

see similar files: http://130.149.60.45/~farbmetrik/VE39/VE39.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-VE39/VE39LONP.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, CIELAB data													
i ₁ , λ ₁	i ₂ , λ ₂	L*100	a*100	b*100	C* _{ab}	a'	b'	h _{ab}	i _d , λ _d	i _c , λ _c	Code	%	%
1	405 32 564	80.42	-71.93	-32.6	78.97	0.1811	-0.1001	204.3	16 484	38 592	Cm	%	%
6	435 33 565	80.69	-86.68	-17.31	88.4	0.1735	-0.0924	191.2	17 488	45 627		%	%
10	450 33 566	80.99	-110.3	13.71	111.15	0.1612	-0.0768	172.9	19 498	-1 498c		%	%
12	460 33 568	81.45	-119.36	34.48	124.25	0.1568	-0.0665	163.8	21 507	-1 507c		%	%
13	465 33 569	81.92	-121.61	45.97	130.01	0.1559	-0.0609	159.2	22 514	-1 514c		%	%
14	470 34 571	82.66	-120.77	57.74	133.86	0.1568	-0.0553	154.4	24 522	-1 522c		%	%
14	475 35 575	84.24	-115.44	60.46	130.32	0.1605	-0.0544	152.3	25 525	-1 525c	Gm	%	%
16	480 36 581	86.11	-105.73	83.03	134.43	0.1664	-0.0442	141.8	27 538	-1 538c		%	%
17	485 39 595	90.19	-81.64	98.55	127.97	0.18	-0.0386	129.6	29 549	-1 549c		%	%
18	490 -1 490c	97.85	-20.19	119.57	121.26	0.21	-0.0327	99.5	33 568	11 459	max	%	%
19	495 -1 495c	97.3	-17.91	125.92	127.19	0.211	-0.0297	98.0	33 568	12 461		%	%
19	500 -1 499c	97.3	-17.91	125.92	127.19	0.211	-0.0297	98.0	33 568	12 461		%	%
22	510 -1 510c	94.63	-6.64	140.85	141.01	0.216	-0.0218	92.7	34 571	13 469		%	%
24	520 -1 520c	91.75	4.59	146.03	146.1	0.2212	-0.0178	88.1	34 574	14 473	Ym	%	%
26	530 -1 530c	88.02	17.68	145.85	146.92	0.2277	-0.0145	83.0	35 577	15 477		%	%
28	540 -1 540c	83.56	31.64	141.2	144.7	0.2352	-0.0119	77.3	36 581	15 479		%	%
29	545 -1 545c	81.07	38.69	137.72	143.05	0.2393	-0.0109	74.3	36 583	16 480		%	%
29	550 -1 549c	81.07	38.69	137.72	143.05	0.2393	-0.0109	74.3	36 583	16 480		%	%
30	555 -1 554c	78.42	45.65	133.68	141.26	0.2436	-0.0102	71.1	37 585	16 482		%	%
32	560 -1 560c	72.66	58.88	124.34	137.58	0.2528	-0.0092	64.6	38 590	16 483		%	%
380	770 100.0	0.0	0.0	0.0	0.0	0.2191	-0.0837	0.0				%	%

Ostwald optimal colours (o) of maximum (m) C _{AB} for E00, Y _w =100, Y _m =770_520, CIELAB complementary													
i ₁ , λ ₁	i ₂ , λ ₂	L*100	a*100	b*100	C* _{ab}	a'	b'	h _{ab}	i _d , λ _d	i _c , λ _c	Code	%	%
32	564 1 405	71.27	62.52	98.78	116.91	0.2555	-0.0287	57.6	38 592	16 484	Rm	%	%
33	565 6 435	70.93	71.83	28.95	77.45	0.2611	-0.0675	21.9	45 627	17 488		%	%
33	566 10 450	70.56	84.55	-14.4	85.77	0.2687	-0.0918	350.3	-1 498c	19 498		%	%
33	568 12 460	69.98	90.17	-29.54	94.89	0.2724	-0.1004	341.8	-1 507c	21 507		%	%
33	569 13 465	69.37	92.89	-35.98	99.61	0.2744	-0.1042	338.8	-1 514c	22 514		%	%
34	571 14 470	68.37	95.44	-41.93	104.24	0.2766	-0.1079	336.2	-1 522c	24 522		%	%
35	575 14 475	66.11	99.55	-45.82	109.59	0.2807	-0.1108	335.2	-1 525c	25 525	Mm	%	%
36	581 16 480	63.17	102.89	-56.56	117.41	0.2851	-0.1184	331.2	-1 538c	27 538		%	%
39	595 17 485	55.38	108.0	-71.77	129.67	0.296	-0.1326	326.3	-1 549c	29 549		%	%
-1	490c 18 490	28.02	85.37	-120.26	147.48	0.3177	-0.2165	305.3	11 459	33 568	min	%	%
-1	495c 19 495	31.41	71.03	-115.43	135.53	0.2953	-0.2021	301.6	12 461	33 568		%	%
-1	499c 19 500	31.41	71.03	-115.43	135.53	0.2953	-0.2021	301.6	12 461	33 568		%	%
-1	510c 22 510	43.16	21.12	-96.96	99.24	0.2372	-0.1634	282.2	13 469	34 571		%	%
-1	520c 24 520	51.68	-12.26	-82.78	83.68	0.2098	-0.1431	261.5	14 473	34 574	Bm	%	%
-1	530c 26 530	59.79	-39.13	-69.07	79.38	0.1928	-0.128	240.4	15 477	35 577		%	%
-1	540c 28 540	67.12	-57.58	-56.56	80.72	0.1838	-0.1168	224.4	15 479	36 581		%	%
-1	545c 29 545	70.46	-63.67	-50.83	81.48	0.1816	-0.1123	218.6	16 480	36 583		%	%
-1	549c 29 550	70.46	-63.67	-50.83	81.48	0.1816	-0.1123	218.6	16 480	36 583		%	%
-1	554c 30 555	73.6	-67.81	-45.45	81.64	0.1806	-0.1084	213.8	16 482	37 585		%	%
-1	560c 32 560	79.25	-70.77	-35.73	79.28	0.1813	-0.1019	206.7	16 483	38 590		%	%
380	770 100.0	0.0	0.0	0.0	0.0	0.2191	-0.0837	0.0				%	%

Ostwald optimal colours (o) of maximum (m) C _{AB} for E00, Y _{w,10} =100, Y _m =520_770, CIELAB data													
i ₁ , λ ₁	i ₂ , λ ₂	L*100	a*100	b*100	C* _{ab}	a'	b'	h _{ab}	i _d , λ _d	i _c , λ _c	Code	%	%
1	405 31 559	79.43	-69.97	-33.95	77.77	0.1818	-0.101	205.8	15 477	37 589	Cm	%	%
7	435 32 561	79.66	-92.09	-9.07	92.53	0.1701	-0.0883	185.6	16 484	-1 484c		%	%
10	450 32 562	79.85	-108.58	17.48	109.98	0.1615	-0.0748	170.8	18 493	-1 493c		%	%
12	460 33 565	80.46	-114.73	39.56	121.36	0.1586	-0.0638	160.9	21 506	-1 506c		%	%
13	465 33 568	81.27	-113.49	52.13	124.89	0.1597	-0.0577	155.3	23 515	-1 515c		%	%
13	470 34 572	83.3	-106.48	55.62	120.14	0.1645	-0.0565	152.4	24 520	-1 520c		%	%
14	475 36 581	86.11	-93.97	71.54	118.1	0.1723	-0.0497	142.7	26 532	-1 532c	Gm	%	%
16	480 40 604	91.81	-55.72	101.41	115.71	0.1928	-0.038	118.7	30 551	-1 551c		%	%
17	485 -1 485c	96.74	-15.85	118.68	119.73	0.2119	-0.0326	97.6	32 564	11 456		%	%
18	490 -1 490c	96.1	-13.14	125.53	126.21	0.2131	-0.0293	95.9	32 564	11 458	max	%	%
19	495 -1 495c	95.33	-9.88	131.44	131.81	0.2145	-0.0263	94.3	33 565	12 460		%	%
20	500 -1 500c	94.43	-6.08	136.47	136.6	0.2162	-0.0236	92.5	33 566	12 462		%	%
22	510 -1 510c	92.16	3.03	143.93	143.96	0.2205	-0.019	88.7	33 569	13 466		%	%
23	520 -1 519c	90.77	8.29	146.41	146.64	0.223	-0.0169	86.7	34 570	13 468	Ym	%	%
25	530 -1 529c	87.45	19.7	146.61	147.93	0.2287	-0.013	82.3	34 573	14 470		%	%
27	540 -1 539c	83.46	31.82	142.58	146.09	0.2353	-0.0092	77.4	35 577	14 473		%	%
29	545 -1 545c	78.83	44.02	135.72	142.68	0.2426	-0.0052	72.0	36 582	15 475		%	%
29	550 -1 549c	78.83	44.02	135.72	142.68	0.2426	-0.0052	72.0	36 582	15 475		%	%
31	555 -1 555c	73.61	55.53	126.92	138.53	0.2505	0.0	66.3	37 587	15 476		%	%
32	560 3 415	70.87	63.43	69.32	93.97	0.2562	-0.0449	47.5	39 595	15 478		%	%
380	770 100.0	0.0	0.0	0.0	0.0	0.219	-0.0837	0.0				%	%

Ostwald optimal colours (o) of maximum (m) C _{AB} for E00, Y _{w,10} =100, Y _m =770_520, CIELAB complementary													
i ₁ , λ ₁	i ₂ , λ ₂	L*100	a*100	b*100	C* _{ab}	a'	b'	h _{ab}	i _d , λ _d	i _c , λ _c	Code	%	%
31	559 1 405	72.45	58.84	95.98	112.58	0.2529	-0.0309	58.4	37 589	15 477	Rm	%	%
32	561 7 435	72.18	71.63	12.24	72.67	0.2603	-0.077	9.6	-1 484c	16 484		%	%
32	562 10 450	71.95	79.98	-16.73	81.72	0.2653	-0.093	348.1	-1 493c	18 493		%	%
33	565 12 460	71.21	84.68	-30.98	90.17	0.2684	-0.101	339.9	-1 506c	21 506		%	%
33	568 13 465	70.2	86.97	-37.58	94.74	0.2703	-0.1049	336.6	-1 515c	23 515		%	%
34	572 13 470	67.48	91.21	-42.27	100.53	0.2746	-0.1083	335.1	-1 520c	24 520		%	%
36	581 14 475	63.17	95.86	-53.49	109.78	0.2806	-0.1165	330.8	-1 532c	26 532	Mm	%	%
40	604 16 480	51.52	92.9	-78.43	121.58	0.289	-0.1402	319.8	-1 551c	30 551		%	%
-1	485c 17 485	34.38	59.2	-109.46	124.44	0.2788	-0.1893	298.4	11 456	32 564		%	%
-1	490c 18 490	37.42	46.35	-105.27	115.03	0.2632	-0.1795	293.7	11 458	32 564	min	%	%
-1	495c 19 495	40.57	32.86	-100.6	105.83	0.2486	-0.1701	288.0	12 460	33 565		%	%
-1	500c 20 500	43.84	19.01	-95.52	97.39	0.2352	-0.1613	281.2	12 462	33 566		%	%
-1	510c 22 510	50.61	-8.3	-84.51	84.92	0.2127	-0.1454	264.3	13 466	33 569		%	%
-1	519c 23 520	54.06	-21.03	-78.76	81.52	0.2038	-0.1383	255.0	13 468	34 570	Bm	%	%
-1	529c 25 530	60.84	-42.55	-67.32	79.65	0.1909	-0.1263	237.7	14 470	34 573		%	%
-1	539c 27 540	67.25	-57.63	-56.4	80.64	0.1838	-0.1166	224.3	14 473	35 577		%	%
-1	545c 29 545	73.13	-66.12	-46.31	80.73	0.1813	-0.109	215.0	15 475	36 582		%	%
-1	549c 29 550	73.13	-66.12	-46.31	80.73	0.1813	-0.109						

Table with 15 columns: i1, lambda1, i2, lambda2, L*100, a*100, b*100, C*ab, 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, CIELAB data.

Table with 15 columns: i1, lambda1, i2, lambda2, L*100, a*100, b*100, C*ab, 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, CIELAB data.

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

Elementary hue circle with 4 intended elementary hue angles: hab = 27.9, 91.3, 162.9, 267.6 of CIELAB, and 16 intended hue angles: 27.9 43.8 59.6 75.5 91.3 109.2 127.1 145.0 162.9 189.1 215.3 241.4 267.6 297.7 327.8 357.8

CIELAB data of CIE test colours 9 (R): 41.9 59.0 31.3, 10 (Y): 81.8 -1.7 73.1, 11 (G): 51.5 -41.4 12.6, 12 (B): 29.4 -1.9 -46.6

Table with 15 columns: no-ab, x0, x1, y, a, b, CAB, hAB, L*, a*, b*, hab, 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

Table with 15 columns: no-ab, x0, x1, y, a, b, CAB, hAB, L*, a*, b*, hab, rgb*_{e,ab}, Code_{ab}. Contains data for 5 step equidistant grey scale with intended lightness.

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

Elementary hue circle with 4 intended elementary hue angles: hab = 28.5, 87.1, 159.6, 249.7 of CIELAB, and 16 intended hue angles: 28.5 43.1 57.8 72.5 87.1 105.2 123.3 141.5 159.6 182.1 204.6 227.2 249.7 284.4 319.1 353.8

CIELAB data of CIE test colours 9 (R): 41.2 54.3 29.5, 10 (Y): 80.2 3.6 72.6, 11 (G): 51.6 -38.8 14.4, 12 (B): 32.4 -14.8 -40.3

Table with 15 columns: no-ab, x0, x1, y, a, b, CAB, hAB, L*, a*, b*, hab, rgb*_{e,ab}, Code_{ab,10}. 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

Table with 15 columns: no-ab, x0, x1, y, a, b, CAB, hAB, L*, a*, b*, hab, rgb*_{e,ab}, Code_{ab}. Contains data for 5 step equidistant grey scale with intended lightness.

TUB-test chart VE39; CIE data for 16 Ostwald colours input: w/rgb/cmyk -> CIELAB, Yxy, YABCABh, LabCabh data, E00, 2 and 10 degree observer

see similar files: http://130.149.60.45/~farbmetrik/VE39/VE39.HTM technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-VE39/VE39L0NP.PDF/.PS application for measurement of display output, no separation TUB material: code=rha4ta