-0.0247	71.6	34 572	14 473	Ym			
25 530	-1 529c	68.43	28.79	67.29	73.19	0.807	-0.0248	66.8	34 574	15 475				
27 540	-1 539c	60.8	38.92	59.57	71.16	0.8947	-0.0262	56.8	35 578	15 478				
29 545	-1 545c	52.69	47.47	51.21	69.83	0.999	-0.0294	47.1	36 582	16 480				
29 550	-1 549c	52.69	47.47	51.21	69.83	0.999	-0.0294	47.1	36 582	16 480				
30 555	-1 554c	48.59	50.83	46.95	69.2	1.0571	-0.0316	42.7	36 584	16 481				
32 560	-1 560c	40.5	55.2	38.52	67.31	1.1839	-0.0376	34.9	37 589	16 483				
32 563	0 405	46.43	55.49	37.27	66.85	1.1167	-0.097	33.8	38 590	16 483	Rm			
32 563	6 435	45.87	58.87	18.04	61.57	1.152	-0.2608	17.0	44 621	17 487				
33 565	10 450	45.79	62.76	-11.55	63.81	1.1869	-0.519	349.5	-1 497c	19 497				
33 566	11 460	44.54	63.35	-20.13	66.47	1.2076	-0.5989	342.3	-1 502c	20 502				
33 568	13 465	43.87	63.44	-33.69	71.83	1.217	-0.7253	332.0	-1 513c	22 513				
34 570	14 470	42.9	62.94	-39.69	74.41	1.2255	-0.7882	327.7	-1 521c	24 521	Mm			
34 574	15 475	40.29	61.42	-46.39	76.97	1.2483	-0.8786	322.9	-1 529c	25 529				
36 580	15 480	36.12	59.44	-50.74	78.16	1.2969	-0.9799	319.5	-1 535c	27 535				
39 595	17 485	29.19	46.85	-63.36	78.8	1.2808	-1.2864	306.4	-1 549c	29 549				
-1 490c	18 490	14.99	0.59	-79.92	79.92	0.6546	-2.5507	270.4	11 459	33 566	min			
-1 495c	19 495	16.23	-2.0	-79.96	79.99	0.5892	-2.3881	268.5	12 461	33 567				
-1 500c	20 500	17.79	-5.17	-79.37	79.54	0.5223	-2.2019	266.2	12 464	33 568				
-1 510c	22 510	22.1	-13.37	-76.24	77.41	0.3966	-1.7979	260.0	13 469	34 570				
-1 520c	24 520	28.08	-23.49	-70.7	74.5	0.304	-1.4253	251.6	14 473	34 572	Bm			
-1 529c	25 530	31.56	-28.78	-67.27	73.17	0.2738	-1.2706	246.8	15 475	34 574				
-1 539c	27 540	39.19	-38.91	-59.55	71.14	0.2415	-1.0259	236.8	15 478	35 578				
-1 545c	29 545	47.3	-47.46	-51.2	69.82	0.2372	-0.8511	227.1	16 480	36 582				
-1 549c	29 550	47.3	-47.46	-51.2	69.82	0.2372	-0.8511	227.1	16 480	36 582				
-1 554c	30 555	51.4	-50.83	-46.94	69.19	0.2431	-0.7834	222.7	16 481	36 584				
-1 560c	32 560	59.49	-55.19	-38.52	67.31	0.2676	-0.6771	214.9	16 483	37 589				
W0 380	770	99.99	0.0	0.0	0.0	0.6386	-0.4181	0.0	$B_c=1,000$					
N0 380	770	3.99	0.0	0.0	0.0	0.6386	-0.4181	0.0	$x_c=0,110$					

CEX80-7N

TUB-test chart CEX8; Hue circle of the *Ostwald* optimal colours with Y values, $Y_N=0,0$, $Y_W=100$
Data: $YA_1B_1C_{AB,1}h_{AB,1}$ and $YA_2B_2C_{AB,2}h_{AB,2}$ as table with different wavelength, P60-02

Ostwald optimal colours (o), maximum (m) C _{AB} for P60, Y _N =0, Y _W =100, Y _m =520_770														
i ₁ , λ ₁	i ₂ , λ ₂	Y	A ₂	B ₂	C _{AB,2}	a ₂	b ₂	h _{xy,2}	i _d , λ _d	i _c , λ _c	Code			
0 405	32 563	53.56	-55.49	-29.81	62.99	0.2242	-0.6965	208.2	16 483	38 590	Cm			
6 435	32 563	54.12	-58.87	-14.43	60.61	0.2036	-0.5515	193.7	17 487	44 621				
10 450	33 565	54.2	-62.77	9.24	63.45	0.1754	-0.3329	171.6	19 497	-1 497c				
11 460	33 566	55.45	-63.36	16.11	65.38	0.1816	-0.2729	165.7	20 502	-1 502c				
13 465	33 568	56.12	-63.45	26.96	68.94	0.1864	-0.1779	156.9	22 513	-1 513c				
14 470	34 570	57.09	-62.96	31.76	70.52	0.1975	-0.1399	153.2	24 521	-1 521c	Gm			
15 475	34 574	59.7	-61.44	37.12	71.78	0.227	-0.1072	148.8	25 529	-1 529c				
15 480	36 580	63.87	-59.47	40.6	72.01	0.2662	-0.1002	145.6	27 535	-1 535c				
17 485	39 595	70.8	-46.88	50.71	69.06	0.3738	-0.06	132.7	29 549	-1 549c				
18 490	-1 490c	85.0	-0.59	63.98	63.98	0.6358	-0.0418	90.5	33 566	11 459	max			
19 495	-1 495c	83.76	2.0	64.01	64.04	0.6482	-0.036	88.2	33 567	12 461				
20 500	-1 500c	82.2	5.18	63.53	63.74	0.6639	-0.0316	85.3	33 568	12 464				
22 510	-1 510c	77.89	13.38	61.02	62.47	0.7074	-0.0264	77.6	34 570	13 469				
24 520	-1 520c	71.91	23.5	56.58	61.26	0.7694	-0.0247	67.4	34 572	14 473	Ym			
25 530	-1 529c	68.43	28.79	53.83	61.05	0.807	-0.0248	61.8	34 574	15 475				
27 540	-1 539c	60.8	38.92	47.65	61.53	0.8947	-0.0262	50.7	35 578	15 478				
29 545	-1 545c	52.69	47.47	40.97	62.7	0.999	-0.0294	40.7	36 582	16 480				
29 550	-1 549c	52.69	47.47	40.97	62.7	0.999	-0.0294	40.7	36 582	16 480				
30 555	-1 554c	48.59	50.83	37.56	63.2	1.0571	-0.0316	36.4	36 584	16 481				
32 560	-1 560c	40.5	55.2	30.82	63.22	1.1839	-0.0376	29.1	37 589	16 483				
32 563	0 405	46.43	55.49	29.82	63.0	1.1167	-0.097	28.2	38 590	16 483	Rm			
32 563	6 435	45.87	58.87	14.43	60.61	1.152	-0.2608	13.7	44 621	17 487				
33 565	10 450	45.79	62.76	-9.24	63.44	1.1869	-0.519	351.6	-1 497c	19 497				
33 566	11 460	44.54	63.35	-16.1	65.37	1.2076	-0.5989	345.7	-1 502c	20 502				
33 568	13 465	43.87	63.44	-26.95	68.92	1.217	-0.7253	336.9	-1 513c	22 513				
34 570	14 470	42.9	62.94	-31.75	70.5	1.2255	-0.7882	333.2	-1 521c	24 521	Mm			
34 574	15 475	40.29	61.42	-37.11	71.76	1.2483	-0.8786	328.8	-1 529c	25 529				
36 580	15 480	36.12	59.44	-40.59	71.98	1.2969	-0.9799	325.6	-1 535c	27 535				
39 595	17 485	29.19	46.85	-50.68	69.03	1.2808	-1.2864	312.7	-1 549c	29 549				
-1 490c	18 490	14.99	0.59	-63.93	63.94	0.6546	-2.5507	270.5	11 459	33 566	min			
-1 495c	19 495	16.23	-2.0	-63.97	64.0	0.5892	-2.3881	268.2	12 461	33 567				
-1 500c	20 500	17.79	-5.17	-63.49	63.71	0.5223	-2.2019	265.3	12 464	33 568				
-1 510c	22 510	22.1	-13.37	-60.99	62.44	0.3966	-1.7979	257.6	13 469	34 570				
-1 520c	24 520	28.08	-23.49	-56.56	61.24	0.304	-1.4253	247.4	14 473	34 572	Bm			
-1 529c	25 530	31.56	-28.78	-53.81	61.03	0.2738	-1.2706	241.8	15 475	34 574				
-1 539c	27 540	39.19	-38.91	-47.64	61.52	0.2415	-1.0259	230.7	15 478	35 578				
-1 545c	29 545	47.3	-47.46	-40.96	62.7	0.2372	-0.8511	220.7	16 480	36 582				
-1 549c	29 550	47.3	-47.46	-40.96	62.7	0.2372	-0.8511	220.7	16 480	36 582				
-1 554c	30 555	51.4	-50.83	-37.55	63.2	0.2431	-0.7834	216.4	16 481	36 584				
-1 560c	32 560	59.49	-55.19	-30.81	63.21	0.2676	-0.6771	209.1	16 483	37 589				
W0 380	770	99.99	0.0	0.0	0.0	0.6386	-0.3345	0.0	B _c =0,800					
N0 380	770	3.99	0.0	0.0	0.0	0.6386	-0.3345	0.0	x _c =0,110					

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technical information: <http://farbe.li-tu-berlin.de> or <http://130.149.60.45/~farbmetrik>

Ostwald optimal colours (o), maximum (m) C _{AB} for P55, Y _N =0, Y _W =100, Y _m =520_770														
i ₁ , λ ₁	i ₂ , λ ₂	Y	A ₁	B ₁	C _{AB,1}	a ₁	b ₁	h _{xy,1}	i _d , λ _d	i _c , λ _c	Code			
1 405	32 564	53.53	-56.78	-33.72	66.05	0.2272	-0.6358	210.7	16 484	38 591	Cm			
6 435	32 564	54.05	-59.71	-17.18	62.14	0.2097	-0.511	196.0	17 488	44 620				
9 450	33 565	54.21	-62.43	2.96	62.5	0.1909	-0.3619	177.2	18 494	-1 494c				
11 460	33 567	55.19	-63.65	17.46	66.01	0.1903	-0.2572	164.6	20 502	-1 502c				
13 465	33 568	55.8	-63.75	29.99	70.45	0.1945	-0.1688	154.8	22 513	-1 513c				
14 470	34 570	56.61	-63.23	35.44	72.49	0.2048	-0.1334	150.7	24 520	-1 520c	Gm			
15 475	34 574	58.99	-61.89	41.46	74.5	0.2319	-0.1026	146.1	25 529	-1 529c				
16 480	36 580	62.08	-59.16	47.31	75.75	0.2703	-0.0789	141.3	27 536	-1 536c				
17 485	38 592	68.99	-49.75	56.13	75.01	0.3631	-0.0583	131.5	29 547	-1 547c				
17 490	-1 489c	86.27	-2.13	72.7	72.73	0.6417	-0.0467	91.6	33 566	11 456	max			
19 495	-1 495c	84.12	2.46	73.59	73.64	0.6633	-0.0338	88.0	33 567	12 462				
19 500	-1 499c	84.12	2.46	73.59	73.64	0.6633	-0.0338	88.0	33 567	12 462				
21 510	-1 509c	80.75	9.28	72.11	72.71	0.6975	-0.0265	82.6	33 569	13 467				
24 520	-1 520c	72.63	23.67	65.55	69.7	0.7819	-0.0228	70.1	34 573	14 474	Ym			
26 530	-1 530c	65.55	34.2	59.11	68.29	0.8603	-0.0231	59.9	35 576	15 477				
27 540	-1 539c	61.69	39.2	55.51	67.96	0.9057	-0.0238	54.7	35 578	15 479				
28 545	-1 544c	57.71	43.82	51.76	67.82	0.9553	-0.025	49.7	36 580	16 480				
30 550	-1 550c	49.55	51.43	44.01	67.69	1.0667	-0.0285	40.5	37 585	16 482				
30 555	-1 554c	49.55	51.43	44.01	67.69	1.0667	-0.0285	40.5	37 585	16 482				
32 560	-1 560c	41.43	56.07	36.25	66.77	1.1928	-0.0338	32.8	38 590	16 484				
32 564	1 405	46.46	56.79	33.72	66.05	1.1405	-0.0934	30.7	38 591	16 484	Rm			
32 564	6 435	45.94	59.71	17.18	62.13	1.1714	-0.2341	16.0	44 620	17 488				
33 565	9 450	45.78	62.42	-2.96	62.49	1.197	-0.4097	357.2	-1 494c	18 494				
33 567	11 460	44.8	63.64	-17.46	65.99	1.2198	-0.5397	344.6	-1 502c	20 502				
33 568	13 465	44.19	63.73	-29.98	70.44	1.2284	-0.6552	334.8	-1 513c	22 513				
34 570	14 470	43.38	63.22	-35.43	72.47	1.2345	-0.7105	330.7	-1 520c	24 520	Mm			
34 574	15 475	41.0	61.87	-41.45	74.48	1.2552	-0.7882	326.1	-1 529c	25 529				
36 580	16 480	37.91	59.14	-47.29	75.73	1.2755	-0.8827	321.3	-1 536c	27 536				
38 592	17 485	31.0	49.73	-56.11	74.98	1.2932	-1.1077	311.5	-1 547c	29 547				
-1 489c	17 490	13.72	2.13	-72.65	72.68	0.7137	-2.5011	271.6	11 456	33 566	min			
-1 495c	19 495	15.87	-2.46	-73.55	73.59	0.5895	-2.2375	268.0	12 462	33 567				
-1 499c	19 500	15.87	-2.46	-73.55	73.59	0.5895	-2.2375	268.0	12 462	33 567				
-1 509c	21 510	19.24	-9.27	-72.08	72.67	0.4587	-1.8818	262.6	13 467	33 569				
-1 520c	24 520	27.36	-23.67	-65.53	69.68	0.3055	-1.3419	250.1	14 474	34 573	Bm			
-1 530c	26 530	34.44	-34.19	-59.1	68.28	0.2545	-1.0701	239.9	15 477	35 576				
-1 539c	27 540	38.3	-39.19	-55.5	67.95	0.2422	-0.9635	234.7	15 479	35 578				
-1 544c	28 545	42.28	-43.82	-51.75	67.81	0.237	-0.8734	229.7	16 480	36 580				
-1 550c	30 550	50.44	-51.42	-44.0	67.68	0.2437	-0.7327	220.5	16 482	37 585				
-1 554c	30 555	50.44	-51.42	-44.0	67.68	0.2437	-0.7327	220.5	16 482	37 585				
-1 560c	32 560	58.56	-56.06	-36.25	66.76	0.2686	-0.6314	212.8	16 484	38 590				
W0	380	770	100.0	0.0	0.0	0.6516	-0.3838	0.0	B _c =1,000					
N0	380	770	4.0	0.0	0.0	0.6516	-0.3838	0.0	x _c =0,110					

CEX80-7N

TUB-test chart CEX8; Hue circle of the *Ostwald* optimal colours with Y values, Y_N=0,0, Y_W=100
Data: YA₁B₁C_{AB,1}h_{AB,1} and YA₂B₂C_{AB,2}h_{AB,2} as table with different wavelength, P55-02

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Ostwald optimal colours (o), maximum (m) C _{AB} for P55, Y _N =0, Y _W =100, Y _m =520_770													
i ₁ , λ ₁	i ₂ , λ ₂	Y	A ₂	B ₂	C _{AB,2}	a ₂	b ₂	h _{xy,2}	i _d , λ _d	i _c , λ _c	Code		
1 405	32 564	53.53	-56.78	-30.35	64.39	0.2272	-0.6358	208.1	16 484	38 591	Cm		
6 435	32 564	54.05	-59.71	-15.46	61.68	0.2097	-0.511	194.5	17 488	44 620			
9 450	33 565	54.21	-62.43	2.66	62.49	0.1909	-0.3619	177.5	18 494	-1 494c			
11 460	33 567	55.19	-63.65	15.72	65.56	0.1903	-0.2572	166.1	20 502	-1 502c			
13 465	33 568	55.8	-63.75	26.99	69.23	0.1945	-0.1688	157.0	22 513	-1 513c			
14 470	34 570	56.61	-63.23	31.9	70.83	0.2048	-0.1334	153.2	24 520	-1 520c	Gm		
15 475	34 574	58.99	-61.89	37.32	72.27	0.2319	-0.1026	148.9	25 529	-1 529c			
16 480	36 580	62.08	-59.16	42.58	72.89	0.2703	-0.0789	144.2	27 536	-1 536c			
17 485	38 592	68.99	-49.75	50.52	70.91	0.3631	-0.0583	134.5	29 547	-1 547c			
17 490	-1 489c	86.27	-2.13	65.43	65.47	0.6417	-0.0467	91.8	33 566	11 456	max		
19 495	-1 495c	84.12	2.46	66.23	66.28	0.6633	-0.0338	87.8	33 567	12 462			
19 500	-1 499c	84.12	2.46	66.23	66.28	0.6633	-0.0338	87.8	33 567	12 462			
21 510	-1 509c	80.75	9.28	64.9	65.56	0.6975	-0.0265	81.8	33 569	13 467			
24 520	-1 520c	72.63	23.67	59.0	63.57	0.7819	-0.0228	68.1	34 573	14 474	Ym		
26 530	-1 530c	65.55	34.2	53.2	63.24	0.8603	-0.0231	57.2	35 576	15 477			
27 540	-1 539c	61.69	39.2	49.96	63.51	0.9057	-0.0238	51.8	35 578	15 479			
28 545	-1 544c	57.71	43.82	46.58	63.96	0.9553	-0.025	46.7	36 580	16 480			
30 550	-1 550c	49.55	51.43	39.61	64.91	1.0667	-0.0285	37.6	37 585	16 482			
30 555	-1 554c	49.55	51.43	39.61	64.91	1.0667	-0.0285	37.6	37 585	16 482			
32 560	-1 560c	41.43	56.07	32.63	64.87	1.1928	-0.0338	30.1	38 590	16 484			
32 564	1 405	46.46	56.79	30.35	64.39	1.1405	-0.0934	28.1	38 591	16 484	Rm		
32 564	6 435	45.94	59.71	15.46	61.68	1.1714	-0.2341	14.5	44 620	17 488			
33 565	9 450	45.78	62.42	-2.66	62.48	1.197	-0.4097	357.5	-1 494c	18 494			
33 567	11 460	44.8	63.64	-15.71	65.55	1.2198	-0.5397	346.1	-1 502c	20 502			
33 568	13 465	44.19	63.73	-26.98	69.21	1.2284	-0.6552	337.0	-1 513c	22 513			
34 570	14 470	43.38	63.22	-31.89	70.81	1.2345	-0.7105	333.2	-1 520c	24 520	Mm		
34 574	15 475	41.0	61.87	-37.3	72.25	1.2552	-0.7882	328.9	-1 529c	25 529			
36 580	16 480	37.91	59.14	-42.56	72.87	1.2755	-0.8827	324.2	-1 536c	27 536			
38 592	17 485	31.0	49.73	-50.5	70.88	1.2932	-1.1077	314.5	-1 547c	29 547			
-1 489c	17 490	13.72	2.13	-65.38	65.42	0.7137	-2.5011	271.8	11 456	33 566	min		
-1 495c	19 495	15.87	-2.46	-66.19	66.24	0.5895	-2.2375	267.8	12 462	33 567			
-1 499c	19 500	15.87	-2.46	-66.19	66.24	0.5895	-2.2375	267.8	12 462	33 567			
-1 509c	21 510	19.24	-9.27	-64.87	65.53	0.4587	-1.8818	261.8	13 467	33 569			
-1 520c	24 520	27.36	-23.67	-58.98	63.55	0.3055	-1.3419	248.1	14 474	34 573	Bm		
-1 530c	26 530	34.44	-34.19	-53.19	63.23	0.2545	-1.0701	237.2	15 477	35 576			
-1 539c	27 540	38.3	-39.19	-49.95	63.49	0.2422	-0.9635	231.8	15 479	35 578			
-1 544c	28 545	42.28	-43.82	-46.58	63.95	0.237	-0.8734	226.7	16 480	36 580			
-1 550c	30 550	50.44	-51.42	-39.6	64.91	0.2437	-0.7327	217.6	16 482	37 585			
-1 554c	30 555	50.44	-51.42	-39.6	64.91	0.2437	-0.7327	217.6	16 482	37 585			
-1 560c	32 560	58.56	-56.06	-32.62	64.87	0.2686	-0.6314	210.1	16 484	38 590			
W0 380	770	100.0	0.0	0.0	0.0	0.6516	-0.3454	0.0	B _c =0,900				
N0 380	770	4.0	0.0	0.0	0.0	0.6516	-0.3454	0.0	x _c =0,110				

see similar files: <http://farbe.li-tu-berlin.de/CEX8/CEX8.HTM>
technical information: <http://farbe.li-tu-berlin.de> or <http://130.149.60.45/~farbmetrik>

Ostwald optimal colours (o), maximum (m) C _{AB} for P50, Y _N =0, Y _W =100, Y _m =520_770														
i ₁ , λ ₁	i ₂ , λ ₂	Y	A ₁	B ₁	C _{AB,1}	a ₁	b ₁	h _{xy,1}	i _d , λ _d	i _c , λ _c	Code			
0 405	33 565	52.86	-57.91	-31.51	65.93	0.2297	-0.5843	208.5	17 485	38 592	Cm			
7 435	33 565	53.24	-61.26	-11.15	62.26	0.2077	-0.4296	190.3	18 490	-1 490c				
9 450	33 566	54.01	-62.94	1.64	62.96	0.2018	-0.3337	178.5	19 495	-1 495c				
11 460	33 568	54.89	-64.07	14.64	65.72	0.201	-0.2392	167.1	20 502	-1 502c				
12 465	33 569	55.73	-64.37	21.13	67.75	0.2059	-0.1942	161.8	21 507	-1 507c				
14 470	34 571	56.07	-63.61	30.87	70.7	0.2142	-0.1257	154.1	24 520	-1 520c	Gm			
15 475	34 574	58.2	-62.46	36.17	72.18	0.2386	-0.0973	149.9	25 528	-1 528c				
16 480	35 579	61.34	-59.86	41.57	72.88	0.2775	-0.0748	145.2	27 536	-1 536c				
16 485	37 589	67.88	-54.19	47.21	71.87	0.3485	-0.0676	138.9	28 544	-1 544c				
17 490	47 636	83.91	-12.02	63.13	64.26	0.6106	-0.0449	100.7	33 565	-1 565c				
19 495	-1 495c	84.54	2.92	66.46	66.52	0.6817	-0.0314	87.4	33 568	12 462	max			
20 500	-1 500c	83.11	5.92	66.17	66.43	0.6964	-0.0274	84.8	33 569	13 465				
21 510	-1 509c	81.32	9.56	65.35	66.04	0.7149	-0.0244	81.6	34 570	13 468				
24 520	-1 520c	73.48	23.79	59.75	64.31	0.7974	-0.0206	68.2	34 574	14 474	Ym			
26 530	-1 530c	66.55	34.35	54.11	64.09	0.8744	-0.0207	57.5	35 577	15 478				
28 540	-1 540c	58.82	44.16	47.59	64.92	0.9682	-0.0222	47.1	36 581	16 481				
28 545	-1 544c	58.82	44.16	47.59	64.92	0.9682	-0.0222	47.1	36 581	16 481				
30 550	-1 550c	50.71	52.05	40.65	66.04	1.0784	-0.0252	37.9	37 585	16 483				
30 555	-1 554c	50.71	52.05	40.65	66.04	1.0784	-0.0252	37.9	37 585	16 483				
32 560	-1 560c	42.57	57.03	33.65	66.22	1.2037	-0.0297	30.5	38 590	17 485				
33 565	0 405	47.13	57.91	31.51	65.93	1.1594	-0.0784	28.5	38 592	17 485	Rm			
33 565	7 435	46.75	61.25	11.15	62.26	1.192	-0.2504	10.3	-1 490c	18 490				
33 566	9 450	45.98	62.93	-1.64	62.95	1.2153	-0.3601	358.5	-1 495c	19 495				
33 568	11 460	45.1	64.06	-14.63	65.71	1.2361	-0.4757	347.1	-1 502c	20 502				
33 569	12 465	44.26	64.35	-21.12	67.73	1.2495	-0.5368	341.8	-1 507c	21 507				
34 571	14 470	43.92	63.59	-30.86	70.69	1.2471	-0.6269	334.1	-1 520c	24 520	Mm			
34 574	15 475	41.79	62.44	-36.16	72.16	1.2656	-0.692	329.9	-1 528c	25 528				
35 579	16 480	38.65	59.85	-41.55	72.86	1.2872	-0.7759	325.2	-1 536c	27 536				
37 589	16 485	32.11	54.17	-47.2	71.85	1.3426	-0.9337	318.9	-1 544c	28 544				
47 636	17 490	16.08	12.02	-63.09	64.22	0.9668	-1.9149	280.7	-1 565c	33 565				
-1 495c	19 495	15.45	-2.91	-66.42	66.48	0.5924	-2.0652	267.4	12 462	33 568	min			
-1 500c	20 500	16.88	-5.92	-66.14	66.4	0.5275	-1.9129	264.8	13 465	33 569				
-1 509c	21 510	18.67	-9.55	-65.32	66.01	0.4632	-1.7449	261.6	13 468	34 570				
-1 520c	24 520	26.51	-23.78	-59.73	64.29	0.3092	-1.2469	248.2	14 474	34 574	Bm			
-1 530c	26 530	33.44	-34.35	-54.1	64.08	0.257	-0.9929	237.5	15 478	35 577				
-1 540c	28 540	41.17	-44.15	-47.59	64.92	0.2389	-0.8082	227.1	16 481	36 581				
-1 544c	28 545	41.17	-44.15	-47.59	64.92	0.2389	-0.8082	227.1	16 481	36 581				
-1 550c	30 550	49.28	-52.04	-40.65	66.04	0.2455	-0.6758	217.9	16 483	37 585				
-1 554c	30 555	49.28	-52.04	-40.65	66.04	0.2455	-0.6758	217.9	16 483	37 585				
-1 560c	32 560	57.42	-57.02	-33.65	66.21	0.2706	-0.5803	210.5	17 485	38 590				
W0	380	770	100.0	0.0	0.0	0.6679	-0.3459	0.0	B _c =1,000					
N0	380	770	4.0	0.0	0.0	0.6679	-0.3459	0.0	x _c =0,110					

CEX80-7N

TUB-test chart CEX8; Hue circle of the *Ostwald* optimal colours with Y values, Y_N=0,0, Y_W=100
Data: YA₁B₁C_{AB,1}h_{AB,1} and YA₂B₂C_{AB,2}h_{AB,2} as table with different wavelength, P50-02

1-000200-F0

Ostwald optimal colours (o), maximum (m) C _{AB} for P50, Y _N =0, Y _W =100, Y _m =520_770												
i ₁ , λ ₁	i ₂ , λ ₂	Y	A ₂	B ₂	C _{AB,2}	a ₂	b ₂	h _{xy,2}	i _d , λ _d	i _c , λ _c	Code	
0 405	33 565	52.86	-57.91	-31.51	65.93	0.2297	-0.5843	208.5	17 485	38 592	Cm	
7 435	33 565	53.24	-61.26	-11.15	62.26	0.2077	-0.4296	190.3	18 490	-1 490c		
9 450	33 566	54.01	-62.94	1.64	62.96	0.2018	-0.3337	178.5	19 495	-1 495c		
11 460	33 568	54.89	-64.07	14.64	65.72	0.201	-0.2392	167.1	20 502	-1 502c		
12 465	33 569	55.73	-64.37	21.13	67.75	0.2059	-0.1942	161.8	21 507	-1 507c		
14 470	34 571	56.07	-63.61	30.87	70.7	0.2142	-0.1257	154.1	24 520	-1 520c	Gm	
15 475	34 574	58.2	-62.46	36.17	72.18	0.2386	-0.0973	149.9	25 528	-1 528c		
16 480	35 579	61.34	-59.86	41.57	72.88	0.2775	-0.0748	145.2	27 536	-1 536c		
16 485	37 589	67.88	-54.19	47.21	71.87	0.3485	-0.0676	138.9	28 544	-1 544c		
17 490	47 636	83.91	-12.02	63.13	64.26	0.6106	-0.0449	100.7	33 565	-1 565c		
19 495	-1 495c	84.54	2.92	66.46	66.52	0.6817	-0.0314	87.4	33 568	12 462	max	
20 500	-1 500c	83.11	5.92	66.17	66.43	0.6964	-0.0274	84.8	33 569	13 465		
21 510	-1 509c	81.32	9.56	65.35	66.04	0.7149	-0.0244	81.6	34 570	13 468		
24 520	-1 520c	73.48	23.79	59.75	64.31	0.7974	-0.0206	68.2	34 574	14 474	Ym	
26 530	-1 530c	66.55	34.35	54.11	64.09	0.8744	-0.0207	57.5	35 577	15 478		
28 540	-1 540c	58.82	44.16	47.59	64.92	0.9682	-0.0222	47.1	36 581	16 481		
28 545	-1 544c	58.82	44.16	47.59	64.92	0.9682	-0.0222	47.1	36 581	16 481		
30 550	-1 550c	50.71	52.05	40.65	66.04	1.0784	-0.0252	37.9	37 585	16 483		
30 555	-1 554c	50.71	52.05	40.65	66.04	1.0784	-0.0252	37.9	37 585	16 483		
32 560	-1 560c	42.57	57.03	33.65	66.22	1.2037	-0.0297	30.5	38 590	17 485		
33 565	0 405	47.13	57.91	31.51	65.93	1.1594	-0.0784	28.5	38 592	17 485	Rm	
33 565	7 435	46.75	61.25	11.15	62.26	1.192	-0.2504	10.3	-1 490c	18 490		
33 566	9 450	45.98	62.93	-1.64	62.95	1.2153	-0.3601	358.5	-1 495c	19 495		
33 568	11 460	45.1	64.06	-14.63	65.71	1.2361	-0.4757	347.1	-1 502c	20 502		
33 569	12 465	44.26	64.35	-21.12	67.73	1.2495	-0.5368	341.8	-1 507c	21 507		
34 571	14 470	43.92	63.59	-30.86	70.69	1.2471	-0.6269	334.1	-1 520c	24 520	Mm	
34 574	15 475	41.79	62.44	-36.16	72.16	1.2656	-0.692	329.9	-1 528c	25 528		
35 579	16 480	38.65	59.85	-41.55	72.86	1.2872	-0.7759	325.2	-1 536c	27 536		
37 589	16 485	32.11	54.17	-47.2	71.85	1.3426	-0.9337	318.9	-1 544c	28 544		
47 636	17 490	16.08	12.02	-63.09	64.22	0.9668	-1.9149	280.7	-1 565c	33 565		
-1 495c	19 495	15.45	-2.91	-66.42	66.48	0.5924	-2.0652	267.4	12 462	33 568	min	
-1 500c	20 500	16.88	-5.92	-66.14	66.4	0.5275	-1.9129	264.8	13 465	33 569		
-1 509c	21 510	18.67	-9.55	-65.32	66.01	0.4632	-1.7449	261.6	13 468	34 570		
-1 520c	24 520	26.51	-23.78	-59.73	64.29	0.3092	-1.2469	248.2	14 474	34 574	Bm	
-1 530c	26 530	33.44	-34.35	-54.1	64.08	0.257	-0.9929	237.5	15 478	35 577		
-1 540c	28 540	41.17	-44.15	-47.59	64.92	0.2389	-0.8082	227.1	16 481	36 581		
-1 544c	28 545	41.17	-44.15	-47.59	64.92	0.2389	-0.8082	227.1	16 481	36 581		
-1 550c	30 550	49.28	-52.04	-40.65	66.04	0.2455	-0.6758	217.9	16 483	37 585		
-1 554c	30 555	49.28	-52.04	-40.65	66.04	0.2455	-0.6758	217.9	16 483	37 585		
-1 560c	32 560	57.42	-57.02	-33.65	66.21	0.2706	-0.5803	210.5	17 485	38 590		
W0 380	770	100.0	0.0	0.0	0.0	0.6679	-0.3459	0.0	B _c =1,000			
N0 380	770	4.0	0.0	0.0	0.0	0.6679	-0.3459	0.0	x _c =0,110			

see similar files: <http://farbe.li-tu-berlin.de/CEX8/CEX8.HTM>
technical information: <http://farbe.li-tu-berlin.de> or <http://130.149.60.45/~farbmetrik>

Ostwald optimal colours (o), maximum (m) C _{AB} for P45, Y _N =0, Y _W =100, Y _m =520_770														
i ₁ , λ ₁	i ₂ , λ ₂	Y	A ₁	B ₁	C _{AB,1}	a ₁	b ₁	h _{xy,1}	i _d , λ _d	i _c , λ _c	Code			
1 405	33 566	52.74	-59.38	-27.46	65.43	0.2387	-0.5125	204.8	17 487	38 593	Cm			
7 435	33 567	53.09	-62.16	-10.68	63.07	0.2207	-0.3847	189.7	18 491	-1 491c				
10 450	33 568	53.63	-64.14	5.63	64.39	0.2106	-0.2621	174.9	19 499	-1 499c				
12 460	33 569	54.32	-64.78	16.64	66.88	0.212	-0.1816	165.5	21 507	-1 507c				
13 465	34 570	54.38	-64.69	21.3	68.11	0.2132	-0.1475	161.7	22 512	-1 512c				
13 470	34 571	55.8	-64.62	22.37	68.39	0.2258	-0.1438	160.9	22 514	-1 514c	Gm			
15 475	34 574	57.32	-63.19	30.56	70.19	0.248	-0.0909	154.1	25 528	-1 528c				
15 480	35 578	60.46	-62.17	32.94	70.36	0.2778	-0.0862	152.0	26 532	-1 532c				
17 485	37 587	64.69	-55.67	40.52	68.85	0.3448	-0.0536	143.9	28 544	-1 544c				
17 490	42 611	77.39	-33.06	50.16	60.07	0.5181	-0.0449	123.3	31 559	-1 559c				
19 495	-1 495c	85.02	3.36	58.55	58.65	0.7048	-0.0287	86.7	33 569	12 463	max			
20 500	-1 500c	83.68	6.25	58.42	58.75	0.7189	-0.0249	83.8	34 570	13 466				
22 510	-1 510c	79.89	13.94	56.73	58.42	0.7589	-0.0201	76.1	34 572	14 471				
24 520	-1 520c	74.47	23.79	53.24	58.31	0.8168	-0.0182	65.9	34 574	15 475	Ym			
26 530	-1 530c	67.75	34.4	48.46	59.43	0.8921	-0.0181	54.6	35 578	15 479				
27 540	-1 539c	64.04	39.56	45.74	60.47	0.9361	-0.0185	49.1	35 579	16 480				
29 545	-1 545c	56.19	48.83	39.87	63.04	1.0366	-0.0203	39.2	36 583	16 483				
29 550	-1 549c	56.19	48.83	39.87	63.04	1.0366	-0.0203	39.2	36 583	16 483				
30 555	-1 554c	52.13	52.66	36.82	64.26	1.0931	-0.0216	34.9	37 585	16 484				
31 560	-1 559c	48.05	55.78	33.73	65.19	1.1534	-0.0233	31.1	37 588	17 485				
33 566	1 405	47.25	59.38	27.46	65.43	1.1918	-0.0716	24.8	38 593	17 487	Rm			
33 567	7 435	46.9	62.15	10.68	63.07	1.219	-0.213	9.7	-1 491c	18 491				
33 568	10 450	46.36	64.13	-5.63	64.38	1.2423	-0.3528	354.9	-1 499c	19 499				
33 569	12 460	45.67	64.77	-16.64	66.87	1.2562	-0.4499	345.5	-1 507c	21 507				
34 570	13 465	45.61	64.68	-21.29	68.1	1.2563	-0.4909	341.7	-1 512c	22 512				
34 571	13 470	44.19	64.61	-22.37	68.37	1.2738	-0.5067	340.9	-1 514c	22 514	Mm			
34 574	15 475	42.67	63.17	-30.55	70.17	1.2812	-0.5905	334.1	-1 528c	25 528				
35 578	15 480	39.53	62.15	-32.93	70.34	1.3179	-0.6374	332.0	-1 532c	26 532				
37 587	17 485	35.3	55.65	-40.5	68.83	1.3196	-0.7632	323.9	-1 544c	28 544				
42 611	17 490	22.6	33.05	-50.14	60.05	1.2738	-1.1914	303.3	-1 559c	31 559				
-1 495c	19 495	14.97	-3.36	-58.52	58.62	0.5992	-1.8674	266.7	12 463	33 569	min			
-1 500c	20 500	16.31	-6.25	-58.39	58.72	0.5356	-1.7356	263.8	13 466	34 570				
-1 510c	22 510	20.1	-13.94	-56.71	58.4	0.4116	-1.4324	256.1	14 471	34 572				
-1 520c	24 520	25.52	-23.79	-53.22	58.3	0.3161	-1.1384	245.9	15 475	34 574	Bm			
-1 530c	26 530	32.24	-34.39	-48.45	59.42	0.2622	-0.9054	234.6	15 479	35 578				
-1 539c	27 540	35.95	-39.55	-45.73	60.47	0.2489	-0.813	229.1	16 480	35 579				
-1 545c	29 545	43.8	-48.82	-39.87	63.04	0.2432	-0.6682	219.2	16 483	36 583				
-1 549c	29 550	43.8	-48.82	-39.87	63.04	0.2432	-0.6682	219.2	16 483	36 583				
-1 554c	30 555	47.86	-52.66	-36.82	64.25	0.2489	-0.6119	214.9	16 484	37 585				
-1 559c	31 560	51.94	-55.78	-33.73	65.19	0.2595	-0.5639	211.1	17 485	37 588				
W0	380	770	100.0	0.0	0.0	0.689	-0.3042	0.0	B _c =1,000					
N0	380	770	4.0	0.0	0.0	0.689	-0.3042	0.0	x _c =0,110					

CEX80-7N

TUB-test chart CEX8; Hue circle of the *Ostwald* optimal colours with Y values, Y_N=0,0, Y_W=100
Data: YA₁B₁C_{AB,1}h_{AB,1} and YA₂B₂C_{AB,2}h_{AB,2} as table with different wavelength, P45-02

1-000300-F0

Ostwald optimal colours (o), maximum (m) C _{AB} for P45, Y _N =0, Y _W =100, Y _m =520_770														
i ₁ , λ ₁	i ₂ , λ ₂	Y	A ₂	B ₂	C _{AB,2}	a ₂	b ₂	h _{xy,2}	i _d , λ _d	i _c , λ _c	Code			
1 405	33 566	52.74	-59.38	-30.21	66.63	0.2387	-0.5125	206.9	17 487	38 593	Cm			
7 435	33 567	53.09	-62.16	-11.75	63.26	0.2207	-0.3847	190.7	18 491	-1 491c				
10 450	33 568	53.63	-64.14	6.19	64.44	0.2106	-0.2621	174.4	19 499	-1 499c				
12 460	33 569	54.32	-64.78	18.31	67.32	0.212	-0.1816	164.2	21 507	-1 507c				
13 465	34 570	54.38	-64.69	23.43	68.81	0.2132	-0.1475	160.0	22 512	-1 512c				
13 470	34 571	55.8	-64.62	24.61	69.15	0.2258	-0.1438	159.1	22 514	-1 514c	Gm			
15 475	34 574	57.32	-63.19	33.61	71.58	0.248	-0.0909	151.9	25 528	-1 528c				
15 480	35 578	60.46	-62.17	36.24	71.96	0.2778	-0.0862	149.7	26 532	-1 532c				
17 485	37 587	64.69	-55.67	44.57	71.31	0.3448	-0.0536	141.3	28 544	-1 544c				
17 490	42 611	77.39	-33.06	55.17	64.32	0.5181	-0.0449	120.9	31 559	-1 559c				
19 495	-1 495c	85.02	3.36	64.4	64.49	0.7048	-0.0287	87.0	33 569	12 463	max			
20 500	-1 500c	83.68	6.25	64.26	64.56	0.7189	-0.0249	84.4	34 570	13 466				
22 510	-1 510c	79.89	13.94	62.4	63.94	0.7589	-0.0201	77.4	34 572	14 471				
24 520	-1 520c	74.47	23.79	58.56	63.21	0.8168	-0.0182	67.8	34 574	15 475	Ym			
26 530	-1 530c	67.75	34.4	53.31	63.45	0.8921	-0.0181	57.1	35 578	15 479				
27 540	-1 539c	64.04	39.56	50.31	64.0	0.9361	-0.0185	51.8	35 579	16 480				
29 545	-1 545c	56.19	48.83	43.86	65.64	1.0366	-0.0203	41.9	36 583	16 483				
29 550	-1 549c	56.19	48.83	43.86	65.64	1.0366	-0.0203	41.9	36 583	16 483				
30 555	-1 554c	52.13	52.66	40.5	66.44	1.0931	-0.0216	37.5	37 585	16 484				
31 560	-1 559c	48.05	55.78	37.11	67.0	1.1534	-0.0233	33.6	37 588	17 485				
33 566	1 405	47.25	59.38	30.21	66.63	1.1918	-0.0716	26.9	38 593	17 487	Rm			
33 567	7 435	46.9	62.15	11.75	63.26	1.219	-0.213	10.7	-1 491c	18 491				
33 568	10 450	46.36	64.13	-6.19	64.43	1.2423	-0.3528	354.4	-1 499c	19 499				
33 569	12 460	45.67	64.77	-18.3	67.31	1.2562	-0.4499	344.2	-1 507c	21 507				
34 570	13 465	45.61	64.68	-23.42	68.79	1.2563	-0.4909	340.0	-1 512c	22 512				
34 571	13 470	44.19	64.61	-24.61	69.14	1.2738	-0.5067	339.1	-1 514c	22 514	Mm			
34 574	15 475	42.67	63.17	-33.6	71.56	1.2812	-0.5905	331.9	-1 528c	25 528				
35 578	15 480	39.53	62.15	-36.23	71.94	1.3179	-0.6374	329.7	-1 532c	26 532				
37 587	17 485	35.3	55.65	-44.55	71.29	1.3196	-0.7632	321.3	-1 544c	28 544				
42 611	17 490	22.6	33.05	-55.15	64.3	1.2738	-1.1914	300.9	-1 559c	31 559				
-1 495c	19 495	14.97	-3.36	-64.37	64.46	0.5992	-1.8674	267.0	12 463	33 569	min			
-1 500c	20 500	16.31	-6.25	-64.23	64.53	0.5356	-1.7356	264.4	13 466	34 570				
-1 510c	22 510	20.1	-13.94	-62.38	63.92	0.4116	-1.4324	257.4	14 471	34 572				
-1 520c	24 520	25.52	-23.79	-58.55	63.19	0.3161	-1.1384	247.8	15 475	34 574	Bm			
-1 530c	26 530	32.24	-34.39	-53.3	63.43	0.2622	-0.9054	237.1	15 479	35 578				
-1 539c	27 540	35.95	-39.55	-50.31	63.99	0.2489	-0.813	231.8	16 480	35 579				
-1 545c	29 545	43.8	-48.82	-43.86	65.63	0.2432	-0.6682	221.9	16 483	36 583				
-1 549c	29 550	43.8	-48.82	-43.86	65.63	0.2432	-0.6682	221.9	16 483	36 583				
-1 554c	30 555	47.86	-52.66	-40.5	66.43	0.2489	-0.6119	217.5	16 484	37 585				
-1 559c	31 560	51.94	-55.78	-37.11	66.99	0.2595	-0.5639	213.6	17 485	37 588				
W0 380	770	100.0	0.0	0.0	0.0	0.689	-0.3346	0.0	B _c =1,100					
N0 380	770	4.0	0.0	0.0	0.0	0.689	-0.3346	0.0	x _c =0,110					

see similar files: <http://farbe.li-tu-berlin.de/CEX8/CEX8.HTM>
technical information: <http://farbe.li-tu-berlin.de> or <http://130.149.60.45/~farbmetrik>

Ostwald optimal colours (o), maximum (m) C _{AB} for P40, Y _N =0, Y _W =100, Y _m =520_770												
i ₁ , λ ₁	i ₂ , λ ₂	Y	A ₁	B ₁	C _{AB,1}	a ₁	b ₁	h _{xy,1}	i _d , λ _d	i _c , λ _c	Code	
0 405	33 568	52.58	-61.08	-23.82	65.56	0.2523	-0.4399	201.3	17 488	38 594	594	Cm
7 435	33 568	52.87	-63.39	-10.01	64.18	0.2374	-0.3344	188.9	18 493	-1 493c		
10 450	33 569	53.33	-65.08	3.59	65.18	0.2288	-0.2317	176.8	19 499	-1 499c		
12 460	34 570	53.28	-65.45	12.55	66.64	0.2256	-0.1644	169.1	21 507	-1 507c		
13 465	34 571	53.83	-65.29	16.9	67.44	0.2318	-0.133	165.4	22 512	-1 512c		
14 470	34 572	54.75	-64.86	20.89	68.14	0.243	-0.106	162.1	23 519	-1 519c		Gm
14 475	34 574	56.7	-64.9	22.15	68.58	0.259	-0.1023	161.1	24 522	-1 522c		
15 480	35 578	58.85	-63.39	26.33	68.64	0.286	-0.0797	157.4	26 531	-1 531c		
17 485	37 585	62.11	-58.76	32.33	67.07	0.3384	-0.0504	151.1	28 543	-1 543c		
17 490	40 600	71.73	-46.26	38.54	60.22	0.4589	-0.0437	140.2	30 554	-1 554c		
19 495	-1 495c	85.57	3.75	49.84	49.98	0.7345	-0.0256	85.6	34 571	12 464		max
20 500	-1 500c	84.33	6.51	49.86	50.28	0.7478	-0.0221	82.5	34 571	13 467		
21 510	-1 509c	82.76	9.9	49.48	50.46	0.7648	-0.0195	78.6	34 572	13 469		
24 520	-1 520c	75.67	23.61	45.96	51.67	0.8417	-0.0157	62.8	35 575	15 476		Ym
26 530	-1 530c	69.21	34.25	42.11	54.28	0.9149	-0.0153	50.8	35 578	16 480		
27 540	-1 539c	65.61	39.51	39.88	56.13	0.9578	-0.0155	45.2	36 580	16 481		
29 545	-1 545c	57.91	49.13	35.0	60.32	1.0562	-0.0168	35.4	36 584	16 484		
29 550	-1 549c	57.91	49.13	35.0	60.32	1.0562	-0.0168	35.4	36 584	16 484		
31 555	-1 555c	49.83	56.59	29.82	63.97	1.1712	-0.0192	27.7	37 588	17 486		
32 560	-1 560c	45.75	59.17	27.2	65.12	1.2342	-0.0208	24.6	38 591	17 487		
33 568	0 405	47.41	61.08	23.82	65.56	1.2322	-0.0576	21.3	38 594	17 488		Rm
33 568	7 435	47.12	63.39	10.01	64.17	1.255	-0.1736	8.9	-1 493c	18 493		
33 569	10 450	46.66	65.07	-3.59	65.17	1.2747	-0.2894	356.8	-1 499c	19 499		
34 570	12 460	46.71	65.44	-12.54	66.63	1.2773	-0.3661	349.1	-1 507c	21 507		
34 571	13 465	46.16	65.28	-16.9	67.43	1.2826	-0.4051	345.4	-1 512c	22 512		
34 572	14 470	45.24	64.85	-20.89	68.13	1.2902	-0.4434	342.1	-1 519c	23 519		Mm
34 574	14 475	43.29	64.88	-22.15	68.56	1.3163	-0.4633	341.1	-1 522c	24 522		
35 578	15 480	41.14	63.38	-26.32	68.63	1.3331	-0.5146	337.4	-1 531c	26 531		
37 585	17 485	37.88	58.75	-32.32	67.05	1.3372	-0.5999	331.1	-1 543c	28 543		
40 600	17 490	28.26	46.25	-38.53	60.2	1.3715	-0.804	320.2	-1 554c	30 554		
-1 495c	19 495	14.42	-3.75	-49.82	49.96	0.6128	-1.6404	265.6	12 464	34 571		min
-1 500c	20 500	15.66	-6.51	-49.84	50.26	0.5506	-1.5316	262.5	13 467	34 571		
-1 509c	21 510	17.23	-9.89	-49.46	50.44	0.4872	-1.4065	258.6	13 469	34 572		
-1 520c	24 520	24.32	-23.61	-45.95	51.66	0.3286	-1.0143	242.8	15 476	35 575		Bm
-1 530c	26 530	30.78	-34.25	-42.1	54.27	0.2718	-0.8058	230.8	16 480	35 578		
-1 539c	27 540	34.38	-39.5	-39.87	56.13	0.2573	-0.7225	225.2	16 481	36 580		
-1 545c	29 545	42.08	-49.12	-35.0	60.32	0.25	-0.5913	215.4	16 484	36 584		
-1 549c	29 550	42.08	-49.12	-35.0	60.32	0.25	-0.5913	215.4	16 484	36 584		
-1 555c	31 555	50.16	-56.59	-29.82	63.97	0.2657	-0.4965	207.7	17 486	37 588		
-1 560c	32 560	54.24	-59.17	-27.2	65.12	0.2805	-0.4593	204.6	17 487	38 591		
W0 380	770	100.0	0.0	0.0	0.0	0.7169	-0.2586	0.0	B _c =1,000			
N0 380	770	4.0	0.0	0.0	0.0	0.7169	-0.2586	0.0	x _c =0,110			

CEX80-7N

TUB-test chart CEX8; Hue circle of the *Ostwald* optimal colours with Y values, Y_N=0,0, Y_W=100
Data: YA₁B₁C_{AB,1}h_{AB,1} and YA₂B₂C_{AB,2}h_{AB,2} as table with different wavelength, P40-02

1-000400-F0

Ostwald optimal colours (o), maximum (m) C _{AB} for P40, Y _N =0, Y _W =100, Y _m =520_770														
i ₁ , λ ₁	i ₂ , λ ₂	Y	A ₂	B ₂	C _{AB,2}	a ₂	b ₂	h _{xy,2}	i _d , λ _d	i _c , λ _c	Code			
0	405	33 568	52.58	-61.08	-30.97	68.48	0.2523	-0.4399 206.8	17 488	38 594	Cm			
7	435	33 568	52.87	-63.39	-13.02	64.71	0.2374	-0.3344 191.6	18 493	-1 493c				
10	450	33 569	53.33	-65.08	4.67	65.25	0.2288	-0.2317 175.8	19 499	-1 499c				
12	460	34 570	53.28	-65.45	16.31	67.45	0.2256	-0.1644 166.0	21 507	-1 507c				
13	465	34 571	53.83	-65.29	21.98	68.89	0.2318	-0.133 161.3	22 512	-1 512c				
14	470	34 572	54.75	-64.86	27.16	70.32	0.243	-0.106 157.2	23 519	-1 519c	Gm			
14	475	34 574	56.7	-64.9	28.8	71.0	0.259	-0.1023 156.0	24 522	-1 522c				
15	480	35 578	58.85	-63.39	34.22	72.04	0.286	-0.0797 151.6	26 531	-1 531c				
17	485	37 585	62.11	-58.76	42.03	72.25	0.3384	-0.0504 144.4	28 543	-1 543c				
17	490	40 600	71.73	-46.26	50.11	68.2	0.4589	-0.0437 132.7	30 554	-1 554c				
19	495	-1 495c	85.57	3.75	64.8	64.91	0.7345	-0.0256 86.6	34 571	12 464	max			
20	500	-1 500c	84.33	6.51	64.82	65.15	0.7478	-0.0221 84.2	34 571	13 467				
21	510	-1 509c	82.76	9.9	64.33	65.08	0.7648	-0.0195 81.2	34 572	13 469				
24	520	-1 520c	75.67	23.61	59.75	64.25	0.8417	-0.0157 68.4	35 575	15 476	Ym			
26	530	-1 530c	69.21	34.25	54.74	64.58	0.9149	-0.0153 57.9	35 578	16 480				
27	540	-1 539c	65.61	39.51	51.84	65.18	0.9578	-0.0155 52.6	36 580	16 481				
29	545	-1 545c	57.91	49.13	45.51	66.97	1.0562	-0.0168 42.8	36 584	16 484				
29	550	-1 549c	57.91	49.13	45.51	66.97	1.0562	-0.0168 42.8	36 584	16 484				
31	555	-1 555c	49.83	56.59	38.77	68.6	1.1712	-0.0192 34.4	37 588	17 486				
32	560	-1 560c	45.75	59.17	35.36	68.93	1.2342	-0.0208 30.8	38 591	17 487				
33	568	0 405	47.41	61.08	30.97	68.48	1.2322	-0.0576 26.8	38 594	17 488	Rm			
33	568	7 435	47.12	63.39	13.02	64.71	1.255	-0.1736 11.6	-1 493c	18 493				
33	569	10 450	46.66	65.07	-4.67	65.24	1.2747	-0.2894 355.8	-1 499c	19 499				
34	570	12 460	46.71	65.44	-16.31	67.44	1.2773	-0.3661 346.0	-1 507c	21 507				
34	571	13 465	46.16	65.28	-21.97	68.88	1.2826	-0.4051 341.3	-1 512c	22 512				
34	572	14 470	45.24	64.85	-27.16	70.3	1.2902	-0.4434 337.2	-1 519c	23 519	Mm			
34	574	14 475	43.29	64.88	-28.79	70.99	1.3163	-0.4633 336.0	-1 522c	24 522				
35	578	15 480	41.14	63.38	-34.22	72.03	1.3331	-0.5146 331.6	-1 531c	26 531				
37	585	17 485	37.88	58.75	-42.02	72.23	1.3372	-0.5999 324.4	-1 543c	28 543				
40	600	17 490	28.26	46.25	-50.09	68.18	1.3715	-0.804 312.7	-1 554c	30 554				
-1 495c	19 495	14.42	-3.75	-64.77	64.88	0.6128	-1.6404 266.6	12 464	34 571	min				
-1 500c	20 500	15.66	-6.51	-64.79	65.12	0.5506	-1.5316 264.2	13 467	34 571					
-1 509c	21 510	17.23	-9.89	-64.3	65.06	0.4872	-1.4065 261.2	13 469	34 572					
-1 520c	24 520	24.32	-23.61	-59.74	64.24	0.3286	-1.0143 248.4	15 476	35 575	Bm				
-1 530c	26 530	30.78	-34.25	-54.73	64.57	0.2718	-0.8058 237.9	16 480	35 578					
-1 539c	27 540	34.38	-39.5	-51.83	65.17	0.2573	-0.7225 232.6	16 481	36 580					
-1 545c	29 545	42.08	-49.12	-45.5	66.96	0.25	-0.5913 222.8	16 484	36 584					
-1 549c	29 550	42.08	-49.12	-45.5	66.96	0.25	-0.5913 222.8	16 484	36 584					
-1 555c	31 555	50.16	-56.59	-38.77	68.6	0.2657	-0.4965 214.4	17 486	37 588					
-1 560c	32 560	54.24	-59.17	-35.36	68.93	0.2805	-0.4593 210.8	17 487	38 591					
W0	380	770	100.0	0.0	0.0	0.0	0.7169	-0.3362 0.0	B _c =1,300					
N0	380	770	4.0	0.0	0.0	0.0	0.7169	-0.3362 0.0	x _c =0,110					

see similar files: <http://farbe.li.tu-berlin.de/CEX8/CEX8.HTM>
technical information: <http://farbe.li.tu-berlin.de> or <http://130.149.60.45/~farbmetrik>

Ostwald optimal colours (o), maximum (m) C_{AB} for P35, $Y_N=0$, $Y_W=100$, $Y_m=520_770$														
i_1, λ_1	i_2, λ_2	Y	A_1	B_1	$C_{AB,1}$	a_1	b_1	$h_{xy,1}$	i_d, λ_d	i_c, λ_c	Code			
1 405	34 570	51.69	-63.13	-19.6	66.1	0.2662	-0.3614	197.2	18 490	39 596	Cm			
7 435	34 570	51.92	-64.77	-9.41	65.45	0.2557	-0.2822	188.2	18 494	47 638				
9 450	34 571	52.37	-65.67	-2.3	65.71	0.2531	-0.2272	182.0	19 498	-1 498c				
12 460	34 572	52.73	-66.31	8.87	66.9	0.2517	-0.1423	172.3	21 507	-1 507c				
12 465	34 572	53.37	-66.38	9.21	67.02	0.2572	-0.1406	172.0	21 508	-1 508c				
14 470	34 573	53.91	-65.92	15.68	67.76	0.2656	-0.0933	166.6	23 519	-1 519c	Gm			
14 475	35 575	54.86	-65.95	16.17	67.91	0.2739	-0.0917	166.2	24 520	-1 520c				
15 480	35 578	57.07	-64.82	19.69	67.75	0.3003	-0.0716	163.1	26 530	-1 530c				
17 485	36 583	59.83	-61.09	24.51	65.82	0.3463	-0.0458	158.1	28 542	-1 542c				
18 490	38 593	66.26	-52.83	29.02	60.28	0.4358	-0.0344	151.2	30 552	-1 552c				
19 495	52 661	85.38	0.79	39.95	39.96	0.7584	-0.0224	88.8	34 572	12 460	max			
20 500	-1 500c	85.09	6.62	40.54	41.07	0.7859	-0.0191	80.7	34 573	13 468				
22 510	-1 510c	81.87	13.69	39.86	42.14	0.8216	-0.0149	71.0	34 574	14 473				
23 520	-1 519c	79.68	18.17	39.03	43.05	0.8459	-0.0137	65.0	35 576	15 475	Ym			
26 530	-1 530c	71.0	33.76	35.01	48.64	0.9449	-0.0124	46.0	35 579	16 481				
27 540	-1 539c	67.55	39.12	33.3	51.37	0.9864	-0.0125	40.4	36 581	16 483				
29 545	-1 545c	60.08	49.16	29.48	57.32	1.082	-0.0133	30.9	37 585	17 486				
29 550	-1 549c	60.08	49.16	29.48	57.32	1.082	-0.0133	30.9	37 585	17 486				
31 555	-1 555c	52.1	57.27	25.35	62.63	1.1945	-0.015	23.8	37 589	17 488				
32 560	-1 560c	48.02	60.23	23.23	64.56	1.2564	-0.0161	21.0	38 591	17 489				
34 570	1 405	48.3	63.13	19.6	66.1	1.2775	-0.0473	17.2	39 596	18 490	Rm			
34 570	7 435	48.07	64.77	9.41	65.45	1.2936	-0.1313	8.2	47 638	18 494				
34 571	9 450	47.62	65.66	2.3	65.71	1.3063	-0.1903	2.0	-1 498c	19 498				
34 572	12 460	47.26	66.3	-8.87	66.89	1.3158	-0.2847	352.3	-1 507c	21 507				
34 572	12 465	46.62	66.37	-9.21	67.01	1.3242	-0.2887	352.0	-1 508c	21 508				
34 573	14 470	46.08	65.91	-15.67	67.75	1.3269	-0.3457	346.6	-1 519c	23 519	Mm			
35 575	14 475	45.13	65.94	-16.17	67.9	1.3392	-0.353	346.2	-1 520c	24 520				
35 578	15 480	42.92	64.81	-19.68	67.74	1.3587	-0.3931	343.1	-1 530c	26 530				
36 583	17 485	40.16	61.07	-24.5	65.81	1.3631	-0.4537	338.1	-1 542c	28 542				
38 593	18 490	33.73	52.81	-29.02	60.26	1.3809	-0.5537	331.2	-1 552c	30 552				
52 661	19 495	14.61	-0.79	-39.94	39.95	0.733	-1.3026	268.8	12 460	34 572	min			
-1 500c	20 500	14.9	-6.62	-40.52	41.06	0.577	-1.2974	260.7	13 468	34 573				
-1 510c	22 510	18.12	-13.68	-39.85	42.13	0.4527	-1.0891	251.0	14 473	34 574				
-1 519c	23 520	20.31	-18.16	-39.02	43.04	0.3971	-0.9778	245.0	15 475	35 576	Bm			
-1 530c	26 530	28.99	-33.75	-35.01	48.63	0.289	-0.6927	226.0	16 481	35 579				
-1 539c	27 540	32.44	-39.11	-33.29	51.37	0.2724	-0.6202	220.4	16 483	36 581				
-1 545c	29 545	39.91	-49.16	-29.48	57.32	0.2621	-0.5051	210.9	17 486	37 585				
-1 549c	29 550	39.91	-49.16	-29.48	57.32	0.2621	-0.5051	210.9	17 486	37 585				
-1 555c	31 555	47.89	-57.27	-25.35	62.63	0.2764	-0.4214	203.8	17 488	37 589				
-1 560c	32 560	51.97	-60.23	-23.23	64.56	0.2911	-0.3884	201.0	17 489	38 591				
W0	380	770	99.99	0.0	0.0	0.0	0.7547	-0.2096	0.0	$B_c=1,000$				
N0	380	770	3.99	0.0	0.0	0.0	0.7547	-0.2096	0.0	$x_c=0,110$				

CEX80-7N

TUB-test chart CEX8; Hue circle of the *Ostwald* optimal colours with Y values, $Y_N=0,0$, $Y_W=100$
Data: $YA_1B_1C_{AB,1}h_{AB,1}$ and $YA_2B_2C_{AB,2}h_{AB,2}$ as table with different wavelength, P35-02

1-000500-F0

Ostwald optimal colours (o), maximum (m) C _{AB} for P35, Y _N =0, Y _W =100, Y _m =520_770													
i ₁ , λ ₁	i ₂ , λ ₂	Y	A ₂	B ₂	C _{AB,2}	a ₂	b ₂	h _{xy,2}	i _d , λ _d	i _c , λ _c	Code		
1 405	34 570	51.69	-63.13	-35.29	72.32	0.2662	-0.3614	209.2	18 490	39 596	Cm		
7 435	34 570	51.92	-64.77	-16.95	66.95	0.2557	-0.2822	194.6	18 494	47 638			
9 450	34 571	52.37	-65.67	-4.14	65.8	0.2531	-0.2272	183.6	19 498	-1 498c			
12 460	34 572	52.73	-66.31	15.98	68.21	0.2517	-0.1423	166.4	21 507	-1 507c			
12 465	34 572	53.37	-66.38	16.58	68.42	0.2572	-0.1406	165.9	21 508	-1 508c			
14 470	34 573	53.91	-65.92	28.22	71.71	0.2656	-0.0933	156.8	23 519	-1 519c	Gm		
14 475	35 575	54.86	-65.95	29.11	72.1	0.2739	-0.0917	156.1	24 520	-1 520c			
15 480	35 578	57.07	-64.82	35.44	73.88	0.3003	-0.0716	151.3	26 530	-1 530c			
17 485	36 583	59.83	-61.09	44.11	75.35	0.3463	-0.0458	144.1	28 542	-1 542c			
18 490	38 593	66.26	-52.83	52.25	74.3	0.4358	-0.0344	135.3	30 552	-1 552c			
19 495	52 661	85.38	0.79	71.92	71.92	0.7584	-0.0224	89.3	34 572	12 460	max		
20 500	-1 500c	85.09	6.62	72.97	73.27	0.7859	-0.0191	84.8	34 573	13 468			
22 510	-1 510c	81.87	13.69	71.75	73.05	0.8216	-0.0149	79.1	34 574	14 473			
23 520	-1 519c	79.68	18.17	70.25	72.56	0.8459	-0.0137	75.4	35 576	15 475	Ym		
26 530	-1 530c	71.0	33.76	63.03	71.5	0.9449	-0.0124	61.8	35 579	16 481			
27 540	-1 539c	67.55	39.12	59.94	71.58	0.9864	-0.0125	56.8	36 581	16 483			
29 545	-1 545c	60.08	49.16	53.07	72.34	1.082	-0.0133	47.1	37 585	17 486			
29 550	-1 549c	60.08	49.16	53.07	72.34	1.082	-0.0133	47.1	37 585	17 486			
31 555	-1 555c	52.1	57.27	45.63	73.23	1.1945	-0.015	38.5	37 589	17 488			
32 560	-1 560c	48.02	60.23	41.81	73.33	1.2564	-0.0161	34.7	38 591	17 489			
34 570	1 405	48.3	63.13	35.29	72.32	1.2775	-0.0473	29.2	39 596	18 490	Rm		
34 570	7 435	48.07	64.77	16.95	66.95	1.2936	-0.1313	14.6	47 638	18 494			
34 571	9 450	47.62	65.66	4.14	65.8	1.3063	-0.1903	3.6	-1 498c	19 498			
34 572	12 460	47.26	66.3	-15.97	68.2	1.3158	-0.2847	346.4	-1 507c	21 507			
34 572	12 465	46.62	66.37	-16.58	68.41	1.3242	-0.2887	345.9	-1 508c	21 508			
34 573	14 470	46.08	65.91	-28.21	71.7	1.3269	-0.3457	336.8	-1 519c	23 519	Mm		
35 575	14 475	45.13	65.94	-29.11	72.08	1.3392	-0.353	336.1	-1 520c	24 520			
35 578	15 480	42.92	64.81	-35.43	73.87	1.3587	-0.3931	331.3	-1 530c	26 530			
36 583	17 485	40.16	61.07	-44.1	75.34	1.3631	-0.4537	324.1	-1 542c	28 542			
38 593	18 490	33.73	52.81	-52.23	74.28	1.3809	-0.5537	315.3	-1 552c	30 552			
52 661	19 495	14.61	-0.79	-71.89	71.9	0.733	-1.3026	269.3	12 460	34 572	min		
-1 500c	20 500	14.9	-6.62	-72.94	73.24	0.577	-1.2974	264.8	13 468	34 573			
-1 510c	22 510	18.12	-13.68	-71.73	73.03	0.4527	-1.0891	259.1	14 473	34 574			
-1 519c	23 520	20.31	-18.16	-70.23	72.55	0.3971	-0.9778	255.4	15 475	35 576	Bm		
-1 530c	26 530	28.99	-33.75	-63.02	71.49	0.289	-0.6927	241.8	16 481	35 579			
-1 539c	27 540	32.44	-39.11	-59.93	71.57	0.2724	-0.6202	236.8	16 483	36 581			
-1 545c	29 545	39.91	-49.16	-53.07	72.34	0.2621	-0.5051	227.1	17 486	37 585			
-1 549c	29 550	39.91	-49.16	-53.07	72.34	0.2621	-0.5051	227.1	17 486	37 585			
-1 555c	31 555	47.89	-57.27	-45.63	73.23	0.2764	-0.4214	218.5	17 488	37 589			
-1 560c	32 560	51.97	-60.23	-41.81	73.33	0.2911	-0.3884	214.7	17 489	38 591			
W0 380	770	99.99	0.0	0.0	0.0	0.7547	-0.3774	0.0	B _c =1,800				
N0 380	770	3.99	0.0	0.0	0.0	0.7547	-0.3774	0.0	x _c =0,110				

see similar files: <http://farbe.li-tu-berlin.de/CEX8/CEX8.HTM>
technical information: <http://farbe.li-tu-berlin.de> or <http://130.149.60.45/~farbmetrik>

Ostwald optimal colours (o), maximum (m) C_{AB} for P30, $Y_N=0$, $Y_W=100$, $Y_m=520_770$														
i_1, λ_1	i_2, λ_2	Y	A_1	B_1	$C_{AB,1}$	a_1	b_1	$h_{xy,1}$	i_d, λ_d	i_c, λ_c	Code			
0 405	34 573	51.22	-65.33	-15.15	67.07	0.2976	-0.2765	193.0	18 493	39 598	Cm			
6 435	34 573	51.43	-66.2	-10.2	66.98	0.293	-0.2375	188.7	19 495	42 612				
10 450	34 573	51.68	-67.42	-0.31	67.42	0.2859	-0.1605	180.2	20 502	-1 502c				
12 460	34 574	52.01	-67.71	5.37	67.92	0.2871	-0.1168	175.4	21 508	-1 508c				
13 465	34 574	52.35	-67.68	8.08	68.16	0.2907	-0.0963	173.1	22 512	-1 512c				
14 470	35 575	52.26	-67.27	10.29	68.05	0.293	-0.0793	171.2	23 518	-1 518c	Gm			
15 475	35 576	53.17	-66.64	12.54	67.81	0.3065	-0.0637	169.3	25 525	-1 525c				
16 480	35 579	54.74	-65.73	14.69	67.35	0.3276	-0.0507	167.3	26 533	-1 533c				
17 485	36 582	56.86	-63.87	16.75	66.03	0.3585	-0.0403	165.3	28 540	-1 540c				
18 490	37 589	61.42	-59.4	19.51	62.52	0.421	-0.031	161.8	29 549	-1 549c				
19 495	41 606	71.0	-42.77	24.06	49.07	0.5669	-0.0225	150.6	32 561	-1 561c				
20 500	-1 500c	85.97	6.47	30.6	31.28	0.838	-0.0157	78.0	35 575	13 469	max			
21 510	-1 509c	84.73	9.43	30.62	32.04	0.8524	-0.0136	72.8	35 576	14 472				
24 520	-1 520c	78.86	22.1	29.17	36.6	0.9199	-0.0101	52.8	35 578	15 479	Ym			
25 530	-1 529c	76.2	27.26	28.28	39.28	0.9509	-0.0097	46.0	36 580	16 481				
28 540	-1 540c	66.53	43.48	24.72	50.01	1.0692	-0.0095	29.6	36 584	17 486				
29 545	-1 545c	62.86	48.62	23.31	53.92	1.1172	-0.0098	25.6	37 586	17 488				
30 550	-1 550c	59.03	53.38	21.82	57.67	1.1695	-0.0102	22.2	37 588	17 489				
31 555	-1 555c	55.07	57.57	20.28	61.04	1.226	-0.0108	19.4	38 590	18 490				
32 560	-1 560c	51.03	61.04	18.69	63.84	1.2863	-0.0116	17.0	38 592	18 491				
34 573	0 405	48.77	65.33	15.15	67.07	1.3436	-0.0338	13.0	39 598	18 493	Rm			
34 573	6 435	48.56	66.19	10.2	66.97	1.353	-0.0741	8.7	42 612	19 495				
34 573	10 450	48.31	67.41	0.31	67.42	1.3659	-0.1555	0.2	-1 502c	20 502				
34 574	12 460	47.98	67.7	-5.37	67.91	1.3722	-0.2029	355.4	-1 508c	21 508				
34 574	13 465	47.64	67.67	-8.08	68.15	1.376	-0.226	353.1	-1 512c	22 512				
35 575	14 470	47.73	67.25	-10.29	68.04	1.3714	-0.2444	351.2	-1 518c	23 518	Mm			
35 576	15 475	46.82	66.62	-12.54	67.8	1.377	-0.2653	349.3	-1 525c	25 525				
35 579	16 480	45.25	65.71	-14.69	67.34	1.3887	-0.288	347.3	-1 533c	26 533				
36 582	17 485	43.13	63.86	-16.74	66.02	1.4	-0.3134	345.3	-1 540c	28 540				
37 589	18 490	38.57	59.38	-19.51	62.51	1.4237	-0.3605	341.8	-1 549c	29 549				
41 606	19 495	28.99	42.76	-24.06	49.06	1.3978	-0.4901	330.6	-1 561c	32 561				
-1 500c	20 500	14.02	-6.47	-30.6	31.27	0.6231	-1.0308	258.0	13 469	35 575	min			
-1 509c	21 510	15.26	-9.43	-30.61	32.03	0.5608	-0.9601	252.8	14 472	35 576				
-1 520c	24 520	21.13	-22.1	-29.16	36.59	0.3895	-0.7102	232.8	15 479	35 578	Bm			
-1 529c	25 530	23.79	-27.26	-28.27	39.27	0.3495	-0.6335	226.0	16 481	36 580				
-1 540c	28 540	33.46	-43.48	-24.72	50.01	0.2881	-0.4536	209.6	17 486	36 584				
-1 545c	29 545	37.13	-48.62	-23.31	53.92	0.284	-0.4092	205.6	17 488	37 586				
-1 550c	30 550	40.96	-53.38	-21.82	57.67	0.2866	-0.3712	202.2	17 489	37 588				
-1 555c	31 555	44.92	-57.57	-20.28	61.04	0.2951	-0.3387	199.4	18 490	38 590				
-1 560c	32 560	48.96	-61.05	-18.69	63.84	0.3091	-0.3109	197.0	18 491	38 592				
W0	380 770	100.0	0.0	0.0	0.0	0.8078	-0.1581	0.0	$B_c=1,000$					
N0	380 770	4.0	0.0	0.0	0.0	0.8078	-0.1581	0.0	$x_c=0,110$					

CEX80-7N

TUB-test chart CEX8; Hue circle of the *Ostwald* optimal colours with Y values, $Y_N=0,0$, $Y_W=100$
Data: $YA_1B_1C_{AB,1}h_{AB,1}$ and $YA_2B_2C_{AB,2}h_{AB,2}$ as table with different wavelength, P30-02

1-000600-F0

Ostwald optimal colours (o), maximum (m) C _{AB} for P30, Y _N =0, Y _W =100, Y _m =520_770														
i ₁ , λ ₁	i ₂ , λ ₂	Y	A ₂	B ₂	C _{AB,2}	a ₂	b ₂	h _{xy,2}	i _d , λ _d	i _c , λ _c	Code			
0 405	34 573	51.22	-65.33	-37.89	75.53	0.2976	-0.2765	210.1	18 493	39 598	Cm			
6 435	34 573	51.43	-66.2	-25.51	70.94	0.293	-0.2375	201.0	19 495	42 612				
10 450	34 573	51.68	-67.42	-0.77	67.43	0.2859	-0.1605	180.6	20 502	-1 502c				
12 460	34 574	52.01	-67.71	13.44	69.03	0.2871	-0.1168	168.7	21 508	-1 508c				
13 465	34 574	52.35	-67.68	20.21	70.63	0.2907	-0.0963	163.3	22 512	-1 512c				
14 470	35 575	52.26	-67.27	25.74	72.03	0.293	-0.0793	159.0	23 518	-1 518c	Gm			
15 475	35 576	53.17	-66.64	31.36	73.65	0.3065	-0.0637	154.7	25 525	-1 525c				
16 480	35 579	54.74	-65.73	36.74	75.3	0.3276	-0.0507	150.7	26 533	-1 533c				
17 485	36 582	56.86	-63.87	41.87	76.37	0.3585	-0.0403	146.7	28 540	-1 540c				
18 490	37 589	61.42	-59.4	48.79	76.87	0.421	-0.031	140.6	29 549	-1 549c				
19 495	41 606	71.0	-42.77	60.17	73.82	0.5669	-0.0225	125.4	32 561	-1 561c				
20 500	-1 500c	85.97	6.47	76.52	76.79	0.838	-0.0157	85.1	35 575	13 469	max			
21 510	-1 509c	84.73	9.43	76.55	77.13	0.8524	-0.0136	82.9	35 576	14 472				
24 520	-1 520c	78.86	22.1	72.93	76.21	0.9199	-0.0101	73.1	35 578	15 479	Ym			
25 530	-1 529c	76.2	27.26	70.7	75.77	0.9509	-0.0097	68.9	36 580	16 481				
28 540	-1 540c	66.53	43.48	61.8	75.57	1.0692	-0.0095	54.8	36 584	17 486				
29 545	-1 545c	62.86	48.62	58.28	75.9	1.1172	-0.0098	50.1	37 586	17 488				
30 550	-1 550c	59.03	53.38	54.56	76.33	1.1695	-0.0102	45.6	37 588	17 489				
31 555	-1 555c	55.07	57.57	50.7	76.72	1.226	-0.0108	41.3	38 590	18 490				
32 560	-1 560c	51.03	61.04	46.74	76.88	1.2863	-0.0116	37.4	38 592	18 491				
34 573	0 405	48.77	65.33	37.89	75.52	1.3436	-0.0338	30.1	39 598	18 493	Rm			
34 573	6 435	48.56	66.19	25.51	70.94	1.353	-0.0741	21.0	42 612	19 495				
34 573	10 450	48.31	67.41	0.77	67.42	1.3659	-0.1555	0.6	-1 502c	20 502				
34 574	12 460	47.98	67.7	-13.43	69.02	1.3722	-0.2029	348.7	-1 508c	21 508				
34 574	13 465	47.64	67.67	-20.2	70.62	1.376	-0.226	343.3	-1 512c	22 512				
35 575	14 470	47.73	67.25	-25.74	72.01	1.3714	-0.2444	339.0	-1 518c	23 518	Mm			
35 576	15 475	46.82	66.62	-31.35	73.64	1.377	-0.2653	334.7	-1 525c	25 525				
35 579	16 480	45.25	65.71	-36.73	75.28	1.3887	-0.288	330.7	-1 533c	26 533				
36 582	17 485	43.13	63.86	-41.86	76.36	1.4	-0.3134	326.7	-1 540c	28 540				
37 589	18 490	38.57	59.38	-48.78	76.85	1.4237	-0.3605	320.6	-1 549c	29 549				
41 606	19 495	28.99	42.76	-60.15	73.8	1.3978	-0.4901	305.4	-1 561c	32 561				
-1 500c	20 500	14.02	-6.47	-76.5	76.77	0.6231	-1.0308	265.1	13 469	35 575	min			
-1 509c	21 510	15.26	-9.43	-76.53	77.11	0.5608	-0.9601	262.9	14 472	35 576				
-1 520c	24 520	21.13	-22.1	-72.92	76.2	0.3895	-0.7102	253.1	15 479	35 578	Bm			
-1 529c	25 530	23.79	-27.26	-70.69	75.76	0.3495	-0.6335	248.9	16 481	36 580				
-1 540c	28 540	33.46	-43.48	-61.8	75.56	0.2881	-0.4536	234.8	17 486	36 584				
-1 545c	29 545	37.13	-48.62	-58.28	75.9	0.284	-0.4092	230.1	17 488	37 586				
-1 550c	30 550	40.96	-53.38	-54.56	76.33	0.2866	-0.3712	225.6	17 489	37 588				
-1 555c	31 555	44.92	-57.57	-50.7	76.72	0.2951	-0.3387	221.3	18 490	38 590				
-1 560c	32 560	48.96	-61.05	-46.74	76.89	0.3091	-0.3109	217.4	18 491	38 592				
W0 380	770	100.0	0.0	0.0	0.0	0.8078	-0.3954	0.0	B _c =2,500					
N0 380	770	4.0	0.0	0.0	0.0	0.8078	-0.3954	0.0	x _c =0,110					

see similar files: <http://farbe.li-tu-berlin.de/CEX8/CEX8.HTM>
technical information: <http://farbe.li-tu-berlin.de> or <http://130.149.60.45/~farbmetrik>

Ostwald optimal colours (o), maximum (m) C_{AB} for P25, $Y_N=0$, $Y_W=100$, $Y_m=520_770$														
i_1, λ_1	i_2, λ_2	Y	A_1	B_1	$C_{AB,1}$	a_1	b_1	$h_{xy,1}$	i_d, λ_d	i_c, λ_c	Code			
1 405	35 576	49.8	-67.85	-10.51	68.66	0.3406	-0.1908	188.8	19 497	40 601	Cm			
6 435	35 576	49.94	-68.31	-7.78	68.76	0.3385	-0.1686	186.4	19 499	42 611				
10 450	35 577	50.11	-69.03	-1.61	69.05	0.3346	-0.1192	181.3	20 504	-1 504c				
11 460	35 577	50.41	-69.16	0.31	69.16	0.3369	-0.1038	179.7	21 506	-1 506c				
13 465	35 577	50.55	-69.08	3.99	69.19	0.3391	-0.0747	176.6	22 513	-1 513c				
14 470	35 578	50.92	-68.88	5.68	69.11	0.3445	-0.0617	175.2	23 518	-1 518c	Gm			
15 475	35 579	51.52	-68.54	7.2	68.92	0.3535	-0.0504	173.9	25 525	-1 525c				
16 480	36 580	51.92	-67.93	8.43	68.45	0.3624	-0.0413	172.9	26 531	-1 531c				
17 485	36 582	53.69	-66.67	9.82	67.39	0.3889	-0.0331	171.6	27 539	-1 539c				
18 490	37 586	56.27	-64.51	11.24	65.48	0.4271	-0.0264	170.1	29 546	-1 546c				
18 495	38 594	62.51	-59.86	12.89	61.24	0.5025	-0.0238	167.8	30 553	-1 553c				
20 500	44 620	75.83	-29.14	17.53	34.0	0.7319	-0.0138	148.9	34 570	-1 570c				
21 510	-1 509c	85.96	8.51	20.63	22.31	0.9252	-0.0103	67.5	35 578	14 474	max			
24 520	-1 520c	81.0	20.17	20.04	28.43	0.9852	-0.0073	44.8	36 581	16 481	Ym			
25 530	-1 529c	78.68	25.13	19.56	31.84	1.0134	-0.0068	37.9	36 582	16 484				
28 540	-1 540c	69.94	41.46	17.48	44.99	1.1227	-0.0063	22.8	37 586	17 489				
28 545	-1 544c	69.94	41.46	17.48	44.99	1.1227	-0.0063	22.8	37 586	17 489				
29 550	-1 549c	66.52	46.92	16.61	49.77	1.1678	-0.0064	19.4	37 588	18 491				
30 555	-1 554c	62.89	52.12	15.67	54.43	1.2172	-0.0066	16.7	37 589	18 492				
32 560	-1 560c	55.14	61.05	13.64	62.56	1.3285	-0.0073	12.5	38 594	18 494				
35 576	1 405	50.19	67.85	10.51	68.66	1.4263	-0.0225	8.8	40 601	19 497	Rm			
35 576	6 435	50.05	68.31	7.78	68.75	1.4315	-0.0441	6.4	42 611	19 499				
35 577	10 450	49.88	69.02	1.61	69.04	1.4391	-0.0934	1.3	-1 504c	20 504				
35 577	11 460	49.58	69.15	-0.31	69.15	1.4435	-0.1088	359.7	-1 506c	21 506				
35 577	13 465	49.44	69.07	-3.99	69.18	1.4445	-0.1387	356.6	-1 513c	22 513				
35 578	14 470	49.08	68.87	-5.68	69.1	1.4469	-0.1526	355.2	-1 518c	23 518	Mm			
35 579	15 475	48.47	68.53	-7.2	68.91	1.4512	-0.1658	353.9	-1 525c	25 525				
36 580	16 480	48.07	67.92	-8.43	68.44	1.4508	-0.1765	352.9	-1 531c	26 531				
36 582	17 485	46.3	66.66	-9.81	67.38	1.4615	-0.1911	351.6	-1 539c	27 539				
37 586	18 490	43.72	64.49	-11.24	65.47	1.4757	-0.2092	350.1	-1 546c	29 546				
38 594	18 495	37.48	59.85	-12.89	61.23	1.5243	-0.2439	347.8	-1 553c	30 553				
44 620	20 500	24.16	29.13	-17.52	34.0	1.3679	-0.3964	328.9	-1 570c	34 570				
-1 509c	21 510	14.03	-8.51	-20.62	22.31	0.6431	-0.694	247.5	14 474	35 578	min			
-1 520c	24 520	18.99	-20.17	-20.04	28.43	0.4608	-0.5283	224.8	16 481	36 581	Bm			
-1 529c	25 530	21.31	-25.12	-19.56	31.84	0.4141	-0.4734	217.9	16 484	36 582				
-1 540c	28 540	30.05	-41.46	-17.48	44.99	0.3338	-0.339	202.8	17 489	37 586				
-1 544c	28 545	30.05	-41.46	-17.48	44.99	0.3338	-0.339	202.8	17 489	37 586				
-1 549c	29 550	33.47	-46.92	-16.61	49.77	0.3249	-0.3048	199.4	18 491	37 588				
-1 554c	30 555	37.1	-52.13	-15.67	54.43	0.3236	-0.2753	196.7	18 492	37 589				
-1 560c	32 560	44.85	-61.06	-13.64	62.56	0.3411	-0.228	192.5	18 494	38 594				
W0	380	770	100.0	0.0	0.0	0.8856	-0.1063	0.0	$B_c=1,000$					
N0	380	770	4.0	0.0	0.0	0.8856	-0.1063	0.0	$x_c=0,110$					

CEX80-7N

TUB-test chart CEX8; Hue circle of the *Ostwald* optimal colours with Y values, $Y_N=0,0$, $Y_W=100$
Data: $YA_1B_1C_{AB,1}h_{AB,1}$ and $YA_2B_2C_{AB,2}h_{AB,2}$ as table with different wavelength, P25-02

1-000700-F0

Ostwald optimal colours (o), maximum (m) C _{AB} for P25, Y _N =0, Y _W =100, Y _m =520_770														
i ₁ , λ ₁	i ₂ , λ ₂	Y	A ₂	B ₂	C _{AB,2}	a ₂	b ₂	h _{xy,2}	i _d , λ _d	i _c , λ _c	Code			
1 405	35 576	49.8	-67.85	-38.91	78.22	0.3406	-0.1908	209.8	19 497	40 601	Cm			
6 435	35 576	49.94	-68.31	-28.79	74.13	0.3385	-0.1686	202.8	19 499	42 611				
10 450	35 577	50.11	-69.03	-5.95	69.29	0.3346	-0.1192	184.9	20 504	-1 504c				
11 460	35 577	50.41	-69.16	1.15	69.17	0.3369	-0.1038	179.0	21 506	-1 506c				
13 465	35 577	50.55	-69.08	14.79	70.65	0.3391	-0.0747	167.9	22 513	-1 513c				
14 470	35 578	50.92	-68.88	21.02	72.02	0.3445	-0.0617	163.0	23 518	-1 518c	Gm			
15 475	35 579	51.52	-68.54	26.66	73.55	0.3535	-0.0504	158.7	25 525	-1 525c				
16 480	36 580	51.92	-67.93	31.22	74.76	0.3624	-0.0413	155.3	26 531	-1 531c				
17 485	36 582	53.69	-66.67	36.33	75.93	0.3889	-0.0331	151.4	27 539	-1 539c				
18 490	37 586	56.27	-64.51	41.61	76.76	0.4271	-0.0264	147.1	29 546	-1 546c				
18 495	38 594	62.51	-59.86	47.71	76.55	0.5025	-0.0238	141.4	30 553	-1 553c				
20 500	44 620	75.83	-29.14	64.86	71.11	0.7319	-0.0138	114.1	34 570	-1 570c				
21 510	-1 509c	85.96	8.51	76.33	76.8	0.9252	-0.0103	83.6	35 578	14 474	max			
24 520	-1 520c	81.0	20.17	74.16	76.85	0.9852	-0.0073	74.7	36 581	16 481	Ym			
25 530	-1 529c	78.68	25.13	72.39	76.63	1.0134	-0.0068	70.8	36 582	16 484				
28 540	-1 540c	69.94	41.46	64.68	76.83	1.1227	-0.0063	57.3	37 586	17 489				
28 545	-1 544c	69.94	41.46	64.68	76.83	1.1227	-0.0063	57.3	37 586	17 489				
29 550	-1 549c	66.52	46.92	61.45	77.32	1.1678	-0.0064	52.6	37 588	18 491				
30 555	-1 554c	62.89	52.12	57.98	77.97	1.2172	-0.0066	48.0	37 589	18 492				
32 560	-1 560c	55.14	61.05	50.47	79.22	1.3285	-0.0073	39.5	38 594	18 494				
35 576	1 405	50.19	67.85	38.91	78.21	1.4263	-0.0225	29.8	40 601	19 497	Rm			
35 576	6 435	50.05	68.31	28.78	74.13	1.4315	-0.0441	22.8	42 611	19 499				
35 577	10 450	49.88	69.02	5.95	69.28	1.4391	-0.0934	4.9	-1 504c	20 504				
35 577	11 460	49.58	69.15	-1.15	69.16	1.4435	-0.1088	359.0	-1 506c	21 506				
35 577	13 465	49.44	69.07	-14.79	70.64	1.4445	-0.1387	347.9	-1 513c	22 513				
35 578	14 470	49.08	68.87	-21.02	72.01	1.4469	-0.1526	343.0	-1 518c	23 518	Mm			
35 579	15 475	48.47	68.53	-26.65	73.53	1.4512	-0.1658	338.7	-1 525c	25 525				
36 580	16 480	48.07	67.92	-31.22	74.75	1.4508	-0.1765	335.3	-1 531c	26 531				
36 582	17 485	46.3	66.66	-36.33	75.92	1.4615	-0.1911	331.4	-1 539c	27 539				
37 586	18 490	43.72	64.49	-41.6	76.75	1.4757	-0.2092	327.1	-1 546c	29 546				
38 594	18 495	37.48	59.85	-47.7	76.54	1.5243	-0.2439	321.4	-1 553c	30 553				
44 620	20 500	24.16	29.13	-64.85	71.1	1.3679	-0.3964	294.1	-1 570c	34 570				
-1 509c	21 510	14.03	-8.51	-76.32	76.79	0.6431	-0.694	263.6	14 474	35 578	min			
-1 520c	24 520	18.99	-20.17	-74.15	76.85	0.4608	-0.5283	254.7	16 481	36 581	Bm			
-1 529c	25 530	21.31	-25.12	-72.38	76.62	0.4141	-0.4734	250.8	16 484	36 582				
-1 540c	28 540	30.05	-41.46	-64.68	76.83	0.3338	-0.339	237.3	17 489	37 586				
-1 544c	28 545	30.05	-41.46	-64.68	76.83	0.3338	-0.339	237.3	17 489	37 586				
-1 549c	29 550	33.47	-46.92	-61.45	77.32	0.3249	-0.3048	232.6	18 491	37 588				
-1 554c	30 555	37.1	-52.13	-57.98	77.97	0.3236	-0.2753	228.0	18 492	37 589				
-1 560c	32 560	44.85	-61.06	-50.47	79.22	0.3411	-0.228	219.5	18 494	38 594				
W0 380	770	100.0	0.0	0.0	0.0	0.8856	-0.3935	0.0	B _c =3,700					
N0 380	770	4.0	0.0	0.0	0.0	0.8856	-0.3935	0.0	x _c =0,110					