

Ostwald-Optimalfarben (o) von maximalem (m) C _{AB} für D65, Y _w =100, Y _m =520_770, LINYAB-Daten															%
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		%		
0	405	32	561	58.2	-22.74	-17.89	28.94	0.5596	-0.743	218.1	16 483	37 589	Cm	%	
6	435	32	562	58.79	-26.78	-9.88	28.55	0.4948	-0.6036	200.2	17 486	42 610		%	
10	450	32	563	59.42	-33.54	4.93	33.9	0.3859	-0.3525	171.6	19 496	-1 496c		%	
12	460	33	565	60.32	-36.45	12.66	38.58	0.3461	-0.2256	160.8	21 505	-1 505c		%	
12	465	33	567	61.66	-36.65	13.24	38.97	0.356	-0.2207	160.1	21 506	-1 506c		%	
14	470	33	569	62.72	-38.14	19.32	42.76	0.3422	-0.1274	153.1	24 520	-1 520c		%	
15	475	34	573	65.29	-38.28	22.47	44.39	0.364	-0.0913	149.5	25 528	-1 528c	Gm	%	
16	480	36	580	69.95	-37.48	26.04	45.64	0.4146	-0.0632	145.2	27 537	-1 537c		%	
17	485	39	595	78.75	-32.73	31.0	45.09	0.5347	-0.0418	136.5	29 548	-1 548c		%	
18	490	-1	490c	93.8	-12.06	38.4	40.25	0.8218	-0.0261	107.4	33 565	11 459	max	%	
19	495	-1	495c	92.3	-10.68	38.39	39.85	0.8346	-0.0195	105.5	33 566	12 462		%	
20	500	-1	500c	90.42	-8.91	38.07	39.1	0.8518	-0.0144	103.1	33 567	12 464		%	
22	510	-1	510c	85.27	-4.15	36.48	36.72	0.9016	-0.0076	96.5	33 569	13 469		%	
23	520	-1	519c	81.98	-1.26	35.24	35.26	0.935	-0.0056	92.0	34 570	14 471	Ym	%	
25	530	-1	529c	74.04	5.15	32.02	32.43	1.0201	-0.0031	80.8	34 573	15 475		%	
27	540	-1	539c	64.9	11.57	28.16	30.44	1.1288	-0.0016	67.6	35 577	15 478		%	
28	545	-1	544c	60.13	14.5	26.11	29.87	1.1917	-0.0012	60.9	35 579	15 479		%	
29	550	-1	549c	55.26	17.18	24.01	29.53	1.2613	-0.0009	54.4	36 582	16 480		%	
30	555	-1	554c	50.4	19.49	21.91	29.33	1.3372	-0.0007	48.3	36 584	16 481		%	
32	560	-1	560c	41.0	22.8	17.83	28.95	1.5064	-0.0005	38.0	37 589	16 483		%	
380	770	100.0	0.0	0.0	0.01	0.9504	-0.4355	0.0						%	
Ostwald-Optimalfarben (o) von maximalem (m) C _{AB} für D65, Y _w =100, Y _m =770_520, LINYAB komplementär%															
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	561	0	405	41.79	22.74	17.89	28.94	1.4946	-0.0072	38.1	37 589	16 483	Rm	%	
32	562	6	435	41.2	26.78	9.88	28.55	1.6006	-0.1956	20.2	42 610	17 486		%	
32	563	10	450	40.57	33.54	-4.93	33.9	1.7771	-0.557	351.6	-1 496c	19 496		%	
33	565	12	460	39.67	36.45	-12.66	38.58	1.8691	-0.7547	340.8	-1 505c	21 505		%	
33	567	12	465	38.33	36.65	-13.24	38.97	1.9064	-0.781	340.1	-1 506c	21 506		%	
33	569	14	470	37.27	38.14	-19.32	42.76	1.9738	-0.954	333.1	-1 520c	24 520		%	
34	573	15	475	34.7	38.28	-22.47	44.39	2.0536	-1.083	329.5	-1 528c	25 528	Mm	%	
36	580	16	480	30.04	37.48	-26.04	45.64	2.1982	-1.3026	325.2	-1 537c	27 537		%	
39	595	17	485	21.24	32.73	-31.0	45.09	2.4914	-1.8952	316.5	-1 548c	29 548		%	
-1	490c	18	490	6.19	12.06	-38.4	40.25	2.899	-6.6372	287.4	11 459	33 565	min	%	
-1	495c	19	495	7.69	10.68	-38.39	39.85	2.3392	-5.4245	285.5	12 462	33 566		%	
-1	500c	20	500	9.57	8.91	-38.07	39.1	1.8814	-4.4105	283.1	12 464	33 567		%	
-1	510c	22	510	14.72	4.15	-36.48	36.72	1.2328	-2.9143	276.5	13 469	33 569		%	
-1	519c	23	520	18.01	1.26	-35.24	35.26	1.0204	-2.3925	272.0	14 471	34 570	Bm	%	
-1	529c	25	530	25.95	-5.15	-32.02	32.43	0.7516	-1.6693	260.8	15 475	34 573		%	
-1	539c	27	540	35.09	-11.57	-28.16	30.44	0.6205	-1.238	247.6	15 478	35 577		%	
-1	544c	28	545	39.86	-14.5	-26.11	29.87	0.5865	-1.0906	240.9	15 479	35 579		%	
-1	549c	29	550	44.73	-17.18	-24.01	29.53	0.5663	-0.9725	234.4	16 480	36 582		%	
-1	554c	30	555	49.59	-19.49	-21.91	29.33	0.5572	-0.8774	228.3	16 481	36 584		%	
-1	560c	32	560	58.99	-22.8	-17.83	28.95	0.5638	-0.7379	218.0	16 483	37 589		%	
380	770	100.0	0.0	0.0	0.01	0.9504	-0.4355	0.0						%	

0-000020-L0	VG430-7X
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rgb _{AB} and CIE-Daten eines Elementar-Bunttonkreises nach CIE RI-47 für Ostwald-Farben für CIE-Lichtart D65																				
Yxy _{AB} abc _{AB} ABC _{AB} LabC _{AB} ab _{hAB} Daten für relative Stufung des Elementarbunttons L _{AB} Y für CIE-2-Grad Beobachter																				
Elementar-Bunttonkreise mit 4-Ziel-Elementar-Bunttonwinkeln: h _{AB} = 17.7, 93.3, 159.1, 270.8 von L _{AB} Y und 90 Ziel-Bunttonwinkeln:																				
180, 181, ..., 269, L _{AB} Y-Daten CIE-Testfarben 9 (R): 11.2 9.3 3.1, 10 (Y): 59.0 -1.2 20.9, 11 (G): 20.3 -7.2 2.7, 12 (B): 6.4 0.1 -8.2																				
no.	AB _Y	x	y	a	b	C _{AB}	A	B	C _{AB}	h _{AB}	L*	a*	b*	C _{AB}	h _{AB}	rgb _{AB}	Code _{AB}			
180	59.2	0.167	0.404	0.415	-0.423	0.535	-31.6	0.7	31.6	178.7	81.4	-101.1	1.5	101.1	179.7	0.00	1.00	0.37	G180	
181	59.1	0.167	0.399	0.419	-0.432	0.531	-31.4	0.1	31.4	179.6	81.4	-100.1	1.4	100.1	179.7	0.00	1.00	0.39	G181	
182	59.1	0.167	0.395	0.423	-0.441	0.527	-31.1	-0.3	31.2	180.6	81.3	-99.2	-0.7	99.2	180.4	0.00	1.00	0.4	G208	
183	59.1	0.167	0.391	0.427	-0.45	0.523	-30.9	-0.8	30.9	181.6	81.3	-98.2	-1.8	98.2	181.0	0.00	1.00	0.42	G218	
184	59.1	0.167	0.387	0.431	-0.459	0.52	-30.7	-1.4	30.7	182.6	81.3	-97.2	-3.0	97.2	181.7	0.00	1.00	0.44	G228	
185	59.1	0.166	0.383	0.434	-0.468	0.516	-30.4	-1.9	30.5	183.6	81.3	-96.2	-4.1	96.3	182.4	0.00	1.00	0.46	G238	
186	59.0	0.166	0.379	0.438	-0.477	0.513	-30.2	-2.4	30.3	184.7	81.3	-95.2	-5.2	95.3	183.1	0.00	1.00	0.48	G248	
187	59.0	0.166	0.375	0.442	-0.486	0.509	-29.9	-3.0	30.1	185.7	81.3	-94.2	-6.3	94.4	183.8	0.00	1.00	0.49	G258	
188	59.0	0.166	0.372	0.446	-0.495	0.507	-29.7	-3.5	29.9	186.8	81.3	-93.2	-7.4	93.5	184.5	0.00	1.00	0.51	G268	
189	59.0	0.166	0.368	0.45	-0.505	0.504	-29.4	-4.1	29.7	187.9	81.3	-92.2	-8.4	92.6	185.2	0.00	1.00	0.53	G268	
190	59.0	0.166	0.364	0.454	-0.514	0.501	-29.2	-4.6	29.6	189.0	81.2	-91.3	-9.5	91.8	185.9	0.00	1.00	0.55	G278	
191	58.9	0.165	0.361	0.458	-0.523	0.499	-28.9	-5.1	29.4	190.1	81.2	-90.3	-10.5	90.9	186.6	0.00	1.00	0.57	G288	
192	58.9	0.165	0.357	0.462	-0.532	0.497	-28.7	-5.6	29.3	191.2	81.2	-89.3	-11.5	90.1	187.3	0.00	1.00	0.58	G298	
193	58.9	0.165	0.354	0.466	-0.541	0.495	-28.5	-6.2	29.1	192.3	81.2	-88.4	-12.5	89.3	188.0	0.00	1.00	0.6	G308	
194	58.9	0.165	0.351	0.47	-0.55	0.493	-28.2	-6.7	29.0	193.4	81.2	-87.4	-13.5	88.5	188.8	0.00	1.00	0.62	G318	
195	58.8	0.165	0.348	0.474	-0.558	0.491	-28.0	-7.2	28.9	194.5	81.2	-86.5	-14.5	87.7	189.5	0.00	1.00	0.64	G328	
196	58.8	0.165	0.345	0.478	-0.567	0.488	-27.7	-7.7	28.8	195.6	81.2	-85.5	-15.4	86.7	190.2	0.00	1.00	0.65	G338	
197	58.8	0.165	0.342	0.482	-0.576	0.481	-27.5	-8.2	28.7	196.7	81.2	-84.7	-16.3	86.3	190.9	0.00	1.00	0.67	G338	
198	58.8	0.164	0.339	0.486	-0.584	0.487	-27.3	-8.7	28.6	197.8	81.2	-83.8	-17.2	85.6	191.6	0.00	1.00	0.69	G348	
199	58.8	0.164	0.336	0.49	-0.593	0.486	-27.0	-9.2	28.6	198.9	81.1	-82.9	-18.1	84.9	192.3	0.00	1.00	0.71	G358	
200	58.8	0.164	0.333	0.493	-0.601	0.485	-26.8	-9.7	28.5	199.9	81.1	-82.1	-19.0	84.2	193.0	0.00	1.00	0.73	G368	
201	58.7	0.164	0.33	0.498	-0.611	0.485	-26.5	-10.3	28.5	201.3	81.1	-81.0	-20.0	83.4	193.9	0.00	1.00	0.74	G378	
202	58.7	0.164	0.326	0.503	-0.622	0.484	-26.2	-10.9	28.4	202.7	81.1	-79.9	-21.1	82.6	194.8	0.00	1.00	0.76	G388	
203	58.6	0.164	0.323	0.507	-0.633	0.484	-25.9	-11.5	28.4	204.1	81.1	-78.8	-22.2	81.7	195.7	0.00	1.00	0.78	G398	
204	58.6	0.164	0.32	0.512	-0.643	0.484	-25.6	-12.1	28.4	205.3	81.0	-77.8	-23.2	81.2	196.5	0.00	1.00	0.8	G408	
205	58.5	0.164	0.317	0.516	-0.652	0.484	-25.3	-12.7	28.4	206.5	81.0	-76.8	-24.1	80.5	197.4	0.00	1.00	0.82	G418	
206	58.5	0.164	0.314	0.521	-0.661	0.485	-25.1	-13.2	28.4	207.8	81.0	-75.9	-25.0	79.9	198.2	0.00	1.00	0.83	G418	
207	58.4	0.164	0.312	0.525	-0.67	0.486	-24.8	-13.7	28.4	208.9	81.0	-75.0	-25.9	79.3	199.0	0.00	1.00	0.85	G428	
208	58.4	0.163	0.309	0.529	-0.679	0.486	-24.6	-14.2	28.4	210.0	80.9	-74.1	-26.7	78.8	199.8	0.00	1.00	0.87	G438	
209	58.4	0.163	0.307	0.532	-0.687	0.487	-24.3	-14.7	28.4	211.1	80.9	-73.3	-27.4	78.2	200.5	0.00	1.00	0.89	G448	
210	58.3	0.163	0.305	0.536	-0.695	0.488	-24.1	-15.1	28.5	212.1	80.9	-72.5	-28.1	77.8	201.2	0.00	1.00	0.91	G458	
211	58.3	0.163	0.303	0.539	-0.702	0.489	-23.9	-15.5	28.5	213.0	80.9	-71.7	-28.8	77.3	201.9	0.00	1.00	0.92	G468	
212	58.3	0.163	0.301	0.543	-0.709	0.49	-23.7	-15.9	28.6	214.0	80.9	-71.0	-29.5	76.9	202.6	0.00	1.00	0.94	G478	
213	58.2	0.163	0.299	0.546	-0.716	0.492	-23.5	-16.3	28.6	214.7	80.9	-70.3	-30.1	76.5	203.1	0.00	1.00	0.96	G488	
214	58.2	0.163	0.298	0.549	-0.722	0.493	-23.3	-16.7	28.7	215.5	80.8	-69.7	-30.6	76.1	203.7	0.00	1.00	0.98	G498	
215	58.2	0.163	0.296	0.552	-0.727	0.494	-23.2	-17.0	28.7	216.2	80.8	-69.1	-31.1	75.8	204.2	0.00	1.00	0.99	G508	
216	58.2	0.163	0.295	0.554	-0.733	0.495	-23.0	-17.3	28.8	216.9	80.8	-68.6	-31.6	75.5	204.7	0.00	1.00	0.98	G508	
217	58.2	0.163	0.293	0.557	-0.737	0.496	-22.9	-17.6	28.8	217.5	80.8	-68.1	-32.0	75.2	205.2	0.00	1.00	0.96	G518	
218	58.2	0.163	0.292	0.559	-0.742	0.497	-22.7	-17.8	28.9	218.0	80.8	-67.6	-32.4	75.0	205.6	0.00	1.00	0.94	G528	
219	58.3	0.164	0.291	0.563	-0.746	0.496	-22.5	-18.1	28.9	218.7	80.9	-66.8	-32.8	74.4	206.2	0.00	1.00	0.93	G538	
220	57.5	0.162	0.289	0.562	-0.756	0.503	-22.3	-18.4	28.9	219.4	80.9	-66.0	-33.6	74.6	206.7	0.00	1.00	0.91	G548	
221	56.6	0.161	0.287	0.562	-0.768	0.511	-22.0	-18.8	28.9	220.5	80.0	-66.4	-34.4	74.8	207.4	0.00	1.00	0.89	1.00	G558
222	55.7	0.159	0.284	0.561	-0.78	0.52	-21.6	-19.2	29.0	221.5	79.4	-66.2	-35.3	75.0	208.0	0.00	1.00	0.87	1.00	G568
223	54.8	0.158	0.281	0.56	-0.794	0.529	-21.3	-19.6	29.0	222.6	78.9	-65.9	-36.2	75.3	208.8	0.00	1.00	0.85	1.00	G578
224	53.8	0.156	0.279	0.56	-0.808	0.54	-21.0	-20.0	29.0	223.6	78.3	-65.7	-37.2	75.5	209.5	0.00	1.00	0.83	1.00	G588
225	52.8	0.154	0.276	0.559	-0.823	0.551	-20.6	-20.5	29.1	224.7	77.7	-65.4	-38.2	75.8	210.2	0.00	1.00	0.82	1.00	G598
226	51.8	0.152	0.273	0.558	-0.839	0.562	-20.3	-20.9	29.1	225.7	77.2	-65.2	-39.2	76.1	211.0	0.00	1.00	0.8	1.00	G598
227	50.7	0.15	0.27	0.557	-0.855	0.574	-20.0	-21.3	29.2	226.9	76.6	-64.9	-40.2	76.4	211.8	0.00	1.00	0.78	1.00	G608
228	49.9	0.149	0.267	0.557	-0.871	0.587	-19.6	-21.7	29.3	227.9	76.0	-64.6	-41.2	76.6	212.5	0.00	1.00	0.76	1.00	G618
229	48.9	0.147	0.264	0.557	-0.889	0.6	-19.2	-22.3	29.3	229.1	75.4	-64.1	-42.3	76.8	213.4	0.00	1.00	0.74	1.00	G628
230	48.0	0.146	0.261	0.558	-0.906	0.612	-18.8	-22.6	29.4	230.2	74.8	-63.6	-43.3	76.9	214.2	0.00	1.00	0.73	1.00	G638
231	47.1	0.144	0.258	0.559	-0.922	0.624	-18.4	-22.9	29.4	231.2	74.3	-63.0	-44.2	76.9	215.0	0.00	1.00	0.71	1.00	G648
232	46.4	0.143	0.256	0.561	-0.937	0.635	-18.0	-23.2	29.4	232.1	73.8	-62.3	-45.0	76.9	215.8	0.00	1.00	0.69	1.00	G658
233	45.7	0.142	0.253	0.563	-0.951	0.645	-17.7	-23.6	29.5	233.1	73.3	-61.6	-45.8	76.8	216.6	0.00	1.00	0.67	1.00	G668
234	45.0	0.141	0.251	0.565	-0.966	0.655	-17.3	-23.8	29.5	234.0	72.9	-60.9	-46.6	76.7	217.4	0.00	1.00	0.65	1.00	G678
235	44.3	0.141	0.248	0.567	-0.981	0.667	-16.9	-24.2	29.5	234.9	72.4	-60.1	-47.4	76.6	218.2	0.00	1.00	0.64	1.00	G678
236	43.5	0.14	0.246	0.57	-0.998	0.679	-16.5	-24.5	29.5	235.9	71.9	-59.3	-48.3	76						

rgb* _{abcAB} und CIE-Daten eines Elementar-Bunttonkreises nach CIE R1-47 für Ostwald-Farben für CIE-Lichtart D65																								
Yxy, _{abcAB} _{ABCAB} _{LabC*} _{ab} _{hAB} -Daten für relative Stufung des Elementarbunttons L _Y YAB für CIE-2-Grad Beobachter																								
Elementar-Bunttonkreise mit 4-Ziel-Elementar-Bunttonwinkeln: h _{AB} = 17, 93.3, 159.1, 270.8 von L _Y YAB für CIE-2-Grad Beobachter																								
270, 271, ..., 360, L _Y YAB-Daten CIE-Testfarben 9 (R): 11.2 9.3 3.1, 10 (Y): 59.0 -1.2 20.9, 11 (G): 20.3 -7.2 2.7, 12 (B): 6.4 0.1 -8.2																								
no.	AB	Y	x	y	a	b	C _{AB}	A	B	C _{AB}	h _{AB}	L*	a*	b*	C _{AB}	h _{AB}	rgb*	ab	h _{AB}	rgb*	ab	h _{AB}	Code _{AB}	
276	19.2	0.127	0.132	0.963	-2.244	1.889	0.2	-34.7	34.7	270.4	50.9	1.2	-83.9	83.9	270.8	0.00	0.01	1.00	0.00	0.00	0.00	0.00	G99B	
271	18.6	0.127	0.128	0.99	-2.316	1.881	0.7	-35.0	35.0	271.2	50.2	4.0	-88.1	85.2	272.6	0.0	0.0	1.00	0.00	0.00	0.00	0.00	R00R	
272	18.0	0.127	0.125	1.019	-2.389	1.954	1.2	-35.2	35.2	272.0	49.5	6.6	-86.2	86.5	274.4	0.02	0.00	1.00	0.00	0.00	0.00	0.00	B10R	
273	17.1	0.127	0.119	1.066	-2.512	2.08	1.9	-35.5	35.6	273.2	48.4	10.8	-88.1	88.8	277.0	0.04	0.00	1.00	0.00	0.00	0.00	0.00	B02R	
274	16.3	0.128	0.115	1.111	-2.627	2.197	2.6	-35.8	35.9	274.2	47.4	14.6	-89.7	90.9	279.2	0.05	0.00	1.00	0.00	0.00	0.00	0.00	B02R	
275	15.7	0.128	0.111	1.156	-2.736	2.309	3.2	-36.1	36.2	275.1	46.6	18.2	-91.1	93.0	281.3	0.07	0.00	1.00	0.00	0.00	0.00	0.00	B03R	
276	15.0	0.129	0.107	1.205	-2.85	2.428	3.8	-36.3	36.5	276.0	45.7	21.9	-92.6	95.1	283.3	0.09	0.00	1.00	0.00	0.00	0.00	0.00	B04R	
277	14.3	0.129	0.102	1.254	-2.989	2.573	4.5	-36.6	36.8	277.0	44.7	26.1	-94.2	97.7	285.5	0.11	0.00	1.00	0.00	0.00	0.00	0.00	B05R	
278	13.5	0.13	0.097	1.336	-3.157	2.749	5.2	-36.8	37.2	278.0	43.5	30.9	-96.0	100.9	287.8	0.13	0.00	1.00	0.00	0.00	0.00	0.00	B06R	
279	12.7	0.131	0.092	1.419	-3.349	2.951	5.9	-37.1	37.6	279.1	42.3	36.0	-99.7	104.3	290.1	0.15	0.00	1.00	0.00	0.00	0.00	0.00	B07R	
280	11.9	0.132	0.087	1.513	-3.567	3.182	6.7	-37.3	37.9	280.2	41.1	41.3	-99.9	108.1	292.4	0.17	0.00	1.00	0.00	0.00	0.00	0.00	B08R	
281	11.1	0.133	0.082	1.619	-3.809	3.44	7.4	-37.6	38.3	281.2	39.8	46.7	-102.0	112.2	294.6	0.19	0.00	1.00	0.00	0.00	0.00	0.00	B09R	
282	10.3	0.134	0.077	1.734	-4.075	3.723	8.1	-37.8	38.7	282.1	38.5	52.1	-104.0	116.4	296.6	0.2	0.00	1.00	0.00	0.00	0.00	0.00	B10R	
283	9.6	0.135	0.072	1.858	-4.357	4.025	8.8	-38.0	39.0	283.0	37.3	57.5	-106.0	120.6	298.4	0.22	0.00	1.00	0.00	0.00	0.00	0.00	B11R	
284	8.7	0.136	0.066	2.068	-4.831	4.535	9.7	-38.2	39.4	284.2	35.4	65.5	-108.0	127.2	300.8	0.24	0.00	1.00	0.00	0.00	0.00	0.00	B12R	
285	7.9	0.137	0.061	2.251	-5.235	4.973	10.4	-38.3	39.7	285.1	33.9	71.7	-110.1	132.3	302.8	0.26	0.00	1.00	0.00	0.00	0.00	0.00	B13R	
286	7.6	0.138	0.052	2.488	-5.622	5.568	10.3	-38.4	40.0	286.0	31.1	76.8	-115.6	138.8	303.5	0.28	0.00	1.00	0.00	0.00	0.00	0.00	B14R	
287	5.6	0.128	0.045	2.848	-7.295	7.117	10.7	-38.8	40.2	285.8	28.5	84.7	-119.6	146.5	305.3	0.3	0.00	1.00	0.00	0.00	0.00	0.00	B15R	
288	6.3	0.144	0.05	2.887	-6.421	6.291	12.3	-38.2	40.2	287.9	30.4	89.6	-116.1	146.6	307.6	0.32	0.00	1.00	0.00	0.00	0.00	0.00	B16R	
289	6.7	0.15	0.052	2.866	-6.055	5.937	12.9	-38.1	40.2	288.8	31.3	90.6	-114.5	146.0	308.3	0.34	0.00	1.00	0.00	0.00	0.00	0.00	B17R	
290	7.1	0.157	0.055	2.846	-5.713	5.697	13.6	-37.9	40.2	289.7	32.2	91.7	-112.8	145.4	309.0	0.35	0.00	1.00	0.00	0.00	0.00	0.00	B17R	
291	7.6	0.163	0.055	2.826	-5.395	5.362	14.2	-37.6	40.3	290.9	33.1	92.7	-111.2	144.8	309.8	0.37	0.00	1.00	0.00	0.00	0.00	0.00	B18R	
292	8.0	0.169	0.06	2.807	-5.099	5.02	14.9	-37.4	40.3	291.7	34.0	93.7	-109.6	144.2	311.3	0.39	0.00	1.00	0.00	0.00	0.00	0.00	B19R	
293	8.6	0.175	0.063	2.788	-4.826	4.6	15.6	-37.2	40.3	292.7	34.9	94.7	-108.0	143.7	311.2	0.41	0.00	1.00	0.00	0.00	0.00	0.00	B20R	
294	8.9	0.182	0.065	2.77	-4.572	4.52	16.2	-37.0	40.4	293.7	35.9	95.8	-106.4	143.1	311.9	0.43	0.00	1.00	0.00	0.00	0.00	0.00	B21R	
295	9.4	0.188	0.068	2.753	-4.338	4.298	16.9	-36.7	40.5	294.7	36.8	96.7	-104.8	142.6	312.7	0.45	0.00	1.00	0.00	0.00	0.00	0.00	B22R	
296	9.9	0.194	0.071	2.736	-4.12	4.095	17.7	-36.5	40.6	295.8	37.7	97.7	-103.2	142.1	313.4	0.47	0.00	1.00	0.00	0.00	0.00	0.00	B23R	
297	10.4	0.201	0.073	2.72	-3.919	3.97	18.4	-36.3	40.7	296.9	38.6	98.7	-101.6	141.4	314.1	0.48	0.00	1.00	0.00	0.00	0.00	0.00	B24R	
298	10.9	0.207	0.076	2.704	-3.733	3.735	19.1	-36.0	40.8	298.0	39.4	99.6	-100.0	141.2	314.8	0.5	0.00	1.00	0.00	0.00	0.00	0.00	B25R	
299	11.4	0.213	0.079	2.689	-3.56	3.576	19.9	-35.8	40.9	299.0	40.3	100.6	-98.5	140.8	315.6	0.52	0.00	1.00	0.00	0.00	0.00	0.00	B26R	
300	11.9	0.219	0.082	2.675	-3.4	3.429	20.6	-35.5	41.1	300.1	41.2	101.5	-96.9	140.4	316.3	0.54	0.00	1.00	0.00	0.00	0.00	0.00	B27R	
301	12.5	0.225	0.084	2.661	-3.251	3.294	21.4	-35.2	41.2	301.2	42.0	102.4	-95.4	140.0	316.9	0.56	0.00	1.00	0.00	0.00	0.00	0.00	B28R	
302	13.0	0.231	0.087	2.647	-3.13	3.17	22.1	-35.0	41.4	302.3	42.8	103.2	-94.0	139.9	317.0	0.58	0.00	1.00	0.00	0.00	0.00	0.00	B29R	
303	13.6	0.237	0.09	2.634	-2.985	3.055	22.9	-34.7	41.6	303.4	43.7	104.1	-92.5	139.3	318.3	0.6	0.00	1.00	0.00	0.00	0.00	0.00	B30R	
304	14.1	0.243	0.092	2.622	-2.865	2.949	23.7	-34.4	41.8	304.5	44.5	104.9	-91.1	138.9	319.0	0.62	0.00	1.00	0.00	0.00	0.00	0.00	B31R	
305	14.7	0.248	0.095	2.61	-2.754	2.851	24.4	-34.1	42.0	305.4	45.3	105.7	-89.7	138.6	319.6	0.63	0.00	1.00	0.00	0.00	0.00	0.00	B31R	
306	15.3	0.254	0.097	2.598	-2.65	2.761	25.2	-33.9	42.2	306.6	46.0	106.5	-88.3	138.3	320.3	0.65	0.00	1.00	0.00	0.00	0.00	0.00	B32R	
307	15.8	0.259	0.1	2.586	-2.554	2.677	25.9	-33.6	42.5	307.6	46.8	107.2	-86.9	138.0	320.9	0.67	0.00	1.00	0.00	0.00	0.00	0.00	B33R	
308	16.4	0.264	0.102	2.575	-2.464	2.599	26.7	-33.3	42.7	308.7	47.5	107.9	-85.6	137.8	321.5	0.69	0.00	1.00	0.00	0.00	0.00	0.00	B34R	
309	17.0	0.269	0.105	2.565	-2.379	2.527	27.4	-33.0	43.0	309.7	48.2	108.6	-84.3	137.5	322.1	0.71	0.00	1.00	0.00	0.00	0.00	0.00	B35R	
310	17.5	0.274	0.107	2.554	-2.301	2.46	28.2	-32.8	43.2	310.7	49.0	109.3	-83.0	137.2	322.7	0.73	0.00	1.00	0.00	0.00	0.00	0.00	B36R	
311	18.1	0.279	0.109	2.544	-2.227	2.398	28.9	-32.5	43.5	311.6	49.6	109.9	-81.8	137.0	323.3	0.75	0.00	1.00	0.00	0.00	0.00	0.00	B37R	
312	18.7	0.283	0.111	2.534	-2.158	2.34	29.6	-32.2	43.8	312.5	50.3	110.5	-80.6	136.8	323.9	0.77	0.00	1.00	0.00	0.00	0.00	0.00	B38R	
313	19.2	0.288	0.114	2.524	-2.093	2.286	30.3	-31.9	44.0	313.5	51.0	111.1	-79.4	136.6	324.4	0.78	0.00	1.00	0.00	0.00	0.00	0.00	B39R	
314	19.8	0.292	0.116	2.515	-2.033	2.236	31.0	-31.7	44.3	314.4	51.6	111.7	-78.2	136.4	324.9	0.8	0.00	1.00	0.00	0.00	0.00	0.00	B40R	
315	20.3	0.296	0.118	2.505	-1.976	2.189	31.7	-31.4	44.6	315.2	52.2	112.2	-77.1	136.2	325.4	0.82	0.00	1.00	0.00	0.00	0.00	0.00	B41R	
316	20.9	0.3	0.12	2.496	-1.923	2.145	32.3	-31.1	44.9	316.1	52.8	112.7	-76.0	136.0	325.9	0.84	0.00	1.00	0.00	0.00	0.00	0.00	B42R	
317	21.23	0.306	0.123	2.484	-1.881	2.173	33.0	-30.7	45.2	317.0	53.8	113.0	-74.3	135.5	326.6	0.86	0.00	1.00	0.00	0.00	0.00	0.00	B43R	
318	20.9	0.313	0.128	2.436	-1.861	1.974	34.3	-30.0	45.6	318.8	55.1	113.9	-7											

Ostwald-Optimalfarben (o) von maximalem (m) C _{AB} für D65, Y _{w,10} =100, Y _m =520_770, LINYAB-Daten														%
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		%	
0 405	31 556	56.57	-21.89	-18.32	28.54	0.5611	-0.7532	219.9	15 476	37 585	Cm		%	
6 435	31 557	57.41	-26.44	-8.79	27.86	0.4876	-0.5825	198.4	16 480	44 621			%	
10 450	31 559	57.53	-32.48	6.09	33.05	0.3834	-0.3234	169.3	18 491	-1 491c			%	
11 460	32 562	59.27	-33.9	10.52	35.5	0.3761	-0.2517	162.7	19 498	-1 498c			%	
12 465	33 565	60.91	-34.93	14.56	37.84	0.3747	-0.1903	157.3	21 506	-1 506c			%	
14 470	34 570	63.07	-35.18	20.67	40.8	0.3903	-0.1016	149.5	24 522	-1 522c			%	
15 475	35 579	68.64	-33.55	24.85	41.75	0.4593	-0.0672	143.4	26 533	-1 533c	Gm		%	
16 480	41 606	81.94	-23.65	31.88	39.7	0.6594	-0.0401	126.5	30 550	-1 550c			%	
16 485	-1 484c	92.3	-10.45	36.33	37.8	0.8348	-0.0356	106.0	32 560	10 454			%	
18 490	-1 490c	89.06	-7.57	36.55	37.33	0.863	-0.0188	101.7	32 562	11 459	max		%	
19 495	-1 495c	87.05	-5.68	36.18	36.62	0.8828	-0.0136	98.9	32 563	12 461			%	
19 500	-1 499c	87.05	-5.68	36.18	36.62	0.8828	-0.0136	98.9	32 563	12 461			%	
22 510	-1 510c	79.1	1.43	33.55	33.58	0.9662	-0.0051	87.5	33 567	13 466			%	
23 520	-1 519c	75.81	4.11	32.27	32.53	1.0024	-0.0036	82.7	33 568	13 468	Ym		%	
26 530	-1 530c	64.17	12.31	27.48	30.11	1.14	-0.001	65.8	34 573	14 472			%	
27 540	-1 539c	59.9	14.81	25.68	29.65	1.1955	-0.0005	60.0	35 576	14 473			%	
28 545	-1 544c	55.54	17.09	23.83	29.32	1.2559	-0.0002	54.3	35 578	14 474			%	
29 550	-1 549c	51.12	19.09	21.94	29.08	1.3215	-0.0001	48.9	36 580	15 475			%	
31 555	-1 555c	42.37	21.98	18.19	28.53	1.4668	0.0	39.6	37 586	15 476			%	
32 560	10 451	40.04	32.52	-6.18	33.11	1.7604	-0.5838	349.2	-1 492c	18 492			%	
380	770	100.0	0.0	0.0	0.01	0.9481	-0.4293	0.0					%	
Ostwald-Optimalfarben (o) von maximalem (m) C _{AB} für D65, Y _{w,10} =100, Y _m =770_520, LINYAB komplementär														%
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		%	
31 556	0 405	43.42	21.89	18.32	28.54	1.4522	-0.0074	39.9	37 585	15 476	Rm		%	
31 557	6 435	42.58	26.44	8.79	27.86	1.5691	-0.2226	18.4	44 621	16 480			%	
31 559	10 450	42.46	32.48	-6.09	33.05	1.713	-0.5727	349.3	-1 491c	18 491			%	
32 562	11 460	40.72	33.9	-10.52	35.5	1.7807	-0.6879	342.7	-1 498c	19 498			%	
33 565	12 465	39.08	34.93	-14.56	37.84	1.8419	-0.8019	337.3	-1 506c	21 506			%	
34 570	14 470	36.92	35.18	-20.67	40.8	1.901	-0.9891	329.5	-1 522c	24 522			%	
35 579	15 475	31.35	33.55	-24.85	41.75	2.0184	-1.2222	323.4	-1 533c	26 533	Mm		%	
41 606	16 480	18.05	23.65	-31.88	39.7	2.2587	-2.1959	306.5	-1 550c	30 550			%	
-1 484c	16 485	7.69	10.45	-36.33	37.8	2.306	-5.1484	286.0	10 454	32 560			%	
-1 490c	18 490	10.93	7.57	-36.55	37.33	1.6407	-3.7725	281.7	11 459	32 562	min		%	
-1 495c	19 495	12.94	5.68	-36.18	36.62	1.3873	-3.2239	278.9	12 461	32 563			%	
-1 499c	19 500	12.94	5.68	-36.18	36.62	1.3873	-3.2239	278.9	12 461	32 563			%	
-1 510c	22 510	20.89	-1.43	-33.55	33.58	0.8795	-2.035	267.5	13 466	33 567			%	
-1 519c	23 520	24.18	-4.12	-32.27	32.53	0.7777	-1.7639	262.7	13 468	33 568	Bm		%	
-1 530c	26 530	35.82	-12.31	-27.48	30.11	0.6044	-1.1965	245.8	14 472	34 573			%	
-1 539c	27 540	40.09	-14.81	-25.68	29.65	0.5785	-1.0699	240.0	14 473	35 576			%	
-1 544c	28 545	44.45	-17.09	-23.83	29.32	0.5635	-0.9653	234.3	14 474	35 578			%	
-1 549c	29 550	48.87	-19.09	-21.94	29.08	0.5575	-0.8782	228.9	15 475	36 580			%	
-1 555c	31 555	57.62	-21.98	-18.19	28.53	0.5667	-0.745	219.6	15 476	37 586			%	
10 451	32 560	59.95	-32.52	6.18	33.11	0.4056	-0.3261	169.2	18 492	-1 492c			%	
380	770	100.0	0.0	0.0	0.01	0.9481	-0.4293	0.0					%	

rgb* _{abAB} und CIE-Daten eines Elementar-Bunttonkreises nach CIE R1-47 für Ostwald-Farben für CIE-Lichtart D65																						
Yxy, _{abAB} ABC _{AB} LabC* _{ab} h _{ab} -Daten für relative Stufung des Elementarbunttons h _{AB} von LINYAB für CIE-10-Grad Beobachter																						
Elementar-Bunttonkreise mit 4 Ziel-Elementar-Bunttonwinkeln: h _{AB} = 18.2, 86.3, 156.2, 260.1 von LINYAB und 90 Ziel-Bunttonwinkeln:																						
000, 001, ..., 899, LINYAB-Daten CIE-Testfarben 9 (R): 10.8 8.7 7.8, 10 (Y): 55.9 1.2 19.6, 11 (G): 20.4 -6.8 3.0, 12 (B): 7.8 -1.2 -7.2																						
no.	ab	x ₁₀	y ₁₀	a ₁₀	b ₁₀	c _{AB} 10	A ₁₀	B ₁₀	C _{AB} 10	h _{AB} 10	L* ₁₀	a* ₁₀	b* ₁₀	C* _{ab} 10	h _{ab} 10	rgb*	ab	10	7.8	-1.2	-7.2	Code _{AB} 10
000	48.0	0.434	0.252	1.724	-0.497	0.779	31.0	-2.7	31.1	354.9	69.5	81.2	-7.3	81.6	354.7	1.00	0.00	0.36				B81R
001	48.0	0.436	0.253	1.719	-0.487	0.773	30.8	-2.3	30.9	355.7	69.5	80.8	-6.3	81.1	355.5	1.00	0.00	0.34				B82R
002	48.0	0.439	0.256	1.714	-0.476	0.768	30.7	-1.8	30.7	356.4	69.5	80.4	-5.2	80.6	356.3	1.00	0.00	0.32				B83R
003	48.0	0.441	0.258	1.709	-0.465	0.762	30.5	-1.4	30.5	357.2	69.5	80.0	-4.0	80.1	357.1	1.00	0.00	0.3				B84R
004	48.1	0.443	0.26	1.704	-0.454	0.757	30.3	-1.0	30.3	358.1	69.5	79.6	-2.8	79.6	357.9	1.00	0.00	0.28				B85R
005	48.1	0.446	0.262	1.699	-0.442	0.751	30.1	-0.5	30.1	358.9	69.5	79.1	-1.5	79.1	358.8	1.00	0.00	0.26				B86R
006	48.1	0.449	0.265	1.694	-0.431	0.745	29.9	0.0	29.9	359.8	69.5	78.7	-0.2	78.7	359.8	1.00	0.00	0.24				B87R
007	48.1	0.451	0.267	1.688	-0.419	0.74	29.7	0.4	29.7	0.7	69.6	78.2	1.1	78.2	0.8	1.00	0.00	0.22				B88R
008	48.2	0.454	0.27	1.682	-0.406	0.734	29.5	0.8	29.5	1.7	69.6	77.7	2.6	77.7	1.9	1.00	0.00	0.2				B89R
009	48.2	0.457	0.272	1.676	-0.394	0.729	29.3	1.3	29.3	2.7	69.6	77.2	4.0	77.3	3.0	1.00	0.00	0.18				B90R
010	48.2	0.46	0.275	1.67	-0.382	0.724	29.1	1.9	29.1	3.7	69.6	76.7	5.6	76.9	4.1	1.00	0.00	0.16				B91R
011	48.3	0.463	0.278	1.664	-0.369	0.719	28.8	2.4	28.8	4.7	69.6	76.2	7.2	76.5	5.4	1.00	0.00	0.14				B92R
012	48.3	0.467	0.281	1.658	-0.356	0.714	28.6	2.9	28.8	5.8	69.7	75.6	8.8	76.2	6.7	1.00	0.00	0.12				B93R
013	48.3	0.47	0.284	1.652	-0.343	0.709	28.4	3.4	28.6	6.9	69.7	75.1	10.6	75.8	8.0	1.00	0.00	0.1				B94R
014	48.4	0.474	0.288	1.645	-0.33	0.704	28.1	4.0	28.4	8.0	69.7	74.5	12.3	75.6	9.4	1.00	0.00	0.08				B95R
015	48.4	0.477	0.291	1.639	-0.316	0.7	27.9	4.5	28.3	9.2	69.8	74.0	14.2	75.3	10.8	1.00	0.00	0.06				B96R
016	48.5	0.481	0.294	1.632	-0.303	0.695	27.7	5.0	28.1	10.4	69.8	73.4	16.1	75.2	12.3	1.00	0.00	0.04				B97R
017	48.5	0.485	0.298	1.625	-0.29	0.691	27.4	5.6	28.0	11.6	69.8	72.8	18.1	75.0	13.9	1.00	0.00	0.02				B98R
018	48.6	0.489	0.302	1.618	-0.276	0.687	27.2	6.2	27.9	12.8	69.9	72.2	20.1	75.0	15.6	1.00	0.00	0.0				B99R
019	48.6	0.493	0.305	1.611	-0.263	0.684	27.0	6.7	27.8	14.0	69.9	71.6	22.3	75.0	17.2	1.00	0.01	0.00				B01Y
020	48.7	0.497	0.309	1.605	-0.249	0.681	26.7	7.3	27.7	15.3	70.0	71.0	24.5	75.2	19.0	1.00	0.02	0.00				B02Y
021	48.8	0.501	0.313	1.598	-0.235	0.678	26.5	7.8	27.6	16.5	70.0	70.4	26.8	75.4	20.8	1.00	0.04	0.00				B04Y
022	48.8	0.505	0.317	1.591	-0.222	0.675	26.2	8.4	27.6	17.8	70.0	69.8	29.2	75.7	22.6	1.00	0.05	0.00				B05Y
023	48.9	0.509	0.321	1.583	-0.208	0.673	26.0	9.0	27.7	19.1	70.1	69.2	31.7	76.1	24.6	1.00	0.06	0.00				B06Y
024	49.0	0.514	0.326	1.575	-0.195	0.67	25.7	9.5	27.5	20.4	70.1	68.6	34.3	76.7	26.5	1.00	0.08	0.00				B07Y
025	49.0	0.519	0.33	1.569	-0.181	0.669	25.5	10.1	27.4	21.7	70.2	68.0	37.0	77.4	28.5	1.00	0.09	0.00				B09Y
026	49.1	0.523	0.335	1.562	-0.168	0.667	25.2	10.7	27.4	23.0	70.2	67.3	39.8	78.2	30.6	1.00	0.11	0.00				B11Y
027	49.1	0.528	0.339	1.555	-0.155	0.666	25.0	11.3	27.4	24.3	70.3	66.7	42.8	79.3	32.6	1.00	0.12	0.00				B12Y
028	49.2	0.533	0.344	1.548	-0.141	0.665	24.7	11.8	27.4	25.6	70.3	66.1	45.9	80.5	34.8	1.00	0.14	0.00				B14Y
029	49.3	0.538	0.349	1.541	-0.128	0.664	24.5	12.4	27.5	26.8	70.4	65.4	49.2	81.9	36.9	1.00	0.15	0.00				B15Y
030	49.4	0.543	0.354	1.533	-0.115	0.664	24.2	13.0	27.5	28.1	70.4	64.8	52.7	83.6	39.1	1.00	0.17	0.00				B17Y
031	49.5	0.548	0.359	1.526	-0.102	0.664	24.0	13.5	27.6	29.4	70.5	64.2	56.5	85.5	41.3	1.00	0.18	0.00				B18Y
032	49.6	0.553	0.364	1.519	-0.09	0.664	23.7	14.1	27.6	30.6	70.6	63.5	60.5	87.8	43.6	1.00	0.2	0.00				B19Y
033	49.7	0.558	0.369	1.512	-0.077	0.665	23.5	14.6	27.7	31.9	70.6	62.9	64.9	90.4	45.8	1.00	0.21	0.00				B21Y
034	49.8	0.564	0.374	1.505	-0.065	0.665	23.3	15.2	27.8	33.1	70.7	62.3	69.7	93.5	48.2	1.00	0.23	0.00				B23Y
035	49.9	0.569	0.38	1.498	-0.053	0.666	23.0	15.7	27.9	34.3	70.8	61.6	70.5	97.1	50.5	1.00	0.24	0.00				B24Y
036	49.9	0.574	0.385	1.491	-0.041	0.667	22.8	16.3	28.0	35.5	70.8	61.0	81.1	101.5	53.0	1.00	0.26	0.00				B26Y
037	49.0	0.58	0.39	1.484	-0.029	0.669	22.5	16.8	28.1	36.6	70.9	60.4	88.4	107.1	55.6	1.00	0.27	0.00				B27Y
038	49.2	0.585	0.396	1.477	-0.017	0.67	22.3	17.3	28.3	37.8	71.0	59.7	97.8	114.6	58.5	1.00	0.29	0.00				B29Y
039	49.2	0.591	0.401	1.471	-0.006	0.672	22.1	17.8	28.4	38.9	71.0	59.1	111.4	126.1	62.0	1.00	0.3	0.00				B30Y
040	49.3	0.597	0.407	1.465	0.007	0.673	21.9	18.3	28.5	40.0	71.1	58.4	124.9	137.6	64.9	1.00	0.31	0.00				B31Y
041	49.5	0.602	0.413	1.458	0.02	0.663	21.2	19.5	28.8	42.7	71.9	56.2	159.2	169.0	70.5	1.00	0.33	0.00				B33Y
042	49.4	0.604	0.426	1.416	0.029	0.655	20.7	20.3	29.0	44.4	72.5	54.5	175.2	183.5	72.7	1.00	0.34	0.00				B34Y
043	49.5	0.603	0.431	1.397	0.032	0.644	20.4	20.9	29.2	45.7	73.1	53.0	183.4	199.9	73.8	1.00	0.36	0.00				B36Y
044	49.3	0.6	0.434	1.381	0.032	0.633	20.0	21.3	29.3	46.7	73.7	51.7	184.9	192.0	74.3	1.00	0.37	0.00				B37Y
045	49.3	0.595	0.435	1.366	0.028	0.62	19.8	21.6	29.3	47.5	74.3	50.5	180.9	187.8	74.4	1.00	0.39	0.00				B39Y
046	48.2	0.589	0.435	1.353	0.022	0.607	19.5	21.8	29.3	48.1	75.0	49.4	172.5	179.5	74.0	1.00	0.4	0.00				B40Y
047	48.2	0.592	0.434	1.341	0.017	0.594	19.3	21.9	29.2	48.5	75.6	48.4	168.9	167.7	73.2	1.00	0.42	0.00				B42Y
048	50.6	0.432	0.363	1.31	0.067	0.581	19.2	21.9	29.1	48.7	76.0	47.1	165.9	164.3	72.0	1.00	0.43	0.00				B43Y
049	51.1	0.569	0.43	1.321	0.0	0.568	19.0	21.9	29.0	49.9	76.7	46.7	132.1	140.1	70.5	1.00	0.45	0.00				B45Y
050	52.1	0.566	0.433	1.306	0.0	0.559	18.6	22.1	29.1	50.1	77.3	45.3	133.1	140.6	71.1	1.00	0.46	0.00				B46Y
051	53.0	0.563	0.436	1.292	0.0	0.55	18.2	22.7	29.2	51.2	77.9	44.0	134.0	141.0	71.7	1.00	0.48	0.00				B48Y
052	53.8	0.561	0.438	1.281	0.0	0.543	17.9	23.1	29.2	52.1	78.3	42.9	134.7	141.4	72.3	1.00	0.49	0.00				B49Y
053	54.6	0.559	0.44	1.269	0.0	0.536	17.5	23.4	29.2	53.1	78.8	41.8	135.4	141.7	72.8	1.00	0.51	0.00				B51Y
054	55.3	0.557	0.442	1.259	0.0	0.53	17.2	23.7	29.3	54.0	79.2	40.7	135.9	141.9	73.3	1.00	0.52	0.00				B52Y
055	56.0	0.555	0.444	1.248	0.0	0.523	16.8	24.0	29.3	54.9	79.6	39.6	136.6	142.2	73.8	1.00	0.53	0.00				B53Y
056	56.8	0.552	0.446	1.237	0.0	0.517	16.4	24.3	29.4	55.9	80.0	38.4	137.2	142.5	74.3	1.00	0.55	0.00				B55Y
057	57.4	0.548	0.447	1.227	0.0	0.51	16.0	24.6	29.4	56.9	80.4	37.1	138.0	142.8	74.8	1.00	0.56	0.00				B56Y
058	58.3	0.548	0.45	1.216	0.0	0.505	15.6	25.0	29.5	57.9	80.9	36.1	138.4	143.1	75.3	1.00	0.58	0.00				B58Y
059	59.1	0.546	0.453	1.205	0.0	0.5	15.2	25.3	29.5	5												

rgb* _{cAB} und CIE-Daten eines Elementar-Bunttonkreises nach CIE R1-47 für Ostwald-Farben für CIE-Lichtart D65																				
Yxy, <i>c</i> _{AB} , <i>ABC</i> _{AB} , <i>LabC</i> * _{ab,AB} -Daten für relative Stufung des Elementarbunttons <i>h</i> _{AB} von LINYAB für CIE-10-Grad Beobachter																				
Elementar-Bunttonkreise mit 4 Ziel-Elementar-Bunttonwinkeln: <i>h</i> _{AB} = 182, 86,3, 156,2, 260,1 von LINYAB und 90 Ziel-Bunttonwinkeln:																				
090, 091, ..., 179, LINYAB-Daten CIE-Testfarben 9 (R): 10.8 8.7 8.2, 10 (Y): 55.9 1.2 19.6, 11 (G): 20.4 -6.8 3.0, 12 (B): 7.8 -1.2 -7.2																				
<i>no.</i> _{AB}	<i>x</i> ₁₀	<i>y</i> ₁₀	<i>L</i> ₁₀	<i>a</i> ₁₀	<i>b</i> ₁₀	<i>C</i> _{AB,10}	<i>A</i> ₁₀	<i>B</i> ₁₀	<i>C</i> _{AB,10}	<i>h</i> _{AB,10}	<i>L</i> * ₁₀	<i>a</i> * ₁₀	<i>b</i> * ₁₀	<i>C</i> * _{ab,10}	<i>h</i> _{ab,10}	<i>rgb</i> * _{ab,10}	<i>Code</i> _{AB,10}			
090	88.8	0.481	0.509	0.946	-0.007	0.422	-0.1	34.1	34.1	90.1	92.0	-0.2	138.8	138.8	90.0	0.94	1.00	0.00	0.00	Y05G
091	81.5	0.479	0.51	0.948	-0.007	0.421	-0.7	34.3	34.4	91.3	92.4	-1.5	137.5	137.5	90.6	0.93	1.00	0.00	0.00	Y06G
092	82.3	0.476	0.512	0.93	-0.008	0.421	-1.4	34.6	34.6	92.4	92.7	-2.9	136.3	136.3	91.2	0.91	1.00	0.00	0.00	Y08G
093	83.1	0.473	0.513	0.922	-0.009	0.42	-2.1	34.8	34.9	93.4	93.0	-4.2	135.1	135.2	91.8	0.9	1.00	0.00	0.00	Y09G
094	83.8	0.471	0.515	0.914	-0.01	0.42	-2.7	35.1	35.2	94.4	93.3	-5.5	134.1	134.2	92.3	0.88	1.00	0.00	0.00	Y11G
095	84.5	0.468	0.516	0.907	-0.011	0.42	-3.4	35.3	35.5	95.5	93.6	-6.8	133.1	133.3	92.9	0.87	1.00	0.00	0.00	Y12G
096	85.2	0.466	0.518	0.9	-0.011	0.42	-4.0	35.5	35.8	96.5	93.9	-8.0	132.3	132.5	93.4	0.86	1.00	0.00	0.00	Y13G
097	85.9	0.464	0.519	0.883	-0.012	0.42	-4.6	35.8	36.1	97.4	94.2	-9.2	131.5	131.8	94.0	0.84	1.00	0.00	0.00	Y15G
098	86.5	0.462	0.52	0.887	-0.013	0.42	-5.2	36.0	36.3	98.2	94.4	-10.3	130.8	131.3	94.5	0.83	1.00	0.00	0.00	Y16G
099	87.0	0.46	0.521	0.882	-0.013	0.42	-5.7	36.1	36.6	98.9	94.7	-11.2	130.3	130.7	94.9	0.81	1.00	0.00	0.00	Y18G
100	87.6	0.458	0.522	0.876	-0.014	0.42	-6.2	36.3	36.8	99.7	95.0	-12.2	129.1	129.4	95.4	0.8	1.00	0.00	0.00	Y19G
101	88.4	0.454	0.523	0.869	-0.016	0.42	-6.9	36.4	37.1	100.8	95.3	-13.6	128.8	127.6	96.1	0.78	1.00	0.00	0.00	Y21G
102	89.4	0.451	0.522	0.862	-0.019	0.418	-7.6	36.6	37.3	101.7	95.7	-14.9	128.3	124.2	96.8	0.77	1.00	0.00	0.00	Y22G
103	90.5	0.448	0.52	0.86	-0.023	0.414	-7.9	36.7	37.5	102.1	96.2	-15.3	119.5	120.5	97.3	0.76	1.00	0.00	0.00	Y23G
104	91.5	0.444	0.519	0.856	-0.028	0.411	-8.3	36.7	37.6	102.8	96.6	-16.1	119.9	117.0	97.9	0.74	1.00	0.00	0.00	Y25G
105	92.2	0.44	0.518	0.848	-0.031	0.409	-9.1	36.6	37.7	103.4	96.9	-17.6	119.2	114.1	99.0	0.73	1.00	0.00	0.00	Y26G
106	92.9	0.434	0.515	0.839	-0.035	0.409	-9.8	36.3	37.8	105.9	96.9	-20.0	118.2	111.6	100.3	0.71	1.00	0.00	0.00	Y28G
107	92.0	0.432	0.521	0.829	-0.035	0.411	-10.9	36.2	37.8	106.8	96.8	-21.2	109.4	111.4	109.9	0.7	1.00	0.00	0.00	Y29G
108	91.7	0.43	0.522	0.823	-0.036	0.412	-11.4	36.0	37.8	107.6	96.7	-22.3	109.1	111.3	101.5	0.68	1.00	0.00	0.00	Y31G
109	91.4	0.428	0.524	0.816	-0.036	0.414	-12.0	35.9	37.8	108.5	96.5	-23.5	108.8	111.3	102.2	0.67	1.00	0.00	0.00	Y32G
110	91.0	0.425	0.526	0.809	-0.036	0.416	-12.6	35.7	37.9	109.4	96.4	-24.8	108.5	111.3	102.9	0.66	1.00	0.00	0.00	Y33G
111	90.6	0.423	0.527	0.802	-0.036	0.418	-13.2	35.5	37.9	110.3	96.2	-26.1	108.2	111.3	103.5	0.64	1.00	0.00	0.00	Y35G
112	90.2	0.421	0.529	0.794	-0.036	0.421	-13.8	35.4	38.0	111.3	96.0	-27.5	107.9	111.3	104.3	0.63	1.00	0.00	0.00	Y36G
113	89.7	0.418	0.531	0.787	-0.037	0.424	-14.4	35.2	38.0	112.3	95.9	-29.0	106.6	111.4	105.0	0.61	1.00	0.00	0.00	Y38G
114	89.3	0.416	0.534	0.779	-0.037	0.427	-15.0	35.0	38.1	113.3	95.7	-30.4	107.3	111.5	105.8	0.6	1.00	0.00	0.00	Y39G
115	88.8	0.413	0.536	0.77	-0.037	0.43	-15.7	34.8	38.2	114.3	95.5	-32.0	107.0	111.7	106.6	0.58	1.00	0.00	0.00	Y41G
116	88.3	0.41	0.538	0.762	-0.037	0.433	-16.4	34.6	38.2	115.3	95.3	-33.6	106.7	111.8	107.4	0.57	1.00	0.00	0.00	Y42G
117	87.7	0.407	0.541	0.753	-0.037	0.437	-17.0	34.3	38.3	116.4	95.0	-35.2	106.3	112.0	108.3	0.56	1.00	0.00	0.00	Y43G
118	87.2	0.404	0.543	0.744	-0.037	0.441	-17.7	34.1	38.4	117.4	94.8	-36.9	106.0	112.2	109.2	0.54	1.00	0.00	0.00	Y45G
119	86.6	0.401	0.546	0.735	-0.038	0.445	-18.4	33.9	38.6	118.5	94.6	-38.7	105.6	112.5	110.0	0.53	1.00	0.00	0.00	Y46G
120	86.0	0.398	0.549	0.725	-0.038	0.449	-19.1	33.6	38.7	119.6	94.3	-40.5	105.2	112.8	111.0	0.51	1.00	0.00	0.00	Y48G
121	85.4	0.395	0.551	0.716	-0.038	0.454	-19.8	33.4	38.8	120.6	94.1	-42.3	104.8	113.1	112.9	0.5	1.00	0.00	0.00	Y49G
122	84.9	0.391	0.554	0.706	-0.038	0.459	-20.5	33.3	38.9	121.7	93.8	-44.2	104.4	113.4	113.2	0.48	1.00	0.00	0.00	Y51G
123	84.2	0.388	0.557	0.696	-0.038	0.464	-21.2	32.8	39.1	122.8	93.5	-46.1	103.9	113.7	113.9	0.47	1.00	0.00	0.00	Y52G
124	83.6	0.384	0.56	0.686	-0.039	0.469	-21.9	32.6	39.2	123.8	93.2	-48.1	103.5	114.1	114.9	0.46	1.00	0.00	0.00	Y53G
125	82.9	0.38	0.563	0.675	-0.039	0.475	-22.5	32.3	39.4	124.9	93.0	-50.1	103.0	114.5	115.9	0.44	1.00	0.00	0.00	Y55G
126	82.3	0.376	0.566	0.665	-0.039	0.481	-23.2	32.0	39.6	125.9	92.7	-52.1	102.4	114.9	116.9	0.43	1.00	0.00	0.00	Y56G
127	81.6	0.372	0.569	0.654	-0.04	0.487	-23.9	31.7	39.7	127.0	92.4	-54.3	101.7	115.2	118.1	0.41	1.00	0.00	0.00	Y58G
128	80.7	0.367	0.572	0.642	-0.041	0.493	-24.6	31.3	39.8	128.2	92.2	-56.6	100.6	115.4	119.3	0.4	1.00	0.00	0.00	Y59G
129	79.9	0.362	0.575	0.63	-0.042	0.498	-25.4	30.9	40.0	129.3	91.6	-59.0	99.5	115.7	120.6	0.38	1.00	0.00	0.00	Y61G
130	79.3	0.359	0.578	0.618	-0.044	0.507	-26.0	30.4	40.1	130.5	91.3	-61.8	98.2	115.9	121.9	0.37	1.00	0.00	0.00	Y62G
131	78.3	0.352	0.581	0.606	-0.045	0.514	-26.7	30.0	40.2	131.6	90.9	-63.8	97.2	116.2	122.2	0.36	1.00	0.00	0.00	Y63G
132	77.4	0.347	0.584	0.594	-0.046	0.521	-27.4	29.6	40.3	132.7	90.5	-66.2	96.0	116.6	124.6	0.34	1.00	0.00	0.00	Y65G
133	76.6	0.341	0.587	0.581	-0.048	0.528	-28.0	29.2	40.5	133.8	90.1	-68.7	94.7	117.0	125.9	0.33	1.00	0.00	0.00	Y66G
134	75.8	0.336	0.59	0.569	-0.049	0.536	-28.7	28.7	40.6	134.9	89.7	-71.2	93.5	117.5	127.2	0.31	1.00	0.00	0.00	Y68G
135	75.0	0.33	0.593	0.557	-0.051	0.543	-29.3	28.3	40.7	135.9	89.4	-73.7	92.2	118.0	128.6	0.3	1.00	0.00	0.00	Y69G
136	74.2	0.325	0.596	0.545	-0.052	0.551	-29.9	27.9	40.9	136.9	89.0	-76.2	90.9	118.6	129.9	0.28	1.00	0.00	0.00	Y71G
137	73.4	0.319	0.598	0.533	-0.054	0.559	-30.4	27.5	41.0	137.9	88.6	-78.7	89.6	119.3	131.3	0.27	1.00	0.00	0.00	Y72G
138	72.6	0.313	0.601	0.521	-0.056	0.567	-31.0	27.0	41.1	138.8	88.0	-81.2	88.3	120.0	132.6	0.26	1.00	0.00	0.00	Y73G
139	71.8	0.307	0.604	0.509	-0.058	0.574	-31.5	26.6	41.2	139.7	87.9	-83.8	87.0	120.8	133.9	0.24	1.00	0.00	0.00	Y75G
140	71.0	0.301	0.606	0.497	-0.06	0.582	-32.0	26.2	41.4	140.6	87.5	-86.2	85.7	121.6	135.1	0.23	1.00	0.00	0.00	Y76G
141	70.3	0.296	0.609	0.486	-0.062	0.59	-32.5	25.8	41.5	141.5	87.1	-88.7	84.4	122.5	136.4	0.21	1.00	0.00	0.00	Y78G
142	69.6	0.29	0.611	0.475	-0.064	0.597	-32.9	25.4	41.6	142.3	86.8	-91.1	83.1	123.4	137.6	0.2	1.00	0.00	0.00	Y79G
143	68.9	0.284	0.613	0.464	-0.066	0.605	-33.3	25.0	41.7	143.1	86.4	-93.5	81.9	124.3	138.7	0.18	1.00	0.00	0.00	Y81G
144	68.2	0.279	0.617	0.453	-0.068	0.614	-33.7	24.6	41.8	144										

rgb* _{AB} and CIE-Daten eines Elementar-Bunttonkreises nach CIE R1-47 für Ostwald-Farben für CIE-Lichtart D65																			
Yxy, <i>abc</i> _{AB} , <i>ABC</i> _{AB} , <i>LabC*</i> _{ab} , <i>h_{ab}</i> für relative Stufung des Elementarbunttons <i>h_{AB}</i> von <i>LINYAB</i> für CIE-10-Grad Beobachter																			
Elementar-Bunttonkreis mit 4 Ziel-Elementar-Bunttonwinkeln: <i>h_{AB}</i> = 18.2, 86.3, 156.2, 260.1 von <i>LINYAB</i> und 90 Ziel-Bunttonwinkeln:																			
180, 181, ..., 269, LINYAB-Daten CIE-Testfarben 9 (R): 10.8 8.7 2.8, 10 (Y): 55.9 1.2 19.6, 11 (G): 20.4 -6.8 3.0, 12 (B): 7.8 -1.2 -7.2																			
<i>no.</i>	<i>AB₁₀</i>	<i>x₁₀</i>	<i>y₁₀</i>	<i>a₁₀</i>	<i>b₁₀</i>	<i>C_{AB,10}</i>	<i>A₁₀</i>	<i>B₁₀</i>	<i>C_{AB,10}</i>	<i>h_{AB,10}</i>	<i>L*</i> ₁₀	<i>a*</i> ₁₀	<i>b*</i> ₁₀	<i>C*</i> _{ab,10}	<i>h_{ab,10}</i>	<i>rgb*</i> _{AB,10}	<i>Code</i> _{AB,10}		
180	41.8	0.485	0.304	1.593	-0.274	0.664	27.0	6.4	27.7	13.4	70.7	79.6	29.6	73.6	16.2	0.00	1.00	0.45	G22B
181	41.8	0.484	0.304	1.593	-0.276	0.664	27.0	6.3	27.7	13.2	70.7	79.7	29.6	73.6	16.0	0.00	1.00	0.47	G23B
182	41.7	0.484	0.303	1.596	-0.279	0.665	27.0	6.2	27.8	13.0	70.7	79.8	19.9	73.6	15.7	0.00	1.00	0.49	G24B
183	41.7	0.484	0.302	1.597	-0.281	0.665	27.1	6.1	27.8	12.8	70.7	79.9	19.6	73.6	15.4	0.00	1.00	0.51	G25B
184	41.7	0.483	0.302	1.598	-0.283	0.666	27.1	6.0	27.8	12.6	70.7	71.0	19.3	73.6	15.2	0.00	1.00	0.53	G26B
185	41.7	0.482	0.301	1.599	-0.285	0.667	27.2	6.0	27.8	12.4	70.7	71.1	19.0	73.6	14.9	0.00	1.00	0.55	G27B
186	41.7	0.482	0.301	1.6	-0.287	0.667	27.2	5.9	27.8	12.2	70.7	71.2	18.6	73.6	14.6	0.00	1.00	0.57	G28B
187	41.7	0.481	0.3	1.601	-0.289	0.668	27.2	5.8	27.9	12.0	70.6	71.3	18.3	73.6	14.4	0.00	1.00	0.59	G29B
188	41.7	0.481	0.3	1.603	-0.291	0.668	27.3	5.7	27.9	11.8	70.6	71.4	18.0	73.7	14.1	0.00	1.00	0.61	G30B
189	41.7	0.48	0.299	1.604	-0.294	0.669	27.3	5.6	27.9	11.6	70.6	71.5	17.7	73.7	13.9	0.00	1.00	0.63	G31B
190	41.6	0.479	0.298	1.605	-0.296	0.67	27.4	5.5	27.9	11.4	70.6	71.6	17.3	73.7	13.6	0.00	1.00	0.64	G32B
191	41.6	0.479	0.298	1.606	-0.298	0.671	27.4	5.4	27.9	11.2	70.6	71.7	17.0	73.7	13.3	0.00	1.00	0.66	G33B
192	41.6	0.478	0.297	1.607	-0.3	0.672	27.4	5.3	28.0	11.0	70.6	71.8	16.7	73.7	13.1	0.00	1.00	0.68	G34B
193	41.6	0.478	0.297	1.608	-0.302	0.672	27.5	5.2	28.0	10.8	70.6	71.9	16.4	73.8	12.8	0.00	1.00	0.7	G35B
194	41.6	0.477	0.296	1.609	-0.304	0.673	27.5	5.1	28.0	10.6	70.6	72.0	16.1	73.8	12.6	0.00	1.00	0.72	G36B
195	41.6	0.476	0.296	1.611	-0.306	0.674	27.6	5.1	28.0	10.4	70.6	72.1	15.8	73.8	12.3	0.00	1.00	0.74	G37B
196	41.6	0.476	0.295	1.612	-0.308	0.674	27.6	5.0	28.0	10.2	70.6	72.2	15.5	73.8	12.1	0.00	1.00	0.76	G38B
197	41.6	0.475	0.294	1.613	-0.311	0.675	27.6	4.9	28.1	10.0	70.6	72.3	15.1	73.9	11.8	0.00	1.00	0.78	G39B
198	41.5	0.475	0.294	1.614	-0.313	0.676	27.7	4.8	28.1	9.8	70.6	72.4	14.8	73.9	11.6	0.00	1.00	0.8	G40B
199	41.5	0.474	0.293	1.615	-0.315	0.677	27.7	4.7	28.1	9.6	70.5	72.5	14.5	74.0	11.3	0.00	1.00	0.82	G41B
200	41.5	0.474	0.293	1.616	-0.317	0.677	27.7	4.6	28.1	9.4	70.5	72.6	14.2	74.0	11.1	0.00	1.00	0.84	G42B
201	41.5	0.473	0.292	1.617	-0.319	0.678	27.8	4.5	28.2	9.3	70.5	72.7	13.9	74.0	10.8	0.00	1.00	0.86	G43B
202	41.5	0.472	0.292	1.619	-0.321	0.679	27.8	4.4	28.2	9.1	70.5	72.8	13.6	74.1	10.6	0.00	1.00	0.88	G44B
203	41.5	0.472	0.291	1.621	-0.323	0.681	27.9	4.3	28.2	8.9	70.5	72.9	13.3	74.1	10.3	0.00	1.00	0.9	G45B
204	41.5	0.471	0.291	1.621	-0.326	0.681	27.9	4.2	28.2	8.7	70.5	73.0	13.0	74.1	10.1	0.00	1.00	0.91	G45B
205	41.5	0.471	0.29	1.622	-0.328	0.681	27.9	4.2	28.3	8.5	70.5	73.1	12.7	74.2	9.9	0.00	1.00	0.93	G46B
206	41.5	0.47	0.289	1.623	-0.33	0.682	28.0	4.1	28.3	8.3	70.5	73.2	12.4	74.2	9.6	0.00	1.00	0.95	G47B
207	41.4	0.47	0.289	1.624	-0.332	0.683	28.0	4.0	28.3	8.1	70.5	73.3	12.1	74.3	9.4	0.00	1.00	0.97	G48B
208	41.4	0.469	0.288	1.625	-0.334	0.684	28.1	3.9	28.3	7.9	70.5	73.4	11.9	74.3	9.2	0.00	1.00	0.99	G49B
209	41.4	0.469	0.288	1.626	-0.336	0.685	28.1	3.8	28.4	7.7	70.5	73.5	11.6	74.4	8.9	0.00	1.00	0.98	G50B
210	41.4	0.468	0.287	1.628	-0.338	0.686	28.1	3.7	28.4	7.5	70.4	73.6	11.3	74.4	8.7	0.00	1.00	0.96	G51B
211	41.4	0.467	0.287	1.629	-0.34	0.686	28.2	3.6	28.4	7.4	70.4	73.7	11.0	74.5	8.5	0.00	1.00	0.94	G52B
212	41.4	0.467	0.286	1.63	-0.342	0.687	28.2	3.5	28.4	7.2	70.4	73.8	10.7	74.5	8.2	0.00	1.00	0.92	G53B
213	41.4	0.466	0.286	1.631	-0.345	0.688	28.3	3.4	28.5	7.0	70.4	73.9	10.4	74.6	8.0	0.00	1.00	0.9	G54B
214	41.4	0.466	0.285	1.632	-0.347	0.689	28.3	3.4	28.5	6.8	70.4	73.9	10.1	74.6	7.8	0.00	1.00	0.88	G55B
215	41.3	0.465	0.285	1.633	-0.349	0.69	28.3	3.3	28.5	6.6	70.4	74.0	9.9	74.7	7.6	0.00	1.00	0.86	G56B
216	41.3	0.465	0.284	1.634	-0.351	0.691	28.4	3.2	28.5	6.4	70.4	74.1	9.6	74.8	7.3	0.00	1.00	0.84	G57B
217	41.3	0.464	0.284	1.635	-0.353	0.692	28.4	3.1	28.6	6.2	70.4	74.2	9.3	74.8	7.1	0.00	1.00	0.83	G58B
218	41.3	0.464	0.283	1.637	-0.355	0.692	28.4	3.0	28.6	6.1	70.4	74.3	9.0	74.9	6.9	0.00	1.00	0.81	G59B
219	41.3	0.463	0.283	1.638	-0.357	0.693	28.5	2.9	28.6	5.9	70.4	74.4	8.7	74.9	6.7	0.00	1.00	0.79	G60B
220	41.3	0.463	0.282	1.639	-0.359	0.694	28.5	2.8	28.7	5.7	70.4	74.5	8.5	75.0	6.5	0.00	1.00	0.77	G61B
221	41.3	0.462	0.282	1.64	-0.361	0.695	28.6	2.7	28.7	5.5	70.4	74.6	8.2	75.1	6.2	0.00	1.00	0.75	G62B
222	41.3	0.462	0.281	1.641	-0.364	0.696	28.6	2.6	28.7	5.3	70.3	74.7	7.9	75.1	6.0	0.00	1.00	0.73	G63B
223	41.2	0.461	0.281	1.642	-0.366	0.697	28.6	2.6	28.8	5.2	70.3	74.8	7.7	75.2	5.8	0.00	1.00	0.71	G64B
224	41.2	0.461	0.28	1.643	-0.368	0.698	28.7	2.5	28.8	5.0	70.3	74.9	7.4	75.3	5.6	0.00	1.00	0.69	G65B
225	41.2	0.46	0.28	1.644	-0.37	0.699	28.7	2.4	28.8	4.8	70.3	75.0	7.1	75.3	5.4	0.00	1.00	0.67	G66B
226	41.2	0.46	0.279	1.646	-0.372	0.7	28.7	2.3	28.8	4.6	70.3	75.1	6.8	75.4	5.2	0.00	1.00	0.65	G67B
227	41.2	0.459	0.278	1.647	-0.374	0.7	28.8	2.2	28.9	4.4	70.3	75.2	6.6	75.5	5.0	0.00	1.00	0.63	G68B
228	41.2	0.459	0.278	1.648	-0.376	0.702	28.8	2.1	28.9	4.3	70.3	75.3	6.3	75.5	4.8	0.00	1.00	0.61	G69B
229	41.2	0.458	0.278	1.649	-0.378	0.703	28.9	2.0	28.9	4.1	70.3	75.4	6.1	75.6	4.6	0.00	1.00	0.59	G70B
230	41.2	0.458	0.277	1.65	-0.38	0.704	28.9	2.0	29.0	3.9	70.3	75.5	5.8	75.7	4.4	0.00	1.00	0.57	G71B
231	41.2	0.457	0.277	1.651	-0.382	0.705	28.9	1.9	29.0	3.7	70.3	75.6	5.5	75.8	4.2	0.00	1.00	0.56	G71B
232	41.1	0.457	0.276	1.652	-0.384	0.706	29.0	1.8	29.0	3.6	70.3	75.6	5.3	75.8	4.0	0.00	1.00	0.54	G72B
233	41.1	0.456	0.276	1.653	-0.386	0.707	29.0	1.7	29.1	3.4	70.3	75.7	5.0	75.9	3.8	0.00	1.00	0.52	G73B
234	41.1	0.456	0.275	1.654	-0.388	0.708	29.0	1.6	29.1	3.2	70.2	75.8	4.8	76.0	3.6	0.00	1.00	0.5	G74B
235	41.1	0.455	0.275	1.656	-0.39	0.709	29.1	1.5	29.1	3.1	70.2	75.9	4.5	76.1	3.4	0.00	1.00	0.48	G75B
236	41.1	0.455	0.274	1.657	-0.393	0.71	29.1	1.4	29.2	2.9	70.2	76.0	4.3	76.1	3.2	0.00	1.00	0.46	G76B
237	41.1	0.454	0.274	1.658	-0.395	0.711	29.2	1.4	29.2	2.7	70.2	76.1	4.0	76.2	3.0	0.00	1.00	0.44	G77B
238	41.1	0.454	0.273	1.659	-0.397	0.712	29.2	1.3	29.2	2.5	70.2	76.2	3.8	76.3	2.8	0.00	1.00	0.42	G78B
239	41.1	0.453	0.																

rgb* _{AB} und CIE-Daten eines Elementar-Bunttonkreises nach CIE R1-47 für Ostwald-Farben für CIE-Lichtart D65																			
Yxy, <i>abc</i> _{AB} , <i>ABC</i> _{AB} , <i>LabC</i> * _{ab,hab} -Daten für relative Stufung des Elementarbunttonen <i>h</i> _{AB} von L1NYAB für CIE-10-Grad Beobachter																			
Elementar-Bunttonkreise mit 4 Ziel-Elementar-Bunttonwinkeln: <i>h</i> _{AB} = 18.2, 86.3, 156.2, 260.1 von L1NYAB und 90 Ziel-Bunttonwinkeln:																			
270, 271, ..., 360, L1NYAB-Daten CIE-Testfarben 9 (R): 10.8 8.7 7.8, 10 (Y): 55.9 1.2 19.6, 11 (G): 20.4 -6.8 3.0, 12 (B): 7.8 -1.2 -7.2																			
<i>no.</i> _{AB}	<i>XY</i> _{AB}	<i>X</i> ₁₀	<i>Y</i> ₁₀	<i>a</i> ₁₀	<i>b</i> ₁₀	<i>c</i> _{AB,10}	<i>A</i> ₁₀	<i>B</i> ₁₀	<i>C</i> _{AB,10}	<i>h</i> _{AB,10}	<i>L</i> * ₁₀	<i>a</i> * ₁₀	<i>b</i> * ₁₀	<i>C</i> * _{ab,10}	<i>h</i> _{ab,10}	<i>rgb</i> * _{AB,10}	<i>Code</i> _{AB,10}		
270	47.0	0.44	0.26	1.693	-0.46	0.745	30.3	-1.2	30.3	357.6	70.0	79.0	-3.4	79.1	357.4	0.16	0.00	1.00	0.00 B08R
271	47.7	0.44	0.259	1.694	-0.462	0.746	30.4	-1.3	30.4	357.4	70.0	79.1	-3.6	79.2	357.3	0.18	0.00	1.00	0.00 B09R
272	47.7	0.439	0.259	1.695	-0.464	0.747	30.4	-1.4	30.4	357.3	70.0	79.2	-3.8	79.3	357.1	0.2	0.00	1.00	0.00 B10R
273	47.7	0.439	0.259	1.696	-0.465	0.749	30.4	-1.4	30.5	357.2	69.9	79.2	-4.0	79.3	357.0	0.21	0.00	1.00	0.00 B10R
274	47.7	0.438	0.258	1.697	-0.467	0.75	30.5	-1.5	30.5	357.0	69.9	79.3	-4.2	79.4	356.9	0.23	0.00	1.00	0.00 B11R
275	47.7	0.438	0.258	1.698	-0.469	0.751	30.5	-1.6	30.5	356.9	69.9	79.4	-4.4	79.5	356.7	0.25	0.00	1.00	0.00 B12R
276	46.7	0.438	0.257	1.699	-0.471	0.752	30.5	-1.7	30.6	356.7	69.9	79.5	-4.6	79.6	356.6	0.26	0.00	1.00	0.00 B13R
277	46.7	0.437	0.257	1.7	-0.473	0.753	30.6	-1.7	30.6	356.6	69.9	79.6	-4.8	79.7	356.4	0.28	0.00	1.00	0.00 B14R
278	46.7	0.437	0.257	1.701	-0.475	0.754	30.6	-1.8	30.6	356.5	69.9	79.7	-5.0	79.8	356.3	0.3	0.00	1.00	0.00 B15R
279	46.7	0.436	0.256	1.702	-0.476	0.755	30.6	-1.9	30.7	356.3	69.9	79.7	-5.2	79.9	356.2	0.31	0.00	1.00	0.00 B15R
280	46.7	0.436	0.256	1.703	-0.478	0.756	30.6	-2.0	30.7	356.2	69.9	79.8	-5.4	80.0	356.0	0.33	0.00	1.00	0.00 B16R
281	46.7	0.436	0.256	1.704	-0.48	0.757	30.7	-2.0	30.8	356.1	69.9	79.9	-5.6	80.1	355.9	0.35	0.00	1.00	0.00 B17R
282	46.7	0.435	0.255	1.705	-0.482	0.758	30.7	-2.1	30.8	355.9	69.9	80.0	-5.8	80.2	355.8	0.37	0.00	1.00	0.00 B18R
283	46.7	0.435	0.255	1.706	-0.484	0.76	30.7	-2.2	30.8	355.8	69.9	80.0	-6.0	80.3	355.6	0.38	0.00	1.00	0.00 B19R
284	46.7	0.435	0.254	1.707	-0.486	0.761	30.8	-2.3	30.9	355.7	69.9	80.1	-6.2	80.4	355.5	0.4	0.00	1.00	0.00 B20R
285	46.7	0.434	0.254	1.708	-0.487	0.762	30.8	-2.3	30.9	355.6	69.9	80.2	-6.4	80.5	355.4	0.42	0.00	1.00	0.00 B21R
286	46.5	0.434	0.254	1.709	-0.489	0.763	30.8	-2.4	31.0	355.5	69.8	80.3	-6.6	80.6	355.3	0.43	0.00	1.00	0.00 B21R
287	46.5	0.434	0.253	1.71	-0.491	0.764	30.9	-2.5	31.0	355.3	69.8	80.4	-6.8	80.6	355.1	0.45	0.00	1.00	0.00 B22R
288	46.5	0.433	0.253	1.711	-0.493	0.765	30.9	-2.5	31.0	355.2	69.8	80.4	-6.9	80.7	355.0	0.47	0.00	1.00	0.00 B23R
289	46.5	0.433	0.253	1.711	-0.494	0.766	30.9	-2.6	31.0	355.0	69.8	80.5	-7.1	80.8	354.9	0.48	0.00	1.00	0.00 B24R
290	46.5	0.433	0.252	1.712	-0.496	0.767	31.0	-2.7	31.1	354.9	69.8	80.6	-7.3	80.9	354.7	0.5	0.00	1.00	0.00 B25R
291	46.5	0.432	0.252	1.713	-0.498	0.768	31.0	-2.7	31.1	354.8	69.8	80.7	-7.5	81.0	354.6	0.52	0.00	1.00	0.00 B26R
292	46.5	0.432	0.252	1.714	-0.5	0.769	31.0	-2.8	31.2	354.7	69.8	80.7	-7.7	81.1	354.5	0.53	0.00	1.00	0.00 B26R
293	46.5	0.432	0.251	1.715	-0.501	0.771	31.1	-2.9	31.2	354.6	69.8	80.8	-7.9	81.2	354.4	0.55	0.00	1.00	0.00 B27R
294	46.5	0.431	0.251	1.716	-0.503	0.772	31.1	-3.0	31.2	354.4	69.8	80.9	-8.0	81.3	354.2	0.57	0.00	1.00	0.00 B28R
295	46.5	0.431	0.251	1.717	-0.505	0.773	31.1	-3.0	31.3	354.3	69.8	81.0	-8.2	81.4	354.1	0.59	0.00	1.00	0.00 B29R
296	46.4	0.431	0.25	1.718	-0.507	0.774	31.1	-3.1	31.3	354.2	69.8	81.0	-8.4	81.5	354.0	0.6	0.00	1.00	0.00 B30R
297	46.4	0.43	0.25	1.719	-0.508	0.775	31.2	-3.2	31.3	354.1	69.8	81.1	-8.6	81.6	353.9	0.62	0.00	1.00	0.00 B31R
298	46.4	0.43	0.25	1.72	-0.51	0.776	31.2	-3.2	31.4	354.0	69.8	81.2	-8.7	81.7	353.8	0.64	0.00	1.00	0.00 B32R
299	46.4	0.43	0.249	1.721	-0.512	0.777	31.2	-3.3	31.4	353.8	69.8	81.3	-8.9	81.8	353.7	0.65	0.00	1.00	0.00 B32R
300	46.4	0.429	0.249	1.722	-0.513	0.778	31.3	-3.4	31.4	353.7	69.7	81.3	-9.1	81.8	353.6	0.67	0.00	1.00	0.00 B33R
301	46.4	0.429	0.249	1.723	-0.515	0.779	31.3	-3.4	31.5	353.6	69.7	81.4	-9.2	81.9	353.4	0.69	0.00	1.00	0.00 B34R
302	46.4	0.429	0.248	1.723	-0.517	0.78	31.3	-3.5	31.5	353.5	69.7	81.5	-9.4	82.0	353.3	0.7	0.00	1.00	0.00 B35R
303	46.4	0.428	0.248	1.724	-0.518	0.781	31.3	-3.6	31.6	353.4	69.7	81.6	-9.6	82.1	353.2	0.72	0.00	1.00	0.00 B36R
304	46.4	0.428	0.248	1.725	-0.52	0.782	31.4	-3.6	31.6	353.3	69.7	81.6	-9.7	82.2	353.1	0.74	0.00	1.00	0.00 B37R
305	46.4	0.428	0.248	1.726	-0.521	0.784	31.4	-3.7	31.6	353.2	69.7	81.7	-9.9	82.3	353.0	0.75	0.00	1.00	0.00 B37R
306	46.3	0.427	0.247	1.727	-0.523	0.785	31.4	-3.8	31.7	353.1	69.7	81.8	-10.1	82.4	352.9	0.77	0.00	1.00	0.00 B38R
307	46.3	0.427	0.247	1.728	-0.525	0.786	31.5	-3.8	31.7	352.9	69.7	81.8	-10.2	82.5	352.8	0.79	0.00	1.00	0.00 B39R
308	46.3	0.427	0.247	1.729	-0.526	0.787	31.5	-3.9	31.7	352.8	69.7	81.9	-10.4	82.6	352.7	0.81	0.00	1.00	0.00 B40R
309	46.3	0.427	0.246	1.73	-0.528	0.788	31.5	-3.9	31.8	352.7	69.7	82.0	-10.5	82.7	352.6	0.82	0.00	1.00	0.00 B41R
310	46.3	0.426	0.246	1.731	-0.529	0.789	31.5	-4.0	31.8	352.6	69.7	82.0	-10.7	82.7	352.5	0.84	0.00	1.00	0.00 B42R
311	46.3	0.426	0.246	1.731	-0.531	0.79	31.6	-4.1	31.8	352.5	69.7	82.1	-10.9	82.8	352.4	0.86	0.00	1.00	0.00 B43R
312	46.3	0.426	0.245	1.732	-0.533	0.791	31.6	-4.1	31.9	352.4	69.7	82.2	-11.0	82.9	352.3	0.87	0.00	1.00	0.00 B43R
313	46.3	0.425	0.245	1.733	-0.534	0.792	31.6	-4.2	31.9	352.3	69.7	82.2	-11.2	83.0	352.2	0.89	0.00	1.00	0.00 B44R
314	46.3	0.425	0.245	1.734	-0.536	0.793	31.7	-4.3	31.9	352.2	69.7	82.3	-11.3	83.1	352.1	0.91	0.00	1.00	0.00 B45R
315	46.3	0.425	0.245	1.735	-0.537	0.794	31.7	-4.3	32.0	352.1	69.7	82.4	-11.5	83.2	352.0	0.92	0.00	1.00	0.00 B46R
316	46.3	0.425	0.244	1.736	-0.539	0.795	31.7	-4.4	32.0	352.0	69.6	82.4	-11.6	83.3	351.9	0.94	0.00	1.00	0.00 B47R
317	46.2	0.424	0.244	1.736	-0.54	0.796	31.7	-4.4	32.0	351.9	69.6	82.5	-11.8	83.4	351.8	0.96	0.00	1.00	0.00 B48R
318	46.2	0.424	0.244	1.737	-0.542	0.797	31.8	-4.5	32.1	351.8	69.6	82.6	-11.9	83.5	351.7	0.97	0.00	1.00	0.00 B48R
319	46.2	0.424	0.244	1.738	-0.543	0.798	31.8	-4.6	32.1	351.7	69.6	82.6	-12.1	83.5	351.6	0.98	0.00	1.00	0.00 B49R
320	46.2	0.423	0.243	1.739	-0.545	0.799	31.8	-4.6	32.2	351.6	69.6	82.7	-12.2	83.6	351.5	1.00	0.00	0.98	0.00 B50R
321	46.2	0.423	0.243	1.74	-0.546	0.8	31.8	-4.7	32.2	351.5	69.6	82.8	-12.3	83.7	351.4	1.00	0.00	0.96	0.00 B51R
322	46.2	0.423	0.243	1.74	-0.548	0.801	31.9	-4.7	32.2	351.4	69.6	82.8	-12.5	83.8	351.4	1.00	0.00	0.95	0.00 B52R
323	46.2	0.422	0.242	1.741	-0.549	0.802	31.9	-4.8	32.3	351.3	69.6	82.9	-12.6	83.9	351.3	1.00	0.00	0.93	0.00 B53R
324	46.2	0.422	0.242	1.742	-0.551	0.803	31.9	-4.9	32.3	351.2	69.6	83.0	-12.8	83.9	351.2	1.00	0.00	0.91	0.00 B54R
325	46.2	0.422	0.242	1.743	-0.552	0.804	31.9	-4.9	32.3	351.1	69.								

Ostwald-Optimalfarben (o) von maximalem (m) C _{AB} für D65, Y _w =100, Y _m =520_770, CIELAB-Daten														%
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		%	
0 405	32 561	80.85	-67.55	-32.54	74.98	0.1805	-0.1029	205.7	16 483	37 589	Cm		%	
6 435	32 562	81.18	-81.89	-19.25	84.12	0.1732	-0.096	193.2	17 486	42 610			%	
10 450	32 563	81.52	-109.06	11.43	109.66	0.1595	-0.0803	174.0	19 496	-1 496c			%	
12 460	33 565	82.01	-120.74	33.26	125.23	0.1538	-0.0692	164.5	21 505	-1 505c			%	
12 465	33 567	82.73	-118.76	34.5	123.67	0.1552	-0.0687	163.8	21 506	-1 506c			%	
14 470	33 569	83.3	-123.47	57.53	136.22	0.1532	-0.0572	155.0	24 520	-1 520c			%	
15 475	34 573	84.63	-118.73	70.39	138.03	0.1564	-0.0512	149.3	25 528	-1 528c	Gm		%	
16 480	36 580	86.98	-107.21	84.2	136.33	0.1633	-0.0452	141.8	27 537	-1 537c			%	
17 485	39 595	91.12	-80.53	100.07	128.45	0.1778	-0.0394	128.8	29 548	-1 548c			%	
18 490	-1 490c	97.55	-23.15	119.05	121.28	0.2052	-0.0337	101.0	33 565	11 459	max		%	
19 495	-1 495c	96.94	-20.63	125.42	127.1	0.2062	-0.0306	99.3	33 566	12 462			%	
20 500	-1 500c	96.17	-17.33	131.15	132.29	0.2076	-0.0277	97.5	33 567	12 464			%	
22 510	-1 510c	94.0	-8.24	140.17	140.41	0.2116	-0.0224	93.3	33 569	13 469			%	
23 520	-1 519c	92.57	-2.53	142.99	143.01	0.2142	-0.0202	91.0	34 570	14 471	Ym		%	
25 530	-1 529c	88.94	10.79	144.39	144.79	0.2205	-0.0165	85.7	34 573	15 475			%	
27 540	-1 539c	84.43	25.54	141.4	143.69	0.2281	-0.0134	79.7	35 577	15 478			%	
28 545	-1 544c	81.91	33.05	138.34	142.24	0.2322	-0.0121	76.5	35 579	15 479			%	
29 550	-1 549c	79.2	40.58	134.51	140.5	0.2367	-0.0111	73.2	36 582	16 480			%	
30 555	-1 554c	76.32	47.96	130.1	138.66	0.2413	-0.0103	69.7	36 584	16 481			%	
32 560	-1 560c	70.18	61.63	120.13	135.02	0.2511	-0.0093	62.8	37 589	16 483			%	
380	770	100.0	0.0	0.0	0.0	0.2154	-0.0861	0.0					%	
Ostwald-Optimalfarben (o) von maximalem (m) C _{AB} für D65, Y _w =100, Y _m =770_520, CIELAB komplementär%														
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		%	
32 561	0 405	70.73	60.88	110.08	125.79	0.2505	-0.022	61.0	37 589	16 483	Rm		%	
32 562	6 435	70.32	70.58	34.83	78.71	0.2562	-0.0659	26.2	42 610	17 486			%	
32 563	10 450	69.88	85.85	-12.65	86.78	0.2653	-0.0935	351.6	-1 496c	19 496			%	
33 565	12 460	69.24	92.89	-29.55	97.48	0.2698	-0.1035	342.3	-1 505c	21 505			%	
33 567	12 465	68.27	94.84	-31.22	99.85	0.2716	-0.1046	341.7	-1 506c	21 506			%	
33 569	14 470	67.49	99.24	-42.98	108.15	0.2748	-0.1119	336.5	-1 520c	24 520			%	
34 573	15 475	65.52	102.87	-49.85	114.31	0.2784	-0.1167	334.1	-1 528c	25 528	Mm		%	
36 580	16 480	61.69	107.96	-59.02	123.05	0.2848	-0.1241	331.3	-1 537c	27 537			%	
39 595	17 485	53.22	112.99	-75.47	135.88	0.297	-0.1406	326.2	-1 548c	29 548			%	
-1 490c	18 490	29.91	89.01	-117.0	147.01	0.3124	-0.2136	307.2	11 459	33 565	min		%	
-1 495c	19 495	33.36	74.42	-112.09	134.55	0.2908	-0.1997	303.5	12 462	33 566			%	
-1 500c	20 500	37.09	58.44	-106.44	121.43	0.2704	-0.1864	298.7	12 464	33 567			%	
-1 510c	22 510	45.26	23.9	-93.37	96.38	0.2349	-0.1623	284.3	13 469	33 569			%	
-1 519c	23 520	49.52	6.76	-86.32	86.58	0.2205	-0.152	274.4	14 471	34 570	Bm		%	
-1 529c	25 530	58.0	-23.98	-72.06	75.95	0.1992	-0.1348	251.5	15 475	34 573			%	
-1 539c	27 540	65.83	-46.7	-58.75	75.05	0.1868	-0.122	231.5	15 478	35 577			%	
-1 544c	28 545	69.38	-54.68	-52.68	75.93	0.1833	-0.117	223.9	15 479	35 579			%	
-1 549c	29 550	72.72	-60.59	-46.95	76.65	0.1812	-0.1126	217.7	16 480	36 582			%	
-1 554c	30 555	75.82	-64.5	-41.62	76.77	0.1803	-0.1088	212.8	16 481	36 584			%	
-1 560c	32 560	81.29	-66.96	-32.22	74.32	0.181	-0.1027	205.6	16 483	37 589			%	
380	770	100.0	0.0	0.0	0.0	0.2154	-0.0861	0.0					%	

rgb _{cab} und CIE-Daten eines Elementar-Bunttonkreises nach CIE R1-47 für Ostwald-Farben für CIE-Lichtart D65																				
Yxy, abc _{AB} , ABC _{AB} , LabC _{ab} * _{hab} -Daten für relative Stufung des Elementarbunttons <i>h_{ab}</i> von CIELAB für CIE-2-Grad Beobachter																				
Elementar-Bunttonkreis mit 4 Ziel-Elementar-Bunttonwinkeln: <i>h_{ab}</i> = 25.6, 92.4, 162.1, 271.5 von CIELAB und 90 Ziel-Bunttonwinkeln:																				
00.001, ..., 089, CIELAB-Daten CIE-Testfarben 9 (R): 40.0 58.9 28.3, 10 (Y): 81.3 -3.0 71.8, 11 (G): 52.2 -42.3 13.6, 12 (B): 30.5 1.2 -46.3																				
no.	ab	Y	x	y	a	b	c _{AB}	A	B	C _{AB}	h _{AB}	L*	a*	b*	C*	h _{AB}	rgb _{ab}	Code	ab	
000	40.7	x	0.443	0.255	1.735	-0.47	0.785	31.9	-1.4	32.0	357.4	70.0	82.3	-3.8	82.4	357.3	1.00	0.00	0.58	B70R
001	40.7	y	0.445	0.257	1.73	-0.459	0.78	31.7	-0.9	31.8	358.2	70.0	81.9	-2.6	81.9	358.1	1.00	0.00	0.55	B72R
002	40.7	0.448	0.259	1.725	-0.448	0.774	31.6	-0.5	31.6	359.0	70.0	81.5	-1.5	81.5	358.9	1.00	0.00	0.53	B73R	
003	40.8	0.45	0.262	1.719	-0.438	0.769	31.4	-0.1	31.4	359.8	70.0	81.0	-0.2	81.0	359.7	1.00	0.00	0.51	B74R	
004	40.8	0.453	0.264	1.714	-0.427	0.764	31.2	0.3	31.2	0.6	70.0	80.6	0.9	80.6	0.6	1.00	0.00	0.48	B75R	
005	40.8	0.455	0.266	1.709	-0.416	0.759	31.0	0.7	31.0	1.4	70.0	80.1	2.2	80.2	1.5	1.00	0.00	0.46	B76R	
006	40.8	0.458	0.268	1.704	-0.405	0.754	30.8	1.2	30.8	2.2	70.0	79.7	3.5	79.8	2.5	1.00	0.00	0.44	B77R	
007	40.8	0.461	0.271	1.698	-0.394	0.749	30.6	1.6	30.6	3.4	70.1	79.2	4.8	79.4	3.4	1.00	0.00	0.42	B78R	
008	40.9	0.463	0.273	1.693	-0.383	0.745	30.4	2.1	30.4	4.0	70.1	78.8	6.1	79.0	4.4	1.00	0.00	0.39	B80R	
009	40.9	0.466	0.276	1.688	-0.372	0.74	30.1	2.5	30.3	4.8	70.1	78.3	7.5	78.7	5.4	1.00	0.00	0.37	B81R	
010	40.9	0.469	0.278	1.683	-0.361	0.736	29.9	3.0	30.1	5.7	70.1	77.9	8.9	78.4	6.5	1.00	0.00	0.35	B82R	
011	40.9	0.471	0.281	1.677	-0.35	0.732	29.7	3.4	29.9	6.6	70.1	77.4	10.3	78.1	7.5	1.00	0.00	0.33	B83R	
012	40.9	0.474	0.283	1.672	-0.34	0.728	29.5	3.9	29.8	7.5	70.1	76.9	11.7	77.8	8.6	1.00	0.00	0.3	B84R	
013	40.9	0.477	0.286	1.667	-0.329	0.724	29.3	4.3	29.7	8.4	70.1	76.5	13.2	77.6	9.8	1.00	0.00	0.28	B85R	
014	41.0	0.48	0.289	1.662	-0.318	0.721	29.1	4.7	29.5	9.3	70.1	76.0	14.7	77.4	10.9	1.00	0.00	0.26	B86R	
015	41.0	0.483	0.291	1.656	-0.308	0.717	28.9	5.2	29.4	10.2	70.1	75.6	16.2	77.3	12.1	1.00	0.00	0.24	B87R	
016	41.0	0.486	0.294	1.651	-0.297	0.714	28.7	5.6	29.3	11.1	70.2	75.0	17.6	77.2	13.2	1.00	0.00	0.21	B89R	
017	41.0	0.489	0.297	1.646	-0.286	0.711	28.5	6.1	29.2	12.0	70.2	74.6	19.2	77.1	14.4	1.00	0.00	0.19	B90R	
018	41.0	0.492	0.3	1.641	-0.276	0.709	28.3	6.5	29.1	12.9	70.2	74.2	20.8	77.1	15.7	1.00	0.00	0.17	B91R	
019	41.0	0.495	0.302	1.636	-0.266	0.706	28.1	6.9	29.0	13.8	70.2	73.7	22.4	77.1	16.9	1.00	0.00	0.15	B92R	
020	41.1	0.498	0.305	1.631	-0.256	0.704	27.9	7.3	28.9	14.7	70.2	73.3	24.1	77.1	18.1	1.00	0.00	0.12	B93R	
021	41.1	0.501	0.308	1.626	-0.246	0.701	27.7	7.7	28.8	15.6	70.2	72.8	25.7	77.3	19.4	1.00	0.00	0.1	B94R	
022	41.1	0.504	0.311	1.621	-0.236	0.699	27.5	8.1	28.7	16.5	70.2	72.4	27.4	77.4	20.7	1.00	0.00	0.08	B95R	
023	41.1	0.507	0.314	1.616	-0.226	0.697	27.4	8.6	28.7	17.4	70.2	72.0	29.1	77.6	22.0	1.00	0.00	0.06	B96R	
024	41.1	0.51	0.317	1.611	-0.216	0.696	27.2	9.0	28.6	18.3	70.3	71.5	30.8	77.7	23.3	1.00	0.00	0.03	B98R	
025	41.1	0.514	0.319	1.606	-0.207	0.694	27.0	9.3	28.6	19.1	70.3	71.1	32.5	78.2	24.6	1.00	0.00	0.01	B99R	
026	41.2	0.517	0.322	1.601	-0.198	0.693	26.8	9.7	28.5	20.0	70.3	70.7	34.3	78.6	25.9	1.00	0.00	0.00	R00Y	
027	41.2	0.52	0.326	1.597	-0.187	0.692	26.6	10.2	28.5	20.9	70.3	70.3	36.4	79.2	27.4	1.00	0.02	0.00	R02Y	
028	41.2	0.525	0.329	1.593	-0.176	0.692	26.5	10.6	28.5	21.9	70.3	69.9	38.7	79.9	28.9	1.00	0.03	0.00	R03Y	
029	41.2	0.528	0.332	1.588	-0.165	0.693	26.3	11.1	28.6	22.8	70.3	69.5	40.9	80.7	30.4	1.00	0.05	0.00	R05Y	
030	41.3	0.532	0.336	1.584	-0.155	0.693	26.2	11.5	28.6	23.8	70.3	69.1	43.2	81.5	31.9	1.00	0.06	0.00	R06Y	
031	41.3	0.536	0.339	1.58	-0.145	0.693	26.0	11.9	28.6	24.6	70.4	68.8	45.5	82.5	33.4	1.00	0.08	0.00	R08Y	
032	41.3	0.54	0.342	1.576	-0.136	0.694	25.9	12.3	28.7	25.5	70.4	68.4	47.8	83.5	34.9	1.00	0.09	0.00	R09Y	
033	41.3	0.544	0.345	1.572	-0.127	0.694	25.7	12.7	28.7	26.3	70.4	68.1	50.1	84.5	36.3	1.00	0.11	0.00	R11Y	
034	41.3	0.547	0.348	1.569	-0.118	0.695	25.6	13.1	28.7	27.1	70.4	67.7	52.4	85.6	37.7	1.00	0.12	0.00	R12Y	
035	41.4	0.55	0.351	1.565	-0.11	0.695	25.4	13.4	28.8	27.8	70.4	67.4	54.7	86.8	39.0	1.00	0.13	0.00	R13Y	
036	41.4	0.554	0.354	1.561	-0.102	0.696	25.3	13.8	28.8	28.5	70.4	67.1	57.0	88.1	40.3	1.00	0.15	0.00	R15Y	
037	41.4	0.557	0.357	1.558	-0.094	0.696	25.1	14.1	28.8	29.2	70.4	66.7	59.4	89.3	41.6	1.00	0.16	0.00	R16Y	
038	41.4	0.56	0.36	1.554	-0.087	0.697	25.0	14.4	28.9	29.9	70.5	66.4	61.7	90.7	42.9	1.00	0.18	0.00	R18Y	
039	41.5	0.563	0.363	1.55	-0.08	0.697	24.9	14.7	28.9	30.5	70.5	66.1	64.0	92.0	44.0	1.00	0.19	0.00	R19Y	
040	41.5	0.566	0.365	1.547	-0.074	0.697	24.7	14.9	28.9	31.1	70.5	65.8	66.3	93.4	45.2	1.00	0.21	0.00	R21Y	
041	41.5	0.568	0.368	1.544	-0.068	0.698	24.6	15.2	29.0	31.7	70.5	65.5	68.7	94.9	46.3	1.00	0.22	0.00	R22Y	
042	41.5	0.571	0.37	1.54	-0.062	0.698	24.5	15.4	29.0	32.2	70.5	65.2	71.0	96.4	47.4	1.00	0.24	0.00	R24Y	
043	41.5	0.573	0.372	1.537	-0.057	0.698	24.4	15.5	29.0	32.7	70.5	64.9	73.2	97.9	48.4	1.00	0.25	0.00	R25Y	
044	41.6	0.575	0.375	1.534	-0.052	0.698	24.3	15.9	29.0	33.2	70.5	64.6	75.5	99.4	49.4	1.00	0.27	0.00	R27Y	
045	41.6	0.577	0.377	1.531	-0.047	0.698	24.1	16.1	29.0	33.7	70.6	64.3	77.8	100.9	50.4	1.00	0.28	0.00	R28Y	
046	41.6	0.579	0.379	1.528	-0.043	0.698	24.0	16.3	29.0	34.1	70.6	64.0	80.0	102.5	51.3	1.00	0.3	0.00	R30Y	
047	41.6	0.581	0.381	1.525	-0.039	0.697	23.9	16.5	29.0	34.5	70.6	63.8	82.2	104.1	52.2	1.00	0.31	0.00	R31Y	
048	41.6	0.583	0.382	1.523	-0.035	0.698	23.8	16.6	29.1	34.9	70.6	63.5	84.4	105.7	53.0	1.00	0.33	0.00	R33Y	
049	41.6	0.584	0.384	1.52	-0.032	0.698	23.7	16.8	29.1	35.2	70.6	63.3	86.7	107.3	53.8	1.00	0.34	0.00	R34Y	
050	41.7	0.585	0.386	1.517	-0.029	0.697	23.6	16.9	29.1	35.6	70.6	63.0	88.8	108.9	54.6	1.00	0.36	0.00	R36Y	
051	41.7	0.587	0.387	1.515	-0.026	0.697	23.5	17.0	29.0	35.9	70.6	62.8	90.9	110.5	55.3	1.00	0.37	0.00	R37Y	
052	41.7	0.588	0.388	1.512	-0.023	0.697	23.4	17.1	29.0	36.2	70.6	62.6	93.0	112.1	56.0	1.00	0.39	0.00	R39Y	
053	41.7	0.589	0.39	1.51	-0.02	0.696	23.3	17.3	29.0	36.5	70.6	62.3	95.0	113.7	56.7	1.00	0.4	0.00	R40Y	
054	41.7	0.59	0.391	1.508	-0.018	0.696	23.2	17.4	29.0	36.7	70.7	62.1	97.0	115.2	57.3	1.00	0.42	0.00	R42Y	
055	41.7	0.591	0.392	1.505	-0.016	0.695	23.1	17.4	29.0	37.0	70.7	61.9	99.0	116.8	57.9	1.00	0.43	0.00	R43Y	
056	41.7	0.591	0.393	1.503	-0.014	0.695	23.1	17.5	29.0	37.2	70.7	61.7	100.9	118.3	58.5	1.00	0.45	0.00	R45Y	
057	41.7	0.592	0.394	1.501	-0.013	0.694	23.0	17.6	29.0	37.4	70.7	61.5	102.8	119.9	59.1	1.00	0.46	0.00	R46Y	
058	41.7	0.593	0.395	1.499	-0.011	0.6														

rgb_{cab} und CIE-Daten eines Elementar-Bunttonkreises nach CIE R1-47 für Ostwald-Farben für CIE-Lichtart D65

Xyy, abc_{AB}, ABC_{AB}, LabC_{ab}h_{ab}-Daten für relative Stufung des Elementarbunttons h_{ab} von CIELAB für CIE-2-Grad Beobachter

Elementar-Bunttonkreise mit 4-Ziel-Elementar-Bunttonwinkeln: h_{ab} = 25.6, 92.4, 162.1, 271.5 von CIELAB und 90 Ziel-Bunttonwinkeln:

090, 091, ..., 179, CIELAB-Daten CIE-Testfarben 9 (R): 40.0 58.9 28.3, 10 (Y): 81.3 -3.0 71.8, 11 (G): 52.2 -42.3 13.6, 12 (B): 30.5 1.2 -46.3

no.	ab	Y	x	y	a	b	c _{AB}	A	B	C _{AB}	h _{AB}	L*	a*	b*	C*	h _{AB}	rgb _{cab}	Code _{ab}
090	80.7	0.483	0.509	0.948	-0.005	0.43	-0.1	34.7	34.7	90.3	92.0	-0.3	143.4	143.4	90.1	1.00	0.96	0.00 % R96Y
091	81.9	0.479	0.512	0.935	-0.005	0.43	-1.2	35.2	35.2	92.0	92.5	-2.5	143.0	143.0	91.0	1.00	0.97	0.00 % R97Y
092	83.5	0.474	0.516	0.919	-0.006	0.43	-2.6	35.8	35.9	94.1	93.2	-5.2	142.2	142.3	92.1	1.00	0.99	0.00 % R99Y
093	84.8	0.47	0.519	0.906	-0.007	0.43	-3.7	36.3	36.5	95.8	93.8	-7.4	140.8	141.0	93.0	0.99	1.00	0.00 % R90G
094	86.0	0.466	0.522	0.893	-0.008	0.43	-4.8	36.7	37.0	97.5	94.3	-9.6	138.9	139.2	93.9	0.97	1.00	0.00 % R92G
095	87.3	0.462	0.524	0.881	-0.009	0.431	-6.0	37.1	37.6	99.2	94.8	-11.9	136.8	137.3	94.9	0.96	1.00	0.00 % R93G
096	88.6	0.457	0.526	0.868	-0.011	0.431	-7.2	37.5	38.2	100.9	95.4	-14.1	134.5	135.3	96.0	0.94	1.00	0.00 % R95G
097	89.8	0.453	0.528	0.857	-0.013	0.431	-8.3	37.9	38.8	102.6	95.9	-16.3	132.3	133.3	96.0	0.93	1.00	0.00 % R96G
098	91.1	0.448	0.53	0.845	-0.015	0.432	-9.5	38.2	39.4	104.4	96.4	-18.5	130.2	131.2	96.0	0.91	1.00	0.00 % R98G
099	92.0	0.444	0.53	0.836	-0.018	0.432	-10.4	38.3	39.7	105.2	96.8	-20.2	128.6	128.0	96.0	0.9	1.00	0.00 % R99G
100	93.8	0.445	0.526	0.846	-0.021	0.426	-9.8	38.8	40.0	104.1	97.5	-18.6	126.3	125.0	98.5	0.89	1.00	0.00 % Y10G
101	93.8	0.435	0.529	0.822	-0.026	0.429	-12.0	38.4	40.2	107.3	97.5	-23.0	119.1	121.3	100.9	0.87	1.00	0.00 % Y12G
102	93.4	0.432	0.532	0.813	-0.026	0.431	-12.8	38.2	40.2	108.5	97.3	-24.7	118.5	121.0	101.8	0.86	1.00	0.00 % Y13G
103	92.9	0.429	0.534	0.804	-0.027	0.434	-13.6	37.9	40.3	109.7	97.2	-26.4	117.9	120.8	102.6	0.84	1.00	0.00 % Y15G
104	92.5	0.426	0.536	0.794	-0.027	0.436	-14.4	37.9	40.4	110.8	97.0	-28.2	117.3	120.6	103.5	0.83	1.00	0.00 % Y16G
105	92.0	0.423	0.539	0.785	-0.027	0.441	-15.2	37.5	40.5	111.9	96.8	-30.0	116.7	120.5	104.4	0.81	1.00	0.00 % Y18G
106	91.5	0.419	0.541	0.775	-0.028	0.443	-16.0	37.2	40.6	113.0	96.8	-31.8	116.1	120.4	105.3	0.8	1.00	0.00 % Y19G
107	91.0	0.416	0.544	0.765	-0.028	0.447	-16.8	37.0	40.7	114.4	96.4	-33.8	115.4	120.3	106.3	0.79	1.00	0.00 % Y20G
108	90.5	0.412	0.547	0.754	-0.029	0.451	-17.7	36.8	40.8	115.7	96.2	-35.7	114.8	120.2	107.3	0.77	1.00	0.00 % Y22G
109	90.0	0.409	0.549	0.744	-0.029	0.455	-18.5	36.5	40.9	116.9	96.0	-37.7	114.2	120.2	108.3	0.76	1.00	0.00 % Y23G
110	89.5	0.405	0.552	0.733	-0.03	0.459	-19.4	36.2	41.1	118.1	95.8	-39.8	113.5	120.3	109.3	0.74	1.00	0.00 % Y25G
111	88.9	0.401	0.555	0.722	-0.03	0.464	-20.2	36.0	41.3	119.3	95.5	-41.9	112.8	120.8	110.3	0.73	1.00	0.00 % Y26G
112	88.4	0.397	0.558	0.712	-0.031	0.469	-21.0	35.7	41.5	120.5	95.3	-44.0	112.1	120.5	111.4	0.71	1.00	0.00 % Y28G
113	87.8	0.393	0.561	0.701	-0.031	0.474	-21.8	35.4	41.6	121.6	95.1	-46.1	111.4	120.5	112.4	0.7	1.00	0.00 % Y29G
114	87.2	0.389	0.564	0.69	-0.032	0.479	-22.7	35.2	41.8	122.8	94.8	-48.3	110.8	120.8	113.5	0.69	1.00	0.00 % Y30G
115	86.7	0.385	0.567	0.679	-0.032	0.485	-23.5	34.9	42.1	123.9	94.6	-50.5	110.1	121.1	114.6	0.67	1.00	0.00 % Y32G
116	86.1	0.381	0.57	0.668	-0.033	0.491	-24.3	34.6	42.3	125.0	94.3	-52.7	109.3	121.4	115.7	0.66	1.00	0.00 % Y33G
117	85.5	0.377	0.573	0.657	-0.034	0.497	-25.0	34.3	42.5	126.1	94.1	-54.9	108.6	121.7	116.8	0.64	1.00	0.00 % Y35G
118	84.9	0.372	0.577	0.646	-0.034	0.503	-25.8	34.0	42.7	127.1	93.8	-57.1	107.9	122.1	117.8	0.63	1.00	0.00 % Y36G
119	84.3	0.368	0.58	0.635	-0.035	0.509	-26.5	33.7	42.9	128.2	93.6	-59.3	107.2	122.5	118.9	0.61	1.00	0.00 % Y38G
120	83.8	0.364	0.583	0.624	-0.035	0.515	-27.3	33.4	43.2	129.2	93.3	-61.5	106.5	123.0	120.0	0.6	1.00	0.00 % Y39G
121	83.2	0.359	0.586	0.613	-0.036	0.522	-28.0	33.2	43.4	130.3	93.1	-63.8	105.7	123.5	121.0	0.59	1.00	0.00 % Y40G
122	82.6	0.355	0.589	0.603	-0.037	0.528	-28.7	32.9	43.6	131.4	92.9	-66.0	105.0	124.0	122.0	0.58	1.00	0.00 % Y42G
123	82.0	0.351	0.592	0.592	-0.037	0.535	-29.3	32.6	43.9	131.9	92.5	-68.2	104.3	124.6	123.1	0.56	1.00	0.00 % Y43G
124	81.4	0.346	0.595	0.582	-0.038	0.541	-30.0	32.3	44.1	132.8	92.3	-70.3	103.5	125.2	124.1	0.54	1.00	0.00 % Y45G
125	80.8	0.342	0.598	0.572	-0.039	0.548	-30.6	32.0	44.3	133.6	92.0	-72.5	102.8	125.8	125.1	0.53	1.00	0.00 % Y46G
126	80.3	0.338	0.601	0.561	-0.039	0.554	-31.2	31.7	44.5	134.4	91.8	-74.6	102.1	126.5	126.1	0.51	1.00	0.00 % Y48G
127	79.7	0.333	0.604	0.552	-0.04	0.561	-31.7	31.5	44.7	135.2	91.5	-76.7	101.3	127.1	127.1	0.5	1.00	0.00 % Y49G
128	79.2	0.329	0.607	0.542	-0.041	0.567	-32.3	31.2	44.9	135.9	91.3	-78.8	100.6	127.8	128.0	0.48	1.00	0.00 % Y51G
129	78.6	0.325	0.61	0.532	-0.042	0.574	-32.8	30.9	45.1	136.7	91.0	-81.0	99.8	128.6	128.0	0.47	1.00	0.00 % Y52G
130	77.7	0.318	0.614	0.519	-0.043	0.581	-33.5	30.6	45.3	137.7	90.8	-83.9	99.5	129.4	130.4	0.46	1.00	0.00 % Y53G
131	76.9	0.312	0.617	0.506	-0.045	0.591	-34.1	30.0	45.4	138.6	90.2	-86.7	97.2	130.2	131.7	0.44	1.00	0.00 % Y55G
132	76.1	0.307	0.62	0.494	-0.046	0.599	-34.6	29.6	45.6	139.5	89.9	-89.2	95.9	131.0	132.9	0.43	1.00	0.00 % Y56G
133	75.3	0.301	0.623	0.483	-0.048	0.606	-35.1	29.2	45.7	140.2	89.5	-91.6	94.7	131.8	134.0	0.41	1.00	0.00 % Y58G
134	74.6	0.296	0.625	0.473	-0.049	0.613	-35.5	28.8	45.7	141.0	89.2	-93.9	93.4	132.5	135.1	0.4	1.00	0.00 % Y59G
135	73.9	0.291	0.627	0.464	-0.051	0.619	-35.9	28.4	45.8	141.8	88.9	-96.0	92.2	133.1	136.1	0.38	1.00	0.00 % Y61G
136	73.3	0.286	0.629	0.455	-0.052	0.625	-36.2	28.0	45.8	142.2	88.5	-98.0	91.0	133.7	137.1	0.37	1.00	0.00 % Y62G
137	72.6	0.282	0.631	0.447	-0.054	0.633	-36.5	27.6	45.8	142.8	88.2	-100.0	89.8	134.3	138.0	0.36	1.00	0.00 % Y64G
138	72.0	0.278	0.632	0.439	-0.056	0.636	-36.8	27.3	45.8	143.4	87.9	-101.6	88.6	134.8	138.3	0.34	1.00	0.00 % Y65G
139	71.4	0.274	0.633	0.432	-0.058	0.641	-37.0	26.9	45.8	143.9	87.7	-103.2	87.4	135.2	139.3	0.33	1.00	0.00 % Y66G
140	70.9	0.27	0.634	0.425	-0.059	0.645	-37.2	26.6	45.7	144.3	87.4	-104.7	86.3	135.6	140.4	0.31	1.00	0.00 % Y68G
141	70.3	0.266	0.635	0.419	-0.061	0.649	-37.3	26.3	45.7	144.8	87.1	-106.1	85.1	136.0	141.2	0.3	1.00	0.00 % Y69G
142	69.8	0.262	0.635	0.413	-0.063	0.653	-37.5	25.9	45.5	145.3	86.9	-107.5	83.9	136.4	142.0	0.28	1.00	0.00 % Y71G
143	69.0	0.256	0.636	0.403	-0.067	0.659	-37.7	25.4	45.5	146.0	86.5	-109.7	81.9	136.9	143.2	0.27	1.00	0.00 % Y72G
144	68.3	0.251	0.636	0.395	-0.07	0.664	-37.9	24.9	45.3	146.6	86.1	-111.7	80.0	137.4	144.3	0.26	1.00	0.00 % Y73G
145	67.6	0.246	0.635	0.387	-0.074	0.668	-38.0	24.4	45.2	147.3	85.8	-113.4	78.2	137.7	145.4	0.24	1.00	0.00 % Y75G
146	67.0	0.241	0.634	0.38	-0.077	0.672	-38.1	23.9	45.0	147.8	85.5	-114.9	76.3	138.1	146.3	0.23	1.00	0.00 % Y76G
147	66.4	0.237	0.632	0.375	-0.081	0.675	-38.2	23.5	44.8	148.4	85.2	-116.2	74.5	138.1	147.3	0.21	1.00	0.00 % Y78G
148	65.9	0.233	0.631	0.37	-0.085	0.677	-38.2	23.0	44.6	148.9	84.9	-117.4	72.7	138.1	148.2	0.2	1.00	0.00 % Y79G
149	65.4	0.229	0.628	0.365	-0.09	0.679	-38.2	22.6	44.4	149.4	84.8							

rgb _{cab} - und CIE-Daten eines Elementar-Bunttonkreises nach CIE RI-47 für Ostwald-Farben für CIE-Lichtart D65																										
Yxy, abc _{AB} , ABC _{AB} , LabC _{ab} h _{AB} -Daten zu relative Stufung des Elementarbunttons h _{AB} von CIELAB für CIE-2-Grad Beobachter																										
Elementar-Bunttonkreise mit 4 Ziel-Elementar-Bunttonwinkeln: h _{AB} = 25,6, 94, 162,1, 271,5 von CIELAB und 90 Ziel-Bunttonwinkeln:																										
180, 181, ..., 269, CIELAB-Daten CIE-Testfarben 9 (R): 40.0 58.9 28.3, 10 (Y): 81.3 -3.0 71.8, 11 (G): 52.2 -42.3 13.6, 12 (B): 30.5 1.2 -46.3																										
no.	ab	Y	x	y	a	b	C _{AB}	A	B	C _{AB}	h _{AB}	L*	a*	b*	C* _{ab}	h _{ab}	rgb _{cab}	Code _{ab}								
180	59.2	0.168	0.394	0.416	-0.423	0.534	-31.6	0.7	31.6	178.6	81.4	-	-100.9	0.5	190.9	179.0	0.00	1.00	0.32	0.618						
181	59.1	0.168	0.397	0.422	-0.436	0.538	-31.2	0.8	31.2	180.0	81.3	-	-99.4	0.0	99.4	180.0	0.00	1.00	0.34	0.617						
182	59.1	0.167	0.391	0.427	-0.449	0.522	-30.9	-0.8	30.9	181.5	81.3	-	-98.0	-1.7	98.0	181.0	0.00	1.00	0.36	0.618						
183	59.1	0.167	0.386	0.433	-0.462	0.517	-30.5	-1.6	30.5	183.0	81.3	-	-96.5	-3.4	96.6	182.0	0.00	1.00	0.38	0.619						
184	59.0	0.167	0.38	0.439	-0.476	0.512	-30.1	-2.4	30.2	184.5	81.3	-	-95.0	-5.0	95.2	183.0	0.00	1.00	0.39	0.619						
185	59.0	0.166	0.374	0.445	-0.489	0.507	-29.8	-3.2	29.9	186.1	81.3	-	-93.6	-6.7	93.8	184.0	0.00	1.00	0.41	0.620						
186	59.0	0.166	0.368	0.451	-0.503	0.503	-29.4	-4.0	29.7	187.7	81.3	-	-92.1	-8.3	92.5	185.1	0.00	1.00	0.43	0.621						
187	58.9	0.166	0.363	0.457	-0.517	0.499	-29.0	-4.8	29.4	189.4	81.2	-	-90.6	-9.9	91.2	186.2	0.00	1.00	0.45	0.622						
188	58.9	0.166	0.358	0.463	-0.531	0.496	-28.7	-5.6	29.2	191.1	81.2	-	-89.2	-11.5	89.7	187.3	0.00	1.00	0.47	0.623						
189	58.9	0.165	0.352	0.469	-0.545	0.493	-28.3	-6.4	29.0	192.8	81.2	-	-87.7	-13.0	88.7	188.4	0.00	1.00	0.49	0.624						
190	58.9	0.165	0.347	0.475	-0.559	0.49	-27.9	-7.3	28.8	194.6	81.2	-	-86.3	-14.5	87.5	189.5	0.00	1.00	0.5	0.625						
191	58.8	0.165	0.343	0.481	-0.573	0.488	-27.5	-8.1	28.7	196.3	81.2	-	-84.9	-16.0	86.4	190.7	0.00	1.00	0.52	0.626						
192	58.8	0.165	0.338	0.487	-0.587	0.487	-27.2	-8.9	28.6	198.1	81.2	-	-83.5	-17.5	85.3	191.8	0.00	1.00	0.54	0.627						
193	58.8	0.164	0.333	0.493	-0.6	0.485	-26.8	-9.7	28.5	199.8	81.1	-	-82.2	-18.9	84.3	192.9	0.00	1.00	0.56	0.628						
194	58.7	0.164	0.328	0.5	-0.616	0.485	-26.4	-10.6	28.4	201.8	81.1	-	-80.6	-20.5	83.2	194.2	0.00	1.00	0.58	0.629						
195	58.6	0.164	0.323	0.507	-0.631	0.484	-26.0	-11.5	28.4	203.8	81.1	-	-79.0	-22.1	82.0	195.6	0.00	1.00	0.6	0.630						
196	58.6	0.164	0.319	0.513	-0.646	0.485	-25.5	-12.3	28.4	205.8	81.0	-	-77.5	-23.5	81.0	196.8	0.00	1.00	0.61	0.630						
197	58.5	0.163	0.315	0.52	-0.66	0.485	-25.2	-13.1	28.4	207.6	81.0	-	-76.1	-24.9	80.1	198.1	0.00	1.00	0.63	0.631						
198	58.5	0.163	0.311	0.525	-0.673	0.486	-24.8	-13.9	28.4	209.2	81.0	-	-74.8	-26.1	79.2	199.2	0.00	1.00	0.65	0.632						
199	58.4	0.163	0.308	0.531	-0.685	0.488	-24.4	-14.6	28.5	210.8	80.9	-	-73.6	-27.3	78.5	200.3	0.00	1.00	0.67	0.633						
200	58.3	0.163	0.304	0.536	-0.697	0.489	-24.1	-15.2	28.5	212.3	80.9	-	-72.4	-28.3	77.8	201.3	0.00	1.00	0.69	0.634						
201	58.3	0.163	0.302	0.541	-0.707	0.491	-23.8	-15.8	28.6	213.6	80.9	-	-71.4	-29.3	77.1	202.3	0.00	1.00	0.71	0.635						
202	58.3	0.163	0.299	0.546	-0.716	0.492	-23.5	-16.3	28.7	214.8	80.9	-	-70.4	-30.1	76.6	203.1	0.00	1.00	0.72	0.636						
203	58.2	0.163	0.297	0.551	-0.725	0.493	-23.0	-16.8	28.7	216.0	80.8	-	-69.5	-30.9	76.1	203.9	0.00	1.00	0.73	0.637						
204	58.2	0.163	0.295	0.554	-0.732	0.495	-23.0	-17.2	28.8	216.8	80.8	-	-68.7	-31.6	75.6	204.6	0.00	1.00	0.76	0.638						
205	58.2	0.163	0.293	0.557	-0.738	0.496	-22.8	-17.6	28.9	217.6	80.8	-	-68.0	-32.1	75.2	205.3	0.00	1.00	0.78	0.639						
206	58.6	0.164	0.292	0.563	-0.741	0.493	-22.6	-17.9	28.9	218.3	81.1	-	-66.9	-32.5	74.3	205.9	0.00	1.00	0.8	0.640						
207	57.5	0.162	0.289	0.562	-0.756	0.503	-22.3	-18.4	28.9	219.6	80.4	-	-66.6	-33.6	74.6	206.7	0.00	1.00	0.82	0.641						
208	56.2	0.16	0.286	0.561	-0.773	0.515	-22.1	-18.9	28.9	221.0	79.7	-	-66.3	-34.8	74.9	207.7	0.00	1.00	0.83	0.641						
209	54.9	0.158	0.282	0.56	-0.792	0.528	-21.4	-19.6	29.0	222.5	78.9	-	-66.0	-36.2	75.3	208.7	0.00	1.00	0.85	0.642						
210	53.5	0.155	0.278	0.559	-0.813	0.543	-20.9	-20.2	29.0	224.0	78.1	-	-65.6	-37.6	75.6	209.7	0.00	1.00	0.87	0.643						
211	52.0	0.153	0.274	0.558	-0.835	0.55	-20.4	-20.8	29.1	225.6	77.3	-	-65.2	-39.0	76.0	210.8	0.00	1.00	0.89	0.644						
212	50.7	0.15	0.269	0.557	-0.858	0.577	-19.9	-21.4	29.2	227.1	76.5	-	-64.8	-40.7	76.4	211.9	0.00	1.00	0.91	0.645						
213	49.3	0.148	0.265	0.557	-0.881	0.594	-19.4	-22.0	29.3	228.5	75.6	-	-64.4	-41.8	76.8	213.0	0.00	1.00	0.92	0.646						
214	48.2	0.146	0.262	0.558	-0.902	0.609	-18.9	-22.5	29.4	229.9	74.9	-	-63.7	-43.0	76.9	214.0	0.00	1.00	0.94	0.647						
215	47.2	0.144	0.258	0.559	-0.921	0.623	-18.4	-22.9	29.4	231.2	74.3	-	-63.0	-44.2	76.9	215.0	0.00	1.00	0.96	0.648						
216	46.2	0.143	0.255	0.561	-0.94	0.637	-17.9	-23.3	29.4	232.3	73.7	-	-62.1	-45.2	76.9	216.0	0.00	1.00	0.98	0.649						
217	45.4	0.142	0.252	0.564	-0.958	0.65	-17.5	-23.7	29.5	233.5	73.1	-	-61.3	-46.2	76.7	216.9	0.00	0.99	1.00	0.650						
218	44.5	0.141	0.249	0.566	-0.976	0.662	-17.0	-24.0	29.5	234.6	72.6	-	-60.4	-47.1	76.6	217.9	0.00	0.97	1.00	0.651						
219	43.7	0.14	0.246	0.569	-0.993	0.675	-16.6	-24.4	29.5	235.6	72.0	-	-59.5	-48.0	76.5	218.8	0.00	0.96	1.00	0.652						
220	42.9	0.139	0.243	0.571	-1.01	0.687	-16.2	-24.7	29.6	236.7	71.4	-	-58.6	-48.9	76.4	219.7	0.00	0.94	1.00	0.653						
221	42.1	0.138	0.24	0.575	-1.031	0.703	-15.8	-25.1	29.6	237.8	71.0	-	-57.7	-49.9	76.3	220.8	0.00	0.92	1.00	0.653						
222	41.3	0.137	0.237	0.578	-1.05	0.718	-15.3	-25.4	29.7	238.8	70.4	-	-56.7	-50.8	76.2	221.8	0.00	0.9	1.00	0.654						
223	40.6	0.136	0.234	0.582	-1.07	0.734	-14.9	-25.8	29.8	239.9	69.9	-	-55.7	-51.7	76.0	222.9	0.00	0.88	1.00	0.655						
224	39.8	0.135	0.231	0.586	-1.091	0.75	-14.4	-26.1	29.8	240.9	69.3	-	-54.6	-52.7	75.9	223.9	0.00	0.86	1.00	0.656						
225	39.3	0.135	0.229	0.589	-1.105	0.761	-14.2	-26.3	29.9	241.6	68.8	-	-53.9	-53.3	75.8	224.6	0.00	0.85	1.00	0.657						
226	38.7	0.134	0.227	0.591	-1.12	0.773	-13.9	-26.5	30.0	242.3	68.6	-	-53.2	-54.0	75.8	225.4	0.00	0.83	1.00	0.658						
227	38.2	0.134	0.225	0.595	-1.136	0.786	-13.5	-26.8	30.0	243.3	68.2	-	-52.4	-54.7	75.7	226.2	0.00	0.81	1.00	0.659						
228	37.6	0.133	0.222	0.599	-1.154	0.8	-13.2	-27.0	30.1	244.3	67.7	-	-51.4	-55.4	75.6	227.1	0.00	0.79	1.00	0.660						
229	37.0	0.133	0.22	0.603	-1.174	0.816	-12.8	-27.3	30.2	244.8	67.2	-	-50.3	-56.2	75.5	228.0	0.00	0.77	1.00	0.661						
230	36.3	0.132	0.217	0.609	-1.197	0.834	-12.																			

rgb* _{cab} und CIE-Daten eines Elementar-Bunttonkreises nach CIE R1-47 für Ostwald-Farben für CIE-Lichtart D65																			
Yxy, cab _{AB} , ABC _{AB} , LabC* _{ab} h _{ab} -Daten für relative Stufung des Elementarbunttons h _{ab} von CIELAB für CIE-2-Grad Beobachter																			
Elementar-Bunttonkreise mit 4 Ziel-Elementar-Bunttonwinkeln: h _{ab} = 25,6, 92,4, 162,1, 271,5 von CIELAB und 90 Ziel-Bunttonwinkeln:																			
270, 271, ..., 360, CIELAB-Daten CIE-Testfarben 9 (R): 40,0 58,9 28,3, 10 (Y): 81,3 * 30 71,8, 11 (G): 52,2 -42,3 13,6, 12 (B): 30,5 1,2 -46,3																			
no.	ab	Y	x	y	a	b	C _{ab}	A	B	C _{AB}	h _{ab}	L*	a*	b*	C*	h _{ab}	rgb*	ab	Code
270	19	2	0.127	0.132	0.961	-2.238	1.893	0.2	-34.7	34.7	270.3	51.0	1.1	-83.8	83.8	270.7	0.00	0.02	1.00 % G98B
271	18	x	0.127	0.13	0.974	-2.272	1.837	0.4	-34.8	34.8	270.7	50.6	2.4	-84.4	84.4	271.6	0.00	0.	1.00 % G99B
272	18	6	0.127	0.128	0.987	-2.307	1.817	0.6	-34.9	34.9	271.1	50.3	3.7	-84.4	85.0	272.4	0.0	0.00	1.00 % B00R
273	18	4	0.127	0.127	1.0	-2.341	1.906	0.9	-35.0	35.1	271.5	49.9	4.9	-85.5	85.6	273.3	0.02	0.00	1.00 % B01R
274	18	1	0.127	0.125	1.014	-2.375	1.94	1.1	-35.1	35.2	271.8	49.6	6.1	-86.6	86.2	274.1	0.04	0.00	1.00 % B02R
275	17	8	0.127	0.123	1.03	-2.419	1.985	1.4	-35.3	35.3	272.3	49.2	7.7	-86.7	87.1	275.0	0.06	0.00	1.00 % B03R
276	17	4	0.127	0.121	1.05	-2.471	2.038	1.7	-35.4	35.5	272.8	48.7	9.5	-87.5	88.0	276.1	0.07	0.00	1.00 % B04R
277	0	4	0.127	0.119	1.08	-2.521	2.098	2.0	-35.6	35.6	273.2	48.3	11.1	-88.2	88.9	277.2	0.09	0.00	1.00 % B05R
278	16	17	0.127	0.117	1.089	-2.577	2.139	2.3	-35.7	35.7	273.7	47.8	12.8	-89.2	89.8	278.2	0.10	0.00	1.00 % B06R
279	16	4	0.128	0.115	1.108	-2.618	2.188	2.6	-35.8	35.9	274.1	47.5	14.4	-89.6	90.7	279.1	0.13	0.00	1.00 % B06R
280	16	1	0.128	0.113	1.128	-2.667	2.238	2.8	-35.9	36.1	274.4	47.1	16.0	-90.3	91.7	280.0	0.14	0.00	1.00 % B07R
281	15	8	0.128	0.111	1.149	-2.717	2.29	3.1	-36.1	36.2	274.9	46.7	17.6	-90.9	92.6	280.9	0.16	0.00	1.00 % B08R
282	15	5	0.128	0.109	1.171	-2.769	2.344	3.4	-36.2	36.3	275.4	46.3	19.3	-91.6	93.6	281.9	0.18	0.00	1.00 % B09R
283	15	1	0.129	0.107	1.195	-2.826	2.403	3.7	-36.3	36.5	275.8	45.8	21.2	-92.3	94.7	282.9	0.2	0.00	1.00 % B10R
284	14	8	0.129	0.105	1.222	-2.888	2.468	4.0	-36.4	36.6	276.3	45.4	23.1	-93.0	95.9	283.9	0.21	0.00	1.00 % B11R
285	14	4	0.129	0.103	1.252	-2.949	2.542	4.3	-36.5	36.8	276.8	44.9	25.3	-93.9	97.2	284.9	0.23	0.00	1.00 % B12R
286	13	9	0.13	0.101	1.282	-3.011	2.618	4.6	-36.6	36.9	277.3	44.4	27.7	-94.8	98.8	285.9	0.26	0.00	1.00 % B13R
287	13	7	0.13	0.098	1.322	-3.121	2.712	5.0	-36.8	37.1	277.8	43.8	29.9	-95.7	100.2	287.3	0.27	0.00	1.00 % B13R
288	13	3	0.13	0.096	1.36	-3.21	2.804	5.4	-36.9	37.3	278.3	43.2	32.4	-96.6	101.9	288.5	0.28	0.00	1.00 % B14R
289	12	9	0.131	0.093	1.4	-3.303	2.902	5.8	-37.0	37.5	278.9	42.6	34.8	-97.5	103.6	289.6	0.3	0.00	1.00 % B15R
290	12	5	0.131	0.091	1.442	-3.401	3.005	6.1	-37.2	37.7	279.4	42.0	37.3	-98.5	105.3	290.7	0.32	0.00	1.00 % B16R
291	12	1	0.132	0.088	1.486	-3.503	3.114	6.5	-37.3	37.8	279.9	41.4	39.8	-99.4	107.1	291.8	0.34	0.00	1.00 % B17R
292	11	7	0.132	0.086	1.532	-3.609	3.226	6.8	-37.4	38.0	280.3	40.8	42.3	-100.4	108.9	292.8	0.35	0.00	1.00 % B17R
293	10	9	0.133	0.084	1.58	-3.719	3.339	7.2	-37.5	38.2	280.8	40.3	44.8	-101.4	110.8	293.8	0.37	0.00	1.00 % B18R
294	10	5	0.133	0.081	1.632	-3.833	3.456	7.5	-37.6	38.3	281.3	39.7	47.2	-102.2	112.6	294.8	0.39	0.00	1.00 % B19R
295	10	7	0.133	0.079	1.68	-3.95	3.589	7.8	-37.7	38.5	281.7	39.1	49.7	-103.1	114.5	295.7	0.41	0.00	1.00 % B20R
296	10	4	0.134	0.077	1.732	-4.069	3.716	8.1	-37.8	38.7	282.1	38.5	52.1	-104.0	116.4	296.6	0.42	0.00	1.00 % B21R
297	10	1	0.134	0.075	1.785	-4.19	3.846	8.4	-37.9	38.8	282.5	38.0	54.4	-104.9	118.2	297.4	0.44	0.00	1.00 % B22R
298	9	8	0.135	0.073	1.839	-4.312	3.977	8.7	-38.0	39.0	282.9	37.4	56.7	-105.8	120.0	298.2	0.46	0.00	1.00 % B23R
299	9	4	0.135	0.071	1.906	-4.465	4.141	9.0	-38.1	39.1	283.3	36.8	59.4	-106.8	122.2	299.1	0.48	0.00	1.00 % B24R
300	8	9	0.136	0.067	2.013	-4.707	4.401	9.5	-38.2	39.3	283.8	35.8	63.6	-108.3	125.6	300.4	0.49	0.00	1.00 % B24R
301	8	5	0.136	0.064	2.064	-4.925	4.637	9.9	-38.3	39.5	284.5	35.0	67.1	-109.5	128.4	301.4	0.51	0.00	1.00 % B25R
302	8	1	0.137	0.062	2.202	-5.173	4.852	10.2	-38.4	39.6	285.0	34.3	70.8	-110.6	131.2	302.3	0.53	0.00	1.00 % B26R
303	7	8	0.138	0.06	2.287	-5.31	5.055	10.5	-38.5	39.8	285.3	33.7	72.9	-111.5	133.2	303.1	0.55	0.00	1.00 % B27R
304	7	2	0.136	0.056	2.409	-5.715	5.477	10.6	-38.5	39.9	285.4	32.4	75.9	-113.5	136.5	303.7	0.56	0.00	1.00 % B28R
305	6	4	0.131	0.05	2.589	-6.422	6.297	10.5	-38.7	40.1	285.3	30.5	79.6	-116.5	141.1	304.3	0.58	0.00	1.00 % B29R
306	6	0	0.131	0.047	2.758	-6.887	6.7	10.8	-38.7	40.2	285.6	29.4	83.4	-118.2	144.7	305.2	0.6	0.00	1.00 % B30R
307	6	0	0.138	0.048	2.878	-6.779	6.629	11.7	-38.5	40.2	286.9	29.5	87.7	-117.6	146.7	306.7	0.62	0.00	1.00 % B31R
308	6	4	0.146	0.05	2.886	-6.338	6.212	12.5	-38.2	40.2	288.1	30.5	90.0	-115.7	146.6	307.8	0.63	0.00	1.00 % B31R
309	6	8	0.153	0.053	2.876	-5.951	5.844	13.2	-38.0	40.2	289.9	31.5	91.3	-114.0	146.1	308.7	0.65	0.00	1.00 % B32R
310	6	18	0.156	0.052	2.856	-5.564	5.437	14.0	-37.8	40.2	291.7	32.5	92.6	-112.2	145.6	309.7	0.67	0.00	1.00 % B33R
311	7	8	0.168	0.059	2.836	-5.207	5.13	14.8	-37.5	40.3	291.5	33.7	94.1	-110.2	145.0	310.5	0.69	0.00	1.00 % B34R
312	8	4	0.176	0.062	2.815	-4.857	4.799	15.7	-37.2	40.4	292.8	34.8	95.6	-108.2	144.3	311.4	0.7	0.00	1.00 % B35R
313	9	0	0.184	0.066	2.794	-4.527	4.487	16.6	-36.9	40.5	294.2	36.0	97.0	-106.0	143.7	312.4	0.72	0.00	1.00 % B36R
314	9	6	0.193	0.069	2.771	-4.215	4.196	17.6	-36.6	40.6	295.7	37.2	98.4	-103.8	143.1	313.4	0.74	0.00	1.00 % B37R
315	10	3	0.202	0.073	2.748	-3.925	3.925	18.6	-36.2	40.7	297.2	38.5	99.8	-101.8	142.4	314.4	0.76	0.00	1.00 % B38R
316	11	0	0.211	0.077	2.724	-3.654	3.675	19.7	-35.8	40.9	298.8	39.8	101.1	-99.3	141.8	315.5	0.77	0.00	1.00 % B38R
317	11	8	0.221	0.081	2.7	-3.405	3.446	20.9	-35.5	41.2	300.5	41.1	102.5	-97.0	141.1	316.5	0.77	0.00	1.00 % B39R
318	12	8	0.23	0.085	2.676	-3.174	3.237	22.1	-35.0	41.4	302.2	42.4	103.9	-94.6	140.5	317.6	0.81	0.00	1.00 % B40R
319	13	7	0.239	0.09	2.652	-2.963	3.047	23.3	-34.6	41.7	303.9	43.8	105.2	-92.2	139.9	318.7	0.83	0.00	1.00 % B41R
320	14	6	0.249	0.094	2.628	-2.769	2.874	24.5	-34.1	42.1	305.7	45.1	106.4	-89.8	139.3	319.8	0.84	0.00	1.00 % B42R
321	15	6	0.258	0.099	2.605	-2.592	2.718	25.8	-33.7	42.4	307.5	46.4	107.6	-87.5	138.7	320.8	0.86	0.00	1.00 % B43R
322	16	6	0.267	0.103	2.582	-2.431	2.578	27.1	-33.2	42.9	309.2	47.8	108.7	-85.1	138.1	321.9	0.88	0.00	1.00 % B44R
323	17	6	0.276	0.107	2.56	-2.284	2.511	28.4	-32.7	43.3	311.0	49.1	109.8	-82.8	137.5	322.9	0.9	0.00	1.00 % B45R
324	18	7	0.284	0.112	2.538	-2.151	2.337	29.8	-32.2	43.8	312.7	50.4	110.9	-80.4	137.0	324.0	0.91	0.00	1.00 % B45R
325	19	8	0.292	0.116	2.516	-2.03	2.235	31.1	-31.6	44.4	314.4	51.6	111.8	-78.2	136.5	325.0	0.93	0.00	1.00 % B46R
326	20	9	0.3	0.12	2.496	-1.922	2.143	32.4	-31.1	44.9	316.3	52.0	112.7	-76.0	136.0	326.0	0.95	0.00	1.00 % B47R

Ostwald-Optimalfarben (o) von maximalem (m) C _{AB} für D65, Y _{w,10} =100, Y _m =520_770, CIELAB-Daten														%
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		%	
0 405	31 556	79.94	-66.31	-34.08	74.56	0.1807	-0.1034	207.2	15 476	37 585	Cm		%	
6 435	31 557	80.42	-82.6	-17.8	84.5	0.1724	-0.0949	192.1	16 480	44 621			%	
10 450	31 559	80.48	-108.29	14.97	109.32	0.1591	-0.078	172.1	18 491	-1 491c			%	
11 460	32 562	81.44	-111.37	27.39	114.69	0.1581	-0.0717	166.1	19 498	-1 498c			%	
12 465	33 565	82.34	-112.77	40.26	119.75	0.1579	-0.0653	160.3	21 506	-1 506c			%	
14 470	34 570	83.48	-109.79	65.41	127.8	0.1601	-0.053	149.2	24 522	-1 522c			%	
15 475	35 579	86.33	-94.64	81.3	124.77	0.169	-0.0462	139.3	26 533	-1 533c	Gm		%	
16 480	41 606	92.55	-53.33	102.14	115.22	0.1907	-0.0389	117.5	30 550	-1 550c			%	
16 485	-1 484c	96.94	-20.21	109.71	111.55	0.2063	-0.0374	100.4	32 560	10 454			%	
18 490	-1 490c	95.61	-14.83	124.45	125.34	0.2086	-0.0302	96.7	32 562	11 459	max		%	
19 495	-1 495c	94.76	-11.22	130.34	130.82	0.2101	-0.0271	94.9	32 563	12 461			%	
19 500	-1 499c	94.76	-11.22	130.34	130.82	0.2101	-0.0271	94.9	32 563	12 461			%	
22 510	-1 510c	91.28	2.92	142.55	142.58	0.2166	-0.0195	88.8	33 567	13 466			%	
23 520	-1 519c	89.77	8.54	144.07	144.32	0.2192	-0.0174	86.6	33 568	13 468	Ym		%	
26 530	-1 530c	84.06	27.32	142.33	144.93	0.2288	-0.0115	79.1	34 573	14 472			%	
27 540	-1 539c	81.79	33.86	139.63	143.68	0.2325	-0.0095	76.3	35 576	14 473			%	
28 545	-1 544c	79.35	40.37	136.19	142.05	0.2363	-0.0075	73.4	35 578	14 474			%	
29 550	-1 549c	76.75	46.79	132.12	140.16	0.2404	-0.0054	70.4	36 580	15 475			%	
31 555	-1 555c	71.13	58.79	122.64	136.0	0.2489	0.0	64.3	37 586	15 476			%	
32 560	10 451	69.5	84.42	-15.9	85.9	0.2645	-0.095	349.3	-1 492c	18 492			%	
380	770	100.0	0.0	0.0	0.0	0.2152	-0.0857	0.0					%	
Ostwald-Optimalfarben (o) von maximalem (m) C _{AB} für D65, Y _{w,10} =100, Y _m =770_520, CIELAB komplementär														%
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		%	
31 556	0 405	71.84	57.81	111.35	125.47	0.2481	-0.0221	62.5	37 585	15 476	Rm		%	
31 557	6 435	71.27	68.77	29.56	74.85	0.2546	-0.0689	23.2	44 621	16 480			%	
31 559	10 450	71.19	81.9	-15.15	83.29	0.2621	-0.0944	349.5	-1 491c	18 491			%	
32 562	11 460	69.98	86.63	-25.22	90.23	0.2655	-0.1003	343.7	-1 498c	19 498			%	
33 565	12 465	68.81	90.56	-33.85	96.68	0.2685	-0.1056	339.5	-1 506c	21 506			%	
34 570	14 470	67.22	93.6	-46.01	104.3	0.2714	-0.1132	333.8	-1 522c	24 522			%	
35 579	15 475	62.81	97.27	-56.68	112.58	0.2768	-0.1215	329.7	-1 533c	26 533	Mm		%	
41 606	16 480	49.57	94.8	-81.7	125.15	0.2874	-0.1477	319.2	-1 550c	30 550			%	
-1 484c	16 485	33.36	73.3	-109.63	131.88	0.2894	-0.1962	303.7	10 454	32 560			%	
-1 490c	18 490	39.48	47.93	-101.69	112.42	0.2584	-0.1769	295.2	11 459	32 562	min		%	
-1 495c	19 495	42.69	34.2	-96.93	102.79	0.2443	-0.1679	289.4	12 461	32 563			%	
-1 499c	19 500	42.69	34.2	-96.93	102.79	0.2443	-0.1679	289.4	12 461	32 563			%	
-1 510c	22 510	52.84	-7.33	-80.67	81.0	0.2099	-0.144	264.8	13 466	33 567			%	
-1 519c	23 520	56.28	-19.89	-74.95	77.55	0.2014	-0.1373	255.1	13 468	33 568	Bm		%	
-1 530c	26 530	66.39	-49.47	-57.84	76.11	0.1852	-0.1206	229.4	14 472	34 573			%	
-1 539c	27 540	69.54	-55.96	-52.46	76.71	0.1825	-0.1162	223.1	14 473	35 576			%	
-1 544c	28 545	72.53	-60.74	-47.32	77.0	0.1809	-0.1123	217.9	14 474	35 578			%	
-1 549c	29 550	75.38	-63.87	-42.44	76.68	0.1803	-0.1088	213.6	15 475	36 580			%	
-1 555c	31 555	80.53	-65.58	-33.56	73.67	0.1813	-0.103	207.1	15 476	37 586			%	
10 451	32 560	81.82	-103.91	14.76	104.95	0.1621	-0.0782	171.9	18 492	-1 492c			%	
380	770	100.0	0.0	0.0	0.0	0.2152	-0.0857	0.0					%	

rgb_{cab} und CIE-Daten eines Elementar-Bunttonkreises nach CIE R1-47 für Ostwald-Farben für CIE-Lichtart D65

Xyy, abc_{AB}, ABC_{AB}, LabC_{ab} h_{ab}-Daten für relative Stufung des Elementar-bunttons h_{ab} von CIELAB für CIE-10-Grad Beobachter

Elementar-Bunttonkreise mit 4 Ziel-Elementar-Bunttonwinkeln: h_{ab} = 25.9, 87.3, 158.8, 252.1 (in CIELAB und 90 Ziel-Bunttonwinkeln:

000, 001, ..., 089, CIELAB-Daten CIE-Testfarben 9 (R): 39.2 54.5 26.4, 10 (Y): 79.5 3.2 71.0, 11 (G): 52.3 -39.6 15.3, 12 (B): 33.6 -12.8 -39.9

no.	ab ₁₀	x ₁₀	y ₁₀	a ₁₀	b ₁₀	cab ₁₀	A ₁₀	B ₁₀	C _{AB} ₁₀	h _{AB} ₁₀	L ₁₀	a*	b*	C _{ab} ₁₀	h _{ab} ₁₀	rgb _{cab}	Code _{ab} ₁₀		
000	40.0	0.447	0.257	1.737	-0.458	0.789	31.5	-1.1	31.6	357.8	69.4	82.4	-3.2	82.4	357.7	1.00	0.00	0.48	#B75R
001	40.0	0.45	0.259	1.734	-0.445	0.786	31.4	-0.6	31.4	358.8	69.4	82.2	-1.8	82.2	358.7	1.00	0.00	0.46	#B76R
002	40.0	0.454	0.262	1.731	-0.432	0.783	31.3	-0.1	31.3	359.7	69.5	81.9	-0.3	81.9	359.7	1.00	0.00	0.44	#B77R
003	40.0	0.457	0.264	1.728	-0.419	0.78	31.2	0.3	31.2	0.7	69.5	81.7	1.1	81.7	0.7	1.00	0.00	0.42	#B78R
004	40.0	0.461	0.267	1.725	-0.406	0.778	31.1	0.9	31.1	1.6	69.5	81.4	2.6	81.4	1.8	1.00	0.00	0.4	#B79R
005	40.0	0.464	0.269	1.722	-0.393	0.775	31.0	1.4	31.0	2.6	69.5	81.1	4.2	81.3	2.9	1.00	0.00	0.38	#B80R
006	40.0	0.468	0.272	1.719	-0.38	0.773	30.9	1.9	30.9	3.6	69.5	80.8	5.7	81.1	4.0	1.00	0.00	0.36	#B81R
007	40.0	0.472	0.275	1.716	-0.367	0.771	30.7	2.4	30.8	4.5	69.5	80.6	7.4	80.9	5.2	1.00	0.00	0.35	#B82R
008	40.0	0.475	0.277	1.713	-0.354	0.768	30.6	2.9	30.8	5.5	69.5	80.3	9.0	80.8	6.4	1.00	0.00	0.33	#B83R
009	40.1	0.479	0.28	1.709	-0.342	0.766	30.5	3.5	30.7	6.5	69.5	80.0	10.7	80.7	7.6	1.00	0.00	0.31	#B84R
010	40.1	0.483	0.283	1.706	-0.329	0.764	30.4	4.0	30.6	7.5	69.5	79.7	12.4	80.7	8.8	1.00	0.00	0.29	#B85R
011	40.1	0.487	0.286	1.702	-0.316	0.762	30.2	4.5	30.6	8.4	69.5	79.4	14.2	80.7	10.1	1.00	0.00	0.27	#B86R
012	40.1	0.491	0.289	1.699	-0.304	0.761	30.1	5.0	30.5	9.4	69.5	79.1	15.9	80.7	11.4	1.00	0.00	0.25	#B87R
013	40.1	0.494	0.291	1.695	-0.292	0.759	30.0	5.5	30.5	10.4	69.5	78.8	17.7	80.8	12.7	1.00	0.00	0.23	#B88R
014	40.1	0.498	0.294	1.691	-0.279	0.758	29.8	6.0	30.4	11.3	69.6	78.5	19.6	80.9	14.0	1.00	0.00	0.22	#B89R
015	40.2	0.502	0.297	1.687	-0.268	0.757	29.7	6.4	30.4	12.2	69.6	78.2	21.4	81.1	15.3	1.00	0.00	0.2	#B90R
016	40.2	0.506	0.3	1.683	-0.256	0.755	29.5	6.9	30.4	13.2	69.6	77.9	23.3	81.3	16.6	1.00	0.00	0.18	#B90R
017	40.2	0.51	0.303	1.68	-0.244	0.754	29.4	7.4	30.3	14.1	69.6	77.5	25.2	81.5	18.0	1.00	0.00	0.16	#B91R
018	40.2	0.514	0.306	1.676	-0.233	0.753	29.3	7.8	30.3	15.0	69.6	77.2	27.1	81.8	19.3	1.00	0.00	0.14	#B92R
019	40.2	0.517	0.309	1.672	-0.222	0.752	29.1	8.3	30.3	15.9	69.6	76.8	29.0	82.1	20.6	1.00	0.00	0.12	#B93R
020	40.3	0.521	0.312	1.667	-0.211	0.752	29.0	8.7	30.3	16.8	69.6	76.5	30.9	82.5	22.0	1.00	0.00	0.1	#B94R
021	40.3	0.525	0.315	1.663	-0.201	0.751	28.8	9.1	30.2	17.6	69.7	76.1	32.9	82.9	23.4	1.00	0.00	0.09	#B95R
022	40.3	0.528	0.318	1.659	-0.191	0.75	28.7	9.6	30.2	18.5	69.7	75.8	34.9	83.4	24.7	1.00	0.00	0.07	#B96R
023	40.3	0.532	0.321	1.655	-0.181	0.749	28.5	10.0	30.2	19.3	69.7	75.5	36.9	84.0	26.0	1.00	0.00	0.06	#B97R
024	40.4	0.536	0.324	1.651	-0.171	0.748	28.4	10.4	30.2	20.1	69.7	75.0	39.0	84.7	27.4	1.00	0.00	0.03	#B98R
025	40.4	0.539	0.327	1.646	-0.162	0.748	28.2	10.8	30.2	20.9	69.7	74.7	41.0	85.2	28.7	1.00	0.00	0.01	#B99R
026	40.4	0.542	0.33	1.642	-0.152	0.747	28.1	11.1	30.2	21.7	69.8	74.3	43.0	85.9	30.0	1.00	0.00	0.00	#R00Y
027	40.5	0.546	0.333	1.638	-0.144	0.746	27.9	11.5	30.2	22.4	69.8	73.9	45.1	86.6	31.3	1.00	0.01	0.00	#R01Y
028	40.5	0.549	0.336	1.633	-0.135	0.745	27.7	11.9	30.2	23.1	69.8	73.5	47.1	87.4	32.6	1.00	0.03	0.00	#R03Y
029	40.5	0.552	0.339	1.629	-0.127	0.745	27.6	12.2	30.2	23.8	69.8	73.2	49.2	88.2	33.9	1.00	0.05	0.00	#R05Y
030	40.5	0.555	0.342	1.624	-0.119	0.744	27.4	12.5	30.2	24.5	69.8	72.8	51.3	89.1	35.1	1.00	0.06	0.00	#R06Y
031	40.6	0.558	0.344	1.62	-0.112	0.743	27.3	12.8	30.2	25.2	69.9	72.4	53.4	90.0	36.4	1.00	0.08	0.00	#R08Y
032	40.6	0.561	0.347	1.615	-0.104	0.742	27.1	13.1	30.1	25.9	69.9	72.0	55.5	90.9	37.7	1.00	0.09	0.00	#R09Y
033	40.7	0.564	0.35	1.611	-0.097	0.741	26.9	13.4	30.1	26.5	69.9	71.6	57.6	91.9	38.8	1.00	0.11	0.00	#R11Y
034	40.7	0.566	0.352	1.606	-0.091	0.74	26.8	13.7	30.1	27.1	69.9	71.2	59.8	93.0	40.0	1.00	0.13	0.00	#R13Y
035	40.7	0.569	0.355	1.602	-0.084	0.739	26.6	14.0	30.1	27.7	70.0	70.8	61.9	94.1	41.1	1.00	0.14	0.00	#R14Y
036	40.8	0.571	0.357	1.597	-0.078	0.738	26.5	14.3	30.1	28.3	70.0	70.4	64.0	95.2	42.2	1.00	0.16	0.00	#R16Y
037	40.8	0.573	0.36	1.592	-0.072	0.736	26.3	14.5	30.0	28.9	70.0	70.0	66.2	96.3	43.3	1.00	0.18	0.00	#R18Y
038	40.9	0.576	0.362	1.588	-0.067	0.735	26.1	14.8	30.0	29.4	70.1	69.6	68.3	97.5	44.4	1.00	0.19	0.00	#R19Y
039	40.9	0.578	0.365	1.583	-0.062	0.733	26.0	15.0	30.0	30.0	70.1	69.2	70.5	98.6	45.5	1.00	0.21	0.00	#R20Y
040	40.9	0.58	0.367	1.578	-0.057	0.732	25.8	15.2	30.0	30.6	70.1	68.8	72.6	99.6	46.6	1.00	0.22	0.00	#R21Y
041	41.0	0.581	0.369	1.574	-0.052	0.73	25.6	15.4	29.9	31.0	70.1	68.4	74.8	101.3	47.5	1.00	0.24	0.00	#R24Y
042	41.0	0.583	0.371	1.569	-0.048	0.728	25.5	15.6	29.9	31.5	70.2	67.9	76.9	102.6	48.5	1.00	0.26	0.00	#R26Y
043	41.1	0.584	0.373	1.564	-0.044	0.727	25.3	15.8	29.9	31.9	70.2	67.5	79.0	104.0	49.4	1.00	0.27	0.00	#R27Y
044	41.1	0.586	0.375	1.56	-0.04	0.725	25.1	16.0	29.8	32.4	70.2	67.1	81.2	105.3	50.4	1.00	0.29	0.00	#R29Y
045	41.2	0.587	0.377	1.555	-0.036	0.723	25.0	16.1	29.8	32.8	70.3	66.7	83.3	106.7	51.3	1.00	0.31	0.00	#R31Y
046	41.2	0.588	0.379	1.55	-0.033	0.721	24.8	16.3	29.7	33.3	70.3	66.3	85.4	108.2	52.1	1.00	0.32	0.00	#R32Y
047	41.3	0.589	0.381	1.546	-0.029	0.72	24.7	16.5	29.7	33.7	70.4	65.9	87.6	109.6	53.0	1.00	0.32	0.00	#R34Y
048	41.3	0.59	0.383	1.541	-0.027	0.718	24.5	16.6	29.6	34.1	70.4	65.5	89.7	111.0	53.9	1.00	0.35	0.00	#R35Y
049	41.4	0.591	0.384	1.536	-0.024	0.714	24.3	16.7	29.5	34.5	70.4	65.0	91.8	112.5	54.6	1.00	0.37	0.00	#R37Y
050	41.4	0.592	0.386	1.532	-0.021	0.712	24.2	16.9	29.5	34.9	70.5	64.6	93.9	114.0	55.4	1.00	0.39	0.00	#R39Y
051	41.5	0.592	0.388	1.527	-0.019	0.709	24.0	17.0	29.4	35.2	70.5	64.2	96.0	115.5	56.2	1.00	0.4	0.00	#R40Y
052	41.5	0.593	0.389	1.522	-0.017	0.707	23.8	17.1	29.4	35.6	70.5	63.8	98.1	117.0	56.9	1.00	0.42	0.00	#R42Y
053	41.6	0.593	0.391	1.518	-0.015	0.704	23.7	17.2	29.3	35.9	70.6	63.4	100.1	118.5	57.6	1.00	0.44	0.00	#R44Y
054	41.7	0.594	0.392	1.513	-0.013	0.701	23.5	17.3	29.2	36.3	70.6	63.0	102.2	120.0	58.3	1.00	0.45	0.00	#R45Y
055	41.7	0.594	0.393	1.508	-0.011	0.699	23.4	17.4	29.1	36.6	70.7	62.6	104.2	121.6	59.0	1.00	0.47	0.00	#R47Y
056	41.8	0.594	0.395	1.504	-0.01	0.696	23.2	17.5	29.1	36.9	70.7	62.1	106.3	123.1	59.6	1.00	0.48	0.00	#R48Y
057	41.8	0.594	0.396	1.499	-0.009	0.693	23.1	17.6	29.0	37.3	70.7	61.7	108.3	124.7	60.3	1.00	0.5	0.00	#R50Y
058	41.9	0.594	0.397	1.495	-0.007	0.69	22.9	17.6	28.9	37.6	70.8	61.3	110.3	126.2	60.9	1.00			

rgb_{cab} und CIE-Daten eines Elementar-Bunttonkreises nach CIE RI-47 für Ostwald-Farben für CIE-Lichtart D65

Xyy, abc_{AB}, ABC_{AB}, LabC_{ab}h_{ab}-Daten für relative Stufung des Elementarbunttons h_{ab} von CIELAB für CIE-10-Grad Beobachter

Elementar-Bunttonkreise mit 4 Zielem-Bunttonswinkeln: h_{ab} = 25.9, 87.3, 158.8, 252.1 von CIELAB und 90 Zielem-Bunttonswinkeln:

090, 091, ..., 179, CIELAB-Daten CIE-Testfarben 9 (R): 39.2 54.5 26.4, 10 (Y): 79.5 3.2 71.0, 11 (G): 52.3 -39.6 15.3, 12 (B): 33.6 -12.8 -39.9

no.	ab ₁₀	x ₁₀	y ₁₀	q ₁₀	b ₁₀	caB ₁₀	A ₁₀	B ₁₀	CA _{B10}	hA _{B10}	L ₁₀	a ₁₀	b ₁₀	C _{ab10}	h _{ab10}	rgb _{cab}	Code _{ab10}
090	86.6	0.482	0.598	0.949	-0.006	0.423	0.0	34.1	34.1	89.8	91.9	0.1	140.3	140.3	89.9	0.96	1.00 0.00 % Y03G
091	82.0	0.478	0.511	0.934	-0.007	0.422	-1.1	34.5	34.6	91.1	92.5	-2.3	138.2	138.2	89.9	0.94	1.00 0.00 % Y05G
092	83.4	0.473	0.514	0.919	-0.009	0.421	-2.4	35.0	35.1	93.9	93.1	-4.8	136.0	136.1	92.0	0.93	1.00 0.00 % Y06G
093	84.7	0.468	0.517	0.905	-0.01	0.422	-3.6	35.4	35.6	95.8	93.7	-7.2	133.9	134.1	93.0	0.92	1.00 0.00 % Y07G
094	86.0	0.464	0.519	0.892	-0.012	0.42	-4.7	35.8	36.1	97.5	94.3	-9.4	131.9	132.3	94.0	0.9	1.00 0.00 % Y09G
095	87.1	0.46	0.521	0.882	-0.013	0.42	-5.7	36.1	36.6	99.0	94.7	-11.3	130.2	130.7	94.9	0.89	1.00 0.00 % Y10G
096	88.0	0.456	0.522	0.873	-0.015	0.42	-6.5	36.3	36.9	100.2	95.1	-12.9	127.8	128.5	95.7	0.87	1.00 0.00 % Y12G
097	89.3	0.451	0.522	0.863	-0.016	0.418	-7.5	36.6	37.3	102.6	95.7	-14.8	123.7	124.6	96.8	0.86	1.00 0.00 % Y14G
098	90.2	0.449	0.523	0.853	-0.017	0.417	-8.4	36.7	37.6	104.9	96.1	-16.6	120.9	121.8	97.9	0.85	1.00 0.00 % Y16G
099	91.8	0.444	0.518	0.856	-0.028	0.411	-8.4	36.8	37.7	102.8	96.7	-16.2	115.5	116.7	97.9	0.83	1.00 0.00 % Y16G
100	92.3	0.437	0.518	0.843	-0.033	0.409	-9.6	36.5	37.8	104.8	96.9	-18.6	111.4	112.9	99.4	0.82	1.00 0.00 % Y17G
101	92.1	0.432	0.52	0.83	-0.035	0.41	-10.8	36.2	37.8	106.6	96.6	-20.9	109.4	111.4	108.0	0.8	1.00 0.00 % Y19G
102	91.7	0.43	0.522	0.823	-0.036	0.412	-11.4	36.0	37.8	107.6	96.7	-22.3	109.0	111.3	101.5	0.79	1.00 0.00 % Y20G
103	91.3	0.427	0.524	0.814	-0.036	0.414	-12.1	35.8	37.8	108.7	96.5	-23.8	108.6	111.2	102.3	0.78	1.00 0.00 % Y21G
104	90.9	0.424	0.526	0.806	-0.036	0.417	-12.8	35.6	37.9	109.8	96.3	-25.4	108.2	111.1	103.2	0.76	1.00 0.00 % Y23G
105	90.4	0.421	0.529	0.797	-0.037	0.42	-13.0	35.4	37.9	110.9	96.1	-27.1	107.8	111.1	104.1	0.75	1.00 0.00 % Y24G
106	89.9	0.418	0.531	0.787	-0.037	0.423	-14.2	35.3	38.0	112.0	95.9	-28.9	106.8	111.3	105.2	0.74	1.00 0.00 % Y26G
107	89.3	0.415	0.534	0.778	-0.037	0.427	-15.1	35.0	38.1	113.4	95.7	-30.6	107.0	111.3	105.9	0.72	1.00 0.00 % Y27G
108	88.7	0.412	0.536	0.768	-0.037	0.431	-15.9	34.7	38.2	114.6	95.4	-32.5	106.6	111.5	106.9	0.71	1.00 0.00 % Y28G
109	88.1	0.408	0.539	0.757	-0.037	0.435	-16.7	34.4	38.3	115.9	95.2	-34.5	106.3	111.7	107.9	0.69	1.00 0.00 % Y30G
110	87.5	0.405	0.542	0.747	-0.038	0.439	-17.5	34.2	38.4	117.2	94.9	-36.5	105.9	112.0	109.0	0.68	1.00 0.00 % Y31G
111	86.8	0.401	0.545	0.736	-0.038	0.444	-18.4	33.9	38.6	118.4	94.6	-38.5	105.5	112.3	110.0	0.66	1.00 0.00 % Y33G
112	86.1	0.398	0.549	0.724	-0.038	0.45	-19.2	33.6	38.7	119.7	94.3	-40.7	105.0	112.6	111.1	0.65	1.00 0.00 % Y34G
113	85.2	0.394	0.553	0.713	-0.038	0.453	-20.0	33.3	38.7	120.9	94.0	-42.8	104.6	113.0	112.2	0.63	1.00 0.00 % Y36G
114	84.6	0.39	0.555	0.703	-0.039	0.451	-20.8	33.0	39.0	122.2	93.7	-45.1	104.1	113.3	113.2	0.61	1.00 0.00 % Y37G
115	83.9	0.385	0.559	0.69	-0.039	0.467	-21.6	32.7	39.2	123.4	93.4	-47.3	103.6	113.9	114.5	0.61	1.00 0.00 % Y38G
116	83.1	0.381	0.562	0.678	-0.039	0.474	-22.4	32.4	39.4	124.6	93.0	-49.6	103.0	114.4	115.7	0.59	1.00 0.00 % Y40G
117	82.4	0.377	0.566	0.666	-0.04	0.48	-23.2	32.0	39.6	125.8	92.7	-51.9	102.4	114.9	116.8	0.58	1.00 0.00 % Y41G
118	81.6	0.372	0.569	0.655	-0.04	0.486	-23.9	31.7	39.7	127.0	92.4	-54.1	101.8	115.3	118.0	0.57	1.00 0.00 % Y42G
119	81.0	0.368	0.571	0.645	-0.041	0.492	-24.5	31.4	39.8	127.9	92.1	-56.1	100.9	115.5	119.0	0.55	1.00 0.00 % Y44G
120	80.3	0.364	0.574	0.634	-0.042	0.498	-25.1	31.1	40.0	128.9	91.8	-58.1	100.1	115.8	120.1	0.54	1.00 0.00 % Y45G
121	79.7	0.36	0.577	0.624	-0.043	0.503	-25.7	30.7	40.1	129.9	91.5	-60.2	100.0	116.0	121.2	0.52	1.00 0.00 % Y47G
122	79.0	0.356	0.579	0.614	-0.044	0.509	-26.3	30.4	40.2	130.9	91.2	-62.3	99.9	116.1	122.3	0.51	1.00 0.00 % Y48G
123	78.4	0.352	0.582	0.604	-0.044	0.515	-26.9	30.1	40.4	131.7	90.9	-64.2	97.4	116.7	123.3	0.5	1.00 0.00 % Y49G
124	77.7	0.347	0.584	0.594	-0.046	0.521	-27.4	29.8	40.5	132.6	90.6	-66.2	96.5	117.0	124.4	0.48	1.00 0.00 % Y51G
125	77.1	0.343	0.587	0.584	-0.047	0.527	-28.0	29.4	40.6	133.5	90.3	-68.2	95.6	117.4	125.5	0.47	1.00 0.00 % Y52G
126	76.4	0.339	0.589	0.574	-0.048	0.533	-28.5	29.1	40.7	134.4	90.0	-70.2	94.6	117.8	126.5	0.45	1.00 0.00 % Y54G
127	75.8	0.334	0.592	0.565	-0.049	0.539	-29.0	28.8	40.9	135.2	89.7	-72.2	93.6	118.2	127.6	0.44	1.00 0.00 % Y55G
128	75.1	0.33	0.594	0.555	-0.05	0.545	-29.5	28.4	41.0	136.0	89.4	-74.2	92.6	118.7	128.6	0.43	1.00 0.00 % Y56G
129	74.5	0.325	0.596	0.545	-0.051	0.551	-29.9	28.1	41.1	136.8	89.1	-76.1	91.7	119.2	129.7	0.41	1.00 0.00 % Y58G
130	73.9	0.32	0.599	0.536	-0.052	0.557	-30.4	27.8	41.2	137.6	88.8	-78.1	90.8	119.7	130.7	0.4	1.00 0.00 % Y59G
131	73.3	0.317	0.601	0.527	-0.054	0.563	-30.8	27.4	41.3	138.2	88.6	-80.0	89.6	120.2	131.7	0.38	1.00 0.00 % Y61G
132	72.7	0.312	0.603	0.518	-0.055	0.569	-31.2	27.1	41.3	139.0	88.3	-81.9	88.6	120.7	132.7	0.37	1.00 0.00 % Y62G
133	72.1	0.308	0.604	0.509	-0.057	0.575	-31.6	26.8	41.4	139.6	88.0	-83.7	87.6	121.2	133.7	0.36	1.00 0.00 % Y63G
134	71.5	0.304	0.606	0.501	-0.058	0.58	-31.9	26.5	41.5	140.3	87.7	-85.6	86.6	121.8	134.6	0.34	1.00 0.00 % Y65G
135	70.9	0.299	0.608	0.492	-0.06	0.586	-32.3	26.1	41.5	140.9	87.4	-87.4	85.6	122.3	135.5	0.33	1.00 0.00 % Y66G
136	70.4	0.295	0.609	0.484	-0.061	0.591	-32.6	25.8	41.6	141.5	87.1	-89.1	84.6	122.9	136.4	0.31	1.00 0.00 % Y68G
137	69.8	0.291	0.611	0.476	-0.063	0.597	-32.9	25.5	41.6	142.1	86.9	-90.8	83.6	123.4	137.3	0.3	1.00 0.00 % Y70G
138	69.2	0.287	0.612	0.469	-0.065	0.601	-33.2	25.2	41.7	142.7	86.6	-92.5	82.6	124.0	138.2	0.29	1.00 0.00 % Y71G
139	68.8	0.283	0.614	0.461	-0.066	0.606	-33.4	24.9	41.7	143.2	86.4	-94.1	81.6	124.5	139.0	0.27	1.00 0.00 % Y72G
140	42.5	0.577	0.377	1.53	-0.048	0.695	24.7	16.1	29.5	33.2	71.2	65.0	77.7	101.3	50.0	0.26	1.00 0.00 % Y73G
141	42.4	0.576	0.376	1.531	-0.049	0.696	24.7	16.1	29.5	33.0	71.2	65.1	77.2	101.0	49.8	0.24	1.00 0.00 % Y75G
142	42.4	0.576	0.376	1.532	-0.05	0.696	24.8	16.1	29.5	32.9	71.1	65.2	76.7	100.7	49.6	0.23	1.00 0.00 % Y76G
143	42.4	0.576	0.375	1.533	-0.051	0.697	24.8	16.0	29.6	32.8	71.1	65.3	76.2	100.4	49.4	0.22	1.00 0.00 % Y77G
144	42.4	0.575	0.375	1.534	-0.052	0.697	24.9	15.9	29.6	32.7	71.1	65.4	75.8	100.1	49.1	0.2	1.00 0.00 % Y79G
145	42.4	0.575	0.374	1.536	-0.053	0.698	24.9	15.9	29.6	32.5	71.1	65.5	75.3	99.8	48.9	0.19	1.00 0.00 % Y80G
146	42.4	0.575	0.374	1.537	-0.054	0.698	24.9	15.9	29.6	32.4	71.1	65.6	74.8	99.5	48.7	0.17	1.00 0.00 % Y82G
147	42.4	0.574	0.373	1.538	-0.055	0.698	25.0	15.8	29.6	32.3	71.1	65.7	74.3	99.2	48.4	0.16	1.00 0.00 % Y83G
148	42.3	0.574	0.373	1.539	-0.056	0.699	25.0	15.8	29.6	32.2	71.1	65.8	73.8	98.9	48.2	0.15	1.00 0.00 % Y84G
149	42.3	0.573	0.372	1.54	-0.057	0.699	25.1	15.7	29.6	32.0	71.1	65.9	73.3	98.6	48.0	0.13	1.00 0.00 % Y86G
150	42.3	0.573	0.371	1.541	-0.058	0.7	25.1	15.7	29.6	31.9	71.1	66.0	72.8	98.3	47.7	0.12	1.00 0.00 % Y87G
151	42.3	0.573	0.371	1.543	-0.059	0.7	25.2	15.6	29.6	31.8	71.1	66.1	72.3	98.0	47.5	0.11	1.00 0.00 % Y88G
152	42.3	0.572	0.37	1.544	-0.061	0.7	25.2	15.5	29.6	31.7	71.1	66.2	71.8	97.7	47.2	0.09	1.00 0.00 % Y90G
153	42.3	0.572	0.37	1.545	-0.062	0.701	25.2	15.5	29.6	31.5	71.0	66.4	71.3	97.4	47.0	0.08	1.00 0.00 %

rgb _{cab} und CIE-Daten eines Elementar-Bunttonkreises nach CIE R1-47 für Ostwald-Farben für CIE-Lichtart D65																									
Yxy, abc _{AB} , ABC _{AB} , LabC* _{ab} h _{ab} -Daten für relative Stufung des Elementarbunttons h _{ab} von CIELAB für CIE-100 Grad Beobachter																									
Elementar-Bunttonkreise mit 4 Ziel-Elementar-Bunttonwinkeln: h _{ab} = 25.9, 87.3, 158.8, 252.1 von CIELAB und 90 Ziel-Bunttonwinkeln:																									
180, 181, ..., 269, CIELAB-Daten CIE-Testfarben 9 (R): 39.2 54.5 26.4, 10 (Y): 79.5 3.2 71.0, 11 (G): 52.3 -39.6 15.3, 12 (B): 33.6 -12.8 -39.9																									
no. cab _{ab}	x ₁₀	y ₁₀	a ₁₀	b ₁₀	c _{AB} ₁₀	A ₁₀	B ₁₀	C _{AB} ₁₀	h _{AB} ₁₀	L* ₁₀	a* ₁₀	b* ₁₀	C* _{ab} ₁₀	h _{ab} ₁₀	rgb _{ab}	Code _{ab} ₁₀									
180	41.9	0.557	0.353	1.577	-0.1	0.71	26.4	13.8	29.8	27.5	70.8	69.2	57.5	90.0	39.7	0.00	1.00	0.45	G22B						
181	41.9	0.557	0.352	1.579	-0.101	0.71	26.4	13.7	29.8	27.4	70.8	69.3	57.0	89.8	39.4	0.00	1.00	0.47	G23B						
182	41.9	0.556	0.352	1.58	-0.103	0.711	26.5	13.6	29.8	27.2	70.8	69.4	56.5	89.5	39.1	0.00	1.00	0.49	G24B						
183	41.9	0.555	0.351	1.581	-0.105	0.711	26.5	13.5	29.8	27.0	70.8	69.5	55.9	89.3	38.8	0.00	1.00	0.51	G25B						
184	41.9	0.555	0.35	1.582	-0.107	0.711	26.6	13.5	29.8	26.9	70.8	69.6	55.4	89.0	38.5	0.00	1.00	0.53	G26B						
185	41.9	0.554	0.35	1.583	-0.108	0.712	26.6	13.4	29.8	26.7	70.8	69.8	54.9	88.8	38.2	0.00	1.00	0.56	G28B						
186	41.8	0.553	0.349	1.585	-0.11	0.712	26.6	13.3	29.8	26.5	70.7	69.9	54.4	88.6	37.9	0.00	1.00	0.58	G29B						
187	41.8	0.553	0.348	1.586	-0.112	0.712	26.7	13.2	29.8	26.4	70.7	70.0	53.9	88.3	37.6	0.00	1.00	0.6	G30B						
188	41.8	0.552	0.347	1.587	-0.114	0.713	26.7	13.1	29.8	26.2	70.7	70.1	53.4	88.1	37.2	0.00	1.00	0.62	G31B						
189	41.8	0.551	0.347	1.588	-0.115	0.713	26.8	13.1	29.8	26.0	70.7	70.2	52.8	87.9	36.9	0.00	1.00	0.64	G32B						
190	41.8	0.551	0.346	1.59	-0.117	0.713	26.8	13.0	29.8	25.8	70.7	70.3	52.3	87.7	36.6	0.00	1.00	0.66	G33B						
191	41.8	0.55	0.345	1.591	-0.119	0.713	26.9	12.9	29.8	25.7	70.7	70.4	51.8	87.4	36.3	0.00	1.00	0.68	G34B						
192	41.8	0.549	0.345	1.592	-0.121	0.714	26.9	12.8	29.8	25.5	70.7	70.5	51.3	87.2	36.0	0.00	1.00	0.71	G35B						
193	41.7	0.549	0.344	1.593	-0.123	0.714	26.9	12.7	29.8	25.3	70.7	70.6	50.8	87.0	35.7	0.00	1.00	0.73	G36B						
194	41.7	0.548	0.343	1.595	-0.125	0.714	27.0	12.7	29.8	25.1	70.7	70.7	50.3	86.8	35.4	0.00	1.00	0.75	G37B						
195	41.7	0.547	0.343	1.596	-0.127	0.715	27.0	12.6	29.8	24.9	70.7	70.8	49.8	86.6	35.0	0.00	1.00	0.77	G38B						
196	41.7	0.546	0.342	1.597	-0.129	0.715	27.1	12.5	29.8	24.8	70.7	70.9	49.2	86.4	34.7	0.00	1.00	0.79	G39B						
197	41.7	0.546	0.341	1.598	-0.131	0.715	27.1	12.4	29.8	24.6	70.6	71.0	48.7	86.2	34.4	0.00	1.00	0.81	G40B						
198	41.7	0.545	0.34	1.599	-0.133	0.715	27.2	12.3	29.8	24.4	70.6	71.1	48.2	86.0	34.1	0.00	1.00	0.83	G41B						
199	41.7	0.544	0.34	1.601	-0.135	0.716	27.2	12.2	29.8	24.2	70.6	71.2	47.7	85.8	33.8	0.00	1.00	0.86	G43B						
200	41.7	0.543	0.339	1.602	-0.137	0.716	27.2	12.1	29.8	24.0	70.6	71.4	47.2	85.6	33.4	0.00	1.00	0.88	G44B						
201	41.6	0.543	0.338	1.603	-0.139	0.716	27.3	12.0	29.8	23.8	70.6	71.5	46.7	85.4	33.1	0.00	1.00	0.9	G45B						
202	41.6	0.542	0.337	1.604	-0.141	0.717	27.3	11.9	29.8	23.6	70.6	71.6	46.2	85.2	32.8	0.00	1.00	0.92	G46B						
203	41.6	0.541	0.337	1.606	-0.143	0.717	27.4	11.9	29.8	23.4	70.6	71.7	45.6	85.0	32.4	0.00	1.00	0.94	G47B						
204	41.6	0.54	0.336	1.607	-0.145	0.717	27.4	11.8	29.8	23.2	70.6	71.8	45.1	84.8	32.1	0.00	1.00	0.96	G48B						
205	41.6	0.54	0.335	1.608	-0.147	0.717	27.4	11.7	29.8	23.0	70.6	71.9	44.6	84.6	31.8	0.00	1.00	0.98	G49B						
206	41.6	0.539	0.335	1.609	-0.15	0.718	27.5	11.6	29.8	22.8	70.6	72.0	44.1	84.4	31.5	0.00	0.98	1.00	G50B						
207	41.6	0.538	0.334	1.61	-0.152	0.718	27.5	11.5	29.8	22.6	70.6	72.1	43.6	84.3	31.1	0.00	0.96	1.00	G51B						
208	41.5	0.537	0.333	1.612	-0.154	0.718	27.6	11.4	29.8	22.4	70.5	72.2	43.1	84.1	30.8	0.00	0.94	1.00	G52B						
209	41.5	0.536	0.332	1.613	-0.156	0.719	27.6	11.3	29.9	22.2	70.5	72.3	42.6	83.9	30.4	0.00	0.92	1.00	G53B						
210	41.5	0.536	0.332	1.614	-0.158	0.719	27.7	11.2	29.9	22.0	70.5	72.4	42.1	83.8	30.1	0.00	0.9	1.00	G54B						
211	41.5	0.535	0.331	1.615	-0.161	0.719	27.7	11.1	29.9	21.8	70.5	72.5	41.5	83.6	29.8	0.00	0.88	1.00	G55B						
212	41.5	0.534	0.331	1.617	-0.163	0.719	27.7	11.0	29.9	21.6	70.5	72.6	41.0	83.4	29.4	0.00	0.86	1.00	G56B						
213	41.5	0.533	0.329	1.618	-0.165	0.72	27.8	10.9	29.9	21.4	70.5	72.7	40.5	83.3	29.1	0.00	0.83	1.00	G58B						
214	41.5	0.532	0.328	1.619	-0.168	0.72	27.8	10.8	29.9	21.2	70.5	72.8	40.0	83.1	28.7	0.00	0.81	1.00	G59B						
215	41.5	0.531	0.328	1.62	-0.17	0.72	27.9	10.7	29.9	21.0	70.5	72.9	39.5	83.0	28.4	0.00	0.79	1.00	G60B						
216	41.4	0.531	0.327	1.622	-0.172	0.721	27.9	10.6	29.9	20.8	70.5	73.0	39.0	82.8	28.1	0.00	0.77	1.00	G61B						
217	41.4	0.53	0.326	1.623	-0.175	0.721	28.0	10.5	29.9	20.6	70.5	73.2	38.5	82.7	27.7	0.00	0.75	1.00	G62B						
218	41.4	0.529	0.325	1.624	-0.177	0.721	28.0	10.4	29.9	20.4	70.5	73.3	38.0	82.5	27.4	0.00	0.73	1.00	G63B						
219	41.4	0.528	0.325	1.625	-0.179	0.722	28.0	10.3	29.9	20.2	70.4	73.4	37.5	82.4	27.0	0.00	0.71	1.00	G64B						
220	41.4	0.527	0.324	1.626	-0.181	0.722	28.1	10.2	29.9	20.0	70.4	73.5	37.0	82.3	26.7	0.00	0.68	1.00	G65B						
221	41.4	0.526	0.323	1.628	-0.184	0.722	28.1	10.1	29.9	19.7	70.4	73.6	36.5	82.1	26.3	0.00	0.66	1.00	G66B						
222	41.4	0.525	0.322	1.629	-0.187	0.723	28.2	10.0	29.9	19.5	70.4	73.7	36.0	82.0	26.0	0.00	0.64	1.00	G67B						
223	41.4	0.525	0.322	1.63	-0.189	0.723	28.2	9.9	29.9	19.3	70.4	73.8	35.4	81.9	25.6	0.00	0.62	1.00	G68B						
224	41.3	0.524	0.321	1.631	-0.192	0.723	28.2	9.8	29.9	19.1	70.4	73.9	34.9	81.7	25.3	0.00	0.6	1.00	G69B						
225	41.3	0.523	0.32	1.633	-0.194	0.724	28.3	9.6	29.9	18.8	70.4	74.0	34.4	81.6	24.9	0.00	0.58	1.00	G70B						
226	41.3	0.522	0.319	1.634	-0.197	0.724	28.3	9.5	29.9	18.6	70.4	74.1	33.9	81.5	24.6	0.00	0.56	1.00	G71B						
227	41.3	0.521	0.318	1.635	-0.2	0.724	28.4	9.4	29.9	18.4	70.4	74.2	33.4	81.4	24.2	0.00	0.53	1.00	G73B						
228	41.3	0.52	0.318	1.636	-0.202	0.725	28.4	9.3	29.9	18.2	70.4	74.3	32.9	81.3	23.9	0.00	0.51	1.00	G74B						
229	41.3	0.519	0.317	1.637	-0.205	0.725	28.5	9.2	29.9	17.9	70.4	74.4	32.4	81.2	23.5	0.00	0.49	1.00	G75B						
230	41.3	0.518	0.316	1.639	-0.207	0.725	28.5	9.1	29.9	17.7	70.3	74.5	31.9	81.1	23.2	0.00	0.47	1.00	G76B						
231	41.2	0.518	0.315	1.64	-0.21	0.726	28.5	9.0	29.9	17.5	70.3	74.6	31.4	81.0	22.8	0.00	0.45	1.00	G77B						

rgb _{cab} und CIE-Daten eines Elementar-Bunttonkreises nach CIE R1-47 für Ostwald-Farben für CIE-Licht D65																									
Xyy, abc _{AB} , ABC _{AB} , LabC _{ab} h _{ab} -Daten für relative Stufung des Elementarbunttons h _{ab} von CIELAB für CIE-10-Grad Beobachter																									
Elementar-Bunttonkreis mit 4 Ziel-Elementar-Bunttonwinkeln: h _{ab} = 25,9, 87,3, 158,8, 252,1 von CIELAB und 90 Ziel-Bunttonwinkeln:																									
270, 271, ..., 360, CIELAB-Daten CIE-Testfarben 9 (R): 39.2 54.5 26.4, 10 (Y): 79.5 3.2 71.0, 11 (G): 52.3 -39.6 15.3, 12 (B): 33.6 -12.8 -39.9																									
no _{ab}	x ₁₀	y ₁₀	a ₁₀	b ₁₀	c _{AB} 10	A ₁₀	B ₁₀	C _{AB} 10	h _{AB} 10	L ₁₀	a [*] 10	b [*] 10	C [*] ab ₁₀	h _{ab} 10	rgb [*] ab ₁₀	Code _{ab} 10									
270	ab	0.8	0.481	0.285	1.686	-0.326	0.745	30.1	4.1	30.4	7.9	70.0	78.4	12.9	79.5	9.3	0.26	0.00	1.00	0.90	B13R				
271	ab	0.8	0.48	0.284	1.687	-0.329	0.745	30.1	4.0	30.4	7.6	70.0	78.5	12.4	79.5	9.0	0.28	0.00	1.00	0.91	B14R				
272	ab	0.7	0.479	0.283	1.688	-0.333	0.746	30.2	3.9	30.4	7.4	70.0	78.6	12.0	79.5	8.6	0.29	0.00	1.00	0.91	B14R				
273	ab	0.7	0.478	0.283	1.689	-0.336	0.747	30.2	3.7	30.4	7.1	70.0	78.7	11.5	79.5	8.3	0.31	0.00	1.00	0.91	B15R				
274	ab	0.7	0.477	0.282	1.69	-0.339	0.747	30.2	3.6	30.4	6.8	70.0	78.8	11.1	79.6	8.0	0.32	0.00	1.00	0.91	B16R				
275	ab	0.7	0.476	0.281	1.691	-0.342	0.748	30.3	3.5	30.5	6.6	70.0	78.9	10.6	79.6	7.7	0.34	0.00	1.00	0.91	B17R				
276	ab	0.7	0.475	0.281	1.692	-0.346	0.749	30.3	3.3	30.5	6.3	70.0	79.0	10.2	79.6	7.3	0.35	0.00	1.00	0.91	B17R				
277	ab	0.7	0.474	0.28	1.693	-0.349	0.75	30.3	3.2	30.5	6.1	69.9	79.1	9.8	79.7	7.0	0.36	0.00	1.00	0.91	B18R				
278	ab	0.7	0.473	0.279	1.695	-0.352	0.751	30.4	3.1	30.5	5.8	69.9	79.1	9.3	79.7	6.7	0.38	0.00	1.00	0.91	B19R				
279	ab	0.7	0.472	0.278	1.696	-0.356	0.751	30.4	2.9	30.6	5.5	69.9	79.2	8.9	79.7	6.4	0.4	0.00	1.00	0.91	B20R				
280	ab	0.7	0.471	0.278	1.697	-0.359	0.752	30.4	2.8	30.6	5.3	69.9	79.3	8.5	79.8	6.1	0.41	0.00	1.00	0.92	B20R				
281	ab	0.6	0.471	0.277	1.698	-0.362	0.753	30.5	2.7	30.6	5.0	69.9	79.4	8.0	79.8	5.8	0.43	0.00	1.00	0.92	B21R				
282	ab	0.6	0.47	0.276	1.699	-0.366	0.753	30.5	2.5	30.6	4.8	69.9	79.5	7.6	79.9	5.4	0.44	0.00	1.00	0.92	B22R				
283	ab	0.6	0.469	0.275	1.7	-0.369	0.754	30.5	2.4	30.6	4.5	69.9	79.6	7.2	79.9	5.1	0.46	0.00	1.00	0.92	B23R				
284	ab	0.6	0.468	0.275	1.701	-0.372	0.755	30.6	2.2	30.7	4.2	69.9	79.7	6.7	80.0	4.8	0.47	0.00	1.00	0.93	B23R				
285	ab	0.6	0.467	0.274	1.702	-0.376	0.756	30.6	2.1	30.7	4.0	69.9	79.8	6.3	80.0	4.5	0.49	0.00	1.00	0.93	B24R				
286	ab	0.6	0.466	0.273	1.703	-0.379	0.757	30.6	2.0	30.7	3.7	69.9	79.9	5.9	80.1	4.2	0.5	0.00	1.00	0.93	B25R				
287	ab	0.6	0.465	0.273	1.704	-0.382	0.758	30.7	1.8	30.7	3.5	69.9	79.9	5.5	80.1	3.9	0.52	0.00	1.00	0.93	B26R				
288	ab	0.6	0.464	0.272	1.705	-0.386	0.758	30.7	1.7	30.8	3.2	69.9	80.0	5.1	80.2	3.6	0.53	0.00	1.00	0.93	B26R				
289	ab	0.6	0.463	0.271	1.706	-0.389	0.759	30.8	1.6	30.8	2.9	69.9	80.1	4.7	80.2	3.3	0.55	0.00	1.00	0.93	B27R				
290	ab	0.5	0.462	0.27	1.707	-0.393	0.76	30.8	1.4	30.8	2.7	69.9	80.2	4.2	80.3	3.0	0.56	0.00	1.00	0.93	B28R				
291	ab	0.5	0.461	0.27	1.708	-0.396	0.761	30.8	1.3	30.9	2.4	69.8	80.3	3.8	80.4	2.7	0.58	0.00	1.00	0.92	B29R				
292	ab	0.5	0.46	0.269	1.709	-0.399	0.762	30.9	1.1	30.9	2.2	69.8	80.4	3.4	80.4	2.4	0.59	0.00	1.00	0.92	B29R				
293	ab	0.5	0.458	0.268	1.71	-0.403	0.763	30.9	1.0	30.9	1.9	69.8	80.5	3.0	80.5	2.1	0.6	0.00	1.00	0.92	B30R				
294	ab	0.5	0.459	0.268	1.712	-0.406	0.764	30.9	0.9	30.9	1.7	69.8	80.5	2.6	80.5	1.8	0.62	0.00	1.00	0.93	B31R				
295	ab	0.5	0.458	0.267	1.713	-0.41	0.765	31.0	0.7	31.0	1.4	69.8	80.6	2.2	80.6	1.5	0.64	0.00	1.00	0.93	B32R				
296	ab	0.5	0.457	0.266	1.714	-0.413	0.766	31.0	0.6	31.0	1.1	69.8	80.7	1.8	80.7	1.3	0.65	0.00	1.00	0.93	B32R				
297	ab	0.5	0.456	0.266	1.715	-0.416	0.767	31.0	0.5	31.0	0.9	69.8	80.8	1.4	80.8	1.0	0.67	0.00	1.00	0.93	B33R				
298	ab	0.5	0.455	0.265	1.716	-0.42	0.768	31.1	0.3	31.1	0.6	69.8	80.9	1.0	80.9	0.7	0.68	0.00	1.00	0.93	B34R				
299	ab	0.5	0.454	0.264	1.717	-0.423	0.769	31.1	0.2	31.1	0.4	69.8	80.9	0.6	80.9	0.4	0.7	0.00	1.00	0.93	B35R				
300	ab	0.4	0.453	0.264	1.718	-0.427	0.77	31.1	0.0	31.1	0.1	69.8	81.0	0.2	81.0	0.1	0.71	0.00	1.00	0.93	B35R				
301	ab	0.4	0.452	0.263	1.719	-0.43	0.771	31.2	0.0	31.2	359.9	69.8	81.1	-0.1	81.1	359.9	0.73	0.00	1.00	0.93	B36R				
302	ab	0.4	0.452	0.262	1.72	-0.433	0.772	31.2	0.0	31.2	359.6	69.8	81.2	-0.5	81.2	359.6	0.74	0.00	1.00	0.93	B37R				
303	ab	0.4	0.451	0.262	1.721	-0.437	0.773	31.2	-0.3	31.2	359.4	69.7	81.3	-0.8	81.3	359.3	0.76	0.00	1.00	0.93	B38R				
304	ab	0.4	0.45	0.261	1.722	-0.44	0.774	31.3	-0.4	31.3	359.1	69.7	81.3	-1.2	81.3	359.0	0.77	0.00	1.00	0.93	B38R				
305	ab	0.4	0.449	0.26	1.723	-0.443	0.775	31.3	-0.5	31.3	358.9	69.7	81.4	-1.6	81.4	358.8	0.79	0.00	1.00	0.93	B39R				
306	ab	0.4	0.448	0.26	1.723	-0.447	0.776	31.3	-0.7	31.3	358.6	69.7	81.5	-2.0	81.5	358.5	0.8	0.00	1.00	0.93	B40R				
307	ab	0.4	0.447	0.259	1.724	-0.45	0.777	31.4	-0.8	31.4	358.4	69.7	81.6	-2.4	81.6	358.3	0.82	0.00	1.00	0.94	B41R				
308	ab	0.4	0.446	0.258	1.725	-0.454	0.778	31.4	-1.0	31.4	358.1	69.7	81.6	-2.7	81.7	358.0	0.83	0.00	1.00	0.94	B41R				
309	ab	0.4	0.446	0.258	1.726	-0.457	0.779	31.4	-1.1	31.4	357.9	69.7	81.7	-3.1	81.8	357.7	0.85	0.00	1.00	0.94	B42R				
310	ab	0.3	0.445	0.257	1.727	-0.46	0.78	31.4	-1.2	31.5	357.6	69.7	81.8	-3.5	81.9	357.5	0.86	0.00	1.00	0.94	B43R				
311	ab	0.3	0.444	0.257	1.728	-0.464	0.781	31.5	-1.4	31.5	357.4	69.7	81.9	-3.8	82.0	357.2	0.88	0.00	1.00	0.94	B44R				
312	ab	0.3	0.443	0.256	1.729	-0.467	0.782	31.5	-1.5	31.5	357.2	69.7	82.0	-4.2	82.1	357.0	0.89	0.00	1.00	0.94	B44R				
313	ab	0.3	0.442	0.255	1.73	-0.47	0.783	31.5	-1.6	31.6	356.9	69.7	82.0	-4.6	82.2	356.7	0.91	0.00	1.00	0.94	B45R				
314	ab	0.3	0.442	0.255	1.731	-0.474	0.784	31.6	-1.8	31.6	356.7	69.7	82.1	-4.9	82.3	356.5	0.92	0.00	1.00	0.94	B46R				
315	ab	0.3	0.441	0.254	1.732	-0.477	0.785	31.6	-1.9	31.7	356.4	69.7	82.2	-5.3	82.3	356.2	0.94	0.00	1.00	0.94	B47R				
316	ab	0.3	0.44	0.254	1.733	-0.48	0.787	31.6	-2.0	31.7	356.2	69.7	82.2	-5.6	82.4	356.0	0.95	0.00	1.00	0.94	B47R				
317	ab	0.3	0.439	0.253	1.734	-0.484	0.788	31.7	-2.2	31.7	356.0	69.6	82.3	-6.0	82.5	355.8	0.96	0.00	1.00	0.94	B48R				
318	ab	0.3	0.438	0.252	1.735	-0.487	0.789	31.7	-2.3	31.8	355.7	69.6	82.4	-6.3	82.6	355.6	0.98	0.00	1.00	0.94	B49R				
319	ab	0.3	0.438	0.252	1.736	-0.49	0.79	31.7	-2.4	31.8	355.5	69.6	82.5	-6.7	82.7	355.3	1.00	0.00	1.00	0.94	B49R				
320	ab	0.2	0.437	0.251	1.737	-0.494	0.791	31.7	-2.6	31.8	355.3	69.6	82.5	-7.0	82.8	355	0.99	0.00	1.00	0.98	B50R				
321	ab	0.2	0.436	0.251	1.7																				