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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	0.01	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	35.14	-1 498c	19 498			%		
33 568	12 460	40.71	37.54	-11.81	39.35	1.9221	-0.6901	34.25	-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	0.01	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	0.01	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	34.92	-1 493c	18 493			%		
33 565	12 460	42.49	35.67	-12.82	37.91	1.8394	-0.7017	34.02	-1 506c	21 506			%		
33 568	13 465	41.03	36.09	-15.86	39.42	1.8794	-0.7867	33.62	-1 515c	23 515			%		
34 572	13 470	37.27	36.13	-17.37	40.09	1.9695	-0.8662	33.43	-1 520c	24 520			%		
36 581	14 475	31.79	35.02	-21.58	41.14	2.1017	-1.0788	32.83	-1 532c	26 532	Mm		%		
40 604	16 480	19.71	25.55	-29.1	38.73	2.2961	-1.8762	31.12	-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	36 582			%		
-1 555c	31 555	53.9	-22.87	-18.44	29.38	0.5754	-0.7421	218.8	15 476	37 587			%		
3 415	32 560	58.0	-25.16	-14.2	28.89	0.5659	-0.6448	209.4	15 478	39 595			%		
380	770	99.99	0.0	0.0	0.01	0.9999	-0.4	0.0					%		

http://130.149.60.45/~farbmetrik/VE48/VE48LONA.TXT /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 3/5

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rgb* _{LAB} and CIE data of a elementary hue circle according to CIE R1-47 for Ostwald colours for CIE illuminant E01									
Yxy, abc _{AB} , ABC _{AB} , LabC* _{ab} , h _{AB} data for relative spacing of elementary hue h _{AB} of LYNAB 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 LYNAB, and 90 intended hue angles:									
090, 091, ..., 179, LYNAB 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									
no-AB _{X0}	x	y	a	b	C _{AB}	A ₁₀	B ₁₀	L*	a*
090	83.0	0.496	0.497	0.998	-0.084	0.395	-0.1	32.8	90.2
091	83.6	0.494	0.498	0.999	-0.084	0.394	-0.6	32.8	90.3
092	84.2	0.492	0.5	0.984	-0.085	0.395	-1.2	33.2	92.1
093	84.9	0.491	0.501	0.978	-0.085	0.395	-1.8	33.4	93.1
094	85.5	0.489	0.503	0.971	-0.086	0.395	-2.4	33.7	94.1
095	86.1	0.487	0.504	0.965	-0.086	0.395	-3.0	33.8	94.9
096	86.7	0.485	0.505	0.958	-0.087	0.395	-3.6	34.0	95.8
097	87.5	0.482	0.507	0.95	-0.088	0.394	-4.3	34.2	96.8
098	88.3	0.479	0.508	0.942	-0.089	0.394	-5.1	34.4	97.8
099	89.0	0.476	0.509	0.934	-0.091	0.394	-5.8	34.6	98.8
100	89.7	0.473	0.511	0.926	-0.091	0.393	-6.5	34.8	99.8
101	90.5	0.471	0.512	0.919	-0.093	0.395	-7.2	35.0	100.8
102	91.2	0.468	0.513	0.912	-0.094	0.395	-7.9	35.2	101.8
103	91.9	0.466	0.514	0.906	-0.095	0.395	-8.5	35.3	102.8
104	92.6	0.463	0.514	0.901	-0.096	0.395	-9.1	35.4	103.8
105	93.3	0.461	0.515	0.896	-0.097	0.395	-9.8	35.6	104.8
106	94.1	0.462	0.513	0.891	-0.098	0.393	-10.5	35.7	105.8
107	95.1	0.46	0.511	0.886	-0.099	0.393	-11.2	35.9	106.8
108	96.1	0.458	0.515	0.878	-0.099	0.395	-11.9	36.1	107.8
109	97.1	0.457	0.517	0.871	-0.101	0.395	-12.6	36.2	108.8
110	98.1	0.456	0.519	0.864	-0.102	0.395	-13.3	36.4	109.8
111	99.1	0.455	0.521	0.857	-0.103	0.395	-14.0	36.6	110.8
112	100.1	0.454	0.523	0.85	-0.104	0.395	-14.7	36.8	111.8
113	101.1	0.453	0.525	0.843	-0.105	0.395	-15.4	37.0	112.8
114	102.1	0.452	0.527	0.836	-0.106	0.395	-16.1	37.2	113.8
115	103.1	0.451	0.529	0.829	-0.107	0.395	-16.8	37.4	114.8
116	104.1	0.45	0.531	0.822	-0.108	0.395	-17.5	37.6	115.8
117	105.1	0.449	0.533	0.815	-0.109	0.395	-18.2	37.8	116.8
118	106.1	0.448	0.535	0.808	-0.11	0.395	-18.9	38.0	117.8
119	107.1	0.447	0.537	0.801	-0.111	0.395	-19.6	38.2	118.8
120	108.1	0.446	0.539	0.794	-0.112	0.395	-20.3	38.4	119.8
121	109.1	0.445	0.541	0.787	-0.113	0.395	-21.0	38.6	120.8
122	110.1	0.444	0.543	0.78	-0.114	0.395	-21.7	38.8	121.8
123	111.1	0.443	0.545	0.773	-0.115	0.395	-22.4	39.0	122.8
124	112.1	0.442	0.547	0.766	-0.116	0.395	-23.1	39.2	123.8
125	113.1	0.441	0.549	0.759	-0.117	0.395	-23.8	39.4	124.8
126	114.1	0.44	0.551	0.752	-0.118	0.395	-24.5	39.6	125.8
127	115.1	0.439	0.553	0.745	-0.119	0.395	-25.2	39.8	126.8
128	116.1	0.438	0.555	0.738	-0.12	0.395	-25.9	40.0	127.8
129	117.1	0.437	0.557	0.731	-0.121	0.395	-26.6	40.2	128.8
130	118.1	0.436	0.559	0.724	-0.122	0.395	-27.3	40.4	129.8
131	119.1	0.435	0.561	0.717	-0.123	0.395	-28.0	40.6	130.8
132	120.1	0.434	0.563	0.71	-0.124	0.395	-28.7	40.8	131.8
133	121.1	0.433	0.565	0.703	-0.125	0.395	-29.4	41.0	132.8
134	122.1	0.432	0.567	0.696	-0.126	0.395	-30.1	41.2	133.8
135	123.1	0.431	0.569	0.689	-0.127	0.395	-30.8	41.4	134.8
136	124.1	0.43	0.571	0.682	-0.128	0.395	-31.5	41.6	135.8
137	125.1	0.429	0.573	0.675	-0.129	0.395	-32.2	41.8	136.8
138	126.1	0.428	0.575	0.668	-0.13	0.395	-32.9	42.0	137.8
139	127.1	0.427	0.577	0.661	-0.131	0.395	-33.6	42.2	138.8
140	128.1	0.426	0.579	0.654	-0.132	0.395	-34.3	42.4	139.8
141	129.1	0.425	0.581	0.647	-0.133	0.395	-35.0	42.6	140.8
142	130.1	0.424	0.583	0.64	-0.134	0.395	-35.7	42.8	141.8
143	131.1	0.423	0.585	0.633	-0.135	0.395	-36.4	43.0	142.8
144	132.1	0.422	0.587	0.626	-0.136	0.395	-37.1	43.2	143.8
145	133.1	0.421	0.589	0.619	-0.137	0.395	-37.8	43.4	144.8
146	134.1	0.42	0.591	0.612	-0.138	0.395	-38.5	43.6	145.8
147	135.1	0.419	0.593	0.605	-0.139	0.395	-39.2	43.8	146.8
148	136.1	0.418	0.595	0.598	-0.14	0.395	-39.9	44.0	147.8
149	137.1	0.417	0.597	0.591	-0.141	0.395	-40.6	44.2	148.8
150	138.1	0.416	0.599	0.584	-0.142	0.395	-41.3	44.4	149.8
151	139.1	0.415	0.601	0.577	-0.143	0.395	-42.0	44.6	150.8
152	140.1	0.414	0.603	0.57	-0.144	0.395	-42.7	44.8	151.8
153	141.1	0.413	0.605	0.563	-0.145	0.395	-43.4	45.0	152.8
154	142.1	0.412	0.607	0.556	-0.146	0.395	-44.1	45.2	153.8
155	143.1	0.411	0.609	0.549	-0.147	0.395	-44.8	45.4	154.8
156	144.1	0.41	0.611	0.542	-0.148	0.395	-45.5	45.6	155.8
157	145.1	0.409	0.613	0.535	-0.149	0.395	-46.2	45.8	156.8
158	146.1	0.408	0.615	0.528	-0.15	0.395	-46.9	46.0	157.8
159	147.1	0.407	0.617	0.521	-0.151	0.395	-47.6	46.2	158.8
160	148.1	0.406	0.619	0.514	-0.152	0.395	-48.3	46.4	159.8
161	149.1	0.405	0.621	0.507	-0.153	0.395	-49.0	46.6	160.8
162	150.1	0.404	0.623	0.5	-0.154	0.395	-49.7	46.8	161.8
163	151.1	0.403	0.625	0.493	-0.155	0.395	-50.4	47.0	162.8
164	152.1	0.402	0.627	0.486	-0.156	0.395	-51.1	47.2	163.8
165	153.1	0.401	0.629	0.479	-0.157	0.395	-51.8	47.4	164.8
166	154.1	0.4	0.631	0.472	-0.158	0.395	-52.5	47.6	165.8
167	155.1	0.399	0.633	0.465	-0.159	0.395	-53.2	47.8	166.8
168	156.1	0.398	0.635	0.458	-0.16	0.395	-53.9	48.0	167.8
169	157.1	0.397	0.637	0.451	-0.161	0.395	-54.6	48.2	168.8
170	158.1	0.396	0.639	0.444	-0.162	0.395	-55.3	48.4	169.8
171	159.1	0.395	0.641	0.437	-0.163	0.395	-56.0	48.6	170.8
172	160.1	0.394	0.643	0.43	-0.164	0.395	-56.7	48.8	171.8
173	161.1	0.393	0.645	0.423	-0.165	0.395	-57.4	49.0	172.8
174	162.1	0.392	0.647	0.416	-0.166	0.395	-58.1	49.2	173.8
175	163.1	0.391	0.649	0.409	-0.167	0.395	-58.8	49.4	174.8
176	164.1	0.39	0.651	0.402	-0.168	0.395	-59.5	49.6	175.8
177	165.1	0.389	0.653	0.395	-0.169	0.395	-60.2	49.8	176.8
178	166.1	0.388	0.655	0.388	-0.17	0.395	-60.9	50.0	177.8
179	167.1	0.387	0.657	0.381	-0.171	0.395	-61.6	50.2	178.8

CIEXYZ data of CIE test colours 9 (R): 23.5 12.4 0.4, 10 (Y): 59.2 60.0 10.9, 11 (G): 12.4 19.7 13.9, 12 (B): 5.8 6.0 24.4

rgb* _{LAB} and CIE data of a elementary hue circle according to CIE R1-47 for Ostwald colours for CIE illuminant E03																			
Yxy, abc _{AB} , ABC _{AB} , LabC* _{ab} , h _{AB} data for relative spacing of elementary hue h _{AB} of LYNAB 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 LYNAB, and 90 intended hue angles:																			
090, 091, ..., 179, LYNAB 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																			
no-AB _{X0}	x ₁₀	y ₁₀	a ₁₀	b ₁₀	C _{AB,10}	A ₁₀	B ₁₀	L* ₁₀	a* ₁₀	b* ₁₀	C* _{ab,10}	h _{AB,10}	rgb*	e _{AB,10}	Code				
090	82.8	0.496	0.496	0.999	-0.086	0.394	0.0	32.6	32.6	98.1	92.9	0.0	1.42	98.0	0.00	%086			
091	83.5	0.493	0.497	0.991	-0.086	0.393	-0.6	32.8	32.8	91.1	93.2	-1.2	148.2	98.5	0.92	1.00	%087		
092	84.1	0.491	0.499	0.984	-0.087	0.393	-1.2	33.0	33.0	93.3	93.2	-1.2	139.3	98.4	0.92	1.00	%088		
093	84.7	0.489	0.5	0.977	-0.087	0.393	-1.8	33.2	33.3	93.2	93.7	-3.4	138.4	138.5	91.4	0.89	1.00	%089	
094	85.4	0.487	0.502	0.971	-0.088	0.392	-2.4	33.4	33.5	94.1	94.0	-4.5	137.6	137.7	91.8	0.88	1.00	%090	
095	85.9	0.485	0.503	0.965	-0.088	0.392	-3.0	33.6	33.7	95.0	94.3	-5.5	136.8	136.9	92.3	0.87	1.00	%091	
096	86.7	0.483	0.504	0.957	-0.089	0.392	-3.6	33.8	34.0	96.1	94.6	-6.8	135.7	135.9	92.8	0.85	1.00	%092	
097	87.4	0.48	0.506	0.949	-0.091	0.392	-4.3	34.0	34.2	97.0	95.1	-8.1	134.6	134.7	93.3	0.83	1.00	%093	
098	87.9	0.478	0.506	0.943	-0.091	0.392	-4.9	34.1	34.5	98.2	95.1	-9.1	132.7	133.1	93.9	0.83	1.00	%094	
099	88.4	0.476	0.507	0.938	-0.092	0.392	-5.4	34.2	34.7	99.0	95.3	-10.0	131.2	131.5	94.3	0.81	1.00	%095	
100	89.1	0.473	0.508	0.931	-0.093	0.392	-6.1	34.4	34.9	100.0	95.6	-11.2	129.9	129.7	94.9	0.8	1.00	%096	
101	89.8	0.47	0.509	0.924	-0.095	0.391	-6.7	34.5	35.1	101.0	95.9	-12.3	127.1	127.7	95.5	0.78	1.00	%097	
102	90.6	0.468	0.508	0.922	-0.097	0.391	-7.4	34.6	35.4	102.0	96.2	-13.5	124.9	125.2	95.9	0.76	1.00	%098	
103	91.9	0.467	0.506	0.923	-0.097	0.391	-8.1	34.9	35.6	103.0	96.7	-17.2	122.5	123.2	95.9	0.76	1.00	%099	
104	91.9	0.467	0.506	0.923	-0.097	0.391	-8.1	34.9	35.6	103.0	96.8	-15.6	119.1	120.1	97.2	0.74	1.00	%100	
105	91.5	0.459	0.517	0.9	-0.093	0.389	-9.	34.4	35.6	104.0	96.6	-16.2	118.3	119.5	98.0	0.73	1.00	%101	
106	91.5	0.459	0.517	0.9	-0.093	0.389	-9.	34.4	35.6	104.0	96.5	-16.6	117.1	118.2	98.0	0.72	1.00	%102	
107	90.9	0.455	0.513	0.888	-0.094	0.392	-10.1	34.4	35.6	106.5	96.6	-18.7	117.5	119.0	99.0	0.7	1.00	%103	
108	90.6	0.453	0.514	0.881	-0.094	0.393	-10.6	34.0	35.6	107.4	96.2	-19.8	117.0	118.7	99.6	0.69	1.00	%104	
109	90.3	0.451	0.516	0.875	-0.094	0.395	-11.2	33.8	35.7	108.3	96.1	-20.9	116.6	118.5	100.1	0.68	1.00	%105	
110	89.9	0.449	0.517	0.868	-0.095	0.397	-11.8	33.7	35.7	109.3	96.0	-22.1	116.1	118.2	100.7	0.66	1.00	%106	
111	89.6	0.447	0.518	0.861	-0.095	0.398	-12.4	33.6	35.7	110.3	95.9	-23.2	115.6	117.9	101.2	0.65	1.00	%107	
112	89.2	0.445	0.521	0.854	-0.095	0.401	-13.0	33.3	35.8	111.2	95.6	-24.6	115.1	117.7	102.0	0.64	1.00	%108	
113	88.8	0.442	0.522	0.846	-0.096	0.404	-13.6	33.2	35.9	112.3	95.5	-25.9	114.6	117.5	102.7	0.62	1.00	%109	
114	88.4	0.44	0.524	0.838	-0.096	0.406	-14.2	33.0	35.9	113.3	95.3	-27.2	114.0	117.3	103.4	0.61	1.00	%110	
115	88.0	0.437	0.526	0.83	-0.097	0.409	-14.8	32.8	36.0	114.3	95.1	-28.6	113.5	117.0	104.1	0.6	1.00	%111	
116	87.7	0.435	0.528	0.824	-0.097	0.412	-15.4	32.6	36.1	115.3	94.9	-29.9	112.9	116.7	104.8	0.59	1.00	%112	
117	87.2	0.432	0.53	0.814	-0.097	0.415	-16.1	32.4	36.2	116.4	94.8	-31.5	112.3	116.6	105.6	0.57	1.00	%113	
118	86.7	0.429	0.532	0.806	-0.098	0.419	-16.8	32.2	36.3	117.5	94.6	-33.0	111.7	116.5	106.4	0.55	1.00	%114	
119	86.3	0.426	0.534	0.797	-0.098	0.422	-17.4	32.0	36.4	118.6	94.4	-34.5	111.0	116.3	107.3	0.54	1.00	%115	
120	85.8	0.423	0.537	0.788	-0.099	0.426	-18.1	31.8	36.6	119.6	94.2	-36.1	110.3	116.1	108.1	0.53	1.00	%116	
121	85.4	0.42	0.539	0.78	-0.099	0.429	-18.8	31.6	36.7	120.7	94.0	-37.6	109.7	115.9	108.9	0.52	1.00	%117	
122	84.9	0.417	0.541	0.77	-0.099	0.435	-19.4	31.3	36.9	121.8	93.8	-39.3	108.9	115.8	109.8	0.5	1.00	%118	
123	84.4	0.413	0.543	0.761	-0.099	0.439	-20.1	31.1	37.0	122.9	93.6	-41.0	108.2	115.7	110.7	0.49	1.00	%119	
124	83.9	0.41	0.546	0.751	-0.099	0.444	-20.8	30.9	37.2	123.9	93.4	-42.7	107.5	115.6	111.6	0.47	1.00	%120	
125	83.4	0.408	0.548	0.742	-0.099	0.448	-21.4	30.6	37.3	124.9	93.2	-44.4	106.8	115.6	112.5	0.46	1.00	%121	
126	82.9	0.403	0.55	0.734	-0.099	0.453	-22.1	30.4	37.6	126.0	93.0	-46.2	105.9	115.5	113.5	0.45	1.00	%122	
127	82.4	0.4	0.553	0.723	-0.099	0.458	-22.8	30.1	37.8	127.0	92.7	-47.9	105.1	115.5	114.5	0.43	1.00	%123	
128	81.9	0.396	0.555	0.713	-0.099	0.464	-23.4	29.9	38.0	128.0	92.5	-49.7	104.2	115.5	115.4	0.42	1.00	%124	
129	81.4	0.392	0.557	0.703	-0.099	0.469	-24.1	29.6	38.2	129.0	92.3	-51.5	103.4	115.5	116.4	0.41	1.00	%125	
130	80.9	0.389	0.559	0.694	-0.099	0.474	-24.8	29.4	38.4	130.0	92.1	-53.3	102.5	115.5	117.3	0.4	1.00	%126	
131	80.4	0.385	0.562	0.684	-0.099	0.478	-25.5	29.1	38.6	131.0	91.8	-55.2	101.6	115.6	118.4	0.38	1.00	%127	
132	79.7	0.379	0.565	0.672	-0.098	0.487	-26.1	28.7	38.8	132.1	91.5	-57.4	100.8	115.4	119.8	0.37	1.00	%128	
133	78.9	0.374	0.567	0.659	-0.098	0.494	-26.8	28.3	39.0	133.2	91.2	-59.7	99.8	115.0	121.3	0.35	1.00	%129	
134	78.2	0.368	0.569	0.647	-0.098	0.501	-27.5	27.9	39.2	134.3	90.8	-62.1	98.4	114.7	122.7	0.34	1.00	%130	
135	77.5	0.363	0.571	0.635	-0.098	0.508	-28.2	27.6	39.4	135.4	90.6	-64.5	97.5	114.6	124.0	0.33	1.00	%131	
136	76.7	0.357	0.573	0.622	-0.097	0.516	-28.9	27.0	39.5	136.6	90.1	-66.8	96.7	114.3	125.7	0.31	1.00	%132	
137	75.9	0.351	0.575	0.61	-0.095	0.523	-29.5	26.5	39.7	138.1	89.8	-69.2	95.9	114.2	127.2	0.3	1.00	%133	
138	75.2	0.345	0.577	0.598	-0.093	0.53	-30.2	26.0	39.9	139.1	89.4	-71.5	89.1	114.2	128.7	0.28	1.00	%134	
139	74.4	0.339	0.579	0.586	-0.095	0.538	-30.8	25.6	40.0	140.2	89.1	-73.8	88.2	114.3	130.2	0.27	1.00	%135	
140	73.6	0.332	0.581	0.575	-0.095	0.545	-31.4	25.2	40.1	141.3	88.9	-76.1	87.3	114.3	131.7	0.26	1.00	%136	
141	72.9	0.327	0.582	0.562	-0.096	0.552	-31.9	24.7	40.3	142.2	88.4	-78.4	83.6	114.7	133.1	0.24	1.00	%137	
142	72.2	0.322	0.584	0.551	-0.096	0.56	-32.4	24.2	40.5	143.1	88.1	-80.7	81.9	115.0	134.5	0.23	1.00	%138	
143	71.6	0.316	0.585	0.54	-0.097	0.567	-32.9	23.8	40.6	144.0	87.7	-82.9	80.1	115.3	135.9	0.22	1.00	%139	
144	70.9	0.31	0.586	0.53	-0.097	0.574	-33.3	23.4	40.7	144.9	87.4	-85.1	78.4	115.7	137.3	0.2	1.00	%140	
145	70.2	0.304	0.587	0.519	-0.097	0.581	-33.8	23.0	40.8	145.8	87.1	-87.4	76.7	116.0	138.6	0.18	1.00	%141	
146	69.6	0.299	0.588	0.508	-0.096	0.588	-34.1	22.5	40.9	146.6	86.8	-89.3	75.2	116.7	139.9	0.18	1.00	%142	
147	69.0	0.294	0.589	0.499	-0.097	0.594	-34.5	22.1	41.0	147.3	86.5	-91.3	73.6	117.3	141.1	0.16	1.00	%143	
148	68.4	0.288	0.589	0.489	-0.098	0.601	-34.9	21.7	41.1	148.1	86.2	-93.2	72.0	117.8	142.3	0.15	1.00	%144	
149	67.8	0.283	0.59	0.48	-0.098	0.608	-35.3	21.3	41.2	148.9	85.9	-95.1	70.4	118.3	143.5	0.14	1.00	%145	
150	67.2	0.278	0.591	0.471	-0.098	0.615	-35.7	20.9	41.3	149.7	85.6	-97.0	68.8	118.8	144.7	0.13	1.00	%146	
151	63.4	0.597	0.385	1.552	-0.017	0.672	24.0	16.5	29.1	34.6	71.8	59.8	97.6	114.5	58.5	0.12	1.00	%078	
152	63.4	0.597	0.384	1.553	-0.017	0.672	24.0	16.5	29.1	34.6	71.8	59.8	97.5	114.4	58.4	0.11	1.00	%088	
153	63.4	0.597	0.384	1.553	-0.018	0.672	24.0	16.5	29.1	34.6	71.8	59.8	97.4	114.3	58.4	0.09	1.00	%095	
154	63.4	0.597	0.384	1.553	-0.018	0.672	24.0	16.5	29.1	34.6	71.8	59.8	97.3	114.2	58.4	0.08	1.00	%102	
155	63.3	0.597	0.384	1.553	-0.018	0.672	24.0	16.5	29.1	34.5	71.8	59.8	97.2	114.1	58.3	0.05	1.00	%094	
156	63.3																		

http://130.149.60.45/~farbmetrik/VE48/VE48L0NA.TXT /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 4/5

see similar files: <http://130.149.60.45/~farbmetrik/VE48/VE48L0NA.TXT>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-VE48/VE48L0NA.TXT /PS
application for measurement of display output, no separation
TUB material: code=rha4ta

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

$Yxy, abc_{AB}, ABC_{AB}, LabC^*_{ab}, h_{ab}$ 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 90 intended hue angles:

180, 181, ..., 269, LINYAB data of CIE test colours 9 (R): 12.4 11.1 3.3, 10 (Y): 60.0 -0.7 19.6, 11 (G): 7.7 -2.2 2.3, 12 (B): 6.0 -0.1 -7.3

no-AB	x	y	a	b	C _{AB}	A	B	C _{AB}	h _{AB}	L*	a*	b*	C _{ab}	h _{ab}	rgb _{e,AB}	Code _{AB}			
180	58.2	0.179	0.416	0.431	-0.387	0.568	-33.1	0.7	33.1	178.7	80.8	-102.8	1.6	102.0	179.0	0.00	1.00	0.33	6168
181	58.2	0.179	0.416	0.435	-0.397	0.564	-32.8	0.1	32.8	178.7	80.8	-101.0	0.3	101.0	179.8	0.00	1.00	0.35	6178
182	58.1	0.178	0.406	0.439	-0.407	0.56	-32.6	-0.4	32.6	180.7	80.8	-100.0	-1.0	100.0	180.5	0.00	1.00	0.36	6198
183	58.1	0.178	0.402	0.443	-0.417	0.556	-32.3	-1.0	32.3	181.7	80.8	-98.9	-2.3	99.0	181.3	0.00	1.00	0.38	6198
184	58.1	0.177	0.397	0.448	-0.427	0.552	-32.0	-1.5	32.1	182.8	80.8	-97.9	-3.7	98.0	182.1	0.00	1.00	0.4	6208
185	58.1	0.177	0.392	0.452	-0.437	0.549	-31.8	-2.1	31.9	183.8	80.8	-96.8	-5.0	97.0	182.9	0.00	1.00	0.42	6218
186	58.1	0.177	0.388	0.456	-0.447	0.545	-31.5	-2.7	31.6	184.9	80.8	-95.6	-6.3	96.1	183.7	0.00	1.00	0.44	6228
187	58.0	0.177	0.384	0.461	-0.457	0.542	-31.3	-3.3	31.4	186.0	80.7	-94.8	-7.6	95.1	184.5	0.00	1.00	0.46	6238
188	58.0	0.176	0.379	0.465	-0.467	0.538	-31.0	-3.8	31.2	187.1	80.7	-93.8	-8.8	94.2	185.3	0.00	1.00	0.48	6248
189	58.0	0.176	0.375	0.469	-0.477	0.535	-30.7	-4.4	31.1	188.2	80.7	-92.8	-10.0	93.4	186.1	0.00	1.00	0.5	6258
190	58.0	0.176	0.371	0.474	-0.486	0.533	-30.5	-5.0	30.9	189.3	80.7	-91.8	-11.2	92.5	187.0	0.00	1.00	0.51	6258
191	58.0	0.175	0.367	0.478	-0.496	0.53	-30.2	-5.6	30.7	190.4	80.7	-90.8	-12.4	91.7	187.8	0.00	1.00	0.53	6268
192	57.9	0.175	0.363	0.482	-0.506	0.528	-29.9	-6.1	30.6	191.6	80.7	-89.8	-13.6	90.9	188.6	0.00	1.00	0.55	6278
193	57.9	0.175	0.36	0.486	-0.516	0.526	-29.7	-6.7	30.4	192.7	80.7	-88.9	-14.7	90.1	189.4	0.00	1.00	0.57	6288
194	57.9	0.175	0.356	0.491	-0.525	0.524	-29.4	-7.2	30.3	193.8	80.7	-87.9	-15.8	89.3	190.2	0.00	1.00	0.59	6298
195	57.9	0.174	0.353	0.495	-0.534	0.522	-29.2	-7.8	30.2	194.9	80.7	-86.9	-16.9	88.6	191.0	0.00	1.00	0.61	6308
196	57.9	0.174	0.349	0.5	-0.545	0.52	-28.9	-8.4	30.1	196.1	80.6	-85.9	-18.1	87.8	191.9	0.00	1.00	0.63	6318
197	57.8	0.174	0.345	0.504	-0.555	0.519	-28.6	-9.0	30.0	197.4	80.6	-84.8	-19.2	87.0	192.8	0.00	1.00	0.65	6328
198	57.8	0.174	0.341	0.509	-0.565	0.517	-28.3	-9.5	29.9	198.6	80.6	-83.8	-20.4	86.2	193.6	0.00	1.00	0.67	6338
199	57.8	0.174	0.338	0.514	-0.575	0.516	-28.0	-10.1	29.8	199.8	80.6	-82.7	-21.5	85.5	194.5	0.00	1.00	0.68	6348
200	57.8	0.174	0.335	0.519	-0.585	0.513	-27.5	-10.7	29.6	201.0	80.6	-81.6	-22.7	84.8	195.4	0.00	1.00	0.7	6358
201	57.8	0.173	0.332	0.523	-0.594	0.514	-27.3	-11.2	29.7	202.2	80.6	-80.8	-23.5	84.1	196.2	0.00	1.00	0.72	6368
202	57.8	0.173	0.329	0.527	-0.603	0.514	-27.1	-11.7	29.7	203.3	80.6	-79.9	-24.5	83.5	197.0	0.00	1.00	0.74	6378
203	57.7	0.173	0.326	0.531	-0.612	0.514	-27.0	-12.2	29.7	204.4	80.6	-79.0	-25.4	82.9	197.8	0.00	1.00	0.76	6388
204	57.7	0.173	0.323	0.536	-0.621	0.514	-26.8	-12.7	29.6	205.4	80.6	-78.1	-26.3	82.4	198.6	0.00	1.00	0.78	6398
205	57.7	0.172	0.321	0.539	-0.630	0.513	-26.5	-13.2	29.6	206.5	80.6	-77.3	-27.1	81.9	199.3	0.00	1.00	0.8	6408
206	57.7	0.173	0.318	0.543	-0.637	0.514	-26.3	-13.6	29.6	207.4	80.5	-76.5	-27.9	81.4	200.0	0.00	1.00	0.82	6418
207	57.6	0.173	0.316	0.547	-0.644	0.514	-26.1	-14.1	29.6	208.3	80.5	-75.7	-28.7	81.0	200.7	0.00	1.00	0.83	6428
208	57.6	0.173	0.314	0.55	-0.652	0.515	-25.9	-14.5	29.7	209.2	80.5	-75.0	-29.4	80.6	201.4	0.00	1.00	0.85	6438
209	57.6	0.173	0.312	0.553	-0.658	0.515	-25.7	-14.9	29.7	210.3	80.5	-74.3	-30.1	80.2	202.0	0.00	1.00	0.87	6438
210	57.5	0.172	0.31	0.556	-0.665	0.516	-25.5	-15.2	29.7	211.4	80.5	-73.7	-30.7	79.8	202.6	0.00	1.00	0.89	6448
211	57.5	0.172	0.308	0.559	-0.671	0.517	-25.3	-15.6	29.7	212.6	80.4	-73.1	-31.3	79.5	203.2	0.00	1.00	0.91	6458
212	57.4	0.172	0.307	0.562	-0.677	0.518	-25.1	-15.9	29.7	213.4	80.4	-72.5	-31.9	79.2	203.7	0.00	1.00	0.93	6458
213	57.4	0.172	0.305	0.564	-0.683	0.519	-24.9	-16.2	29.8	214.3	80.4	-72.0	-32.4	79.0	204.2	0.00	1.00	0.95	6478
214	57.2	0.172	0.302	0.569	-0.689	0.522	-24.6	-16.5	29.9	215.2	80.3	-71.3	-33.0	78.7	205.3	0.00	1.00	0.97	6498
215	56.9	0.171	0.299	0.57	-0.705	0.527	-24.4	-17.4	29.9	215.4	80.1	-70.6	-34.5	78.6	206.0	0.00	1.00	0.98	6498
216	56.1	0.169	0.298	0.568	-0.714	0.533	-24.1	-17.6	29.9	216.1	79.6	-70.6	-35.2	78.9	206.4	0.00	0.99	1.00	6508
217	55.0	0.167	0.295	0.566	-0.725	0.542	-23.8	-17.9	29.8	216.9	79.0	-70.6	-36.0	79.3	207.0	0.00	0.97	1.00	6518
218	54.2	0.166	0.293	0.566	-0.737	0.549	-23.5	-18.2	29.8	217.8	78.6	-70.4	-36.8	79.9	207.6	0.00	0.95	1.00	6528
219	53.3	0.164	0.29	0.565	-0.749	0.557	-23.2	-18.6	29.7	218.7	78.1	-70.7	-37.7	79.7	208.2	0.00	0.93	1.00	6538
220	52.4	0.162	0.288	0.564	-0.762	0.566	-22.8	-19.0	29.7	219.7	77.5	-69.9	-38.6	79.9	208.9	0.00	0.91	1.00	6548
221	51.5	0.16	0.285	0.563	-0.776	0.576	-22.4	-19.3	29.6	220.7	77.0	-69.6	-39.6	80.1	209.6	0.00	0.89	1.00	6558
222	50.5	0.159	0.282	0.563	-0.791	0.586	-22.0	-19.7	29.6	221.6	76.4	-69.3	-40.6	80.4	210.3	0.00	0.87	1.00	6568
223	49.6	0.157	0.279	0.562	-0.806	0.597	-21.7	-20.1	29.6	222.8	75.8	-69.0	-41.6	80.6	211.1	0.00	0.85	1.00	6578
224	48.7	0.154	0.276	0.561	-0.821	0.608	-21.4	-20.5	29.5	223.9	75.1	-68.7	-42.7	81.0	211.9	0.00	0.83	1.00	6588
225	47.6	0.153	0.273	0.561	-0.838	0.62	-20.9	-20.9	29.5	224.9	74.6	-68.4	-43.7	81.2	212.5	0.00	0.82	1.00	6598
226	46.7	0.151	0.27	0.56	-0.855	0.633	-20.5	-21.2	29.5	226.0	74.0	-68.0	-44.7	81.4	213.3	0.00	0.8	1.00	6598
227	45.7	0.149	0.267	0.56	-0.873	0.645	-20.1	-21.6	29.5	227.0	73.4	-67.6	-45.7	81.6	214.1	0.00	0.78	1.00	6608
228	44.7	0.147	0.263	0.561	-0.893	0.66	-19.5	-22.0	29.5	228.4	72.7	-66.8	-47.0	81.7	215.0	0.00	0.76	1.00	6618
229	43.7	0.146	0.26	0.559	-0.912	0.673	-18.9	-22.4	29.4	229.6	71.9	-66.5	-48.0	81.9	215.8	0.00	0.74	1.00	6628
230	42.9	0.145	0.257	0.564	-0.93	0.686	-18.6	-22.7	29.4	230.6	71.5	-65.3	-49.0	81.7	216.8	0.00	0.72	1.00	6638
231	42.2	0.144	0.254	0.566	-0.945	0.696	-18.3	-23.0	29.4	231.7	71.0	-64.6	-49.4	81.6	217.5	0.00	0.7	1.00	6648
232	41.7	0.143	0.252	0.568	-0.957	0.705	-17.9	-23.2	29.4	232.7	70.6	-64.0	-50.4	81.5	218.2	0.00	0.68	1.00	6658
233	41.2	0.142	0.25	0.57	-0.967	0.711	-17.7	-23.4	29.3	233.8	70.3	-63.5	-50.9	81.4	218.7	0.00	0.67	1.00	6668
234	40.7	0.142	0.248	0.571	-0.978	0.719	-17.4	-23.6	29.3	234.9	70.0	-63.0	-51.5	81.4	219.4	0.00	0.65	1.00	6678
235	40.2	0.141	0.246	0.573	-0.991	0.729	-17.1	-23.8	29.3	234.9	69.6	-62.4	-52.1	81.3	219.8	0.00	0.63	1.00	6688
236	39.6	0.14	0.244	0.576	-1.008	0.741	-16.7	-24.0	29.3	235.1	69.1	-61.6	-53.0	81.2	220.7	0.00	0.61	1.00	6698
237	38.8	0.139	0.24	0.579	-1.028	0.756	-16.3	-24.4	29.3	236.2	68.6	-60.6	-53.9	81.1	221.6	0.00	0.59	1.00	6708
238	37.9	0.138	0.237	0.581	-1.052	0.77	-15.9	-24.7	29.3	237.3	68.1	-59.5	-55.0	81.0	222.6	0.00	0.57	1.00	6718
239	36.9	0.137	0.233	0.589	-1.079	0.794	-15.1	-25.1	29.3	238.6	67.2	-57.8	-56.3	80.9	224.2	0.00	0.55	1.00	6728
240	36.3	0.136	0.23	0.594	-1.099	0.808	-14.7	-25.3	29.3	238.9	66.7	-56.8	-57.1	80.5	225.1	0.00	0.53	1.00	6738
241	35.6	0.135	0.227	0.598	-1.125	0.827	-14.2	-25.6	29.3	239									

http://130.149.60.45/~farbmetrik/VE48/VE48L0NA.TXT /PS; transfer output

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

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

$Yxy, abc_{\text{LAB}}, ABC_{\text{LAB}}, LabC^*_{\text{LAB}}$ data for relative spacing of elementary hue h_{AB} of LYNAB for CIE 2 degree observer

Elementary hue circle with 4 intended elementary hue angles: $h_{\text{AB}} = 16.9, 92.2, 162.4, 268.6$ of LYNAB, and 90 intended hue angles:

270, 271, ..., 360, LYNAB 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

no-AB _X	x	y	a	b	c _{3AB}	A	B	C _{AB}	h _{AB}	L*	a*	b*	C* _{ab}	h _{ab}	rgb* _{LAB}	CodeAB
270	16.9	0.128	0.127	1.006	-2.331	1.931	0.1	-32.8	32.8	278.2	48.2	0.6	-88.5	88.5	278.4	0.02 0.00 1.00 % B01R #
271	16.3	0.128	0.123	1.042	-2.42	2.021	0.6	-33.0	33.0	271.2	47.4	3.8	-89.9	90.0	272.4	0.04 0.00 1.00 % B02R #
272	15.7	0.129	0.119	1.08	-2.515	2.117	1.2	-33.2	33.2	272.1	46.6	7.0	-91.2	91.5	274.4	0.06 0.00 1.00 % B03R #
273	15.0	0.129	0.115	1.122	-2.617	2.22	1.8	-33.4	33.5	273.1	45.7	10.4	-92.6	93.2	276.4	0.08 0.00 1.00 % B04R #
274	14.4	0.129	0.111	1.167	-2.726	2.332	2.4	-33.6	33.7	274.1	44.9	13.8	-94.0	95.1	278.3	0.09 0.00 1.00 % B04R #
275	13.8	0.13	0.107	1.216	-2.844	2.453	3.0	-33.8	34.0	275.0	44.0	17.4	-95.7	97.1	280.3	0.09 0.00 1.00 % B05R #
276	13.2	0.13	0.103	1.27	-2.971	2.585	3.5	-34.0	34.2	276.0	43.1	21.1	-96.9	99.4	282.3	0.13 0.00 1.00 % B06R #
277	12.4	0.131	0.097	1.348	-3.152	2.774	4.3	-34.2	34.5	277.2	41.9	26.1	-98.8	102.2	284.8	0.15 0.00 1.00 % B07R #
278	11.6	0.132	0.092	1.436	-3.354	2.986	5.1	-34.4	34.8	278.4	40.7	31.3	-100.8	105.5	287.2	0.17 0.00 1.00 % B08R #
279	10.9	0.133	0.087	1.536	-3.579	3.224	5.8	-34.6	35.1	279.5	39.4	36.7	-102.8	109.1	289.6	0.19 0.00 1.00 % B09R #
280	10.1	0.134	0.081	1.646	-3.829	3.475	6.5	-34.8	35.4	280.6	38.1	42.1	-104.8	112.4	291.9	0.2 0.00 1.00 % B10R #
281	9.4	0.135	0.076	1.769	-4.105	3.748	7.2	-35.0	35.7	281.7	36.8	47.6	-106.8	117.0	294.0	0.22 0.00 1.00 % B11R #
282	8.7	0.136	0.071	1.904	-4.407	4.104	7.9	-35.1	36.0	282.7	35.5	53.1	-108.8	121.1	296.0	0.24 0.00 1.00 % B12R #
283	8.1	0.137	0.067	2.05	-4.733	4.459	8.5	-35.3	36.3	283.4	34.3	58.5	-110.8	125.3	297.8	0.26 0.00 1.00 % B13R #
284	7.5	0.138	0.062	2.205	-5.079	4.832	9.1	-35.4	36.6	284.4	33.1	63.7	-112.7	129.5	299.4	0.28 0.00 1.00 % B14R #
285	7.0	0.139	0.058	2.366	-5.437	5.219	9.6	-35.5	36.8	285.1	31.9	68.6	-114.5	133.5	300.9	0.3 0.00 1.00 % B15R #
286	6.5	0.139	0.054	2.509	-5.778	5.632	9.2	-35.8	37.0	286.4	28.9	72.5	-119.4	139.8	301.2	0.32 0.00 1.00 % B16R #
287	4.8	0.126	0.042	3.069	-7.888	7.753	9.6	-35.9	37.2	288.5	26.2	80.6	-123.7	147.6	303.3	0.33 0.00 1.00 % B16R #
288	5.6	0.146	0.048	3.029	-6.662	6.583	11.4	-35.4	37.2	287.8	28.5	85.7	-119.3	146.9	305.7	0.35 0.00 1.00 % B17R #
289	6.0	0.153	0.051	2.99	-6.215	6.146	12.0	-35.2	37.2	288.8	29.6	86.5	-117.4	145.9	306.3	0.37 0.00 1.00 % B18R #
290	6.4	0.159	0.054	2.953	-5.909	5.127	12.5	-34.9	37.2	289.9	30.6	87.4	-115.6	143.2	307.3	0.38 0.00 1.00 % B19R #
291	6.9	0.166	0.057	2.919	-5.44	4.393	13.2	-34.9	37.3	290.8	31.6	88.0	-113.8	143.9	307.7	0.41 0.00 1.00 % B20R #
292	7.3	0.173	0.06	2.888	-5.195	3.97	13.9	-34.7	37.3	291.8	32.6	88.8	-112.1	143.0	308.4	0.43 0.00 1.00 % B21R #
293	7.8	0.18	0.063	2.858	-4.8	4.777	14.5	-34.4	37.4	292.8	33.6	89.6	-110.3	142.1	309.0	0.44 0.00 1.00 % B22R #
294	8.3	0.187	0.066	2.831	-4.523	5.115	15.2	-34.2	37.5	293.9	34.6	90.4	-108.6	141.3	309.7	0.46 0.00 1.00 % B23R #
295	8.8	0.193	0.069	2.806	-4.269	4.27	15.9	-34.0	37.5	295.0	35.6	91.2	-106.9	140.4	310.4	0.48 0.00 1.00 % B24R #
296	9.3	0.2	0.072	2.782	-4.037	4.051	16.5	-33.8	37.6	296.1	36.5	92.0	-105.2	139.8	311.1	0.5 0.00 1.00 % B25R #
297	9.8	0.207	0.075	2.76	-3.825	3.851	17.2	-33.6	37.8	297.2	37.5	92.8	-103.5	139.0	311.8	0.52 0.00 1.00 % B26R #
298	10.3	0.213	0.078	2.739	-3.63	3.669	17.9	-33.3	37.9	298.3	38.4	93.6	-101.9	138.4	312.5	0.54 0.00 1.00 % B27R #
299	10.8	0.22	0.082	2.717	-3.451	3.583	18.6	-33.1	38.0	299.4	39.3	94.4	-100.2	137.7	313.2	0.56 0.00 1.00 % B28R #
300	11.4	0.225	0.083	2.702	-3.269	3.382	19.4	-33.0	38.1	300.5	40.2	95.2	-98.7	136.9	313.9	0.57 0.00 1.00 % B29R #
301	11.9	0.233	0.086	2.684	-3.134	3.212	20.1	-32.6	38.3	301.6	41.1	95.9	-97.1	136.5	314.6	0.59 0.00 1.00 % B29R #
302	12.5	0.239	0.089	2.668	-2.994	3.084	20.8	-32.4	38.5	302.7	42.0	96.7	-95.6	136.0	315.3	0.61 0.00 1.00 % B30R #
303	13.0	0.245	0.092	2.653	-2.864	2.967	21.5	-32.1	38.7	303.8	42.8	97.4	-94.1	135.4	316.0	0.63 0.00 1.00 % B31R #
304	13.6	0.25	0.095	2.638	-2.744	2.863	22.2	-31.9	38.9	304.9	43.7	98.2	-92.6	134.7	316.7	0.65 0.00 1.00 % B32R #
305	14.1	0.257	0.097	2.624	-2.632	2.761	23.0	-31.6	39.1	306.0	44.5	98.9	-91.1	134.5	317.3	0.67 0.00 1.00 % B33R #
306	14.7	0.262	0.1	2.611	-2.529	2.67	23.8	-31.4	39.3	307.1	45.3	99.6	-89.7	134.1	317.9	0.69 0.00 1.00 % B34R #
307	15.3	0.268	0.103	2.599	-2.432	2.586	24.5	-31.1	39.6	308.1	46.1	100.3	-88.3	133.6	318.6	0.7 0.00 1.00 % B35R #
308	15.9	0.273	0.105	2.587	-2.343	2.509	25.2	-30.9	39.9	309.2	46.8	101.0	-86.9	133.2	319.2	0.72 0.00 1.00 % B36R #
309	16.5	0.279	0.108	2.575	-2.257	2.439	25.9	-30.7	40.1	310.3	47.6	101.8	-85.6	132.7	319.9	0.74 0.00 1.00 % B37R #
310	17.0	0.284	0.11	2.564	-2.181	2.371	26.7	-30.4	40.4	311.3	48.3	102.4	-84.3	132.2	320.6	0.76 0.00 1.00 % B38R #
311	17.6	0.289	0.113	2.554	-2.108	2.309	27.4	-30.1	40.7	312.2	49.0	102.9	-83.0	132.2	321.0	0.78 0.00 1.00 % B39R #
312	18.2	0.294	0.115	2.544	-2.04	2.252	28.1	-29.9	41.0	313.2	49.7	103.5	-81.7	131.9	321.6	0.8 0.00 1.00 % B40R #
313	18.8	0.299	0.117	2.534	-1.976	2.199	28.8	-29.6	41.3	314.2	50.4	104.1	-80.5	131.6	322.2	0.81 0.00 1.00 % B41R #
314	19.3	0.303	0.12	2.525	-1.916	2.15	29.5	-29.4	41.7	315.1	51.1	104.7	-79.3	131.3	322.8	0.83 0.00 1.00 % B42R #
315	19.9	0.308	0.122	2.515	-1.859	2.104	30.2	-29.1	42.0	316.0	51.8	105.2	-78.2	131.0	323.3	0.85 0.00 1.00 % B43R #
316	20.5	0.312	0.124	2.507	-1.807	2.062	30.9	-28.8	42.3	316.9	52.4	105.7	-77.0	130.8	323.9	0.87 0.00 1.00 % B43R #
317	21.0	0.316	0.126	2.498	-1.757	2.022	31.6	-28.6	42.6	317.8	53.0	106.2	-75.9	130.5	324.4	0.89 0.00 1.00 % B44R #
318	21.6	0.32	0.128	2.49	-1.711	1.985	32.2	-28.3	42.9	318.6	53.6	106.7	-74.8	130.3	324.9	0.91 0.00 1.00 % B45R #
319	22.2	0.324	0.13	2.482	-1.667	1.949	32.9	-28.0	43.2	319.4	54.2	107.2	-73.7	130.1	325.4	0.93 0.00 1.00 % B46R #
320	22.7	0.328	0.132	2.474	-1.626	1.917	33.5	-27.9	43.6	320.2	54.8	107.5	-72.7	129.8	325.9	0.94 0.00 1.00 % B47R #
321	23.2	0.33	0.134	2.466	-1.587	1.887	34.1	-27.6	43.9	321.0	55.3	108.0	-71.7	129.6	326.3	0.96 0.00 1.00 % B48R #
322	24.8	0.339	0.139	2.427	-1.486	1.793	34.7	-26.9	44.5	322.7	56.9	108.9	-68.9	128.2	327.4	0.98 0.00 1.00 % B49R #
323	25.2	0.346	0.144	2.387	-1.404	1.714	36.4	-26.3	44.9	324.1	58.2	107.7	-66.5	126.6	328.3	1.00 0.00 0.99 % B50R #
324	27.4	0.351	0.149	2.353	-1.337	1.646	37.4	-25.7	45.1	325.2	59.4	107.2	-64.3	125.1	329.0	1.00 0.00 0.97 % B51R #
325	28.5	0.355	0.153	2.318	-1.281	1.586	37.6	-25.1	45.3	326.2	60.4	106.5	-62.5	123.4	329.6	1.00 0.00 0.95 % B52R #
326	29.5	0.358	0.157	2.285	-1.233	1.532	38.0	-24.6	45.5	327.0	61.2	105.6	-60.6	121.8	330.1	1.00 0.00 0.94 % B52R #
327	30.4	0.361	0.16	2.254	-1.192	1.483	38.2	-24.1	45.1	327.7	62.0	104.9	-58.9	120.2	330.6	1.00 0.00 0.92 % B53R #
328	31.5	0.367	0.164	2.227	-1.155	1.439	38.7	-23.6	44.9	328.4	62.7	104.2	-57.5	119.5	331.2	1.00 0.00 0.91 % B54R #
329	32.0	0.366	0.166	2.198	-1.118	1.397	38.3	-23.0	44.7	329.0	63.3	102.7	-55.9	116.9	331.4	1.00 0.00 0.88 % B55R #
330	32.8	0.371	0.17	2.177	-1.073	1.356	38.6	-22.1	44.5	329.8	64.0	102.1	-53.7	115.4	332.2	1.00 0.00 0.86 % B56R #
331	33.5	0.375	0.174	2.158	-1.033	1.319	38.9	-21.2	44.3	331.3	64.6	101.5	-51.7	113.9	333.0	1.00 0.00 0.84 % B57R #
332	34.2	0.379	0.177	2.14	-0.997	1.288	39.0	-20.4	44.0	332.3	65.1	101.0	-49.8	112.6	333.7	1.00 0.00 0.82 % B58R #
333	34.7	0.383	0.18	2.125	-0.966	1.259	39.1	-19.6	43.7	333.2	65.5	100.				