

see similar files: <http://farbe.li-tu-berlin.de/CEX2/CEX2.LTM>
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Ostwald optimal colours (o), maximum (m) C_{AB} for D65, $Y_N=0$, $Y_W=100$, $Y_m=520_770$												
i_1, λ_1	i_2, λ_2	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	32 561	53.78	-54.31	-38.76	66.72	0.2119	-0.7237	215.5	16 483	37 589	Cm	
6 435	32 562	54.39	-57.35	-21.34	61.19	0.1941	-0.5924	200.4	17 486	42 610		
10 450	32 563	55.1	-61.58	10.82	62.52	0.1689	-0.3568	170.0	19 496	-1 496c		
12 460	33 565	55.49	-62.52	27.09	68.14	0.1652	-0.2401	156.5	21 505	-1 505c		
12 465	33 567	56.83	-62.56	28.55	68.77	0.1756	-0.2344	155.4	21 506	-1 506c		
14 470	33 569	58.03	-61.84	41.99	74.75	0.1897	-0.146	145.8	24 520	-1 520c	Gm	
15 475	34 573	60.12	-60.2	48.63	77.4	0.2153	-0.1118	141.0	25 528	-1 528c		
16 480	36 580	63.83	-56.74	56.01	79.73	0.2603	-0.0844	135.3	27 537	-1 537c		
17 485	39 595	71.51	-44.75	66.8	80.41	0.3656	-0.0617	123.8	29 548	-1 548c		
18 490	-1 490c	84.64	-0.37	82.92	82.92	0.6141	-0.0435	90.2	33 565	11 459	max	
19 495	-1 495c	83.35	2.27	82.9	82.93	0.6268	-0.0375	88.4	33 566	12 462		
20 500	-1 500c	81.72	5.48	82.21	82.39	0.6427	-0.033	86.1	33 567	12 464		
22 510	-1 510c	77.28	13.69	78.79	79.97	0.6867	-0.0276	80.1	33 569	13 469		
23 520	-1 519c	74.43	18.52	76.1	78.32	0.7154	-0.0264	76.3	34 570	14 471	Ym	
25 530	-1 529c	67.57	28.94	69.14	74.95	0.7872	-0.0261	67.2	34 573	15 475		
27 540	-1 539c	59.67	38.98	60.81	72.23	0.8772	-0.0278	57.3	35 577	15 478		
28 545	-1 544c	55.55	43.4	56.39	71.16	0.9284	-0.0293	52.4	35 579	15 479		
29 550	-1 549c	51.35	47.29	51.86	70.18	0.9843	-0.0314	47.6	36 582	16 480		
30 555	-1 554c	47.14	50.49	47.32	69.2	1.0443	-0.0339	43.1	36 584	16 481		
32 560	-1 560c	39.03	54.42	38.52	66.67	1.1736	-0.0406	35.2	37 589	16 483		
32 561	0 405	46.21	54.32	38.76	66.73	1.086	-0.0999	35.5	37 589	16 483	Rm	
32 562	6 435	45.6	57.35	21.34	61.19	1.1189	-0.2481	20.4	42 610	17 486		
32 563	10 450	44.89	61.57	-10.82	62.51	1.1645	-0.5318	350.0	-1 496c	19 496		
33 565	12 460	44.5	62.5	-27.09	68.12	1.1777	-0.6789	336.5	-1 505c	21 505		
33 567	12 465	43.16	62.55	-28.55	68.76	1.1956	-0.7	335.4	-1 506c	21 506		
33 569	14 470	41.96	61.82	-41.98	74.72	1.2052	-0.8356	325.8	-1 520c	24 520	Mm	
34 573	15 475	39.87	60.18	-48.62	77.37	1.2196	-0.9231	321.0	-1 528c	25 528		
36 580	16 480	36.16	56.72	-55.99	79.7	1.2433	-1.0547	315.3	-1 537c	27 537		
39 595	17 485	28.48	44.72	-66.77	80.37	1.2439	-1.373	303.8	-1 548c	29 548		
-1 490c	18 490	15.35	0.37	-82.86	82.86	0.6255	-2.5947	270.2	11 459	33 565	min	
-1 495c	19 495	16.64	-2.27	-82.85	82.88	0.5613	-2.4259	268.4	12 462	33 566		
-1 500c	20 500	18.27	-5.48	-82.16	82.35	0.4959	-2.2338	266.1	12 464	33 567		
-1 510c	22 510	22.71	-13.68	-78.75	79.93	0.3749	-1.822	260.1	13 469	33 569		
-1 519c	23 520	25.56	-18.51	-76.07	78.29	0.3262	-1.6259	256.3	14 471	34 570	Bm	
-1 529c	25 530	32.42	-28.93	-69.12	74.93	0.2589	-1.2882	247.2	15 475	34 573		
-1 539c	27 540	40.32	-38.97	-60.8	72.22	0.2292	-1.0385	237.3	15 478	35 577		
-1 544c	28 545	44.44	-43.39	-56.38	71.15	0.2253	-0.9428	232.4	15 479	35 579		
-1 549c	29 550	48.64	-47.28	-51.85	70.17	0.2271	-0.8618	227.6	16 480	36 582		
-1 554c	30 555	52.85	-50.48	-47.31	69.19	0.2337	-0.7935	223.1	16 481	36 584		
-1 560c	32 560	60.96	-54.41	-38.51	66.67	0.2588	-0.6881	215.2	16 483	37 589		
W0 380	770	100.0	0.0	0.0	0.0	0.6159	-0.4354	0.0	$B_c=1,000$			
N0 380	770	4.0	0.0	0.0	0.0	0.6159	-0.4354	0.0	$x_c=0,110$			

CEX20-7N

TUB-test chart CEX2; 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, D65-02

Ostwald optimal colours (o), maximum (m) C _{AB} for D65, Y _N =0, Y _W =100, Y _m =520_770													
i ₁ , λ ₁	i ₂ , λ ₂	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	32 561	53.78	-54.31	-31.0	62.54	0.2119	-0.7237	209.7	16 483	37 589	Cm		
6 435	32 562	54.39	-57.35	-17.07	59.84	0.1941	-0.5924	196.5	17 486	42 610			
10 450	32 563	55.1	-61.58	8.66	62.18	0.1689	-0.3568	171.9	19 496	-1 496c			
12 460	33 565	55.49	-62.52	21.67	66.17	0.1652	-0.2401	160.8	21 505	-1 505c			
12 465	33 567	56.83	-62.56	22.84	66.6	0.1756	-0.2344	159.9	21 506	-1 506c			
14 470	33 569	58.03	-61.84	33.59	70.37	0.1897	-0.146	151.4	24 520	-1 520c	Gm		
15 475	34 573	60.12	-60.2	38.91	71.68	0.2153	-0.1118	147.1	25 528	-1 528c			
16 480	36 580	63.83	-56.74	44.81	72.3	0.2603	-0.0844	141.7	27 537	-1 537c			
17 485	39 595	71.51	-44.75	53.44	69.7	0.3656	-0.0617	129.9	29 548	-1 548c			
18 490	-1 490c	84.64	-0.37	66.34	66.34	0.6141	-0.0435	90.3	33 565	11 459	max		
19 495	-1 495c	83.35	2.27	66.32	66.36	0.6268	-0.0375	88.0	33 566	12 462			
20 500	-1 500c	81.72	5.48	65.77	66.0	0.6427	-0.033	85.2	33 567	12 464			
22 510	-1 510c	77.28	13.69	63.03	64.5	0.6867	-0.0276	77.7	33 569	13 469			
23 520	-1 519c	74.43	18.52	60.88	63.64	0.7154	-0.0264	73.0	34 570	14 471	Ym		
25 530	-1 529c	67.57	28.94	55.31	62.43	0.7872	-0.0261	62.3	34 573	15 475			
27 540	-1 539c	59.67	38.98	48.65	62.34	0.8772	-0.0278	51.2	35 577	15 478			
28 545	-1 544c	55.55	43.4	45.11	62.6	0.9284	-0.0293	46.1	35 579	15 479			
29 550	-1 549c	51.35	47.29	41.49	62.91	0.9843	-0.0314	41.2	36 582	16 480			
30 555	-1 554c	47.14	50.49	37.85	63.11	1.0443	-0.0339	36.8	36 584	16 481			
32 560	-1 560c	39.03	54.42	30.81	62.54	1.1736	-0.0406	29.5	37 589	16 483			
32 561	0 405	46.21	54.32	31.01	62.54	1.086	-0.0999	29.7	37 589	16 483	Rm		
32 562	6 435	45.6	57.35	17.07	59.84	1.1189	-0.2481	16.5	42 610	17 486			
32 563	10 450	44.89	61.57	-8.65	62.17	1.1645	-0.5318	351.9	-1 496c	19 496			
33 565	12 460	44.5	62.5	-21.67	66.15	1.1777	-0.6789	340.8	-1 505c	21 505			
33 567	12 465	43.16	62.55	-22.84	66.59	1.1956	-0.7	339.9	-1 506c	21 506			
33 569	14 470	41.96	61.82	-33.58	70.35	1.2052	-0.8356	331.4	-1 520c	24 520	Mm		
34 573	15 475	39.87	60.18	-38.89	71.66	1.2196	-0.9231	327.1	-1 528c	25 528			
36 580	16 480	36.16	56.72	-44.79	72.27	1.2433	-1.0547	321.7	-1 537c	27 537			
39 595	17 485	28.48	44.72	-53.42	69.67	1.2439	-1.373	309.9	-1 548c	29 548			
-1 490c	18 490	15.35	0.37	-66.29	66.29	0.6255	-2.5947	270.3	11 459	33 565	min		
-1 495c	19 495	16.64	-2.27	-66.28	66.32	0.5613	-2.4259	268.0	12 462	33 566			
-1 500c	20 500	18.27	-5.48	-65.73	65.96	0.4959	-2.2338	265.2	12 464	33 567			
-1 510c	22 510	22.71	-13.68	-63.0	64.47	0.3749	-1.822	257.7	13 469	33 569			
-1 519c	23 520	25.56	-18.51	-60.86	63.61	0.3262	-1.6259	253.0	14 471	34 570	Bm		
-1 529c	25 530	32.42	-28.93	-55.3	62.41	0.2589	-1.2882	231.3	15 475	34 573			
-1 539c	27 540	40.32	-38.97	-48.64	62.32	0.2292	-1.0385	231.2	15 478	35 577			
-1 544c	28 545	44.44	-43.39	-45.1	62.59	0.2253	-0.9428	226.1	15 479	35 579			
-1 549c	29 550	48.64	-47.28	-41.48	62.9	0.2271	-0.8618	221.2	16 480	36 582			
-1 554c	30 555	52.85	-50.48	-37.85	63.1	0.2337	-0.7935	216.8	16 481	36 584			
-1 560c	32 560	60.96	-54.41	-30.81	62.53	0.2588	-0.6881	209.5	16 483	37 589			
W0 380	770	100.0	0.0	0.0	0.0	0.6159	-0.3483	0.0	B _c =0,800				
N0 380	770	4.0	0.0	0.0	0.0	0.6159	-0.3483	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 D50, $Y_N=0$, $Y_W=100$, $Y_m=520$, 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	53.83	-58.36	-29.05	65.19	0.2236	-0.5457	206.4	17 486	38 592	Cm			
7 435	33 565	53.61	-60.85	-13.59	62.35	0.2032	-0.4313	192.5	18 490	46 631				
10 450	33 566	54.16	-63.04	5.01	63.24	0.1916	-0.2928	175.4	19 497	-1 497c				
12 460	33 567	54.86	-63.72	17.85	66.17	0.1926	-0.1997	164.3	21 506	-1 506c				
13 465	33 568	55.56	-63.67	23.7	67.94	0.1988	-0.1592	159.5	22 512	-1 512c				
14 470	34 570	56.11	-63.21	28.57	69.37	0.2066	-0.1261	155.6	23 519	-1 519c	Gm			
15 475	34 573	58.04	-62.0	33.75	70.59	0.2299	-0.0973	151.4	25 527	-1 527c				
15 480	35 578	61.49	-60.85	36.59	71.01	0.2613	-0.0919	148.9	26 532	-1 532c				
17 485	37 587	66.01	-53.55	45.14	70.04	0.3327	-0.0563	139.8	28 544	-1 544c				
18 490	44 620	79.56	-21.36	57.86	61.68	0.5498	-0.0389	110.2	32 561	-1 561c				
19 495	-1 495c	84.51	3.56	63.16	63.26	0.674	-0.0309	86.7	33 568	12 463	max			
20 500	-1 500c	83.07	6.55	62.93	63.27	0.6888	-0.0268	84.0	33 569	13 466				
22 510	-1 510c	79.06	14.38	60.89	62.56	0.73	-0.0218	76.7	34 571	14 471				
23 520	-1 519c	76.43	19.11	59.1	62.11	0.7572	-0.0205	72.0	34 572	14 473	Ym			
25 530	-1 529c	69.95	29.61	54.23	61.8	0.8265	-0.0197	61.3	35 575	15 477				
27 540	-1 539c	62.35	40.06	48.22	62.69	0.9142	-0.0205	50.2	35 579	16 480				
28 545	-1 544c	58.33	44.79	44.97	63.47	0.9643	-0.0214	45.1	36 581	16 481				
29 550	-1 549c	54.19	49.04	41.6	64.31	1.0192	-0.0227	40.3	36 583	16 483				
30 555	-1 554c	50.01	52.65	38.19	65.05	1.0783	-0.0244	35.9	37 585	16 484				
32 560	-1 560c	41.85	57.44	31.49	65.51	1.2062	-0.0288	28.7	38 590	17 486				
32 564	1 405	46.16	58.36	29.05	65.19	1.1629	-0.078	26.4	38 592	17 486	Rm			
33 565	7 435	46.38	60.85	13.59	62.35	1.182	-0.2126	12.5	46 631	18 490				
33 566	10 450	45.83	63.03	-5.01	63.23	1.2074	-0.3736	355.4	-1 497c	19 497				
33 567	12 460	45.13	63.7	-17.84	66.16	1.2217	-0.488	344.3	-1 506c	21 506				
33 568	13 465	44.43	63.66	-23.7	67.93	1.2302	-0.5432	339.5	-1 512c	22 512				
34 570	14 470	43.88	63.2	-28.57	69.36	1.2333	-0.5903	335.6	-1 519c	23 519	Mm			
34 573	15 475	41.95	61.98	-33.74	70.57	1.2483	-0.6516	331.4	-1 527c	25 527				
35 578	15 480	38.5	60.84	-36.57	70.99	1.2893	-0.7099	328.9	-1 532c	26 532				
37 587	17 485	33.98	53.54	-45.12	70.02	1.2874	-0.861	319.8	-1 544c	28 544				
44 620	18 490	20.43	21.35	-57.83	61.65	1.0751	-1.4618	290.2	-1 561c	32 561				
-1 495c	19 495	15.48	-3.55	-63.13	63.23	0.5652	-1.9609	266.7	12 463	33 568	min			
-1 500c	20 500	16.92	-6.55	-62.9	63.24	0.5023	-1.8165	264.0	13 466	33 569				
-1 510c	22 510	20.93	-14.37	-60.86	62.54	0.3825	-1.4926	256.7	14 471	34 571				
-1 519c	23 520	23.56	-19.11	-59.08	62.09	0.3328	-1.3327	252.0	14 473	34 572	Bm			
-1 529c	25 530	30.04	-29.61	-54.22	61.78	0.2629	-1.0518	241.3	15 477	35 575				
-1 539c	27 540	37.64	-40.05	-48.21	62.68	0.2316	-0.8422	230.2	16 480	35 579				
-1 544c	28 545	41.66	-44.78	-44.97	63.46	0.2273	-0.7615	225.1	16 481	36 581				
-1 549c	29 550	45.8	-49.03	-41.6	64.31	0.229	-0.6931	220.3	16 483	36 583				
-1 554c	30 555	49.98	-52.65	-38.19	65.04	0.2358	-0.6355	215.9	16 484	37 585				
-1 560c	32 560	58.14	-57.44	-31.49	65.51	0.262	-0.5465	208.7	17 486	38 590				
W0	380	770	100.0	0.0	0.0	0.6572	-0.3298	0.0	$B_c=1,000$					
N0	380	770	4.0	0.0	0.0	0.6572	-0.3298	0.0	$x_c=0,110$					

CEX20-7N

TUB-test chart CEX2; 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, D50-02

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Ostwald optimal colours (o), maximum (m) C _{AB} for D50, Y _N =0, Y _W =100, Y _m =520_770														
i ₁ , λ ₁	i ₂ , λ ₂	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	53.83	-58.36	-29.05	65.19	0.2236	-0.5457	206.4	17 486	38 592	Cm			
7 435	33 565	53.61	-60.85	-13.59	62.35	0.2032	-0.4313	192.5	18 490	46 631				
10 450	33 566	54.16	-63.04	5.01	63.24	0.1916	-0.2928	175.4	19 497	-1 497c				
12 460	33 567	54.86	-63.72	17.85	66.17	0.1926	-0.1997	164.3	21 506	-1 506c				
13 465	33 568	55.56	-63.67	23.7	67.94	0.1988	-0.1592	159.5	22 512	-1 512c				
14 470	34 570	56.11	-63.21	28.57	69.37	0.2066	-0.1261	155.6	23 519	-1 519c	Gm			
15 475	34 573	58.04	-62.0	33.75	70.59	0.2299	-0.0973	151.4	25 527	-1 527c				
15 480	35 578	61.49	-60.85	36.59	71.01	0.2613	-0.0919	148.9	26 532	-1 532c				
17 485	37 587	66.01	-53.55	45.14	70.04	0.3327	-0.0563	139.8	28 544	-1 544c				
18 490	44 620	79.56	-21.36	57.86	61.68	0.5498	-0.0389	110.2	32 561	-1 561c				
19 495	-1 495c	84.51	3.56	63.16	63.26	0.674	-0.0309	86.7	33 568	12 463	max			
20 500	-1 500c	83.07	6.55	62.93	63.27	0.6888	-0.0268	84.0	33 569	13 466				
22 510	-1 510c	79.06	14.38	60.89	62.56	0.73	-0.0218	76.7	34 571	14 471				
23 520	-1 519c	76.43	19.11	59.1	62.11	0.7572	-0.0205	72.0	34 572	14 473	Ym			
25 530	-1 529c	69.95	29.61	54.23	61.8	0.8265	-0.0197	61.3	35 575	15 477				
27 540	-1 539c	62.35	40.06	48.22	62.69	0.9142	-0.0205	50.2	35 579	16 480				
28 545	-1 544c	58.33	44.79	44.97	63.47	0.9643	-0.0214	45.1	36 581	16 481				
29 550	-1 549c	54.19	49.04	41.6	64.31	1.0192	-0.0227	40.3	36 583	16 483				
30 555	-1 554c	50.01	52.65	38.19	65.05	1.0783	-0.0244	35.9	37 585	16 484				
32 560	-1 560c	41.85	57.44	31.49	65.51	1.2062	-0.0288	28.7	38 590	17 486				
32 564	1 405	46.16	58.36	29.05	65.19	1.1629	-0.078	26.4	38 592	17 486	Rm			
33 565	7 435	46.38	60.85	13.59	62.35	1.182	-0.2126	12.5	46 631	18 490				
33 566	10 450	45.83	63.03	-5.01	63.23	1.2074	-0.3736	355.4	-1 497c	19 497				
33 567	12 460	45.13	63.7	-17.84	66.16	1.2217	-0.488	344.3	-1 506c	21 506				
33 568	13 465	44.43	63.66	-23.7	67.93	1.2302	-0.5432	339.5	-1 512c	22 512				
34 570	14 470	43.88	63.2	-28.57	69.36	1.2333	-0.5903	335.6	-1 519c	23 519	Mm			
34 573	15 475	41.95	61.98	-33.74	70.57	1.2483	-0.6516	331.4	-1 527c	25 527				
35 578	15 480	38.5	60.84	-36.57	70.99	1.2893	-0.7099	328.9	-1 532c	26 532				
37 587	17 485	33.98	53.54	-45.12	70.02	1.2874	-0.861	319.8	-1 544c	28 544				
44 620	18 490	20.43	21.35	-57.83	61.65	1.0751	-1.4618	290.2	-1 561c	32 561				
-1 495c	19 495	15.48	-3.55	-63.13	63.23	0.5652	-1.9609	266.7	12 463	33 568	min			
-1 500c	20 500	16.92	-6.55	-62.9	63.24	0.5023	-1.8165	264.0	13 466	33 569				
-1 510c	22 510	20.93	-14.37	-60.86	62.54	0.3825	-1.4926	256.7	14 471	34 571				
-1 519c	23 520	23.56	-19.11	-59.08	62.09	0.3328	-1.3327	252.0	14 473	34 572	Bm			
-1 529c	25 530	30.04	-29.61	-54.22	61.78	0.2629	-1.0518	241.3	15 477	35 575				
-1 539c	27 540	37.64	-40.05	-48.21	62.68	0.2316	-0.8422	230.2	16 480	35 579				
-1 544c	28 545	41.66	-44.78	-44.97	63.46	0.2273	-0.7615	225.1	16 481	36 581				
-1 549c	29 550	45.8	-49.03	-41.6	64.31	0.229	-0.6931	220.3	16 483	36 583				
-1 554c	30 555	49.98	-52.65	-38.19	65.04	0.2358	-0.6355	215.9	16 484	37 585				
-1 560c	32 560	58.14	-57.44	-31.49	65.51	0.262	-0.5465	208.7	17 486	38 590				
W0 380	770	100.0	0.0	0.0	0.0	0.6572	-0.3298	0.0	B _c =1,000					
N0 380	770	4.0	0.0	0.0	0.0	0.6572	-0.3298	0.0	x _c =0,110					

see similar files: <http://farbe.li-tu-berlin.de/CEX2/CEX2.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	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	0.7169	-0.2586	0.0	B _c =1,000					
N0	380	770	4.0	0.0	0.0	0.7169	-0.2586	0.0	x _c =0,110					

CEX20-7N

TUB-test chart CEX2; 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

1-000200-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	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/CEX2/CEX2.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 A00, $Y_N=0$, $Y_W=100$, $Y_m=520_770$													
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	34 574	51.03	-66.19	-13.6	67.58	0.3094	-0.2489	191.6	18 494	39 599	Cm		
6 435	34 574	51.22	-66.93	-9.45	67.59	0.3056	-0.2161	188.0	19 496	42 612			
9 450	34 574	51.5	-67.83	-3.1	67.9	0.3015	-0.1664	182.6	20 501	-1 501c			
12 460	35 575	51.11	-68.15	4.16	68.27	0.295	-0.1097	176.5	21 508	-1 508c			
13 465	35 575	51.41	-68.0	6.6	68.32	0.2991	-0.0909	174.4	22 512	-1 512c			
13 470	35 576	52.07	-68.01	6.83	68.35	0.3058	-0.0897	174.2	22 513	-1 513c	Gm		
14 475	35 577	52.94	-67.68	9.19	68.3	0.3169	-0.0727	172.2	23 519	-1 519c			
16 480	35 579	54.11	-66.38	12.76	67.59	0.3376	-0.0479	169.1	26 533	-1 533c			
17 485	36 582	55.92	-64.72	14.53	66.33	0.3653	-0.0383	167.3	28 540	-1 540c			
18 490	37 588	59.84	-61.07	16.82	63.34	0.42	-0.0298	164.5	29 548	-1 548c			
19 495	40 601	67.85	-49.0	20.38	53.07	0.5394	-0.022	157.4	31 559	-1 559c			
20 500	-1 500c	86.26	6.35	27.52	28.24	0.8578	-0.0146	76.9	35 576	13 469	max		
21 510	-1 509c	85.08	9.22	27.58	29.08	0.8716	-0.0126	71.5	35 576	14 472			
24 520	-1 520c	79.47	21.63	26.41	34.14	0.9372	-0.0093	50.6	35 579	16 480	Ym		
26 530	-1 530c	74.02	32.11	24.74	40.54	1.0018	-0.0085	37.6	36 582	16 484			
28 540	-1 540c	67.47	43.03	22.56	48.58	1.0834	-0.0085	27.6	37 585	17 487			
28 545	-1 544c	67.47	43.03	22.56	48.58	1.0834	-0.0085	27.6	37 585	17 487			
29 550	-1 549c	63.86	48.27	21.32	52.77	1.1306	-0.0087	23.8	37 586	17 489			
31 555	-1 555c	56.16	57.51	18.62	60.45	1.2379	-0.0096	17.9	38 590	18 491			
32 560	-1 560c	52.14	61.17	17.2	63.55	1.2975	-0.0102	15.7	38 593	18 492			
34 574	1 405	48.96	66.19	13.6	67.57	1.369	-0.0311	11.6	39 599	18 494	Rm		
34 574	6 435	48.77	66.92	9.45	67.59	1.3771	-0.0647	8.0	42 612	19 496			
34 574	9 450	48.49	67.82	3.1	67.89	1.3877	-0.1166	2.6	-1 501c	20 501			
35 575	12 460	48.88	68.14	-4.16	68.26	1.3858	-0.1763	356.5	-1 508c	21 508			
35 575	13 465	48.58	67.99	-6.6	68.31	1.388	-0.1966	354.4	-1 512c	22 512			
35 576	13 470	47.92	68.0	-6.83	68.34	1.3958	-0.1993	354.2	-1 513c	22 513	Mm		
35 577	14 475	47.05	67.67	-9.19	68.29	1.4036	-0.2204	352.2	-1 519c	23 519			
35 579	16 480	45.88	66.36	-12.76	67.58	1.4069	-0.2535	349.1	-1 533c	26 533			
36 582	17 485	44.07	64.71	-14.52	66.32	1.4155	-0.2741	347.3	-1 540c	28 540			
37 588	18 490	40.15	61.05	-16.81	63.33	1.4364	-0.3098	344.5	-1 548c	29 548			
40 601	19 495	32.14	48.99	-20.38	53.06	1.4379	-0.3959	337.4	-1 559c	31 559			
-1 500c	20 500	13.73	-6.35	-27.51	28.24	0.6431	-0.9436	256.9	13 469	35 576	min		
-1 509c	21 510	14.91	-9.21	-27.57	29.07	0.581	-0.8819	251.5	14 472	35 576			
-1 520c	24 520	20.52	-21.63	-26.41	34.14	0.4067	-0.6569	230.6	16 480	35 579	Bm		
-1 530c	26 530	25.97	-32.11	-24.74	40.54	0.3337	-0.5233	217.6	16 484	36 582			
-1 540c	28 540	32.52	-43.03	-22.56	48.58	0.299	-0.4197	207.6	17 487	37 585			
-1 544c	28 545	32.52	-43.03	-22.56	48.58	0.299	-0.4197	207.6	17 487	37 585			
-1 549c	29 550	36.13	-48.27	-21.32	52.77	0.2938	-0.3783	203.8	17 489	37 586			
-1 555c	31 555	43.83	-57.51	-18.62	60.46	0.3034	-0.3122	197.9	18 491	38 590			
-1 560c	32 560	47.85	-61.17	-17.2	63.55	0.3169	-0.2861	195.7	18 492	38 593			
W0 380	770	99.99	0.0	0.0	0.0	0.8283	-0.1422	0.0	$B_c=1,000$				
N0 380	770	3.99	0.0	0.0	0.0	0.8283	-0.1422	0.0	$x_c=0,110$				

CEX20-7N

TUB-test chart CEX2; 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, A00-02

1-000300-F0

Ostwald optimal colours (o), maximum (m) C_{AB} for A00, $Y_N=0$, $Y_W=100$, $Y_m=520_770$													
i_1, λ_1	i_2, λ_2	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	34 574	51.03	-66.19	-34.0	74.42	0.3094	-0.2489	207.1	18 494	39 599	Cm		
6 435	34 574	51.22	-66.93	-23.63	70.98	0.3056	-0.2161	199.4	19 496	42 612			
9 450	34 574	51.5	-67.83	-7.76	68.27	0.3015	-0.1664	186.5	20 501	-1 501c			
12 460	35 575	51.11	-68.15	10.4	68.93	0.295	-0.1097	171.3	21 508	-1 508c			
13 465	35 575	51.41	-68.0	16.5	69.98	0.2991	-0.0909	166.3	22 512	-1 512c			
13 470	35 576	52.07	-68.01	17.09	70.12	0.3058	-0.0897	165.8	22 513	-1 513c	Gm		
14 475	35 577	52.94	-67.68	22.99	71.48	0.3169	-0.0727	161.2	23 519	-1 519c			
16 480	35 579	54.11	-66.38	31.9	73.65	0.3376	-0.0479	154.3	26 533	-1 533c			
17 485	36 582	55.92	-64.72	36.33	74.22	0.3653	-0.0383	150.6	28 540	-1 540c			
18 490	37 588	59.84	-61.07	42.05	74.15	0.42	-0.0298	145.4	29 548	-1 548c			
19 495	40 601	67.85	-49.0	50.97	70.7	0.5394	-0.022	133.8	31 559	-1 559c			
20 500	-1 500c	86.26	6.35	68.81	69.1	0.8578	-0.0146	84.7	35 576	13 469	max		
21 510	-1 509c	85.08	9.22	68.95	69.56	0.8716	-0.0126	82.3	35 576	14 472			
24 520	-1 520c	79.47	21.63	66.04	69.49	0.9372	-0.0093	71.8	35 579	16 480	Ym		
26 530	-1 530c	74.02	32.11	61.87	69.71	1.0018	-0.0085	62.5	36 582	16 484			
28 540	-1 540c	67.47	43.03	56.4	70.94	1.0834	-0.0085	52.6	37 585	17 487			
28 545	-1 544c	67.47	43.03	56.4	70.94	1.0834	-0.0085	52.6	37 585	17 487			
29 550	-1 549c	63.86	48.27	53.3	71.91	1.1306	-0.0087	47.8	37 586	17 489			
31 555	-1 555c	56.16	57.51	46.56	74.0	1.2379	-0.0096	38.9	38 590	18 491			
32 560	-1 560c	52.14	61.17	43.02	74.78	1.2975	-0.0102	35.1	38 593	18 492			
34 574	1 405	48.96	66.19	34.0	74.41	1.369	-0.0311	27.1	39 599	18 494	Rm		
34 574	6 435	48.77	66.92	23.63	70.97	1.3771	-0.0647	19.4	42 612	19 496			
34 574	9 450	48.49	67.82	7.76	68.26	1.3877	-0.1166	6.5	-1 501c	20 501			
35 575	12 460	48.88	68.14	-10.4	68.93	1.3858	-0.1763	351.3	-1 508c	21 508			
35 575	13 465	48.58	67.99	-16.5	69.97	1.388	-0.1966	346.3	-1 512c	22 512			
35 576	13 470	47.92	68.0	-17.08	70.11	1.3958	-0.1993	345.8	-1 513c	22 513	Mm		
35 577	14 475	47.05	67.67	-22.99	71.47	1.4036	-0.2204	341.2	-1 519c	23 519			
35 579	16 480	45.88	66.36	-31.9	73.63	1.4069	-0.2535	334.3	-1 533c	26 533			
36 582	17 485	44.07	64.71	-36.32	74.21	1.4155	-0.2741	330.6	-1 540c	28 540			
37 588	18 490	40.15	61.05	-42.04	74.13	1.4364	-0.3098	325.4	-1 548c	29 548			
40 601	19 495	32.14	48.99	-50.96	70.69	1.4379	-0.3959	313.8	-1 559c	31 559			
-1 500c	20 500	13.73	-6.35	-68.79	69.08	0.6431	-0.9436	264.7	13 469	35 576	min		
-1 509c	21 510	14.91	-9.21	-68.94	69.55	0.581	-0.8819	262.3	14 472	35 576			
-1 520c	24 520	20.52	-21.63	-66.03	69.48	0.4067	-0.6569	251.8	16 480	35 579	Bm		
-1 530c	26 530	25.97	-32.11	-61.86	69.7	0.3337	-0.5233	242.5	16 484	36 582			
-1 540c	28 540	32.52	-43.03	-56.4	70.94	0.299	-0.4197	232.6	17 487	37 585			
-1 544c	28 545	32.52	-43.03	-56.4	70.94	0.299	-0.4197	232.6	17 487	37 585			
-1 549c	29 550	36.13	-48.27	-53.3	71.91	0.2938	-0.3783	227.8	17 489	37 586			
-1 555c	31 555	43.83	-57.51	-46.56	74.0	0.3034	-0.3122	218.9	18 491	38 590			
-1 560c	32 560	47.85	-61.17	-43.02	74.79	0.3169	-0.2861	215.1	18 492	38 593			
W0 380	770	99.99	0.0	0.0	0.0	0.8283	-0.3557	0.0	$B_c=2,500$				
N0 380	770	3.99	0.0	0.0	0.0	0.8283	-0.3557	0.0	$x_c=0,110$				

CEX21-7N

TUB registration: 20201101-CEX2/CEX2L0NP.PDF /.PS
application for evaluation and measurement of display or print output

TUB material: code=rha4ta</

see similar files: <http://farbe.li-tu-berlin.de/CEX2/CEX2.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 E00, $Y_N=0$, $Y_W=100$, $Y_m=520_770$														
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	53.49	-57.78	-35.0	67.56	0.2377	-0.6616	211.2	16 484	38 592	Cm			
6 435	33 565	53.39	-60.72	-17.5	63.19	0.2149	-0.531	196.0	17 488	45 625				
10 450	33 566	54.0	-64.36	11.33	65.35	0.193	-0.3159	170.0	19 498	-1 498c				
12 460	33 568	54.91	-65.15	25.6	70.0	0.1952	-0.2134	158.5	21 507	-1 507c				
13 465	33 569	55.83	-65.15	32.19	72.68	0.2029	-0.1691	153.7	22 514	-1 514c				
14 470	34 571	56.68	-64.44	37.75	74.69	0.215	-0.1334	149.6	24 522	-1 522c	Gm			
14 475	35 575	59.12	-64.19	40.19	75.73	0.2354	-0.1279	147.9	25 525	-1 525c				
16 480	36 581	62.44	-59.85	50.14	78.08	0.2864	-0.0786	140.0	27 538	-1 538c				
17 485	39 595	69.67	-49.57	59.54	77.47	0.3851	-0.058	129.7	29 549	-1 549c				
18 490	-1 490c	85.28	-0.38	76.79	76.79	0.6679	-0.0397	90.2	33 568	11 459	max			
19 495	-1 495c	84.1	2.16	76.87	76.91	0.6801	-0.0342	88.3	33 568	12 461				
19 500	-1 499c	84.1	2.16	76.87	76.91	0.6801	-0.0342	88.3	33 568	12 461				
22 510	-1 510c	78.54	13.37	73.59	74.79	0.7379	-0.0251	79.6	34 571	13 469				
24 520	-1 520c	72.84	23.48	68.54	72.45	0.7987	-0.0234	71.0	34 574	14 473	Ym			
26 530	-1 530c	65.9	34.1	61.95	70.72	0.8767	-0.0238	61.1	35 577	15 477				
28 540	-1 540c	58.21	43.89	54.44	69.93	0.9713	-0.0258	51.1	36 581	15 479				
29 545	-1 545c	54.22	48.12	50.49	69.75	1.0247	-0.0273	46.3	36 583	16 480				
29 550	-1 549c	54.22	48.12	50.49	69.75	1.0247	-0.0273	46.3	36 583	16 480				
30 555	-1 554c	50.19	51.73	46.49	69.55	1.0821	-0.0293	41.9	37 585	16 482				
32 560	-1 560c	42.16	56.68	38.5	68.52	1.2074	-0.0346	34.1	38 590	16 483				
32 564	1 405	46.5	57.79	35.0	67.56	1.1669	-0.0987	31.2	38 592	16 484	Rm			
33 565	6 435	46.6	60.72	17.5	63.19	1.1909	-0.2496	16.0	45 625	17 488				
33 566	10 450	45.99	64.35	-11.33	65.34	1.2295	-0.4984	350.0	-1 498c	19 498				
33 568	12 460	45.08	65.14	-25.59	69.98	1.2477	-0.6269	338.5	-1 507c	21 507				
33 569	13 465	44.16	65.14	-32.18	72.66	1.2597	-0.6913	333.7	-1 514c	22 514				
34 571	14 470	43.31	64.42	-37.74	74.67	1.2647	-0.7484	329.6	-1 522c	24 522	Mm			
35 575	14 475	40.87	64.17	-40.17	75.71	1.2977	-0.793	327.9	-1 525c	25 525				
36 581	16 480	37.55	59.83	-50.12	78.05	1.3071	-0.9338	320.0	-1 538c	27 538				
39 595	17 485	30.32	49.55	-59.51	77.44	1.3234	-1.1848	309.7	-1 549c	29 549				
-1 490c	18 490	14.71	0.38	-76.73	76.73	0.6802	-2.4857	270.2	11 459	33 568	min			
-1 495c	19 495	15.89	-2.16	-76.83	76.86	0.6153	-2.3337	268.3	12 461	33 568				
-1 499c	19 500	15.89	-2.16	-76.83	76.86	0.6153	-2.3337	268.3	12 461	33 568				
-1 510c	22 510	21.45	-13.36	-73.55	74.76	0.4205	-1.7713	259.6	13 469	34 571				
-1 520c	24 520	27.15	-23.47	-68.52	72.43	0.324	-1.4091	251.0	14 473	34 574	Bm			
-1 530c	26 530	34.09	-34.09	-61.94	70.7	0.2698	-1.1266	241.1	15 477	35 577				
-1 540c	28 540	41.78	-43.88	-54.43	69.91	0.2496	-0.9209	231.1	15 479	36 581				
-1 545c	29 545	45.77	-48.11	-50.48	69.74	0.2493	-0.841	226.3	16 480	36 583				
-1 549c	29 550	45.77	-48.11	-50.48	69.74	0.2493	-0.841	226.3	16 480	36 583				
-1 554c	30 555	49.8	-51.73	-46.48	69.55	0.2543	-0.7732	221.9	16 482	37 585				
-1 560c	32 560	57.83	-56.67	-38.5	68.52	0.2777	-0.6662	214.1	16 483	38 590				
W0 380	770	100.0	0.0	0.0	0.0	0.6698	-0.3998	0.0	$B_c=1,000$					
N0 380	770	4.0	0.0	0.0	0.0	0.6698	-0.3998	0.0	$x_c=0,110$					

CEX20-7N

TUB-test chart CEX2; 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, E00-02

Ostwald optimal colours (o), maximum (m) C_{AB} for E00, $Y_N=0$, $Y_W=100$, $Y_m=520_770$														
i_1, λ_1	i_2, λ_2	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	53.49	-57.78	-31.5	65.81	0.2377	-0.6616	208.5	16 484	38 592	Cm			
6 435	33 565	53.39	-60.72	-15.75	62.73	0.2149	-0.531	194.5	17 488	45 625				
10 450	33 566	54.0	-64.36	10.19	65.17	0.193	-0.3159	170.9	19 498	-1 498c				
12 460	33 568	54.91	-65.15	23.04	69.1	0.1952	-0.2134	160.5	21 507	-1 507c				
13 465	33 569	55.83	-65.15	28.97	71.31	0.2029	-0.1691	156.0	22 514	-1 514c				
14 470	34 571	56.68	-64.44	33.98	72.85	0.215	-0.1334	152.1	24 522	-1 522c	Gm			
14 475	35 575	59.12	-64.19	36.17	73.68	0.2354	-0.1279	150.6	25 525	-1 525c				
16 480	36 581	62.44	-59.85	45.13	74.96	0.2864	-0.0786	142.9	27 538	-1 538c				
17 485	39 595	69.67	-49.57	53.58	73.0	0.3851	-0.058	132.7	29 549	-1 549c				
18 490	-1 490c	85.28	-0.38	69.11	69.11	0.6679	-0.0397	90.3	33 568	11 459	max			
19 495	-1 495c	84.1	2.16	69.19	69.22	0.6801	-0.0342	88.2	33 568	12 461				
19 500	-1 499c	84.1	2.16	69.19	69.22	0.6801	-0.0342	88.2	33 568	12 461				
22 510	-1 510c	78.54	13.37	66.23	67.56	0.7379	-0.0251	78.5	34 571	13 469				
24 520	-1 520c	72.84	23.48	61.69	66.01	0.7987	-0.0234	69.1	34 574	14 473	Ym			
26 530	-1 530c	65.9	34.1	55.76	65.36	0.8767	-0.0238	58.5	35 577	15 477				
28 540	-1 540c	58.21	43.89	48.99	65.78	0.9713	-0.0258	48.1	36 581	15 479				
29 545	-1 545c	54.22	48.12	45.44	66.18	1.0247	-0.0273	43.3	36 583	16 480				
29 550	-1 549c	54.22	48.12	45.44	66.18	1.0247	-0.0273	43.3	36 583	16 480				
30 555	-1 554c	50.19	51.73	41.84	66.54	1.0821	-0.0293	38.9	37 585	16 482				
32 560	-1 560c	42.16	56.68	34.65	66.43	1.2074	-0.0346	31.4	38 590	16 483				
32 564	1 405	46.5	57.79	31.5	65.82	1.1669	-0.0987	28.5	38 592	16 484	Rm			
33 565	6 435	46.6	60.72	15.75	62.73	1.1909	-0.2496	14.5	45 625	17 488				
33 566	10 450	45.99	64.35	-10.19	65.16	1.2295	-0.4984	350.9	-1 498c	19 498				
33 568	12 460	45.08	65.14	-23.03	69.09	1.2477	-0.6269	340.5	-1 507c	21 507				
33 569	13 465	44.16	65.14	-28.97	71.29	1.2597	-0.6913	336.0	-1 514c	22 514				
34 571	14 470	43.31	64.42	-33.97	72.83	1.2647	-0.7484	332.1	-1 522c	24 522	Mm			
35 575	14 475	40.87	64.17	-36.16	73.66	1.2977	-0.793	330.6	-1 525c	25 525				
36 581	16 480	37.55	59.83	-45.11	74.93	1.3071	-0.9338	322.9	-1 538c	27 538				
39 595	17 485	30.32	49.55	-53.56	72.97	1.3234	-1.1848	312.7	-1 549c	29 549				
-1 490c	18 490	14.71	0.38	-69.06	69.06	0.6802	-2.4857	270.3	11 459	33 568	min			
-1 495c	19 495	15.89	-2.16	-69.14	69.18	0.6153	-2.3337	268.2	12 461					

see similar files: <http://farbe.li-tu-berlin.de/CEX2/CEX2.LTM>
technical information: <http://farbe.li-tu-berlin.de> or <http://130.149.60.45/~farbmetrik>

Ostwald optimal colours (o), maximum (m) C _{AB} for C00, Y _N =0, Y _W =100, Y _m =520_770														
i ₁ , λ ₁	i ₂ , λ ₂	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	32 562	53.39	-53.98	-42.22	68.54	0.2281	-0.7891	218.0	16 482	37 589	Cm			
6 435	32 563	54.08	-57.42	-22.5	61.67	0.2079	-0.6391	201.4	17 486	42 612				
10 450	32 564	54.92	-62.18	13.17	63.56	0.1797	-0.3768	168.0	19 496	-1 496c				
11 460	33 566	55.77	-62.83	22.71	66.81	0.182	-0.3098	160.1	20 501	-1 501c				
13 465	33 568	56.56	-62.92	38.69	73.86	0.1876	-0.1991	148.4	22 513	-1 513c				
14 470	34 570	57.79	-62.28	45.99	77.42	0.2014	-0.1544	143.5	24 522	-1 522c	Gm			
15 475	35 575	60.29	-60.62	53.6	80.93	0.2303	-0.1171	138.5	26 530	-1 530c				
16 480	36 582	65.05	-55.78	62.79	83.99	0.2895	-0.0866	131.6	28 540	-1 540c				
16 485	40 602	74.9	-41.32	74.42	85.13	0.4119	-0.0752	119.0	30 551	-1 551c				
18 490	-1 490c	84.24	-0.44	90.11	90.11	0.6304	-0.0448	90.2	33 566	11 459	max			
19 495	-1 495c	82.89	2.35	89.97	90.0	0.6439	-0.0385	88.5	33 567	12 462				
19 500	-1 499c	82.89	2.35	89.97	90.0	0.6439	-0.0385	88.5	33 567	12 462				
21 510	-1 509c	79.34	9.35	87.65	88.14	0.6797	-0.0308	83.9	33 568	13 466				
24 520	-1 520c	71.51	22.88	79.59	82.81	0.7606	-0.0275	73.9	34 572	14 472	Ym			
26 530	-1 530c	64.67	32.71	71.84	78.94	0.8349	-0.0283	65.5	35 575	15 475				
28 540	-1 540c	56.8	42.0	62.71	75.47	0.9283	-0.0311	56.1	35 579	15 478				
28 545	-1 544c	56.8	42.0	62.71	75.47	0.9283	-0.0311	56.1	35 579	15 478				
29 550	-1 549c	52.6	46.04	57.8	73.9	0.9827	-0.0332	51.4	36 581	15 479				
31 555	-1 555c	44.07	52.14	47.76	70.71	1.1058	-0.0392	42.4	37 586	16 481				
31 560	-1 559c	44.07	52.14	47.76	70.71	1.1058	-0.0392	42.4	37 586	16 481				
32 562	1 405	46.6	53.99	42.23	68.54	1.0959	-0.1102	38.0	37 589	16 482	Rm			
32 563	6 435	45.91	57.42	22.5	61.67	1.1329	-0.2766	21.4	42 612	17 486				
32 564	10 450	45.07	62.17	-13.17	63.55	1.1843	-0.5896	348.0	-1 496c	19 496				
33 566	11 460	44.22	62.81	-22.71	66.79	1.2007	-0.6781	340.1	-1 501c	20 501				
33 568	13 465	43.43	62.9	-38.68	73.84	1.2119	-0.829	328.4	-1 513c	22 513				
34 570	14 470	42.2	62.26	-45.97	77.4	1.2227	-0.9084	323.5	-1 522c	24 522	Mm			
35 575	15 475	39.7	60.6	-53.59	80.9	1.2432	-1.0126	318.5	-1 530c	26 530				
36 582	16 480	34.94	55.76	-62.77	83.96	1.2708	-1.1912	311.6	-1 540c	28 540				
40 602	16 485	25.09	41.3	-74.38	85.08	1.2909	-1.6584	299.0	-1 551c	30 551				
-1 490c	18 490	15.75	0.44	-90.04	90.04	0.6439	-2.7581	270.2	11 459	33 566	min			
-1 495c	19 495	17.1	-2.34	-89.91	89.94	0.5776	-2.575	268.5	12 462	33 567				
-1 499c	19 500	17.1	-2.34	-89.91	89.94	0.5776	-2.575	268.5	12 462	33 567				
-1 509c	21 510	20.65	-9.35	-87.59	88.09	0.4514	-2.1692	263.9	13 466	33 568				
-1 520c	24 520	28.48	-22.87	-79.55	82.78	0.3113	-1.5899	253.9	14 472	34 572	Bm			
-1 530c	26 530	35.32	-32.7	-71.82	78.92	0.2622	-1.286	245.5	15 475	35 575				
-1 540c	28 540	43.19	-41.99	-62.7	75.46	0.2437	-1.0533	236.1	15 478	35 579				
-1 544c	28 545	43.19	-41.99	-62.7	75.46	0.2437	-1.0533	236.1	15 478	35 579				
-1 549c	29 550	47.39	-46.04	-57.79	73.89	0.2439	-0.9605	231.4	15 479	36 581				
-1 555c	31 555	55.92	-52.13	-47.76	70.7	0.2597	-0.8143	222.4	16 481	37 586				
-1 559c	31 560	55.92	-52.13	-47.76	70.7	0.2597	-0.8143	222.4	16 481	37 586				
W0	380	770	100.0	0.0	0.0	0.6325	-0.4727	0.0	B _c =1,000					
N0	380	770	4.0	0.0	0.0	0.6325	-0.4727	0.0	x _c =0,110					

CEX20-7N

TUB-test chart CEX2; 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, C00-02

1-000500-F0

Ostwald optimal colours (o), maximum (m) C _{AB} for C00, Y _N =0, Y _W =100, Y _m =520_770														
i ₁ , λ ₁	i ₂ , λ ₂	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	32 562	53.39	-53.98	-29.56	61.55	0.2281	-0.7891	208.7	16 482	37 589	Cm			
6 435	32 563	54.08	-57.42	-15.75	59.54	0.2079	-0.6391	195.3	17 486	42 612				
10 450	32 564	54.92	-62.18	9.22	62.86	0.1797	-0.3768	171.5	19 496	-1 496c				
11 460	33 566	55.77	-62.83	15.9	64.81	0.182	-0.3098	165.7	20 501	-1 501c				
13 465	33 568	56.56	-62.92	27.08	68.5	0.1876	-0.1991	156.7	22 513	-1 513c				
14 470	34 570	57.79	-62.28	32.19	70.11	0.2014	-0.1544	152.6	24 522	-1 522c	Gm			
15 475	35 575	60.29	-60.62	37.52	71.3	0.2303	-0.1171	148.2	26 530	-1 530c				
16 480	36 582	65.05	-55.78	43.95	71.02	0.2895	-0.0866	141.7	28 540	-1 540c				
16 485	40 602	74.9	-41.32	52.1	66.5	0.4119	-0.0752	128.4	30 551	-1 551c				
18 490	-1 490c	84.24	-0.44	63.07	63.07	0.6304	-0.0448	90.4	33 566	11 459	max			
19 495	-1 495c	82.89	2.35	62.98	63.02	0.6439	-0.0385	87.8	33 567	12 462				
19 500	-1 499c	82.89	2.35	62.98	63.02	0.6439	-0.0385	87.8	33 567	12 462				
21 510	-1 509c	79.34	9.35	61.35	62.06	0.6797	-0.0308	81.3	33 568	13 466				
24 520	-1 520c	71.51	22.88	55.71	60.23	0.7606	-0.0275	67.6	34 572	14 472	Ym			
26 530	-1 530c	64.67	32.71	50.29	59.99	0.8349	-0.0283	56.9	35 575	15 475				
28 540	-1 540c	56.8	42.0	43.89	60.75	0.9283	-0.0311	46.2	35 579	15 478				
28 545	-1 544c	56.8	42.0	43.89	60.75	0.9283	-0.0311	46.2	35 579	15 478				
29 550	-1 549c	52.6	46.04	40.46	61.3	0.9827	-0.0332	41.3	36 581	15 479				
31 555	-1 555c	44.07	52.14	33.43	61.94	1.1058	-0.0392	32.6	37 586	16 481				
31 560	-1 559c	44.07	52.14	33.43	61.94	1.1058	-0.0392	32.6	37 586	16 481				
32 562	1 405	46.6	53.99	29.56	61.55	1.0959	-0.1102	28.7	37 589	16 482	Rm			
32 563	6 435	45.91	57.42	15.75	59.54	1.1329	-0.2766	15.3	42 612	17 486				
32 564	10 450	45.07	62.17	-9.22	62.85	1.1843	-0.5896	351.5	-1 496c	19 496				
33 566	11 460	44.22	62.81	-15.89	64.79	1.2007	-0.6781	345.7	-1 501c	20 501				
33 568	13 465	43.43	62.9	-27.07	68.48	1.2119	-0.829	336.7	-1 513c	22 513				
34 570	14 470	42.2	62.26	-32.18	70.09	1.2227	-0.9084	332.6	-1 522c	24 522	Mm			
35 575	15 475	39.7	60.6	-37.51	71.27	1.2432	-1.0126	328.2	-1 530c	26 530				
36 582	16 480	34.94	55.76	-43.94	70.99	1.2708	-1.1912	321.7	-1 540c	28 540				
40 602	16 485	25.09	41.3	-52.07	66.46	1.2909	-1.6584	308.4	-1 551c	30 551				
-1 490c	18 490	15.75	0.44	-63.02	63.03	0.6439	-2.7581	270.4	11 459	33 566	min			
-1 495c	19 495	17.1	-2.34	-62.93	62.98	0.5776	-2.575	267.8	12 462	33 567				
-1 499c	19 500	17.1	-2.34	-62.93	62.98	0.5776	-2.575	267.8	12 462	33 567				
-1 509c	21 510	20.65	-9.35	-61.31	62.02	0.4514	-2.1692	261.3	13 466	33 568				
-1 520c	24 520	28.48	-22.87	-55.69	60.2	0.3113	-1.5899	247.6	14 472	34 572	Bm			
-1 530c	26 530	35.32	-32.7	-50.27	59.98	0.2622	-1.286	236.9	15 475	35 575				
-1 540c	28 540	43.19	-41.99	-43.89	60.74	0.2437	-1.0533	226.2	15 478	35 579				
-1 544c	28 545	43.19	-41.99	-43.89	60.74	0.2437	-1.0533	226.2	15 478	35 579				
-1 549c	29 550	47.39	-46.04	-40.45	61.29	0.2439	-0.9605	221.3	15 479	36 581				
-1 555c	31 555	55.92	-52.13	-33.43	61.93	0.2597	-0.8143	212.6	16 481	37 586				
-1 559c	31 560	55.92	-52.13	-33.43	61.93	0.2597	-0.8143	212.6	16 481	37 586				
W0 380	770	100.0	0.0	0.0	0.0	0.6325	-0.3309	0.0	B _c =0,700					
N0 380	770	4.0	0.0	0.0	0.0	0.6325	-0.3309	0.0	x _c =0,110					

see similar files: <http://farbe.li-tu-berlin.de/CEX2/CEX2.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 P00, $Y_N=0$, $Y_W=100$, $Y_m=520\text{--}770$														
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	33 567	52.67	-60.35	-29.17	67.03	0.2506	-0.5457	205.7	17 486	38 594	Cm			
7 435	33 567	53.01	-63.51	-10.17	64.31	0.2298	-0.4008	189.0	18 491	-1 491c				
10 450	33 568	53.57	-65.66	7.39	66.08	0.2187	-0.2689	173.5	19 499	-1 499c				
12 460	34 570	53.69	-66.26	18.44	68.78	0.2153	-0.1867	164.4	21 507	-1 507c				
13 465	34 571	54.38	-66.06	23.75	70.2	0.2231	-0.1494	160.2	22 513	-1 513c				
13 470	34 572	55.89	-66.06	24.97	70.62	0.2362	-0.1454	159.2	23 515	-1 515c	Gm			
15 475	35 575	56.94	-64.58	32.98	72.52	0.2554	-0.0924	152.9	25 529	-1 529c				
16 480	36 580	59.85	-62.33	37.82	72.9	0.2924	-0.0713	148.7	27 537	-1 537c				
17 485	37 589	65.78	-55.56	44.52	71.2	0.3711	-0.0534	141.2	29 547	-1 547c				
18 490	45 625	80.35	-20.06	57.76	61.14	0.6091	-0.0365	109.1	32 564	-1 564c				
18 495	-1 494c	85.99	0.68	62.33	62.34	0.7122	-0.0341	89.3	34 570	12 460	max			
20 500	-1 500c	83.62	5.98	62.41	62.7	0.7376	-0.0256	84.5	34 571	13 465				
22 510	-1 510c	79.9	13.72	60.57	62.11	0.7777	-0.0209	77.2	34 573	14 470				
24 520	-1 520c	74.6	23.62	56.89	61.6	0.8356	-0.0191	67.4	35 575	14 474	Ym			
25 530	-1 529c	71.45	28.96	54.52	61.74	0.8711	-0.0189	62.0	35 577	15 476				
28 540	-1 540c	60.63	44.47	46.05	64.02	1.0024	-0.0202	45.9	36 582	16 481				
28 545	-1 544c	60.63	44.47	46.05	64.02	1.0024	-0.0202	45.9	36 582	16 481				
30 550	-1 550c	52.75	52.94	39.74	66.2	1.1105	-0.0227	36.8	37 586	16 483				
30 555	-1 554c	52.75	52.94	39.74	66.2	1.1105	-0.0227	36.8	37 586	16 483				
32 560	-1 560c	44.73	58.67	33.27	67.45	1.2336	-0.0265	29.5	38 591	17 485				
33 567	1 405	47.32	60.35	29.17	67.03	1.2191	-0.0775	25.7	38 594	17 486	Rm			
33 567	7 435	46.98	63.5	10.17	64.31	1.2496	-0.2375	9.0	-1 491c	18 491				
33 568	10 450	46.42	65.65	-7.39	66.07	1.2747	-0.3878	353.5	-1 499c	19 499				
34 570	12 460	46.3	66.24	-18.44	68.76	1.2812	-0.4834	344.4	-1 507c	21 507				
34 571	13 465	45.61	66.04	-23.75	70.18	1.2882	-0.5324	340.2	-1 513c	22 513				
34 572	13 470	44.1	66.04	-24.97	70.6	1.308	-0.5506	339.2	-1 515c	23 515	Mm			
35 575	15 475	43.05	64.56	-32.98	72.5	1.3089	-0.6305	332.9	-1 529c	25 529				
36 580	16 480	40.14	62.31	-37.81	72.88	1.3299	-0.7009	328.7	-1 537c	27 537				
37 589	17 485	34.21	55.54	-44.5	71.18	1.3584	-0.8445	321.2	-1 547c	29 547				
45 625	18 490	19.64	20.05	-57.73	61.11	1.1172	-1.4996	289.1	-1 564c	32 564				
-1 494c	18 495	14.0	-0.68	-62.3	62.3	0.6893	-2.1041	269.3	12 460	34 570	min			
-1 500c	20 500	16.37	-5.98	-62.38	62.67	0.5629	-1.8485	264.5	13 465	34 571				
-1 510c	22 510	20.09	-13.71	-60.55	62.08	0.4359	-1.5295	257.2	14 470	34 573				
-1 520c	24 520	25.39	-23.62	-56.87	61.58	0.3369	-1.2201	247.4	14 474	35 575	Bm			
-1 529c	25 530	28.54	-28.95	-54.51	61.72	0.3032	-1.0881	242.0	15 476	35 577				
-1 540c	28 540	39.36	-44.47	-46.05	64.01	0.2571	-0.792	225.9	16 481	36 582				
-1 544c	28 545	39.36	-44.47	-46.05	64.01	0.2571	-0.792	225.9	16 481	36 582				
-1 550c	30 550	47.24	-52.94	-39.74	66.2	0.2608	-0.6605	216.8	16 483	37 586				
-1 554c	30 555	47.24	-52.94	-39.74	66.2	0.2608	-0.6605	216.8	16 483	37 586				
-1 560c	32 560	55.26	-58.67	-33.27	67.45	0.2844	-0.5649	209.5	17 485	38 591				
W0	380	770	100.0	0.0	0.0	0.709	-0.3241	0.0	$B_c=1,000$					
N0	380	770	4.0	0.0	0.0	0.709	-0.3241	0.0	$x_c=0,110$					

CEX20-7N

TUB-test chart CEX2; 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, P00-02

1-000600-F0

Ostwald optimal colours (o), maximum (m) C _{AB} for P00, 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	33 567	52.67	-60.35	-29.17	67.03	0.2506	-0.5457	205.7	17 486	38 594	Cm			
7 435	33 567	53.01	-63.51	-10.17	64.31	0.2298	-0.4008	189.0	18 491	-1 491c				
10 450	33 568	53.57	-65.66	7.39	66.08	0.2187	-0.2689	173.5	19 499	-1 499c				
12 460	34 570	53.69	-66.26	18.44	68.78	0.2153	-0.1867	164.4	21 507	-1 507c				
13 465	34 571	54.38	-66.06	23.75	70.2	0.2231	-0.1494	160.2	22 513	-1 513c				
13 470	34 572	55.89	-66.06	24.97	70.62	0.2362	-0.1454	159.2	23 515	-1 515c	Gm			
15 475	35 575	56.94	-64.58	32.98	72.52	0.2554	-0.0924	152.9	25 529	-1 529c				
16 480	36 580	59.85	-62.33	37.82	72.9	0.2924	-0.0713	148.7	27 537	-1 537c				
17 485	37 589	65.78	-55.56	44.52	71.2	0.3711	-0.0534	141.2	29 547	-1 547c				
18 490	45 625	80.35	-20.06	57.76	61.14	0.6091	-0.0365	109.1	32 564	-1 564c				
18 495	-1 494c	85.99	0.68	62.33	62.34	0.7122	-0.0341	89.3	34 570	12 460	max			
20 500	-1 500c	83.62	5.98	62.41	62.7	0.7376	-0.0256	84.5	34 571	13 465				
22 510	-1 510c	79.9	13.72	60.57	62.11	0.7777	-0.0209	77.2	34 573	14 470				
24 520	-1 520c	74.6	23.62	56.89	61.6	0.8356	-0.0191	67.4	35 575	14 474	Ym			
25 530	-1 529c	71.45	28.96	54.52	61.74	0.8711	-0.0189	62.0	35 577	15 476				
28 540	-1 540c	60.63	44.47	46.05	64.02	1.0024	-0.0202	45.9	36 582	16 481				
28 545	-1 544c	60.63	44.47	46.05	64.02	1.0024	-0.0202	45.9	36 582	16 481				
30 550	-1 550c	52.75	52.94	39.74	66.2	1.1105	-0.0227	36.8	37 586	16 483				
30 555	-1 554c	52.75	52.94	39.74	66.2	1.1105	-0.0227	36.8	37 586	16 483				
32 560	-1 560c	44.73	58.67	33.27	67.45	1.2336	-0.0265	29.5	38 591	17 485				
33 567	1 405	47.32	60.35	29.17	67.03	1.2191	-0.0775	25.7	38 594	17 486	Rm			
33 567	7 435	46.98	63.5	10.17	64.31	1.2496	-0.2375	9.0	-1 491c	18 491				
33 568	10 450	46.42	65.65	-7.39	66.07	1.2747	-0.3878	353.5	-1 499c	19 499				
34 570	12 460	46.3	66.24	-18.44	68.76	1.2812	-0.4834	344.4	-1 507c	21 507				
34 571	13 465	45.61	66.04	-23.75	70.18	1.2882	-0.5324	340.2	-1 513c	22 513				
34 572	13 470	44.1	66.04	-24.97	70.6	1.308	-0.5506	339.2	-1 515c	23 515	Mm			
35 575	15 475	43.05	64.56	-32.98	72.5	1.3089	-0.6305	332.9	-1 529c	25 529				
36 580	16 480	40.14	62.31	-37.81	72.88	1.3299	-0.7009	328.7	-1 537c	27 537				
37 589	17 485	34.21	55.54	-44.5	71.18	1.3584	-0.8445	321.2	-1 547c	29 547				
45 625	18 490	19.64	20.05	-57.73	61.11	1.1172	-1.4996	289.1	-1 564c	32 564				
-1 494c	18 495	14.0	-0.68	-62.3	62.3	0.6893	-2.1041	269.3	12 460	34 570	min			
-1 500c	20 500	16.37	-5.98	-62.38	62.67	0.5629	-1.8485	264.5	13 465	34 571				
-1 510c	22 510	20.09	-13.71	-60.55	62.08	0.4359	-1.5295	257.2	14 470	34 573				
-1 520c	24 520	25.39	-23.62	-56.87	61.58	0.3369	-1.2201	247.4	14 474	35 575	Bm			
-1 529c	25 530	28.54	-28.95	-54.51	61.72	0.3032	-1.0881	242.0	15 476	35 577				
-1 540c	28 540	39.36	-44.47	-46.05	64.01	0.2571	-0.792	225.9	16 481	36 582				
-1 544c	28 545	39.36	-44.47	-46.05	64.01	0.2571	-0.792	225.9	16 481	36 582				
-1 550c	30 550	47.24	-52.94	-39.74	66.2	0.2608	-0.6605	216.8	16 483	37 586				
-1 554c	30 555	47.24	-52.94	-39.74	66.2	0.2608	-0.6605	216.8	16 483	37 586				
-1 560c	32 560	55.26	-58.67	-33.27	67.45	0.2844	-0.5649	209.5	17 485	38 591				
W0 380	770	100.0	0.0	0.0	0.0	0.709	-0.3241	0.0	B _c =1,000					
N0 380	770	4.0	0.0	0.0	0.0	0.709	-0.3241	0.0	x _c =0,110					

see similar files: <http://farbe.li-tu-berlin.de/CEX2/CEX2.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 Q00, $Y_N=0$, $Y_W=100$, $Y_m=520.770$														
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	32 562	53.55	-54.38	-41.43	68.37	0.2243	-0.7851	217.3	16 482	38 590	Cm			
7 435	32 562	54.09	-59.55	-10.69	60.51	0.1901	-0.5547	190.1	17 488	-1 488c				
10 450	32 564	54.98	-62.98	16.08	65.0	0.1723	-0.3586	165.6	19 497	-1 497c				
11 460	33 566	55.81	-63.62	25.23	68.44	0.1745	-0.2948	158.3	20 502	-1 502c				
12 465	33 568	56.97	-63.91	34.2	72.49	0.1818	-0.2355	151.8	21 508	-1 508c				
14 470	34 570	57.8	-63.13	47.26	78.86	0.1936	-0.1485	143.1	24 522	-1 522c	Gm			
15 475	35 575	60.27	-61.57	54.5	82.23	0.2219	-0.1139	138.4	26 530	-1 530c				
16 480	36 582	65.07	-56.83	63.49	85.21	0.2812	-0.0853	131.8	27 539	-1 539c				
17 485	40 602	74.39	-39.85	77.03	86.73	0.4163	-0.0614	117.3	30 552	-1 552c				
17 490	-1 489c	85.62	-3.83	90.38	90.46	0.6126	-0.0534	92.4	33 565	11 455	max			
18 495	-1 494c	84.56	-1.6	90.98	90.99	0.6229	-0.0453	91.0	33 565	11 458				
20 500	-1 500c	81.63	4.37	89.97	90.08	0.652	-0.0347	87.2	33 567	12 463				
21 510	-1 509c	79.62	8.27	88.4	88.79	0.6721	-0.0315	84.6	33 568	13 465				
23 520	-1 519c	74.31	17.73	83.1	84.97	0.726	-0.0283	77.9	34 571	14 470	Ym			
26 530	-1 530c	63.76	33.46	71.21	78.68	0.8404	-0.0289	64.8	35 576	15 475				
27 540	-1 539c	59.83	38.35	66.64	76.89	0.8869	-0.0301	60.0	35 578	15 477				
28 545	-1 544c	55.8	42.82	61.91	75.28	0.9375	-0.0318	55.3	36 580	15 478				
29 550	-1 549c	51.71	46.75	57.1	73.8	0.9921	-0.0339	50.6	36 582	15 479				
30 555	-1 554c	47.63	50.02	52.27	72.35	1.0506	-0.0366	46.2	36 584	16 480				
31 560	-1 559c	43.57	52.52	47.47	70.8	1.1127	-0.0398	42.1	37 587	16 481				
32 562	1 405	46.44	54.39	41.44	68.38	1.099	-0.1187	37.3	38 590	16 482	Rm			
32 562	7 435	45.9	59.55	10.69	60.5	1.1495	-0.3824	10.1	-1 488c	17 488				
32 564	10 450	45.01	62.96	-16.08	64.99	1.19	-0.6186	345.6	-1 497c	19 497				
33 566	11 460	44.18	63.6	-25.22	68.42	1.2063	-0.704	338.3	-1 502c	20 502				
33 568	12 465	43.02	63.89	-34.19	72.47	1.2246	-0.7936	331.8	-1 508c	21 508				
34 570	14 470	42.19	63.11	-47.24	78.83	1.2287	-0.9235	323.1	-1 522c	24 522	Mm			
35 575	15 475	39.72	61.55	-54.48	82.2	1.2503	-1.0243	318.4	-1 530c	26 530				
36 582	16 480	34.92	56.81	-63.47	85.18	1.2812	-1.2026	311.8	-1 539c	27 539				
40 602	17 485	25.6	39.82	-76.99	86.68	1.2528	-1.6786	297.3	-1 552c	30 552				
-1 489c	17 490	14.37	3.83	-90.3	90.38	0.7371	-2.9886	272.4	11 455	33 565	min			
-1 494c	18 495	15.43	1.6	-90.9	90.92	0.672	-2.8321	271.0	11 458	33 565				
-1 500c	20 500	18.36	-4.37	-89.91	90.02	0.5352	-2.434	267.2	12 463	33 567				
-1 509c	21 510	20.37	-8.26	-88.35	88.73	0.4682	-2.2099	264.6	13 465	33 568				
-1 519c	23 520	25.68	-17.72	-83.06	84.93	0.3544	-1.7694	257.9	14 470	34 571	Bm			
-1 530c	26 530	36.23	-33.45	-71.19	78.66	0.2612	-1.2616	244.8	15 475	35 576				
-1 539c	27 540	40.16	-38.34	-66.62	76.87	0.2486	-1.1392	240.0	15 477	35 578				
-1 544c	28 545	44.19	-42.82	-61.9	75.27	0.243	-1.0359	235.3	15 478	36 580				
-1 549c	29 550	48.28	-46.74	-57.09	73.79	0.2432	-0.9487	230.6	15 479	36 582				
-1 554c	30 555	52.36	-50.01	-52.27	72.34	0.2485	-0.8749	226.2	16 480	36 584				
-1 559c	31 560	56.42	-52.52	-47.47	70.79	0.2581	-0.8122	222.1	16 481	37 587				
W0	380	770	100.0	0.0	0.0	0.6305	-0.4756	0.0	$B_c=1,000$					
N0	380	770	4.0	0.0	0.0	0.6305	-0.4756	0.0	$x_c=0,110$					

CEX20-7N

TUB-test chart CEX2; 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, Q00-02

1-000700-F0

Ostwald optimal colours (o), maximum (m) C_{AB} for Q00, $Y_N=0$, $Y_W=100$, $Y_m=520.770$														
i_1, λ_1	i_2, λ_2	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	32 562	53.55	-54.38	-29.0	61.64	0.2243	-0.7851	208.0	16 482	38 590	Cm			
7 435	32 562	54.09	-59.55	-7.48	60.02	0.1901	-0.5547	187.1	17 488	-1 488c				
10 450	32 564	54.98	-62.98	11.26	63.97	0.1723	-0.3586	169.8	19 497	-1 497c				
11 460	33 566	55.81	-63.62	17.66	66.02	0.1745	-0.2948	164.4	20 502	-1 502c				
12 465	33 568	56.97	-63.91	23.94	68.25	0.1818	-0.2355	159.4	21 508	-1 508c				
14 470	34 570	57.8	-63.13	33.08	71.27	0.1936	-0.1485	152.3	24 522	-1 522c	Gm			
15 475	35 575	60.27	-61.57	38.15	72.43	0.2219	-0.1139	148.2	26 530	-1 530c				
16 480	36 582	65.07	-56.83	44.44	72.15	0.2812	-0.0853	141.9	27 539	-1 539c				
17 485	40 602	74.39	-39.85	53.92	67.05	0.4163	-0.0614	126.4	30 552	-1 552c				
17 490	-1 489c	85.62	-3.83	63.26	63.38	0.6126	-0.0534	93.4	33 565	11 455	max			
18 495	-1 494c	84.56	-1.6	63.68	63.7	0.6229	-0.0453	91.4	33 565	11 458				
20 500	-1 500c	81.63	4.37	62.98	63.13	0.652	-0.0347	86.0	33 567	12 463				
21 510	-1 509c	79.62	8.27	61.88	62.43	0.6721	-0.0315	82.3	33 568	13 465				
23 520	-1 519c	74.31	17.73	58.17	60.81	0.726	-0.0283	73.0	34 571	14 470	Ym			
26 530	-1 530c	63.76	33.46	49.84	60.04	0.8404	-0.0289	56.1	35 576	15 475				
27 540	-1 539c	59.83	38.35	46.65	60.39	0.8869	-0.0301	50.5	35 578	15 477				
28 545	-1 544c	55.8	42.82	43.34	60.93	0.9375	-0.0318	45.3	36 580	15 478				
29 550	-1 549c	51.71	46.75	39.97	61.51	0.9921	-0.0339	40.5	36 582	15 479				
30 555	-1 554c	47.63	50.02	36.59	61.97	1.0506	-0.0366	36.1	36 584	16 480				
31 560	-1 559c	43.57	52.52	33.23	62.16	1.1127	-0.0398	32.3	37 587	16 481				
32 562	1 405	46.44	54.39	29.01	61.64	1.099	-0.1187	28.0	38 590	16 482	Rm			
32 562	7 435	45.9	59.55	7.48	60.02	1.1495	-0.3824	7.1	-1 488c	17 488				
32 564	10 450	45.01	62.96	-11.25	63.96	1.19	-0.6186	349.8	-1 497c	19 497				
33 566	11 460	44.18	63.6	-17.66	66.01	1.2063	-0.704	344.4	-1 502c	20 502				
33 568	12 465	43.02	63.89	-23.93	68.23	1.2246	-0.7936	339.4	-1 508c	21 508				
34 570	14 470	42.19	63.11	-33.07	71.25	1.2287	-0.9235	332.3	-1 522c	24 522	Mm			
35 575	15 475	39.72	61.55	-38.14	72.41	1.2503	-1.0243	328.2	-1 530c	26 530				
36 582	16 480	34.92	56.81	-44.42	72.12	1.2812	-1.2026	321.9	-1 539c	27 539				
40 602	17 485	25.6	39.82	-53.89	67.01	1.2528	-1.6786	306.4	-1 552c	30 552				
-1 489c	17 490	14.37	3.83	-63.21	63.33	0.7371	-2.9886	273.4	11 455	33 565	min			
-1 494c	18 495	15.43	1.6	-63.63	63.65	0.672	-2.8321	271.4	11 458	33 565				
-1 500c	20 500	18.36	-4.37	-62.94	63.09	0.5352	-2.434	266.0	12 463	33 567				
-1 509c	21 510	20.37	-8.26	-61.84	62.39	0.4682	-2.2099	262.3	13 465	33 568				
-1 519c	23 520	25.68	-17.72	-58.14	60.78	0.3544	-1.7694	253.0	14 470	34 571	Bm			
-1 530c	26 530	36.23	-33.45	-49.83	60.02	0.2612	-1.2616	236.1	15 475	35 576				
-1 539c	27 540	40.16	-38.34	-46.64	60.38	0.2486	-1.1392	230.5	15 477	35 578				
-1 544c	28 545	44.19	-42.82	-43.33	60.92	0.243	-1.0359	225.3	15 478	36 580				
-1 549c	29 550	48.28	-46.74	-39.96	61.5	0.2432	-0.9487	220.5	15 479	36 582				
-1 554c	30 555	52.36	-50.01	-36.58	61.96	0.2485	-0.8749	216.1	16 480	36 584				
-1 559c	31 560	56.42	-52.52	-33.23	62.15	0.2581	-0.8122	212.3	16 481	37 587				
W0 380	770	100.0	0.0	0.0	0.0	0.6305	-0.3329	0.0	$B_c=0,700$					
N0 380	770	4.0	0.0	0.0	0.0	0.6305	-0.3329	0.0	$x_c=0,110$					