

see similar files: http://130.149.60.45/~farbmetrik/VE38/VE38.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-VE38/VE38LONP.PDF/.PS
application for measurement of display output, no separation

TUB material: code=rha4ta

Ostwald optimal colours (o) of maximum (m) C _{AB} for E00, Y _w =100, Y _m =520_770, LINYAB data													
i ₁ , λ ₁	i ₂ , λ ₂	Y ₁₀₀	A ₁₀₀	B ₁₀₀	C _{AB}	a	b	h _{AB}	i _d , λ _d	i _c , λ _c	Code	%	%
1	405 32 564	57.42	-24.95	-16.34	29.83	0.5653	-0.6845	213.2	16 484	38 592	Cm	%	%
6	435 33 565	57.91	-29.14	-7.99	30.22	0.4967	-0.538	195.3	17 488	45 627	%	%	%
10	450 33 566	58.45	-35.13	5.29	35.53	0.3988	-0.3094	171.4	19 498	-1 498c	%	%	%
12	460 33 568	59.28	-37.54	11.81	39.35	0.3666	-0.2007	162.5	21 507	-1 507c	%	%	%
13	465 33 569	60.14	-38.45	14.78	41.19	0.3606	-0.1541	158.9	22 514	-1 514c	%	%	%
14	470 34 571	61.52	-38.94	17.52	42.7	0.3669	-0.1152	155.7	24 522	-1 522c	%	%	%
14	475 35 575	64.53	-39.14	18.72	43.38	0.3934	-0.1098	154.4	25 525	-1 525c	Gm	%	%
16	480 36 581	68.21	-38.3	23.26	44.81	0.4385	-0.0589	148.7	27 538	-1 538c	%	%	%
17	485 39 595	76.7	-34.16	27.66	43.96	0.5546	-0.0393	140.9	29 549	-1 549c	%	%	%
18	490 -1 490c	94.54	-11.19	35.56	37.28	0.8815	-0.0238	107.4	33 568	11 459	max	%	%
19	495 -1 495c	93.18	-9.88	35.6	36.94	0.8939	-0.0179	105.5	33 568	12 461	%	%	%
19	500 -1 499c	93.18	-9.88	35.6	36.94	0.8939	-0.0179	105.5	33 568	12 461	%	%	%
22	510 -1 510c	86.74	-3.57	34.08	34.26	0.9587	-0.0071	95.9	34 571	13 469	%	%	%
24	520 -1 520c	80.14	2.4	31.74	31.83	1.0299	-0.0038	85.6	34 574	14 473	Ym	%	%
26	530 -1 530c	72.11	8.87	28.69	30.03	1.123	-0.0021	72.8	35 577	15 477	%	%	%
28	540 -1 540c	63.21	15.04	25.21	29.35	1.2379	-0.0011	59.1	36 581	15 479	%	%	%
29	545 -1 545c	58.59	17.8	23.38	29.39	1.3039	-0.0009	52.7	36 583	16 480	%	%	%
29	550 -1 549c	58.59	17.8	23.38	29.39	1.3039	-0.0009	52.7	36 583	16 480	%	%	%
30	555 -1 554c	53.92	20.26	21.53	29.56	1.3757	-0.0007	46.7	37 585	16 482	%	%	%
32	560 -1 560c	44.64	23.98	17.83	29.88	1.5372	-0.0005	36.6	38 590	16 483	%	%	%
380	770 100.0	0.0	0.0	0.0	0.01	1.0	-0.4	0.0			%	%	%

Ostwald optimal colours (o) of maximum (m) C _{AB} for E00, Y _w =100, Y _m =770_520, LINYAB complementary													
i ₁ , λ ₁	i ₂ , λ ₂	Y ₁₀₀	A ₁₀₀	B ₁₀₀	C _{AB}	a	b	h _{AB}	i _d , λ _d	i _c , λ _c	Code	%	%
32	564 1 405	42.57	24.95	16.34	29.83	1.5862	-0.0161	33.2	38 592	16 484	Rm	%	%
33	565 6 435	42.08	29.14	7.99	30.22	1.6926	-0.21	15.3	45 627	17 488	%	%	%
33	566 10 450	41.54	35.13	-5.29	35.53	1.8457	-0.5274	351.4	-1 498c	19 498	%	%	%
33	568 12 460	40.71	37.54	-11.81	39.35	1.9221	-0.6901	342.5	-1 507c	21 507	%	%	%
33	569 13 465	39.85	38.45	-14.78	41.19	1.9647	-0.771	338.9	-1 514c	22 514	%	%	%
34	571 14 470	38.47	38.94	-17.51	42.7	2.0122	-0.8553	335.7	-1 522c	24 522	%	%	%
35	575 14 475	35.46	39.14	-18.72	43.38	2.1036	-0.9278	334.4	-1 525c	25 525	Mm	%	%
36	581 16 480	31.78	38.3	-23.26	44.81	2.205	-1.1319	328.7	-1 538c	27 538	%	%	%
39	595 17 485	23.29	34.16	-27.66	43.96	2.4665	-1.5876	320.9	-1 549c	29 549	%	%	%
-1	490c 18 490	5.45	11.19	-35.56	37.28	3.0513	-6.9152	287.4	11 459	33 568	min	%	%
-1	495c 19 495	6.81	9.88	-35.6	36.94	2.4491	-5.6211	285.5	12 461	33 568	%	%	%
-1	499c 19 500	6.81	9.88	-35.6	36.94	2.4491	-5.6211	285.5	12 461	33 568	%	%	%
-1	510c 22 510	13.25	3.57	-34.08	34.26	1.2699	-2.9707	275.9	13 469	34 571	%	%	%
-1	520c 24 520	19.85	-2.4	-31.74	31.83	0.879	-1.9985	265.6	14 473	34 574	Bm	%	%
-1	530c 26 530	27.88	-8.87	-28.69	30.03	0.6818	-1.4288	252.8	15 477	35 577	%	%	%
-1	540c 28 540	36.78	-15.04	-25.21	29.35	0.591	-1.0854	239.1	15 479	36 581	%	%	%
-1	545c 29 545	41.4	-17.8	-23.38	29.39	0.5699	-0.9647	232.7	16 480	36 583	%	%	%
-1	549c 29 550	41.4	-17.8	-23.38	29.39	0.5699	-0.9647	232.7	16 480	36 583	%	%	%
-1	554c 30 555	46.07	-20.26	-21.53	29.56	0.5601	-0.8673	226.7	16 482	37 585	%	%	%
-1	560c 32 560	55.35	-23.98	-17.83	29.88	0.5668	-0.7221	216.6	16 483	38 590	%	%	%
380	770 100.0	0.0	0.0	0.0	0.01	1.0	-0.4	0.0			%	%	%

Ostwald optimal colours (o) of maximum (m) C _{AB} for E00, Y _{w,10} =100, Y _m =520_770, LINYAB data													
i ₁ , λ ₁	i ₂ , λ ₂	Y ₁₀₀	A ₁₀₀	B ₁₀₀	C _{AB}	a	b	h _{AB}	i _d , λ _d	i _c , λ _c	Code	%	%
1	405 31 559	55.67	-23.85	-16.83	29.19	0.5714	-0.7023	215.2	15 477	37 589	Cm	%	%
7	435 32 561	56.07	-29.8	-3.91	30.06	0.4683	-0.4698	187.4	16 484	-1 484c	%	%	%
10	450 32 562	56.42	-33.81	6.43	34.42	0.4005	-0.2859	169.2	18 493	-1 493c	%	%	%
12	460 33 565	57.5	-35.67	12.82	37.91	0.3794	-0.177	160.2	21 506	-1 506c	%	%	%
13	465 33 568	58.96	-36.09	15.86	39.42	0.3878	-0.1309	156.2	23 515	-1 515c	%	%	%
13	470 34 572	62.72	-36.13	17.37	40.09	0.4238	-0.123	154.3	24 520	-1 520c	%	%	%
14	475 36 581	68.2	-35.02	21.58	41.14	0.4863	-0.0836	148.3	26 532	-1 532c	Gm	%	%
16	480 40 604	80.28	-25.55	29.1	38.73	0.6815	-0.0374	131.2	30 551	-1 551c	%	%	%
17	485 -1 485c	91.81	-8.69	34.56	35.64	0.9052	-0.0235	104.1	32 564	11 456	%	%	%
18	490 -1 490c	90.24	-7.16	34.54	35.28	0.9204	-0.0171	101.7	32 564	11 458	max	%	%
19	495 -1 495c	88.4	-5.35	34.26	34.67	0.9393	-0.0124	98.8	33 565	12 460	%	%	%
20	500 -1 500c	86.28	-3.26	33.73	33.89	0.962	-0.009	95.5	33 566	12 462	%	%	%
22	510 -1 510c	81.07	1.59	32.05	32.09	1.0195	-0.0047	87.1	33 569	13 466	%	%	%
23	520 -1 519c	77.97	4.29	30.93	31.22	1.0549	-0.0033	82.1	34 570	13 468	Ym	%	%
25	530 -1 529c	70.93	9.82	28.26	29.92	1.1384	-0.0015	70.8	34 573	14 470	%	%	%
27	540 -1 539c	63.03	15.1	25.18	29.36	1.2395	-0.0005	59.0	35 577	14 473	%	%	%
29	545 -1 545c	54.64	19.62	21.85	29.37	1.359	0.0	48.0	36 582	15 475	%	%	%
29	550 -1 549c	54.64	19.62	21.85	29.37	1.359	0.0	48.0	36 582	15 475	%	%	%
31	555 -1 555c	46.09	22.87	18.44	29.38	1.4962	0.0	38.8	37 587	15 476	%	%	%
32	560 3 415	41.99	25.16	14.2	28.89	1.5991	-0.0619	29.4	39 595	15 478	%	%	%
380	770 99.99	0.0	0.0	0.0	0.01	0.9999	-0.4	0.0			%	%	%

Ostwald optimal colours (o) of maximum (m) C _{AB} for E00, Y _{w,10} =100, Y _m =770_520, LINYAB complementary													
i ₁ , λ ₁	i ₂ , λ ₂	Y ₁₀₀	A ₁₀₀	B ₁₀₀	C _{AB}	a	b	h _{AB}	i _d , λ _d	i _c , λ _c	Code	%	%
31	559 1 405	44.32	23.85	16.83	29.19	1.5381	-0.0202	35.2	37 589	15 477	Rm	%	%
32	561 7 435	43.92	29.8	3.91	30.06	1.6786	-0.3109	7.4	-1 484c	16 484	%	%	%
32	562 10 450	43.57	33.81	-6.43	34.42	1.7759	-0.5476	349.2	-1 493c	18 493	%	%	%
33	565 12 460	42.49	35.67	-12.82	37.91	1.8394	-0.7017	340.2	-1 506c	21 506	%	%	%
33	568 13 465	41.03	36.09	-15.86	39.42	1.8794	-0.7867	336.2	-1 515c	23 515	%	%	%
34	572 13 470	37.27	36.13	-17.37	40.09	1.9695	-0.8662	334.3	-1 520c	24 520	%	%	%
36	581 14 475	31.79	35.02	-21.58	41.14	2.1017	-1.0788	328.3	-1 532c	26 532	Mm	%	%
40	604 16 480	19.71	25.55	-29.1	38.73	2.2961	-1.8762	311.2	-1 551c	30 551	%	%	%
-1	485c 17 485	8.18	8.69	-34.56	35.64	2.0622	-4.6232	284.1	11 456	32 564	%	%	%
-1	490c 18 490	9.75	7.16	-34.54	35.28	1.7342	-3.9405	281.7	11 458	32 564	min	%	%
-1	495c 19 495	11.59	5.35	-34.26	34.67	1.4614	-3.3554	278.8	12 460	33 565	%	%	%
-1	500c 20 500	13.71	3.26	-33.73	33.89	1.2379	-2.8589	275.5	12 462	33 566	%	%	%
-1	510c 22 510	18.92	-1.59	-32.05	32.08	0.9156	-2.0933	267.1	13 466	33 569	%	%	%
-1	519c 23 520	22.02	-4.29	-30.93	31.22	0.805	-1.8041	262.1	13 468	34 570	Bm	%	%
-1	529c 25 530	29.06	-9.82	-28.26	29.92	0.6618	-1.3726	250.8	14 470	34 573	%	%	%
-1	539c 27 540	36.96	-15.1	-25.18	29.36	0.5912	-1.0813	239.0	14 473	35 577	%	%	%
-1	545c 29 545	45.35	-19.62	-21.85	29.37	0.5673	-0.8818	228.0	15 475	36 582	%	%	%
-1	549c 29 550	45.35	-19.62	-21.85	29.37	0.5673	-0.8818	228.0	15 475				

Table with 15 columns: i1, lambda1, i2, lambda2, Y100, A100, B100, CAB, a, b, hAB, id, lambda d, ic, lambda c, Code, %. Contains data for Ostwald optimal colours (o) of maximum (m) CAB for E00, Yw=100, Ym=520_770, LINYAB data.

Table with 15 columns: i1, lambda1, i2, lambda2, Y100, A100, B100, CAB, a, b, hAB, id, lambda d, ic, lambda c, Code, %. Contains data for Ostwald optimal colours (o) of maximum (m) CAB for E00, Yw,10=100, Ym=520_770, LINYAB data.

rgb*_{e,AB} and CIE data of a elementary hue circle according to CIE R1-47 for Ostwald colours for CIE illuminant E00

Yxy, abc_{AB}, ABC_{AB}, LabC*_{ab,hAB} data for relative spacing of elementary hue h_{AB} of LINYAB for CIE 2 degree observer

Elementary hue circle with 4 intended elementary hue angles: h_{AB} = 16.9, 92.2, 162.4, 268.6 of LINYAB, and 16 intended hue angles:

16.9 35.7 54.5 73.3 92.2 109.7 127.3 144.8 188.9 215.5 242.0 268.6 295.7 322.7 349.8

LINYAB data of CIE test colours 9 (R): 12.4 11.1 3.3, 10 (Y): 60.0 -0.7 19.6, 11 (G): 19.7 -7.2 2.3, 12 (B): 6.0 -0.1 -7.3

Table with 15 columns: no_{AB}, Y, x, y, a, b, C_{AB}, h_{AB}, L*, w, a*, b*, C*_{ab}, h_{ab}, rgb*_{e,AB}, Code_{AB}. Contains data for elementary hue circle with 4 intended elementary hue angles.

CIEXYZ data of CIE test colours 9 (R): 23.5 12.4 4.0, 10 (Y): 59.2 60.0 10.9, 11 (G): 12.4 19.7 13.9, 12 (B): 5.8 6.0 24.4

5 step equidistant grey scale with intended lightness: L* = 0.0, 25.0, 50.0, 75.0, 100.0

Table with 15 columns: no_{AB}, Y, x, y, a, b, C_{AB}, h_{AB}, L*, w, a*, b*, C*_{ab}, h_{ab}, rgb*_{e,AB}, Code_{AB}. Contains data for 5 step equidistant grey scale.

rgb*_{e,AB} and CIE data of a elementary hue circle according to CIE R1-47 for Ostwald colours for CIE illuminant E00

Yxy, abc_{AB}, ABC_{AB}, LabC*_{ab,hAB} data for relative spacing of elementary hue h_{AB} of LINYAB for CIE 10 degree observer

Elementary hue circle with 4 intended elementary hue angles: h_{AB} = 17.8, 85.4, 159.4, 257.5 of LINYAB, and 16 intended hue angles:

17.8 34.7 51.6 68.5 85.4 103.9 122.4 140.9 159.4 183.9 208.5 233.0 257.5 287.6 317.6 347.7

LINYAB data of CIE test colours 9 (R): 11.9 9.8 3.1, 10 (Y): 57.1 1.5 18.8, 11 (G): 19.8 -6.9 2.6, 12 (B): 7.2 -1.4 -6.5

Table with 15 columns: no_{AB}, Y, x, y, a, b, C_{AB}, h_{AB}, L*, w, a*, b*, C*_{ab}, h_{ab}, rgb*_{e,AB}, Code_{AB}. Contains data for elementary hue circle with 4 intended elementary hue angles.

CIEXYZ data of CIE test colours 9 (R): 21.8 11.9 4.1, 10 (Y): 58.6 57.1 10.1, 11 (G): 12.9 19.8 13.3, 12 (B): 5.8 7.2 23.7

5 step equidistant grey scale with intended lightness: L* = 0.0, 25.0, 50.0, 75.0, 100.0

Table with 15 columns: no_{AB}, Y, x, y, a, b, C_{AB}, h_{AB}, L*, w, a*, b*, C*_{ab}, h_{ab}, rgb*_{e,AB}, Code_{AB}. Contains data for 5 step equidistant grey scale.

TUB-test chart VE38; CIE data for 16 Ostwald colours LINYAB, Yxy, YABCABh, LabCabh data, E00, 2 and 10 degree observer

input: w/rgb/cmyk ->

see similar files: http://130.149.60.45/~farbmetrik/VE38/VE38LONP.PDF /PS; transfer output technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-VE38/VE38LONP.PDF /PS application for measurement of display output, no separation

TUB material: code=rha4ta