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TUB registration: 20130201-VE49/VE49L0NP.PDF /.PS
application for measurement of display output, no separation

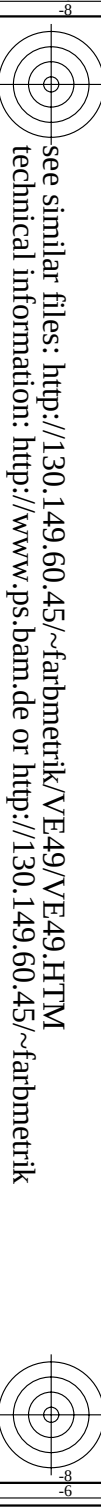
TUB material: code=rha4ta

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	0.2191	-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	0.2191	-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	0.219	-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	215.0	15 475	36 582			%		
-1 555c	31 555	78.41	-68.43	-37.22	77.9	0.1822	-0.1029	208.5	15 476	37 587			%		
3 415	32 560	80.74	-72.04	-28.77	77.57	0.1812	-0.0982	201.7	15 478	39 595			%		
380	770	100.0	0.0	0.0	0.0	0.219	-0.0837	0.0					%		



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N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 2/5

rgb*_{cab} 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}, h_{ab} data for relative spacing of elementary hue **h_{ab}** of CIELAB for CIE 2 degree observer

Elementary hue circle with 4 intended elementary hue angles: **h_{ab}** = 27.9, 91.3, 162.9, 267.6 of CIELAB, and 90 intended hue angles:

000, 001, ..., 089, 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 -9.4 12.6, 12 (B): 29.4 -1.9 -46.6

no	ab	Y	x	y	a	b	C _{AB}	A	B	C _{AB}	L*	a*	b*	C* _{ab}	h _{ab}	rgb* _{cab}	Code _{ab}	
000	41.7	0.463	0.257	1.8	-0.433	0.981	33.4	-1.3	33.4	357.6	70.6	80.9	-4.0	-4.0	81.0	357.1	1.00 0.00 0.6	B69R
001	41.7	0.468	0.259	1.795	-0.423	0.981	33.2	-0.9	33.2	358.0	70.7	80.5	-2.8	80.5	357.9	1.00 0.00 0.58	B70R	
002	41.7	0.468	0.261	1.79	-0.412	0.971	33.0	-0.5	33.0	359.0	70.7	80.1	-1.5	80.1	358.8	1.00 0.00 0.56	B71R	
003	41.7	0.47	0.263	1.785	-0.402	0.785	32.8	-0.1	32.8	359.8	70.7	79.7	-0.3	79.7	359.7	1.00 0.00 0.54	B72R	
004	41.8	0.473	0.265	1.78	-0.392	0.781	32.6	0.3	32.6	0.5	70.7	79.3	0.9	79.3	0.7	1.00 0.00 0.51	B73R	
005	41.8	0.476	0.268	1.775	-0.381	0.776	32.4	0.7	32.4	1.3	70.7	78.9	2.3	78.9	1.6	1.00 0.00 0.49	B75R	
006	41.8	0.478	0.27	1.77	-0.371	0.771	32.2	1.1	32.2	2.1	70.7	78.4	3.6	78.5	2.6	1.00 0.00 0.47	B77R	
007	41.8	0.481	0.272	1.765	-0.36	0.767	32.0	1.6	32.1	2.9	70.7	78.0	5.0	78.2	3.6	1.00 0.00 0.45	B78R	
008	41.8	0.484	0.274	1.76	-0.35	0.762	31.8	2.0	31.9	3.7	70.7	77.6	6.4	77.9	4.7	1.00 0.00 0.43	B79R	
009	41.8	0.486	0.277	1.755	-0.339	0.758	31.6	2.5	31.7	4.5	70.7	77.2	7.8	77.6	5.8	1.00 0.00 0.41	B80R	
010	41.9	0.494	0.279	1.75	-0.329	0.754	31.4	2.9	31.6	5.3	70.8	76.8	9.3	77.3	6.9	1.00 0.00 0.38	B81R	
011	41.9	0.492	0.282	1.745	-0.319	0.75	31.2	3.3	31.4	6.1	70.8	76.3	10.8	77.1	8.0	1.00 0.00 0.36	B82R	
012	41.9	0.495	0.284	1.74	-0.308	0.746	31.0	3.8	31.3	7.0	70.8	75.9	12.3	76.9	9.2	1.00 0.00 0.34	B83R	
013	41.9	0.498	0.287	1.735	-0.298	0.742	30.8	4.2	31.1	7.8	70.8	75.5	13.9	76.8	10.4	1.00 0.00 0.32	B84R	
014	41.9	0.501	0.289	1.73	-0.288	0.739	30.6	4.6	31.0	8.6	70.8	75.1	15.4	76.7	11.6	1.00 0.00 0.3	B85R	
015	41.9	0.504	0.292	1.725	-0.278	0.736	30.4	5.1	30.9	9.5	70.8	74.7	17.0	76.6	12.8	1.00 0.00 0.28	B85R	
016	42.0	0.507	0.294	1.721	-0.268	0.733	30.2	5.5	30.7	10.3	70.8	74.2	18.7	76.6	14.1	1.00 0.00 0.25	B87R	
017	42.0	0.51	0.297	1.716	-0.257	0.73	30.0	5.9	30.6	11.2	70.8	73.8	20.3	76.6	15.4	1.00 0.00 0.23	B88R	
018	42.0	0.513	0.3	1.711	-0.248	0.727	29.8	6.3	30.5	12.0	70.8	73.4	22.0	76.6	16.7	1.00 0.00 0.21	B89R	
019	42.0	0.516	0.302	1.706	-0.238	0.724	29.7	6.7	30.4	12.8	70.8	73.0	23.7	76.6	18.0	1.00 0.00 0.19	B90R	
020	42.0	0.519	0.305	1.701	-0.228	0.722	29.6	7.1	30.3	13.6	70.9	72.6	25.4	76.9	19.3	1.00 0.00 0.17	B91R	
021	42.0	0.523	0.308	1.696	-0.219	0.72	29.3	7.6	30.2	14.5	70.9	72.2	27.2	77.1	20.6	1.00 0.00 0.15	B92R	
022	42.0	0.526	0.31	1.692	-0.209	0.718	29.1	8.0	30.2	15.3	70.9	71.8	29.0	77.4	22.0	1.00 0.00 0.12	B93R	
023	42.1	0.529	0.313	1.688	-0.199	0.717	28.9	8.4	30.1	16.2	70.9	71.5	30.9	77.9	23.4	1.00 0.00 0.1	B94R	
024	42.1	0.533	0.316	1.685	-0.19	0.716	28.8	8.8	30.1	17.0	70.9	71.1	32.9	78.4	24.8	1.00 0.00 0.08	B95R	
025	42.1	0.536	0.319	1.681	-0.187	0.715	28.6	9.2	30.0	17.8	70.9	70.8	34.8	78.8	26.2	1.00 0.00 0.06	B96R	
026	42.1	0.54	0.321	1.677	-0.171	0.715	28.5	9.6	30.1	18.6	70.9	70.5	36.8	79.6	27.5	1.00 0.00 0.04	B97R	
027	42.1	0.543	0.324	1.674	-0.162	0.715	28.4	9.9	30.1	19.3	70.9	70.2	38.8	80.2	28.9	1.00 0.00 0.02	B98R	
028	42.1	0.546	0.327	1.67	-0.154	0.714	28.2	10.3	30.1	20.1	70.9	69.9	40.8	81.0	30.2	1.00 0.00 0.0	B99R	
029	42.1	0.55	0.329	1.667	-0.145	0.714	28.1	10.7	30.1	20.8	70.9	69.6	42.8	81.7	31.6	1.00 0.00 0.0	B99R	
030	42.1	0.553	0.332	1.664	-0.137	0.713	27.9	11.0	30.0	21.6	70.9	69.3	44.8	82.6	32.9	1.00 0.00 0.0	R03Y	
031	42.1	0.556	0.335	1.66	-0.129	0.713	27.8	11.3	30.0	22.2	70.9	69.0	46.9	83.5	34.1	1.00 0.00 0.0	R04Y	
032	42.1	0.559	0.337	1.657	-0.122	0.713	27.7	11.6	30.0	22.9	70.9	68.7	48.9	84.4	35.4	1.00 0.00 0.0	R06Y	
033	42.1	0.562	0.339	1.654	-0.114	0.713	27.5	12.0	30.0	23.5	70.9	68.4	51.0	85.4	36.6	1.00 0.00 0.0	R06Y	
034	42.1	0.565	0.342	1.651	-0.107	0.713	27.4	12.3	30.0	24.2	70.9	68.2	53.0	86.4	37.8	1.00 0.00 0.0	R09Y	
035	42.1	0.568	0.344	1.647	-0.101	0.713	27.3	12.6	30.0	24.7	71.0	67.9	55.1	87.4	39.0	1.00 0.00 0.0	R11Y	
036	42.2	0.57	0.347	1.644	-0.094	0.713	27.2	12.8	30.0	25.3	71.0	67.6	57.1	88.5	40.2	1.00 0.00 0.0	R12Y	
037	42.2	0.573	0.349	1.641	-0.088	0.713	27.1	13.1	30.0	25.8	71.0	67.3	59.2	89.7	41.3	1.00 0.00 0.0	R13Y	
038	42.2	0.575	0.351	1.638	-0.082	0.712	26.9	13.3	30.0	26.4	71.0	67.0	61.2	90.8	42.4	1.00 0.00 0.0	R15Y	
039	42.2	0.578	0.353	1.635	-0.077	0.712	26.8	13.6	30.0	26.9	71.0	66.7	63.3	92.0	43.4	1.00 0.00 0.0	R17Y	
040	42.2	0.58	0.355	1.632	-0.071	0.712	26.7	13.8	30.0	27.4	71.0	66.5	65.3	93.2	44.4	1.00 0.00 0.0	R19Y	
041	42.2	0.582	0.357	1.629	-0.066	0.712	26.5	14.0	30.0	27.8	71.0	66.3	67.4	94.5	45.4	1.00 0.00 0.0	R20Y	
042	42.2	0.584	0.359	1.626	-0.062	0.711	26.4	14.2	30.0	28.3	71.0	66.0	69.4	95.8	46.4	1.00 0.00 0.0	R22Y	
043	42.2	0.586	0.361	1.623	-0.057	0.711	26.3	14.4	30.0	28.7	71.0	65.7	71.4	97.1	47.3	1.00 0.00 0.0	R23Y	
044	42.2	0.588	0.362	1.62	-0.053	0.711	26.2	14.6	30.0	29.1	71.0	65.5	73.4	98.4	48.2	1.00 0.00 0.0	R25Y	
045	42.3	0.59	0.364	1.617	-0.049	0.711	26.1	14.8	30.0	29.5	71.0	65.2	75.4	99.7	49.1	1.00 0.00 0.0	R26Y	
046	42.3	0.591	0.366	1.615	-0.045	0.711	26.0	15.0	30.0	29.9	71.0	65.0	77.4	101.1	49.9	1.00 0.00 0.0	R28Y	
047	42.3	0.593	0.368	1.612	-0.041	0.709	25.9	15.1	30.0	30.3	71.1	64.8	79.3	102.4	50.7	1.00 0.00 0.0	R29Y	
048	42.3	0.594	0.369	1.609	-0.038	0.708	25.8	15.3	30.0	30.6	71.1	64.5	81.2	103.8	51.5	1.00 0.00 0.0	R31Y	
049	42.3	0.596	0.371	1.607	-0.035	0.708	25.7	15.4	30.0	31.0	71.1	64.3	83.1	105.1	52.3	1.00 0.00 0.0	R33Y	
050	42.4	0.597	0.372	1.604	-0.032	0.707	25.6	15.5	29.9	31.2	71.1	64.1	85.1	106.5	53.0	1.00 0.00 0.0	R34Y	
051	42.4	0.598	0.373	1.602	-0.029	0.706	25.5	15.7	29.9	31.5	71.1	63.9	86.9	107.9	53.6	1.00 0.00 0.0	R36Y	
052	42.4	0.599	0.374	1.599	-0.027	0.705	25.4	15.8	29.9	31.8	71.1	63.8	88.8	109.3	54.3	1.00 0.00 0.0	R37Y	
053	42.4	0.6	0.375	1.597	-0.025	0.705	25.3	15.9	29.9	32.1	71.1	63.4	90.6	110.6	55.0	1.00 0.00 0.0	R39Y	
054	42.4	0.601	0.377	1.594	-0.022	0.704	25.2	16.0	29.9	32.3	71.2	63.2	92.4	112.0	55.6	1.00 0.00 0.0	R41Y	
055	42.5	0.602	0.378	1.592	-0.02	0.703	25.1	16.1	29.8	32.6	71.2	63.0	94.2	113.3	56.2	1.00 0.00 0.0	R42Y	
056	42.5	0.602	0.379	1.589	-0.018	0.702	25.0	16.2	29.8	32.8	71.2	62.8	95.9	114.7	56.7	1.00 0.00 0.0	R44Y	
057	42.5	0.603	0.38	1.587	-0.017	0.701	25.0	16.2	29.8	33.0	71.2	62.6	97.6	116.0	57.3	1.00 0.00 0.0	R46Y	
058	42.5	0.604	0.381	1.584	-0.014	0.701	24.9	16.3	29.8	33.4	71.2	62.4	99.3	117.		1.00 0.00 0.0	R47Y	
059	42.7	0.606	0.384	1.578	-0.01	0.697	24.6	16.6	29.7	33.9	71.3	61.8	106	122.9	59.7	1.00 0.00 0.0	R49Y	
060	42.8	0.606	0.385	1.572	-0.007	0.694	24.5	16.8	29.7	34.4	71.4	61.4	118	126.7	61.0	1.00 0.00 0.0	R50Y	
061	42.8	0.607	0.386	1.568	-0.004	0.693	24.4	17.0	29.7	34.9	71.4	61.1	120	128.2	62.0	1.00 0.00 0.0	R52Y	
062	43.3	0.607	0.389	1.561	-0.003	0.687	24.3	17.1	29.7	35.2	71.7	60.5	118	132	62.8	1.00 0.00 0.0	R53Y	
063	43.7	0.607	0.39	1.553	-0.002	0.681	24.2	17.4	29.8	35.7	72.0	60.0	120.7	134.8	63.5	1.00 0.00 0.0	R55Y	
064	44.2	0.606	0.392	1.544	-0.001	0.675	24.0	17.6	29.8	36.2	72.3	59.3	123.0	136.6	64.2	1.00 0.00 0.0	R56Y	
065	45.0	0.604	0.395	1.529	0.0	0.663	23.8	17.8	29.8	37.0	72.9	58.2	125.1	138.0	65.0	1.00 0.00 0.0	R58Y	
06																		

0.45/~farbmetrik

http://130.149.60.45/~farbmatrik/VE49/VE49L0NP.PDF /.PS; transfer output

N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 5/5

see similar files: <http://130.149.60.45/~farbmatrik/VE49/VE49L0NP.PDF>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

TUB registration: 20130201-VE49/VE49L0NP.PDF/.PS
application for measurement of display output, no separation

TUB material: code=rha4ta

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

$Y_{xy}, abc_{AB}, ABC_{AB}, LabC^*_{ab}, h_{ab}$ data for relative spacing of elementary hue h_{ab} of CIELAB for CIE 2 degree observer

Elementary hue circle with 4 intended elementary hue angles: $h_{ab} = 27.9, 91.3, 162.9, 267.6$ of CIELAB, and 90 intended hue angles:

270, 271, ..., 360, 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 -9.4 12.6, 12 (B): 29.4 -1.9 -46.6

no-ab _{xy}	x	y	a	b	C _{ab}	A	B	C _{ab}	h _{ab}	L*	a*	b*	C* _{ab}	h _{ab}	rgb* _{lab}	Code _{ab}
270	17.1	0.128	0.128	0.999	-2.312	1.912	0.0	-32.7	32.7	269.9	48.4	0.0	-88.2	88.2	269.9	0.03 0.00 1.00 % B03R
271	16.8	0.128	0.128	1.016	-2.355	1.955	0.0	-32.8	32.8	270.4	48.0	1.5	-88.9	88.9	270.9	0.05 0.00 1.00 % B02R
272	16.5	0.128	0.124	1.034	-2.399	1.999	0.5	-32.9	32.9	270.6	47.6	3.1	-89.6	89.6	271.9	0.07 0.00 1.00 % B03R
273	16.1	0.128	0.122	1.052	-2.445	2.046	0.8	-33.1	33.1	271.4	47.2	4.7	-90.3	90.3	272.9	0.08 0.00 1.00 % B04R
274	15.8	0.129	0.129	1.071	-2.493	2.046	0.0	-33.1	33.1	271.4	47.2	4.7	-90.3	90.4	272.9	0.08 0.00 1.00 % B04R
275	15.5	0.129	0.118	1.092	-2.542	2.144	1.4	-33.3	33.3	272.4	46.3	8.0	-91.6	92.0	273.9	0.12 0.00 1.00 % B05R
276	15.2	0.129	0.116	1.112	-2.593	2.196	1.7	-33.4	33.4	272.9	45.9	9.7	-92.3	92.8	275.9	0.13 0.00 1.00 % B06R
277	14.9	0.129	0.114	1.134	-2.646	2.251	2.0	-33.5	33.6	273.4	45.5	11.4	-93.0	93.7	276.9	0.15 0.00 1.00 % B07R
278	14.6	0.129	0.112	1.157	-2.702	2.307	2.3	-33.6	33.7	273.9	45.1	13.1	-93.8	94.7	278.0	0.17 0.00 1.00 % B08R
279	14.3	0.13	0.11	1.181	-2.76	2.367	2.6	-33.7	33.8	274.4	44.6	14.9	-94.7	95.9	279.0	0.18 0.00 1.00 % B09R
280	13.9	0.13	0.108	1.207	-2.82	2.429	2.8	-33.8	33.9	274.8	44.2	16.8	-95.2	96.7	280.0	0.2 0.00 1.00 % B10R
281	13.6	0.13	0.105	1.231	-2.883	2.494	3.1	-33.9	34.1	275.3	43.7	18.6	-95.9	97.7	281.0	0.22 0.00 1.00 % B11R
282	13.3	0.13	0.103	1.263	-2.949	2.562	3.4	-34.0	34.2	275.8	43.2	20.5	-96.7	98.9	282.0	0.23 0.00 1.00 % B11R
283	12.9	0.131	0.101	1.299	-3.037	2.654	3.8	-34.1	34.2	276.4	42.6	23.0	-97.7	100.3	283.2	0.25 0.00 1.00 % B12R
284	12.5	0.131	0.109	1.327	-3.129	2.732	4.2	-34.2	34.3	277.0	42.1	25.8	-98.6	101.8	284.0	0.26 0.00 1.00 % B13R
285	12.0	0.132	0.095	1.389	-3.244	2.871	4.7	-34.4	34.7	277.7	41.3	28.6	-99.8	103.8	286.0	0.28 0.00 1.00 % B14R
286	11.6	0.132	0.092	1.438	-3.356	2.988	5.1	-34.5	34.8	278.4	40.6	31.4	-100.8	105.6	287.3	0.3 0.00 1.00 % B15R
287	11.2	0.133	0.089	1.469	-3.473	3.112	5.5	-34.6	35.0	279.0	40.0	34.3	-101.9	107.5	288.6	0.32 0.00 1.00 % B16R
288	10.8	0.133	0.086	1.543	-3.595	3.241	5.9	-34.7	35.2	279.6	39.3	37.1	-103.0	109.4	289.8	0.33 0.00 1.00 % B16R
289	10.4	0.134	0.083	1.618	-3.72	3.371	6.4	-34.8	35.6	280.2	38.6	40.0	-104.1	111.4	290.9	0.34 0.00 1.00 % B17R
290	10.1	0.134	0.081	1.658	-3.856	3.518	6.6	-34.9	35.5	280.7	38.0	42.7	-105.0	113.4	292.1	0.37 0.00 1.00 % B18R
291	9.7	0.135	0.078	1.719	-3.994	3.665	7.0	-35.0	35.6	281.3	37.3	45.5	-106.1	115.4	293.2	0.38 0.00 1.00 % B19R
292	9.3	0.135	0.076	1.762	-4.136	3.817	7.3	-35.0	35.8	281.8	36.7	48.3	-107.1	117.5	294.2	0.4 0.00 1.00 % B20R
293	9.0	0.136	0.073	1.848	-4.282	3.974	7.6	-35.1	35.9	282.3	36.0	51.0	-108.1	119.5	295.2	0.42 0.00 1.00 % B21R
294	8.7	0.137	0.071	1.931	-4.433	4.137	7.9	-35.2	36.0	282.8	35.3	53.9	-109.1	121.5	296.2	0.44 0.00 1.00 % B22R
295	8.4	0.137	0.069	1.983	-4.586	4.3	8.2	-35.2	36.2	283.2	34.8	56.2	-110.0	123.5	297.0	0.45 0.00 1.00 % B22R
296	8.1	0.137	0.067	2.053	-4.741	4.467	8.5	-35.3	36.3	283.6	34.2	58.7	-110.9	125.5	297.8	0.47 0.00 1.00 % B23R
297	7.8	0.138	0.065	2.124	-4.899	4.637	8.8	-35.4	36.4	284.0	33.7	61.1	-111.8	127.4	298.6	0.48 0.00 1.00 % B24R
298	7.6	0.138	0.063	2.177	-5.057	4.808	9.1	-35.4	36.6	284.3	33.1	63.5	-112.7	129.3	299.4	0.5 0.00 1.00 % B25R
299	7.2	0.139	0.06	2.259	-5.219	4.981	9.5	-35.5	36.7	284.6	32.5	65.9	-113.6	131.3	300.6	0.52 0.00 1.00 % B26R
300	7.1	0.139	0.059	2.336	-5.37	5.147	9.5	-35.5	36.8	285.0	32.1	67.8	-114.4	132.9	300.7	0.53 0.00 1.00 % B26R
301	6.9	0.139	0.058	2.406	-5.523	5.312	9.7	-35.5	36.8	285.3	31.6	69.8	-115.0	134.5	301.2	0.55 0.00 1.00 % B27R
302	6.4	0.137	0.054	2.504	-5.895	5.697	9.7	-35.6	36.8	285.3	30.6	71.9	-116.7	137.1	301.6	0.57 0.00 1.00 % B28R
303	5.7	0.131	0.049	2.679	-6.553	6.474	9.6	-35.8	37.1	285.8	28.7	74.9	-117.9	141.3	302.6	0.58 0.00 1.00 % B29R
304	5.2	0.137	0.045	2.815	-6.945	6.871	9.6	-35.9	37.2	286.3	26.9	78.1	-119.1	145.1	303.6	0.6 0.00 1.00 % B30R
305	5.2	0.137	0.045	3.015	-7.145	7.04	10.6	-35.7	37.2	286.6	27.5	83.4	-121.2	147.1	304.5	0.62 0.00 1.00 % B31R
306	5.7	0.147	0.048	3.032	-6.614	6.538	11.5	-35.4	37.2	288.1	28.6	86.1	-119.1	147.0	305.8	0.63 0.00 1.00 % B31R
307	6.1	0.154	0.051	3.085	-6.166	6.104	12.2	-35.2	37.3	289.1	29.6	88.2	-117.2	146.2	306.6	0.65 0.00 1.00 % B32R
308	5.6	0.162	0.054	2.977	-5.734	5.686	12.9	-35.0	37.3	290.3	30.3	90.2	-115.3	145.5	307.4	0.67 0.00 1.00 % B33R
309	5.0	0.167	0.057	2.914	-5.318	5.295	13.7	-34.8	37.4	291.3	31.3	89.6	-113.4	144.4	308.3	0.69 0.00 1.00 % B34R
310	7.6	0.179	0.061	3.917	-4.936	4.925	14.6	-34.5	37.5	292.9	33.1	96.0	-111.3	143.5	309.2	0.7 0.00 1.00 % B35R
311	8.2	0.188	0.065	2.886	-4.573	4.579	15.4	-34.2	37.6	294.3	34.4	92.1	-109.8	142.6	310.2	0.72 0.00 1.00 % B36R
312	8.8	0.197	0.069	2.854	-4.234	4.259	16.4	-33.9	37.7	295.8	35.7	93.3	-108.6	141.6	311.1	0.73 0.00 1.00 % B36R
313	9.7	0.203	0.073	2.822	-3.895	3.895	17.3	-33.6	37.8	297.3	37.0	94.5	-107.5	140.5	312.0	0.74 0.00 1.00 % B37R
314	10.3	0.216	0.077	2.792	-3.632	3.695	18.4	-33.3	38.1	299.0	38.4	95.7	-106.1	139.7	313.2	0.77 0.00 1.00 % B38R
315	11.1	0.226	0.082	2.761	-3.366	3.449	19.5	-32.9	38.3	300.7	39.7	96.8	-104.9	138.8	314.2	0.78 0.00 1.00 % B39R
316	11.9	0.236	0.086	2.731	-3.122	3.226	20.7	-32.6	38.6	302.4	41.1	98.0	-103.9	137.8	315.3	0.8 0.00 1.00 % B40R
317	12.8	0.246	0.091	2.701	-2.9	3.024	21.9	-32.2	38.9	304.2	42.5	99.1	-102.9	136.9	316.3	0.82 0.00 1.00 % B41R
318	13.6	0.256	0.096	2.672	-2.697	2.8	22.2	-32.0	39.2	306.0	43.9	100.2	-101.8	136.0	317.3	0.84 0.00 1.00 % B42R
319	14.8	0.266	0.1	2.644	-2.477	2.677	24.4	-31.3	39.7	307.9	45.4	101.3	-100.4	135.2	318.5	0.85 0.00 1.00 % B43R
320	15.8	0.276	0.105	2.617	-2.244	2.529	25.6	-30.8	40.1	309.7	46.8	102.3	-99.6	134.3	319.6	0.87 0.00 1.00 % B43R
321	16.9	0.285	0.11	2.591	-2.192	2.396	27.0	-30.4	40.6	311.5	48.2	103.4	-98.4	133.5	320.7	0.88 0.00 1.00 % B44R
322	18.0	0.294	0.114	2.566	-2.054	2.277	28.3	-29.9	41.2	313.4	49.6	104.3	-97.2	132.7	321.8	0.9 0.00 1.00 % B45R
323	19.1	0.303	0.118	2.541	-1.916	2.158	29.6	-29.4	41.8	315.3	51.0	105.4	-96.1	131.8	322.9	0.91 0.00 1.00 % B46R
324	20.4	0.312	0.124	2.518	-1.815	2.075	31.0	-28.9	42.3	316.9	52.3	106.1	-95.1	130.9	323.9	0.93 0.00 1.00 % B46R
325	21.6	0.32	0.128	2.495	-1.713	1.99	32.3	-28.3	43.0	318.7	53.6	106.9	-94.0	130.5	324.9	0.95 0.00 1.00 % B47R
326	22.8	0.328	0.132	2.474	-1.621	1.914	33.6	-27.8	43.6	320.3	54.8	107.7	-92.9	129.9	326.0	0.97 0.00 1.00 % B48R
327	25.5	0.341	0.14	2.424	-1.472	1.783	35.7	-26.8	44.4	323.0	57.1	108.2	-91.6	128.1	327.6	0.98 0.00 1.00 % B49R
328	28.2	0.354	0.145	2.374	-1.324	1.654	37.8	-25.8	45.2	325.7	59.4	108.7	-90.3	126.3	328.6	0.99 0.00 1.00 % B50R
329	29.3	0.359	0.155	2.367	-1.246	1.557	38.3	-24.8	45.7	327.0	61.0	106.7	-89.1	125.1	330.1	0.99 0.00 1.00 % B50R
330	30.7	0.363	0.16	2.257	-1.184	1.481	38.5	-24.0	45.4	328.0	62.2	105.1	-88.0	124.0	330.7	1.00 0.00 0.96 % B51R
331	31.6	0.365	0.164	2.212	-1.139	1.42	38.3	-23.2	44.8	328.6	63.0	103.2	-86.9	117.9	331.1	1.00 0.00 0.94 % B52R
332	32.7	0.37	0.17	2.178	-1.078	1.359	38.6	-22.3	44.5	329.0	63.9	102.1	-85.0	115.5	332.1	1.00 0.00 0.93 % B53R
333	33.6	0.377	0.177	2.147	-1.029	1.299	38.9	-21.5	44.2	329.4	64.8	101.0	-83.2	113.3	333.1	1.00 0.00 0.92 % B54R
334	34.6	0.382	0.179	2.128	-0.975	1.266	39.0	-19.9	43.8	330.0	65.4	100.5	-81.5	111.6	334.2	1.00 0.00 0.89 % B55R
335	35.3	0.386	0.183	2.108	-0.937	1.231	39.1	-18.9	43.4	334.1	65.9	99.7	-80.0	110.		