

<b>Ostwald-Optimalfarben (o) von maximalem (m) <math>C_{AB}</math> für D65, <math>Y_w=100</math>, <math>Y_m=520\_770</math>, LINYAB-Daten</b>													<b>%</b>	
$i_1, \lambda_1$	$i_2, \lambda_2$	$Y_{100}$	$A_{100}$	$B_{100}$	$C_{AB}$	$a$	$b$	$h_{AB}$	$i_d, \lambda_d$	$i_c, \lambda_c$	<b>Code</b>	<b>%</b>		
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	0.0	0.01	0.9504	-0.4355	0.0				%
<b>Ostwald-Optimalfarben (o) von maximalem (m) <math>C_{AB}</math> für D65, <math>Y_w=100</math>, <math>Y_m=770\_520</math>, LINYAB komplementär%</b>													<b>%</b>	
$i_1, \lambda_1$	$i_2, \lambda_2$	$Y_{100}$	$A_{100}$	$B_{100}$	$C_{AB}$	$a$	$b$	$h_{AB}$	$i_d, \lambda_d$	$i_c, \lambda_c$	<b>Code</b>	<b>%</b>		
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	0.0	0.01	0.9504	-0.4355	0.0				%

**rgb<sub>ABCAB</sub> und CIE-Daten eines Elementar-Bunttonkreises nach CIE R1-47 für Ostwald-Farben für CIE-Lichtart D65**

**X<sub>xy</sub>, Lab<sub>ABCAB</sub>, LabC<sub>ab</sub>, Lab<sub>ab</sub>-Daten für relative Stufung des Elementarbunttons H<sub>AB</sub> von L<sub>INYAB</sub> für CIE-2-Grad Beobachter**

**Elementar-Bunttonkreis mit 4 Ziel-Elementar-Bunttonwinkeln: h<sub>AB</sub> = 17.7, 93.3, 159.1, 270.8 von L<sub>INYAB</sub> und 2,0 Ziel-Bunttonwinkeln:**

**000, 001, ..., 089, L<sub>INYAB</sub>-Daten CIE-Testfarben 9 (R): 11.2 9.9 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. <sub>AB</sub> Y	X	Y	a	b	c <sub>AB</sub>	A	B	C <sub>AB</sub>	h <sub>AB</sub>	L*	a*	b*	C <sub>ab</sub>	h <sub>ab</sub>	rgb <sub>ABCAB</sub>	Code <sub>ABCAB</sub>				
000	40.7	0.447	0.259	1.727	-0.453	0.777	31.6	-0.7	31.6	358.7	70.0	81.6	-1.9	81.7	359.6	1.00	0.00	0.39	#B081	
001	40.8	0.445	0.261	1.72	-0.44	0.777	31.4	-0.1	31.4	359.6	70.0	81.1	-0.5	81.1	359.6	1.00	0.00	0.37	#B181	
002	40.8	0.453	0.264	1.714	-0.427	0.764	31.1	0.3	31.2	0.6	70.0	80.6	0.9	80.6	0.6	1.00	0.00	0.35	#B281	
003	40.8	0.456	0.267	1.708	-0.414	0.758	30.9	0.8	30.9	1.6	70.0	80.0	2.4	80.1	1.7	1.00	0.00	0.33	#B381	
004	40.8	0.459	0.269	1.701	-0.4	0.752	30.7	1.4	30.7	2.6	70.0	79.5	4.0	79.6	2.9	1.00	0.00	0.3	#B481	
005	40.8	0.462	0.272	1.695	-0.387	0.746	30.4	1.9	30.5	3.6	70.1	78.9	5.6	79.1	4.0	1.00	0.00	0.28	#B581	
006	40.9	0.465	0.275	1.689	-0.374	0.741	30.2	2.4	30.3	4.7	70.1	78.4	7.2	78.7	5.2	1.00	0.00	0.26	#B681	
007	40.9	0.469	0.278	1.682	-0.361	0.736	29.9	3.0	30.1	5.7	70.1	77.8	8.9	78.3	6.5	1.00	0.00	0.24	#B781	
008	40.9	0.481	0.281	1.672	-0.348	0.728	29.6	3.7	29.9	6.9	70.1	77.1	10.6	77.6	8.2	1.00	0.00	0.23	#B881	
009	40.9	0.475	0.284	1.667	-0.335	0.722	29.4	4.1	29.7	7.9	70.1	76.7	12.3	77.7	9.1	1.00	0.00	0.19	#B908	
010	40.9	0.479	0.288	1.663	-0.322	0.722	29.2	4.6	29.6	9.0	70.1	76.1	14.1	77.5	10.5	1.00	0.00	0.17	#B918	
011	41.0	0.483	0.291	1.657	-0.309	0.718	28.9	5.1	29.4	10.1	70.1	75.6	15.9	77.3	11.9	1.00	0.00	0.15	#B928	
012	41.0	0.486	0.294	1.65	-0.296	0.714	28.7	5.6	29.3	11.2	70.2	75.0	17.8	77.1	13.3	1.00	0.00	0.12	#B938	
013	41.0	0.49	0.298	1.644	-0.283	0.71	28.5	6.2	29.1	12.3	70.2	74.5	19.7	77.0	14.8	1.00	0.00	0.1	#B948	
014	41.0	0.493	0.301	1.638	-0.271	0.707	28.2	6.7	29.0	13.4	70.2	73.9	21.6	77.0	16.3	1.00	0.00	0.08	#B958	
015	41.0	0.497	0.304	1.632	-0.258	0.704	28.0	7.2	28.9	14.5	70.2	73.3	23.6	77.1	17.8	1.00	0.00	0.06	#B968	
016	41.1	0.503	0.308	1.622	-0.241	0.696	27.7	7.8	28.8	15.6	70.2	72.7	25.7	77.2	19.1	1.00	0.00	0.05	#B988	
017	41.1	0.505	0.311	1.619	-0.234	0.699	27.5	8.2	28.7	16.7	70.2	72.3	27.7	77.4	21.0	1.00	0.00	0.01	#B998	
018	41.1	0.509	0.315	1.613	-0.222	0.697	27.3	8.7	28.6	17.8	70.2	71.7	29.7	77.7	22.6	1.00	0.00	0.00	#R00Y	
019	41.1	0.513	0.319	1.607	-0.21	0.695	27.0	9.2	28.6	18.9	70.3	71.2	32.0	78.1	24.2	1.00	0.01	0.00	#R01Y	
020	41.1	0.517	0.322	1.602	-0.198	0.693	26.8	9.7	28.5	19.9	70.3	70.7	34.2	78.5	25.8	1.00	0.02	0.00	#R02Y	
021	41.2	0.521	0.327	1.594	-0.184	0.691	26.5	10.3	28.5	21.3	70.3	70.0	37.1	79.2	27.9	1.00	0.04	0.00	#R04Y	
022	41.2	0.527	0.332	1.586	-0.169	0.689	26.2	10.9	28.4	22.7	70.3	69.3	40.1	80.1	30.1	1.00	0.05	0.00	#R05Y	
023	41.3	0.532	0.337	1.578	-0.155	0.687	25.9	11.5	28.4	24.0	70.4	68.6	43.3	81.1	33.3	1.00	0.06	0.00	#R08Y	
024	41.3	0.537	0.341	1.57	-0.141	0.686	25.6	12.2	28.4	25.3	70.4	68.0	46.5	82.1	36.4	1.00	0.08	0.00	#R09Y	
025	41.4	0.542	0.346	1.563	-0.128	0.685	25.3	12.7	28.4	26.5	70.4	67.2	49.8	83.7	39.5	1.00	0.09	0.00	#R09Y	
026	41.4	0.546	0.351	1.556	-0.115	0.685	25.1	13.2	28.4	27.8	70.5	66.6	53.1	85.2	38.5	1.00	0.1	0.00	#R10Y	
027	41.5	0.551	0.355	1.549	-0.103	0.685	24.8	13.7	28.4	28.9	70.5	66.0	56.6	86.9	40.6	1.00	0.12	0.00	#R12Y	
028	41.5	0.556	0.36	1.543	-0.092	0.685	24.6	14.2	28.4	30.0	70.5	65.4	60.1	88.8	42.6	1.00	0.13	0.00	#R13Y	
029	41.5	0.56	0.364	1.537	-0.081	0.685	24.3	14.7	28.4	31.1	70.5	64.8	63.8	91.0	44.5	1.00	0.14	0.00	#R14Y	
030	41.6	0.565	0.369	1.531	-0.071	0.685	24.1	15.1	28.5	32.2	70.6	64.3	67.6	93.3	46.4	1.00	0.16	0.00	#R16Y	
031	41.6	0.569	0.373	1.525	-0.061	0.686	23.9	15.5	28.5	33.0	70.6	63.7	71.5	95.8	48.2	1.00	0.17	0.00	#R17Y	
032	41.7	0.577	0.381	1.518	-0.048	0.686	23.7	15.9	28.5	33.9	70.6	63.1	75.7	98.0	50.7	1.00	0.18	0.00	#R18Y	
033	41.7	0.577	0.381	1.515	-0.043	0.687	23.5	16.3	28.6	34.7	70.6	62.8	80.6	101.7	51.8	1.00	0.2	0.00	#R20Y	
034	41.7	0.581	0.384	1.51	-0.035	0.688	23.3	16.7	28.7	35.5	70.6	62.3	84.6	105.1	53.6	1.00	0.21	0.00	#R21Y	
035	41.7	0.584	0.388	1.506	-0.027	0.689	23.2	17.0	28.7	36.2	70.7	61.9	89.6	109.0	55.3	1.00	0.22	0.00	#R22Y	
036	41.7	0.588	0.391	1.502	-0.02	0.69	23.0	17.3	28.8	36.9	70.7	61.6	95.2	113.4	57.0	1.00	0.24	0.00	#R24Y	
037	41.7	0.591	0.394	1.498	-0.014	0.691	22.9	17.6	28.8	37.5	70.7	61.2	101.5	118.5	58.8	1.00	0.25	0.00	#R25Y	
038	41.7	0.594	0.397	1.495	-0.008	0.692	22.7	17.8	28.9	38.0	70.7	60.9	108.2	124.2	60.6	1.00	0.26	0.00	#R26Y	
039	41.6	0.598	0.401	1.491	0.0	0.694	22.5	18.1	28.9	38.7	70.6	60.5	121.1	135.4	63.4	1.00	0.28	0.00	#R28Y	
040	41.6	0.603	0.403	1.487	0.001	0.695	22.3	18.4	28.9	39.5	70.6	60.2	132.2	146.6	66.2	1.00	0.29	0.00	#R29Y	
041	41.3	0.593	0.406	1.458	0.0	0.669	22.0	18.8	28.9	40.5	71.7	58.6	123.3	136.3	64.8	1.00	0.3	0.00	#R30Y	
042	44.2	0.59	0.409	1.44	0.0	0.655	21.6	19.2	29.0	41.5	72.3	56.0	124.4	136.7	65.5	1.00	0.32	0.00	#R32Y	
043	45.1	0.587	0.412	1.423	0.0	0.642	21.3	19.6	29.0	42.6	73.3	55.2	125.4	137.0	66.2	1.00	0.33	0.00	#R33Y	
044	46.1	0.584	0.415	1.405	0.0	0.63	21.0	20.0	43.6	73.6	53.8	126.4	137.4	66.9	1.00	0.34	0.00	0.00	#R34Y	
045	47.1	0.581	0.418	1.388	0.0	0.617	20.6	20.5	29.1	44.7	74.2	52.4	127.3	137.7	67.6	1.00	0.36	0.00	0.00	#R36Y
046	48.1	0.578	0.421	1.372	0.0	0.606	20.3	20.9	29.1	45.8	74.9	51.0	128.2	138.0	68.2	1.00	0.37	0.00	0.00	#R37Y
047	49.1	0.575	0.424	1.356	0.0	0.595	19.9	21.3	29.2	46.9	75.5	49.7	129.0	138.3	68.9	1.00	0.38	0.00	0.00	#R38Y
048	50.6	0.572	0.426	1.342	0.0	0.585	19.6	21.7	29.3	47.9	76.1	48.3	129.8	138.5	69.5	1.00	0.4	0.00	0.00	#R40Y
049	51.0	0.569	0.429	1.326	0.0	0.575	19.2	22.2	29.3	49.1	76.7	47.0	130.7	138.9	70.2	1.00	0.41	0.00	0.00	#R41Y
050	51.9	0.567	0.432	1.312	0.0	0.565	18.8	22.6	29.4	50.2	77.2	45.6	131.6	139.3	70.8	1.00	0.42	0.00	0.00	#R42Y
051	52.8	0.564	0.434	1.299	0.0	0.557	18.4	22.9	29.4	51.2	77.7	44.4	132.3	139.6	71.4	1.00	0.43	0.00	0.00	#R43Y
052	53.5	0.562	0.436	1.287	0.0	0.55	18.0	23.2	29.4	52.1	78.2	43.2	133.0	139.9	71.9	1.00	0.45	0.00	0.00	#R45Y
053	54.2	0.56	0.438	1.276	0.0	0.543	17.7	23.6	29.5	53.1	78.6	42.1	133.6	140.1	72.5	1.00	0.46	0.00	0.00	#R46Y
054	54.9	0.558	0.44	1.265	0.0	0.537	17.3	23.8	29.5	54.0	79.0	41.0	134.2	140.4	73.0	1.00	0.47	0.00	0.00	#R47Y
055	55.6	0.555	0.443	1.254	0.0	0.53	16.9	24.2	29.5	54.9	79.4	39.9	134.8	140.6	73.5	1.00	0.49	0.00	0.00	#R49Y
056	56.4	0.553	0.445	1.243	-0.001	0.524	16.5	24.5	29.5	55.9	79.8	38.7	135.5	140.9	74.0	1.00	0.5	0.00	0.00	#R50Y
057	57.1	0.551	0.447	1.233	-0.001	0.518	16.1	24.8	29.6	56.9	80.2	37.6	136.1	141.2	74.5	1.00	0.51	0.00	0.00	#R51Y
058	57.9	0.549	0.449	1.222	-0.001	0.512	15.7	25.1	29.6	57.9	80.7	36.4	136.7	141.4	75.0	1.00	0.53	0.00	0.00	#R53Y
059	58.6	0.547	0.451	1.211	-0.001	0.507	15.3	25.4	29.7	58.9	81.1	35.3	137.2	141.7	75.5	1.00	0.54	0.00	0.00	#R54Y
060	59.4	0.545	0.453	1.201	-0.001	0.501	14.9	25.8	29.8	59.9	81.5	34.1	137.8	142.0	76.0	1.00	0.55	0.00	0.00	#R55Y
061	60.1	0.542	0.455	1.191	-0.001	0.496	14.4	26.1	2											



**rgb<sub>AB</sub><sup>CAB</sup> and CIE-Daten eines Elementar-Bunttonkreises nach CIE RI-47 für Ostwald-Farben für CIE-Lichtart D65**

**X<sub>xy</sub>, x<sub>AB</sub><sup>ABC</sup>, y<sub>AB</sub><sup>ABC</sup>, Lab<sub>AB</sub><sup>Lab</sup> at h<sub>AB</sub>-Daten zu relative Stufung des Elementarbunttons h<sub>AB</sub> von L<sup>1</sup>NYAB für CIE-2-Grad Beobachter**

**Elementar-Bunttonkreise mit 4 Ziel-Elementar-Bunttonwinkeln: h<sub>AB</sub> = 17.7, 93.3, 159.1, 270.8 von L<sup>1</sup>NYAB und 2, 70 Ziel-Bunttonwinkeln:**

**180, 181, ..., 269, L<sup>1</sup>NYAB-Daten CIE-Testfarben 9 (R): 11.2 9.9 3.1, 10 (Y): 59.0 -1.2 20.9, 11 (G): 20.3 -1.2 20.0, 12 (B): 6.4 0.1 -8.2**

no.	AB <sup>Y</sup>	x <sub>69</sub>	L <sup>1</sup> NYAB	a	b	C <sup>1</sup> est	A	B	3, 10	h <sub>AB</sub>	L*	a*	b*	C <sup>1</sup> ab	h <sub>ab</sub>	rgb <sub>AB</sub> <sup>ab</sup>	Code <sub>AB</sub>		
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	179.1	0.00	1.00	0.37	G18B
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	0.4	100.1	179.0	0.00	1.00	0.39	G19B
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	G20B
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	G21B
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	G22B
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	G23B
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	G24B
187	59.0	0.166	0.375	0.442	-0.486	0.51	-29.9	-3.0	30.1	185.7	81.3	-94.2	-6.3	94.4	183.8	0.00	1.00	0.49	G25B
188	59.0	0.166	0.372	0.445	-0.495	0.507	-29.7	-3.6	30.2	186.7	81.3	-93.2	-7.4	93.5	184.5	0.00	1.00	0.51	G26B
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	G27B
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	G28B
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	G28B
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	G29B
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	G30B
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	G31B
195	58.9	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	G32B
196	58.8	0.165	0.345	0.478	-0.563	0.489	-27.8	-7.7	28.8	195.6	81.2	-85.6	-15.5	86.9	190.2	0.00	1.00	0.65	G33B
197	58.8	0.165	0.342	0.482	-0.576	0.488	-27.5	-8.2	28.7	196.7	81.2	-84.7	-16.5	86.3	190.9	0.00	1.00	0.67	G33B
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	G34B
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	-17.8	84.9	192.3	0.00	1.00	0.71	G35B
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	G36B
201	58.7	0.164	0.33	0.498	-0.611	0.485	-26.5	-10.3	28.5	201.0	81.1	-81.0	-20.0	83.4	193.9	0.00	1.00	0.74	G37B
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	G38B
203	58.6	0.164	0.323	0.507	-0.633	0.484	-25.9	-11.5	28.4	205.3	81.1	-77.8	-22.2	81.9	196.7	0.00	1.00	0.78	G40B
204	58.6	0.163	0.321	0.512	-0.643	0.483	-25.6	-12.1	28.4	207.9	81.1	-75.7	-23.3	81.2	198.6	0.00	1.00	0.8	G41B
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	G41B
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	G41B
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	-25.8	79.3	199.0	0.00	1.00	0.85	G42B
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	G43B
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	G44B
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	G45B
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	G46B
212	58.3	0.163	0.301	0.543	-0.709	0.49	-23.7	-15.9	28.6	214.0	80.9	-70.9	-29.5	76.8	202.6	0.00	1.00	0.94	G47B
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	G48B
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	G49B
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	0.99	1.00	G50B
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	0.98	1.00	G50B
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	0.96	1.00	G51B
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	0.94	1.00	G52B
219	58.2	0.164	0.291	0.563	-0.746	0.496	-22.5	-18.1	28.9	218.7	80.8	-66.8	-32.8	74.4	206.2	0.00	0.92	1.00	G53B
220	58.1	0.164	0.289	0.567	-0.751	0.497	-22.3	-18.4	28.9	219.4	80.8	-66.1	-33.2	74.1	206.7	0.00	0.9	1.00	G54B
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	0.89	1.00	G55B
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	0.87	1.00	G56B
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	0.85	1.00	G57B
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	0.83	1.00	G58B
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	0.82	1.00	G58B
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	0.8	1.00	G59B
227	50.9	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	0.78	1.00	G59B
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	212.6	0.00	0.76	1.00	G61B
229	48.9	0.147	0.264	0.557	-0.889	0.6	-19.2	-22.2	29.3	229.1	75.4	-64.1	-42.3	76.8	213.4	0.00	0.74	1.00	G62B
230	47.0	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	0.73	1.00	G63B
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	0.71	1.00	G64B
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	0.69	1.00	G65B
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	0.67	1.00	G66B
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	0.65	1.00	G67B
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	0.64	1.00	G67B
236	43.5	0.14	0.245	0.57	-0.998	0.679	-16.5	-24.5	29.5	235.9	71.9	-59.3	-48.3	76.5	219.1	0.00	0.62	1.00	G68B
237	42.8	0.139	0.243	0.572	-1.016	0.692	-16.1	-24.8	29.6	236.9	71.4	-58.5	-49.1	76.4	220.0	0.00	0.6	1.00	G69B
238	42.0	0.138	0.24	0.575	-1.034	0.706	-15.7	-25.1	29.6	237.9	70.9	-57.6	-50.0	76.3	220.9	0.00	0.58	1.00	G70B
239	41.3	0.137	0.237	0.579	-1.052	0.72	-15.3	-25.4	29.7	238.9	70.4	-56.6	-50.9	76.1	221.9	0.00	0.56	1.00	G71B
240	40.5	0.136	0.234	0.582	-1.071	0.734	-14.9	-25.8	29.8	239.9	69.8	-55.6	-51.8	76.0	222.9	0.00	0.55	1.00	G72B
241	39.8	0.135	0.231	0.586	-1.091	0.75	-14.4	-26.1	29.8	240.9	69.3	-54.6							

rgb<sub>ABC</sub><sup>ab</sup> und CIE-Daten eines Elementar-Bunttonkreises nach CIE R1-47 für Ostwald-Farben für CIE-Licht D65

Yxy, abc<sub>AB</sub>, ABC<sub>AB</sub>, LabC<sub>ab</sub><sup>ab</sup>-Daten zu relative Stufung des Elementarbunttons L<sub>AB</sub> von L<sub>IN</sub>YAB für CIE-2-Grad Beobachter

Elementar-Bunttonkreis mit 4 ZIE-Elementar-Bunttonwinkeln: h<sub>AB</sub> = 17.7, 93.3, 159.1, 270.8 von L<sub>IN</sub>YAB und 90 ZIE-Bunttonwinkeln:

270, 271, ..., 360, L<sub>IN</sub>YAB-Daten CIE-Testfarben 9 (R): 11.2 9.9 3.1, 10 (Y): 59.9 -1.0 20.9, 11 (G): 20.3 -0.7 2.7, 12 (B): 6.4 0.1 -8.2

no.	AB <sup>Y</sup>	x	Y	a	b	C <sub>AB</sub>	A	B	C <sub>AB</sub>	h <sub>AB</sub>	L*	a*	b*	C <sub>ab</sub>	h <sub>ab</sub>	rgb <sub>ABC</sub> <sup>ab</sup>	Code <sub>AB</sub>		
270	19.2	0.127	0.132	0.963	-2.244	1.809	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	% 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	-85.1	85.2	272.6	0.00 0.00 1.00	0.00	% B00R	
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 0.02 1.00	0.00	% B01R	
273	17.1	0.127	0.119	1.066	-2.512	2.108	1.9	-35.5	35.6	273.2	48.4	10.8	-88.1	88.8	277.0	0.04 0.04 1.00	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 0.05 1.00	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	% B03R	
276	15.0	0.129	0.107	1.205	-2.85	2.428	3.8	-36.3	36.6	276.0	45.7	21.9	-92.6	95.1	283.3	0.09 0.00 1.00	0.00	% B04R	
277	14.3	0.129	0.102	1.264	-2.989	2.573	4.5	-36.5	36.8	277.0	44.7	26.1	-94.2	97.7	285.5	0.11 0.00 1.00	0.00	% B05R	
278	13.7	0.127	0.087	1.347	-3.139	2.738	5.2	-36.6	37.0	278.0	43.6	30.3	-95.9	100.0	287.8	0.13 0.00 1.00	0.00	% B06R	
279	12.7	0.131	0.092	1.413	-3.349	2.951	5.9	-37.1	37.6	279.1	42.3	36.0	-97.9	104.3	290.1	0.15 0.00 1.00	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	% 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	% 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	0.20 0.00 1.00	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	% 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	-109.0	127.2	301.0	0.24 0.00 1.00	0.00	% B12R	
285	7.9	0.137	0.061	2.255	-5.235	4.973	10.7	-38.3	39.8	285.1	33.5	71.7	-111.1	132.3	303.8	0.26 0.00 1.00	0.00	% B13R	
286	7.4	0.137	0.052	2.488	-5.677	5.447	11.7	-38.4	40.2	286.0	32.0	76.8	-113.3	138.9	306.7	0.27 0.00 1.00	0.00	% B14R	
287	5.6	0.128	0.045	2.845	-7.295	7.117	10.7	-38.7	40.7	285.4	28.5	84.7	-119.6	146.5	305.3	0.30 0.00 1.00	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	% 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	% B17R	
290	7.1	0.157	0.055	2.846	-5.713	5.607	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	% B17R	
291	7.6	0.163	0.057	2.826	-5.395	5.302	14.2	-37.6	40.3	290.7	33.1	92.7	-111.2	144.8	309.8	0.37 0.00 1.00	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	310.5	0.39 0.00 1.00	0.00	% B19R	
293	8.4	0.175	0.063	2.788	-4.826	4.76	15.6	-37.2	40.3	293.3	34.9	94.7	-108.0	143.7	312.2	0.44 0.00 1.00	0.00	% B20R	
294	8.9	0.185	0.065	2.758	-4.569	4.504	16.3	-37.0	40.4	294.7	35.8	95.8	-106.5	143.0	313.9	0.51 0.00 1.00	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	% B22R	
296	9.9	0.194	0.071	2.736	-4.12	4.095	17.7	-36.5	40.6	295.8	37.7	97.6	-103.2	142.1	313.4	0.47 0.00 1.00	0.00	% B23R	
297	10.4	0.201	0.073	2.72	-3.919	3.907	18.4	-36.3	40.7	296.9	38.6	98.7	-101.6	141.6	314.1	0.48 0.00 1.00	0.00	% B24R	
298	10.9	0.207	0.076	2.704	-3.733	3.735	19.1	-36.0	40.8	299.0	39.4	99.6	-100.0	141.2	314.8	0.5	0.00 1.00	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	% B26R	
300	11.9	0.219	0.082	2.675	-3.4	3.429	20.6	-35.5	41.1	301.0	41.2	101.5	-96.9	140.4	316.3	0.54 0.00 1.00	0.00	% B27R	
301	12.5	0.225	0.084	2.661	-3.251	3.294	21.4	-35.2	41.2	302.1	42.2	102.4	-95.4	140.0	316.9	0.56 0.00 1.00	0.00	% B28R	
302	13.0	0.231	0.087	2.647	-3.13	3.17	22.1	-35.0	41.4	303.2	42.8	103.1	-94.0	139.6	317.6	0.58 0.00 1.00	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	% 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	% 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	% B31R	
306	15.3	0.254	0.097	2.598	-2.65	2.761	25.2	-33.9	42.2	306.6	46	106.5	-88.3	138.3	320.3	0.65 0.00 1.00	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	% 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	% 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	% B35R	
310	17.7	0.274	0.107	2.557	-2.301	2.466	28.1	-32.7	43.3	310.7	49.0	109.3	-83.1	137.2	322.8	0.74 0.00 1.00	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	% 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	% 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	% 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	% 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	% 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	% B42R	
317	21.8	0.306	0.123	2.474	-1.841	2.107	33.2	-30.7	45.2	317.2	53.8	113.3	-74.3	135.2	326.6	0.86 0.00 1.00	0.00	% B43R	
318	22.8	0.31	0.128	2.436	-1.736	1.974	34.3	-30.0	45.6	318.5	55.1	113.9	-71.8	133.9	327.5	0.88 0.00 1.00	0.00	% B44R	
319	24.2	0.319	0.133	2.399	-1.646	1.888	35.1	-29.4	45.8	320.1	56.3	112.7	-69.5	132.5	328.3	0.9	0.00 1.00	0.00	% B45R
320	25.3	0.324	0.137	2.363	-1.57	1.812	35.8	-28.7	45.9	322.2	57.4	112.3	-67.5	131.0	328.9	0.91 0.00 1.00	0.00	% B45R	
321	26.4	0.328	0.141	2.328	-1.504	1.744	36.4	-28.2	46.0	324.2	58.4	111.6	-65.6	129.5	329.5	0.93 0.00 1.00	0.00	% B46R	
322	27.3	0.332	0.144	2.295	-1.446	1.682	36.8	-27.6	46	323.0	59.3	110.9	-63.8	127.9	330.0	0.95 0.00 1.00	0.00	% B47R	
323	28.2	0.335	0.148	2.263	-1.395	1.626	37.1	-27.1	45.9	323.8	60.1	110.0	-62.2	126.4	330.5	0.97 0.00 1.00	0.00	% B48R	
324	29.1	0.337	0.151	2.232	-1.35	1.575	37.3	-26.6	45.8	324.4	60.8	109.1	-60.7	124.8	330.9	1.00 0.00 1.00	0.00	% B49R	
325	29.8	0.34	0.154	2.203	-1.31	1.528	37.4	-26.1	45.6	325.0	61.5	108.1	-59.3	123.3	331.2	1.00 0.00 1.00	0.00	% B50R	
326	31.1	0.344	0.159	2.165	-1.248	1.462	37.6	-25.3	45.5	326.2	62.6	107.0	-58.0	122.2	332.0	1.00 0.00 1.00	0.00	% B51R	
327	32.3	0.348	0.163	2.129	-1.192	1.4	38.1	-24.4	45.2	327.3	63.6	105.8	-56.7	119.1	332.6	1.00 0.00 1.00	0.00	% B52R	
328	33.3	0.351	0.167	2.097	-1.144	1.348	38.2	-23.6	44.9	328.2	64.4	104.6	-52.7	117.2	333.2	1.00 0.00 1.00	0.00	% B53R	
329	34.2	0.354	0.171	2.068	-1.104	1.303	38.3	-22.9	44.6	329.1	65.1	103.5	-50.8	115.3	333.8	1.00 0.00 1.00	0.00	% B54R	
330	35.1	0.357	0.175	2.042	-1.066	1.261	38.3	-22.1	44.2	329.9	65.8	102.4	-49.0	113.5	334.4	1.00 0.00 1.00	0.00	% B55R	
331	35.9	0.36	0.178	2.017	-1.029	1.2													