

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						%

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} <i>h_{ab}</i> -Daten für relative Stufung des Elementar-bunttons <i>h_{AB}</i> von L1NYAB für CIE-2-Grad Beobachter																			
Elementar-Bunttonkreise mit 4-Ziel-Elementar-Bunttonwinkeln: <i>h_{AB}</i> = 17.7, 93.3, 159.1, 270.8 von L1NYAB und 2, 7, 12 Bunttonwinkeln:																			
00.001, ..., 089, L1NYAB-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 27.0, 12 (B): 6.4 0.1 -8.2																			
<i>no</i>	<i>no</i> _{AB}	<i>x</i>	<i>y</i>	<i>a</i>	<i>b</i>	<i>c</i> _{AB}	<i>A</i>	<i>B</i>	<i>C</i> _{AB}	<i>h_{AB}</i>	<i>L</i> *	<i>a</i> *	<i>b</i> *	<i>C</i> *	<i>h_{ab}</i>	<i>rgb</i> * _{ab}	<i>Code</i> _{AB}		
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	#B90R
001	40.8	0.45	0.261	1.72	-0.44	0.77	31.4	-0.1	31.4	359.6	70.0	81.1	-0.5	81.1	359.6	1.00	0.00	0.37	#B1R
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	#B2R
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	#B3R
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	#B4R
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	#B5R
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	#B6R
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	#B7R
008	40.9	0.481	0.283	1.672	-0.348	0.731	29.6	3.7	30.3	6.9	70.1	77.1	10.6	77.6	8.2	1.00	0.00	0.22	#B8R
009	40.9	0.475	0.284	1.67	-0.335	0.726	29.4	4.1	29.7	7.9	70.1	76.7	12.3	77.7	9.1	1.00	0.00	0.19	#B9R
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	#B1R
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	#B2R
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	#B3R
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	#B4R
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	#B5R
015	41.0	0.497	0.304	1.632	-0.258	0.704	28.0	7.2	28.9	14.5	70.2	73.4	23.6	77.1	17.8	1.00	0.00	0.06	#B6R
016	41.0	0.501	0.308	1.626	-0.246	0.699	27.7	7.8	28.8	15.6	70.2	72.8	25.7	77.2	19.0	1.00	0.00	0.03	#B7R
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	#B9R
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	29.9	77.7	22.6	1.00	0.00	0.00	#R0Y
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	#R1Y
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	#R2Y
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	#R4Y
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	#R5Y
023	41.2	0.532	0.337	1.578	-0.152	0.687	25.9	11.5	28.4	24.0	70.4	68.9	43.1	81.1	33.1	1.00	0.06	0.00	#R6Y
024	41.3	0.537	0.341	1.57	-0.141	0.686	25.6	12.1	28.4	25.3	70.4	68.9	46.5	81.8	36.4	1.00	0.08	0.00	#R7Y
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	36.5	1.00	0.09	0.00	#R9Y
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	32.1	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	0.573	0.377	1.52	-0.052	0.686	23.7	15.9	28.5	33.9	70.6	63.2	75.7	98.0	50.0	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	80.8	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	0.602	0.404	1.487	0.001	0.693	22.3	18.4	28.9	39.1	70.6	60.1	128.0	146.5	66.0	1.00	0.29	0.00	#R29Y
041	43.3	0.593	0.406	1.458	0.0	0.669	22.0	18.8	29.0	40.5	71.7	58.0	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	56.6	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	73.0	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	29.0	43.6	73.6	53.8	126.4	137.4	66.9	1.00	0.34	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	#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	#R37Y
047	49.1	0.575	0.424	1.356	0.0	0.602	19.9	21.3	29.2	46.9	75.5	49.7	129.0	138.3	69.0	1.00	0.38	0.00	#R38Y
048	50.0	0.572	0.426	1.342	0.0	0.595	19.6	21.7	29.3	47.9	76.1	48.3	129.8	138.5	69.8	1.00	0.4	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	#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	#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	#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	#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	#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	#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	#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	#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	#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	#R53Y
059	58.6	0.547	0.451																

rgb _{AB} und CIE-Daten eines Elementar-Bunttonkreises nach CIE R1-47 für Ostwald-Farben für CIE-Lichtart D65																												
Yxy _{AB} ABC _{AB} LabC _{AB} ab _{AB} -Daten für relative Stufung des Elementarbunttonkreises h _{AB} von L _{IN} YAB für CIE-2-Grad Beobachter																												
Elementar-Bunttonkreise mit 4-Ziel-Elementar-Bunttonwinkeln: h _{AB} = 17.7, 93.3, 159.1, 270.8 von L _{IN} YAB und 90 Ziel-Bunttonwinkeln:																												
090, 091, ..., 179, L _{IN} YAB-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	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}										
090	80.7	0.483	0.51	0.947	-0.005	0.43	-0.2	34.7	34.7	90.4	92.0	-0.4	143.5	143.5	90.1	1.00	0.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	R95Y	
091	81.1	0.481	0.511	0.941	-0.005	0.43	-0.7	35.0	35.0	91.2	92.3	-1.5	143.2	143.2	90.6	1.00	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	R96Y
092	81.9	0.479	0.512	0.935	-0.005	0.43	-1.2	35.2	35.2	92.0	92.5	-2.4	143.0	143.0	90.9	1.00	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	R97Y
093	82.8	0.477	0.515	0.926	-0.005	0.43	-1.9	35.5	35.6	93.2	92.9	-3.9	142.8	142.8	91.6	1.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	R98Y
094	83.6	0.474	0.516	0.918	-0.006	0.43	-2.6	35.8	35.9	94.2	93.2	-5.2	142.4	142.5	92.1	0.98	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y01G
095	84.2	0.472	0.518	0.911	-0.006	0.43	-3.2	36.1	36.2	95.1	93.5	-6.4	141.8	141.9	92.6	0.97	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y02G
096	84.9	0.47	0.519	0.905	-0.007	0.43	-3.8	36.3	36.5	96.0	93.8	-7.6	140.8	141.0	93.1	0.95	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y04G
097	85.6	0.468	0.521	0.897	-0.008	0.43	-4.5	36.6	36.8	97.0	94.1	-8.9	139.4	139.7	93.6	0.94	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y05G
098	86.2	0.465	0.522	0.889	-0.008	0.43	-5.2	36.8	37.2	98.0	94.4	-10.3	138.0	138.3	94.0	0.93	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y06G
099	87.2	0.462	0.524	0.881	-0.01	0.431	-5.9	37.1	37.6	99.1	94.8	-11.7	136.5	137.0	94.9	0.91	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y08G
100	88.0	0.459	0.525	0.874	-0.011	0.431	-6.7	37.3	37.9	100.2	95.1	-13.1	135.1	135.8	95.5	0.89	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y10G
101	88.8	0.456	0.527	0.866	-0.012	0.431	-7.4	37.6	38.3	101.2	95.5	-14.5	133.8	134.6	96.2	0.88	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y11G
102	89.6	0.454	0.528	0.859	-0.013	0.432	-8.1	37.8	38.1	102.1	95.8	-15.9	132.5	133.5	96.8	0.86	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y13G
103	90.3	0.451	0.529	0.852	-0.014	0.432	-8.8	38.0	38.0	103.0	96.1	-17.1	131.1	132.4	97.4	0.85	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y14G
104	91.2	0.447	0.53	0.843	-0.016	0.432	-9.7	38.2	39.4	104.2	96.5	-18.8	129.1	130.4	98.3	0.83	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y16G
105	92.0	0.444	0.53	0.837	-0.018	0.432	-10.4	38.3	39.7	105.1	96.6	-20.1	126.7	128.3	99.0	0.82	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y17G
106	92.8	0.443	0.528	0.829	-0.019	0.432	-10.9	38.6	40.0	106.0	96.7	-20.9	124.9	126.9	99.5	0.81	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y19G
107	93.4	0.44	0.527	0.836	-0.024	0.426	-10.7	38.0	40.2	105.4	97.8	-20.4	122.1	122.9	99.5	0.79	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y20G
108	93.6	0.434	0.53	0.818	-0.026	0.43	-12.3	38.3	40.2	107.9	97.4	-23.8	118.7	121.1	101.3	0.77	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y22G
109	93.2	0.431	0.532	0.811	-0.026	0.432	-12.9	38.1	40.2	108.8	97.3	-25.1	118.2	120.8	102.0	0.76	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y23G
110	92.8	0.429	0.534	0.803	-0.027	0.434	-13.6	37.9	40.2	109.7	97.1	-26.5	117.6	120.6	102.6	0.74	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y25G
111	92.3	0.426	0.536	0.796	-0.027	0.436	-14.2	37.6	40.1	110.7	96.9	-27.9	117.1	120.4	103.4	0.73	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y26G
112	91.9	0.424	0.538	0.788	-0.027	0.438	-14.9	37.4	40.3	111.7	96.8	-29.4	116.5	120.2	104.1	0.71	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y28G
113	91.6	0.423	0.540	0.780	-0.028	0.437	-15.6	37.3	40.3	112.7	96.6	-30.9	115.9	119.9	104.7	0.7	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y29G
114	91.6	0.418	0.542	0.772	-0.028	0.437	-16.2	37.0	40.4	113.7	96.6	-32.5	115.4	119.9	105.8	0.68	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y31G
115	90.5	0.415	0.544	0.762	-0.029	0.447	-16.9	36.7	40.5	114.7	96.2	-34.2	114.7	119.7	106.5	0.67	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y32G
116	90.0	0.412	0.547	0.753	-0.029	0.451	-17.7	36.5	40.6	115.8	96.0	-35.9	114.1	119.6	107.4	0.65	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y34G
117	89.5	0.409	0.549	0.744	-0.03	0.454	-18.4	36.3	40.7	116.9	95.8	-37.6	113.5	119.6	108.3	0.64	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y35G
118	89.0	0.405	0.551	0.735	-0.03	0.458	-19.1	36.0	40.8	118.0	95.6	-39.4	112.9	119.6	109.2	0.62	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y37G
119	88.5	0.402	0.554	0.725	-0.031	0.462	-19.9	35.8	40.9	119.0	95.3	-41.3	112.2	119.6	110.2	0.6	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y39G
120	88.0	0.398	0.557	0.715	-0.031	0.467	-20.6	35.5	41.1	120.1	95.1	-43.2	111.6	119.7	111.1	0.59	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y40G
121	87.4	0.394	0.559	0.705	-0.032	0.472	-21.4	35.2	41.2	121.2	94.9	-45.2	110.9	118.8	112.1	0.57	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y42G
122	86.2	0.391	0.562	0.695	-0.032	0.477	-22.1	35.0	41.4	122.3	94.2	-47.2	110.2	118.2	113.5	0.55	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y43G
123	86.3	0.387	0.565	0.684	-0.033	0.482	-22.9	34.7	41.6	123.4	94.4	-49.3	109.6	120.1	114.2	0.54	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y45G
124	85.8	0.383	0.568	0.674	-0.033	0.487	-23.7	34.4	41.8	124.5	94.2	-51.4	108.9	120.4	115.2	0.53	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y46G
125	85.2	0.379	0.571	0.663	-0.034	0.493	-24.4	34.2	42.0	125.5	93.9	-53.5	108.2	120.7	116.3	0.51	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y48G
126	84.6	0.374	0.574	0.652	-0.034	0.499	-25.2	33.9	42.2	126.6	93.7	-55.7	107.5	121.1	117.3	0.5	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y49G
127	84.1	0.37	0.577	0.641	-0.035	0.505	-25.9	33.6	42.5	127.6	93.5	-57.9	106.8	121.5	118.4	0.48	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y51G
128	83.5	0.366	0.581	0.63	-0.036	0.511	-26.7	33.3	42.7	128.7	93.2	-60.2	106.1	122.0	119.5	0.47	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y52G
129	82.9	0.361	0.584	0.619	-0.036	0.518	-27.4	33.0	43.0	129.7	93.0	-62.5	105.4	122.5	120.6	0.45	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y54G
130	82.3	0.357	0.																									

rgb _{AB} and CIE-Daten eines Elementar-Bunttonkreises nach CIE RI-47 für Ostwald-Farben für CIE-Lichtart D65																									
Yxy _{AB} <i>ABC</i> _{AB} <i>LabC</i> _{ab} <i>hAB</i> -Daten zu relative Stufung des Elementarbunttons <i>LINYAB</i> für CIE-2-Grad Beobachter																									
Elementar-Bunttonkreis mit 4-Ziel-Elementar-Bunttonwinkeln: <i>h</i> _{AB} = 17.7, 93.3, 159.1, 270.8 von <i>LINYAB</i> und 90 Ziel-Bunttonwinkeln:																									
180, 181, ..., 269, LINYAB-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																									
<i>no.</i> _{AB}	<i>Y</i> _{AB}	<i>x</i>	<i>y</i>	<i>a</i>	<i>b</i>	<i>C</i> _{AB}	<i>A</i>	<i>B</i>	<i>C</i> _{AB}	<i>h</i> _{AB}	<i>L</i> [*]	<i>b</i> [*]	<i>C</i> _{AB}	<i>a</i> [*]	<i>b</i> [*]	<i>C</i> _{AB}	<i>h</i> _{AB}	<i>rgb</i> _{AB}	<i>Code</i> _{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	0.5	181.1	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	-100.0	1.4	180.1	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	0.503	-29.9	-3.0	30.1	185.8	81.3	-94.2	-6.3	94.4	183.8	0.00	1.00	0.49	G258						
188	59.0	0.166	0.372	0.445	-0.495	0.507	-29.7	-3.7	29.9	186.8	81.3	-93.2	-7.5	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	0.163	0.345	0.48	-0.567	0.481	-27.7	-7.7	28.8	195.6	81.2	-85.5	-15.5	88.9	190.5	0.00	1.00	0.65	G338						
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	-16.3	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	58.7	0.163	0.323	0.507	-0.631	0.484	-25.9	-11.5	28.4	203.8	81.1	-78.8	-22.2	81.9	195.7	0.00	1.00	0.78	G398						
204	58.6	0.164	0.32	0.512	-0.642	0.483	-25.6	-12.1	28.4	205.3	81.1	-77.8	-23.3	81.0	196.6	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	28.5	213.9	80.9	-71.0	-29.5	76.8	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	0.99	1.00	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	0.98	1.00	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	0.96	1.00	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	0.94	1.00	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	0.92	1.00	G538						
220	58.3	0.163	0.289	0.567	-0.753	0.497	-22.3	-18.4	28.9	219.4	80.9	-66.0	-33.2	73.8	206.8	0.00	0.9	1.00	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	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	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	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</									

rgb* _{AB} und CIE-Daten eines Elementar-Bunttonkreises nach CIE R1-47 für Ostwald-Farben für CIE-Lichtart D65																			
Yxy _{AB} , abc _{AB} , ABC _{AB} , LabC* _{ab} _{AB} -Daten für relative Stufung des Elementarbunttons h _{AB} von L1NYAB für CIE-2-Grad Beobachter																			
Elementar-Bunttonkreise mit 4-Ziel-Elementar-Bunttonwinkeln: h _{AB} = 17, 93,3, 159,1, 270,8 von L1NYAB und 90 Ziel-Bunttonwinkeln:																			
270, 271, ..., 360, L1NYAB-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 27, 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}
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	% 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	0.0	0.0	1.00	% 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	% B01R
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	% 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	% 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	% 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	% 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	97.3	285.5	0.11	0.00	1.00	% B05R
278	13.5	0.129	0.097	1.303	-3.122	2.724	5.2	-36.9	37.0	278.0	43.7	30.3	-96.4	100.9	287.7	0.13	0.00	1.00	% B06R
279	12.7	0.131	0.092	1.414	-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	% 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	% B08R
281	11.1	0.133	0.082	1.616	-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	% B09R
282	10.3	0.134	0.077	1.739	-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	% 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	% 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	300.8	0.24	0.00	1.00	% B12R
285	7.9	0.137	0.061	2.251	-5.235	5.073	10.4	-38.3	39.7	285.1	33.9	71.7	-112.0	132.3	302.8	0.26	0.00	1.00	% B13R
286	7.6	0.138	0.052	2.482	-5.602	5.907	10.3	-38.5	40.0	286.0	32.9	76.0	-115.0	137.9	305.0	0.28	0.00	1.00	% 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	% 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	% 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	% 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	% B17R
291	7.6	0.163	0.057	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	% B18R
292	8.0	0.169	0.06	2.887	-5.099	5.02	14.9	-37.4	40.3	291.7	34.0	93.7	-109.6	144.2	310.3	0.39	0.00	1.00	% B19R
293	8.4	0.175	0.063	2.788	-4.826	4.56	14.9	-37.2	40.3	293.1	34.9	95.8	-108.0	145.7	312.2	0.42	0.00	1.00	% B20R
294	8.9	0.18	0.065	2.57	-4.515	4.156	16.2	-37.0	40.4	293.7	35.8	95.8	-106.4	147.9	314.1	0.43	0.00	1.00	% 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	% 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	% B23R
297	10.4	0.201	0.073	2.72	-3.919	3.997	18.4	-36.3	40.7	296.9	38.6	98.7	-101.6	141.4	314.1	0.48	0.00	1.00	% 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	% 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	% 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	% 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	% B28R
302	13.0	0.231	0.087	2.647	-3.13	3.17	22.1	-35.0	41.4	302.3	42.9	103.2	-94.0	139.7	317.5	0.58	0.00	1.00	% 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	% 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	% 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	% 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	% 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	% 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	% 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	% B35R
310	17.6	0.274	0.107	2.554	-2.291	2.456	28.1	-32.7	43.2	310.7	49.0	109.3	-83.0	137.2	322.7	0.73	0.00	1.00	% 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	% 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	% 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	% 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	% 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	% 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	% B42R
317	21.23	0.266	0.122	2.584	-1.861	2.079	33.0	-30.7	45.2	317.0	53.8	113.0	-74.7	135.5	322.6	0.86	0.00	1.00	% B43R
318	20.9	0.313	0.128	2.436	-1.861	1.974	34.3	-30.0	45.6	318.8	55.1	113.0	-71.8	133.9	327.5	0.88	0.00	1.00	% 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	% 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	329.5	0.91	0.00	1.00	% B46R
321	26.4	0.328	0.141	2.328	-1.504	1.744	36.4	-28.0	46.0	322.2	58.4	111.6	-66.5	129.5	329.5	0.93	0.00	1.00	% B45R
322	27.3	0.332	0.144	2.295	-1.446	1.682	36.8	-27.6	46.0	323.0	59.3	110.9	-63.8	127.9	330.0	0.95	0.00	1.00	% 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	% 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	% 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	0.98	% B50R
326	31.1	0.344	0.159	2.165	-1.248	1.462	37.7	-25.3	45.5	325.2	62.6	107.0	-57.0	122.1	332.0	1.00	0.00	0.96	% B51R
327	32.3	0.348	0.163	2.129	-1.192	1.4	38.1	-24.4	45.2	327.3	63.6	105.4	-54.7	119.1	332.6	1.00	0.00	0.94	% B52R
328	33.3	0.351	0.167	2.097	-1.144	1.348	38.2	-23.6	44.9	328.2	64.4								

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					%	
0-001000-L0										VG490-7X				

rgb*_aB* und -CIE-Daten eines Elementar-Bunttonkreises nach CIE R1-47 für Ostwald-Farben für CIE-Lichtart D65																									
Yxy, <i>a</i> _B , <i>b</i> _B , <i>ABC</i> _B , <i>LabC</i> * _a <i>b</i> _B -Daten für relative Stufung des Elementarbunttons <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:																									
000, 001, ..., 189, 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>	<i>a</i> _B	<i>b</i> _B	<i>Y</i> ₁₀	<i>q</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> * _{a,b,10}	<i>h</i> * _{a,b,10}	<i>rgb</i> * _{a,b,10}	<i>rgb</i> * _{a,b,10}	<i>Code</i> _{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	357.7	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	-0.408	0.734	29.5	0.8	29.5	10.4	69.5	77.7	2.0	77.7	11.0	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	77.2	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	76.7	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	1.638	-0.316	0.74	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	0.48	0.294	1.632	-0.303	0.695	27.7	5.0	28.6	10.4	69.8	73.4	16.1	75.0	12.0	1.00	0.00	0.05	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	74.5	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	0.51	0.321	1.583	-0.208	0.673	26.0	9.0	27.5	19.1	70.1	69.2	31.7	76.0	24.9	1.00	0.06	0.00	B06Y						
024	48.9	0.514	0.326	1.575	-0.195	0.67	25.7	9.7	27.4	20.4	70.1	68.5	34.7	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	43.1	1.00	0.18	0.00	B18Y						
032	49.6	0.553	0.364	1.519	-0.089	0.664	23.7	14.0	27.6	30.6	70.5	63.5	59.7	87.8	45.6	1.00	0.2	0.00	B20Y						
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	75.0	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	42.0	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	42.2	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	42.3	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	42.4	0.597	0.407	1.465	0.007	0.673	21.9	18.3	28.5	40.0	71.1	58.4	120.6	133.7	64.9	1.00	0.31	0.00	B31Y						
041	43.5	0.602	0.419	1.435	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	44.4	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	45.3	0.603	0.431	1.397	0.032	0.644	20.4	20.9	29.2	45.7	73.1	53.0	183.4	199.0	73.8	1.00	0.36	0.00	B36Y						
044	46.3	0.6	0.434	1.381	0.032	0.633	20.0	21.3	29.3	46.7	73.7	51.7	184.8	192.0	74.3	1.00</									

rgb* _{AB} and CIE-Daten eines Elementar-Bunttonkreises nach CIE R1-47 für Ostwald-Farben für CIE-Lichtart D65																								
Yxy _{AB} ABC _{AB} LabC* _{ab} _{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} = 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 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*	a*	b*	C* _{ab,10}	h _{AB,10}	rgb*	AB,10	Code	AB,10					
090	88.8	0.481	0.509	0.936	-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	Y050					
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	Y060					
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	Y080					
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	Y090					
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	Y110					
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	Y120					
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	Y130					
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	Y150					
098	85.2	0.462	0.519	0.887	-0.012	0.42	-5.3	36.3	36.3	98.2	94.2	-10.2	130.8	131.3	94.3	0.83	1.00	0.00	Y160					
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	Y180					
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	129.7	95.4	0.8	1.00	0.00	Y190					
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	Y210					
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	Y220					
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	Y230					
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	Y250					
105	92.2	0.44	0.518	0.848	-0.031	0.408	-9.1	36.6	37.8	103.4	96.9	-17.6	119.2	114.1	99.0	0.73	1.00	0.00	Y260					
106	92.9	0.434	0.518	0.839	-0.033	0.409	-9.8	36.7	37.8	105.9	96.9	-19.2	118.3	113.3	100.3	0.71	1.00	0.00	Y280					
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	Y290					
108	91.7	0.43	0.522	0.823	-0.036	0.412	-11.4	36.6	37.8	107.6	96.7	-22.3	109.1	111.3	101.5	0.68	1.00	0.00	Y310					
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	Y320					
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	Y330					
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	Y350					
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	Y360					
113	89.7	0.418	0.531	0.787	-0.037	0.423	-14.4	35.3	38.3	112.3	95.9	-29.0	106.6	111.3	105.0	0.61	1.00	0.00	Y380					
114	89.3	0.416	0.534	0.781	-0.037	0.427	-15.0	35.0	38.1	113.3	95.8	-30.4	105.7	111.3	105.3	0.59	1.00	0.00	Y390					
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	Y410					
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	Y420					
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	Y430					
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	Y450					
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	Y460					
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	Y480					
121	85.4	0.395	0.551	0.716	-0.038	0.454	-20.8	33.4	38.8	120.6	94.1	-42.3	104.8	113.1	110.9	0.5	1.00	0.00	Y490					
122	84.9	0.391	0.554	0.706	-0.038	0.459	-21.5	33.2	38.9	121.7	93.9	-44.2	104.4	113.3	112.9	0.48	1.00	0.00	Y510					
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	113.7	0.47	1.00	0.00	Y520					
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	Y530					
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	Y550					
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	Y560					
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	Y580					
128	80.7	0.367	0.572	0.642	-0.041	0.493	-24.6	31.3	39.8	128.9	92.2	-56.6	100.6	115.4	119.3	0.4	1.00	0.00	Y590					
129	79.9	0.362	0.575	0.63	-0.042	0.498	-25.4	30.9	40.0	129.9	91.6	-59.0	99.5	115.7	120.6	0.38	1.00	0.00	Y610					
130	79.3	0.359	0.578	0.618	-0.043	0.507	-26.1	30.6	40.1	131.0	91.5	-61.8	98.3	116.3	121.9	0.37	1.00	0.00	Y630					
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	Y630					
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	Y650					
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	Y660					
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	Y680					
135	75.0	0.33	0.593	0.557	-0.051	0.543	-29.3	28.3	40.9	135.9	89.4	-73.7	92.2	118.0	128.6	0.3	1.00	0.00	Y690					
136	74.2	0.325	0.596	0.545	-0.052	0																		

rgb* _{AB} and CIE-Daten eines Elementar-Bunttonkreises nach CIE R1-47 für Ostwald-Farben für CIE-Lichtart D65																									
Xyy, <i>c</i> _{AB} , <i>a</i> _{AB} , <i>b</i> _{AB} , <i>L</i> _{AB} , <i>a</i> _{AB} , <i>b</i> _{AB} zur relative Stufung des Elementarbunttons <i>h</i> _{AB} von LINYAB für CIE-10-Grad Beobachter																									
Elementar-Bunttonkreis mit 4 Ziel-Elementar-Bunttonwinkeln: <i>h</i> _{AB} = 18.2, 86.3, 156.2, 260.1 von LINYAB und 90 Ziel-Bunttonwinkeln:																									
180, 181, ..., 269, 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>	<i>AB</i>	<i>x</i>	<i>y</i>	<i>Y</i>	<i>a</i>	<i>b</i>	<i>L</i>	<i>a</i>	<i>b</i>	<i>L</i>	<i>a</i>	<i>b</i>	<i>L</i>	<i>a</i>	<i>b</i>	<i>L</i>	<i>a</i>	<i>b</i>	<i>L</i>	<i>a</i>	<i>b</i>	<i>L</i>	<i>a</i>	<i>b</i>	<i>L</i>
<i>no.</i>	<i>AB</i>	<i>x</i>	<i>y</i>	<i>Y</i>	<i>a</i>	<i>b</i>	<i>L</i>	<i>a</i>	<i>b</i>	<i>L</i>	<i>a</i>	<i>b</i>	<i>L</i>	<i>a</i>	<i>b</i>	<i>L</i>	<i>a</i>	<i>b</i>	<i>L</i>	<i>a</i>	<i>b</i>	<i>L</i>	<i>a</i>	<i>b</i>	<i>L</i>
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	0.62	28.0	73.6	16.2	0.00	1.00	0.45
181	41.8	0.485	0.304	1.593	-0.274	0.664	27.0	6.4	27.7	13.2	70.7	79.6	29.6	73.6	16.0	0.00	1.00	0.47	0.62	28.0	73.6	16.0	0.00	1.00	0.47
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	0.62	28.0	73.6	15.7	0.00	1.00	0.49
183	41.7	0.484	0.302	1.597	-0.281	0.666	27.1	6.1	27.8	12.8	70.7	79.9	19.6	73.6	15.4	0.00	1.00	0.51	0.62	28.0	73.6	15.4	0.00	1.00	0.51
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	0.62	28.0	73.6	15.2	0.00	1.00	0.53
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	0.62	28.0	73.6	14.9	0.00	1.00	0.55
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	0.62	28.0	73.6	14.6	0.00	1.00	0.57
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	0.62	28.0	73.6	14.4	0.00	1.00	0.59
188	41.7	0.481	0.3	1.603	-0.291	0.669	27.3	5.7	27.9	11.8	70.6	71.4	18.0	73.7	14.1	0.00	1.00	0.61	0.63	28.0	73.7	14.1	0.00	1.00	0.61
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	0.63	28.0	73.7	13.9	0.00	1.00	0.63
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	0.64	28.0	73.7	13.6	0.00	1.00	0.64
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	0.64	28.0	73.7	13.3	0.00	1.00	0.66
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	0.64	28.0	73.7	13.1	0.00	1.00	0.68
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	0.64	28.0	73.8	12.8	0.00	1.00	0.7
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	0.64	28.0	73.8	12.6	0.00	1.00	0.72
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	0.64	28.0	73.8	12.3	0.00	1.00	0.74
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	0.64	28.0	73.8	12.1	0.00	1.00	0.76
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	0.64	28.0	73.9	11.8	0.00	1.00	0.78
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	0.64	28.0	73.9	11.6	0.00	1.00	0.8
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	0.64	28.0	74.0	11.3	0.00	1.00	0.82
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	0.64	28.0	74.0	11.1	0.00	1.00	0.84
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	0.64	28.0	74.0	10.8	0.00	1.00	0.86
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	0.64	28.0	74.1	10.6	0.00	1.00	0.88
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	0.64	28.0	74.1	10.3	0.00	1.00	0.9
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	0.64	28.0	74.1	10.1	0.00	1.00	0.91
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	0.64	28.0	74.2	9.9	0.00	1.00	0.93
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	0.64	28.0	74.2	9.6	0.00	1.00	0.95
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	0.64	28.0	74.3	9.4	0.00	1.00	0.97
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	0.64	28.0	74.3	9.2	0.00	1.00	0.99
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	1.00	0.64	28.0	74.4	8.9	0.00	1.00	1.00
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	1.00	0.64	28.0	74.4	8.7	0.00	1.00	1.00
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	1.00	0.64	28.0	74.5	8.5	0.00	1.00	1.00
212	41.4	0.467	0.286	1.631	-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	1.00	0.64	28.0	74.5	8.2	0.00	1.00	1.00
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	1.00	0.64	28.0	74.6	8.0	0.00	1.00	1.00
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	1.00	0.64	28.0	74.6	7.8	0.00	1.00	1.00
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	1.00	0.64	28.0	74.7	7.6	0.00	1.00	1.00
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	1.00	0.64	28.0	74.8	7.3	0.00	1.00	1.00
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	1.00	0.64	28.0	74.8	7.1	0.00	1.00	1.00
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	1.00	0.64	28.0	74.9	6.9	0.00	1.00	1.00
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	1.00	0.64	28.0	74.9	6.7	0.00	1.00	1.00
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	8.4	75.0	6.5	0.00	1.00	1.00	0.64	28.0	75.0	6.5	0.00	1.00	1.00
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	1.00	0.64	28.0	75.1	6.2	0.00	1.00	1.00
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	1.00	0.64	28.0	75.1	6.0	0.00	1.00	1.00
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	1.00	0.64	28.0	75.2	5.8	0.00	1.00	1.00
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												

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,AB} -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>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	48.7	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	% B08R
271	48.7	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	% B09R
272	48.7	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	% B10R
273	48.7	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	% B10R
274	48.7	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	% B11R
275	48.7	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	% B12R
276	48.6	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	% B13R
277	48.6	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	% B14R
278	48.6	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	% B15R
279	48.6	0.437	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	% B15R
280	48.6	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	% B16R
281	48.6	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	% B17R
282	48.6	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	% B18R
283	48.6	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	% B19R
284	48.6	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	% B20R
285	48.6	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	% B21R
286	48.6	0.434	0.254	1.709	-0.489	0.763	30.8	-2.4	30.9	355.4	69.9	80.3	-6.6	80.6	355.2	0.43	0.00	1.00	% B21R
287	48.5	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	% B22R
288	48.5	0.433	0.253	1.71	-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	% B23R
289	48.5	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	% B24R
290	48.5	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	% B25R
291	48.5	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	% B26R
292	48.5	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	% B26R
293	48.5	0.432	0.251	1.715	-0.501	0.771	31.1	-2.9	31.2	354.6	69.8	80.7	-7.9	81.2	354.4	0.55	0.00	1.00	% B27R
294	48.5	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	% B28R
295	48.5	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	% B29R
296	48.4	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	% B30R
297	48.4	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	% B31R
298	48.4	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	% B32R
299	48.4	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	% B33R
300	48.4	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	% B33R
301	48.4	0.429	0.248	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	% B34R
302	48.4	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	% B35R
303	48.4	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	% B36R
304	48.4	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	% B37R
305	48.4	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	% B37R
306	48.3	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	% B38R
307	48.3	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	% B39R
308	48.3	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	% B40R
309	48.3	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	% B41R
310	48.3	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	% B42R
311	48.3	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	% B43R
312	48.3	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	% B44R
313	48.3	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	% B45R
314	48.3	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	% B46R
315	48.3	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	% B47R
316	48.3	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	% B47R
317	48.2	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	% B48R
318	48.2	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	% B48R
319	48.2	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	% B49R
320	48.2	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	% B50R
321	48.2	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	% B51R
322	48.2	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	% B52R
323	48.2	0.423	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	% B53R
324	48.2	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	% B54R
325	48.2	0.422	0.242	1.743	-0.552	0.804	31.9	-4.9	32.3	351.1	69.6	83.0	-12.9	84.0	351.1	1.00	0.00	0.9	% B54R
326	48.2	0.422	0.242	1.744	-0.553	0.805	32.0	-5.0	32.4	351.0	69.6	83.1	-13.0	84.1	351.0	1.00	0.00.		

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, <i>abc</i> _{AB} , <i>ABC</i> _{AB} , <i>LabC</i> _{ab} , <i>h_{ab}</i> -Daten für relative Stufung des Elementar-bunttons <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:																				
00.00, ..., 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																				
<i>no.</i>	<i>ab</i>	<i>Y</i>	<i>x</i>	<i>y</i>	<i>a</i>	<i>b</i>	<i>c</i>	<i>AB</i>	<i>A</i>	<i>B</i>	<i>AB</i>	<i>h_{AB}</i>	<i>L</i>	<i>a*</i>	<i>b*</i>	<i>C</i>	<i>h_{AB}</i>	<i>rgb_{ab}</i>	<i>Code_{ab}</i>	
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	B79R
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	70.0	79.2	4.8	79.4	3.4	1.00	0.00	0.42	B78R	
008	40.8	0.463	0.273	1.693	-0.383	0.745	30.4	2.0	30.4	4.6	70.0	78.7	6.1	78.9	4.4	1.00	0.00	0.40	B79R	
009	40.9	0.466	0.276	1.688	-0.372	0.74	30.1	2.5	30.1	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	5.7	29.3	11.1	70.1	75.1	17.7	77.2	13.3	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	28.6	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	0.542	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	0.1	0.00	R10Y	
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	44.2	1.00	0.2	0.00	R19Y	
040	41.5	0.565	0.365	1.547	-0.074	0.697	24.8	15.0	28.9	31.2	70.5	65.8	66.3	93.1	45.5	1.00	0.21	0.00	R20Y	
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	0.693	22.9	17.7	28.9	37.6	70.7	61.3	104.7	121.4	59.6	1.00	0.48	0.00	R48Y	
059	41.7	0.593	0.396	1.498	-0.01	0.693	22.8	17.8												

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} * _{ahab} -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:																									
90.01, 99.1, ..., 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	cab	A	B	58.9	28.3	h _{ab}	L*	a*	b*	C*	h _{ab}	rgb _{ab}	Code _{ab}						
990	80.7	0.483	0.509	0.938	-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	0.00	0.00	0.00	0.00	0.00	0.00
991	81.1	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	0.00	0.00	0.00	0.00	0.00	0.00
992	83.5	0.474	0.516	0.919	-0.006	0.43	-2.6	35.8	35.9	94.1	93.2		-2.2	142.2	142.3	92.1	1.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00
993	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	0.00	0.00	0.00	0.00	0.00	0.00
994	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	0.00	0.00	0.00	0.00	0.00	0.00
995	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	0.00	0.00	0.00	0.00	0.00	0.00
996	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	0.00	0.00	0.00	0.00	0.00	0.00
997	89.8	0.453	0.528	0.857	-0.013	0.432	-8.3	37.9	38.8	102.6	95.9		-16.3	132.3	133.3	96.0	0.93	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
998	91.3	0.448	0.530	0.845	-0.015	0.433	-9.4	38.5	39.4	104.4	96.4		-18.4	130.4	131.4	96.0	0.91	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
999	92.0	0.444	0.53	0.836	-0.018	0.432	-10.4	38.8	39.7	105.2	96.8		-20.2	126.4	128.0	96.0	0.9	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	123.6	125.0	98.5	0.89	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00
106	91.5	0.421	0.541	0.775	-0.028	0.443	-16.0	37.2	40.6	113.0	96.6		-32.0	115.9	120.5	105.3	0.8	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00
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	120.4	110.3	0.73	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00
113	87.8	0.393	0.561	0.691	-0.032	0.474	-21.9	35.4	41.6	121.6	95.1		-46.1	111.4	120.5	112.4	0.7	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
114	87.2	0.389	0.564	0.68	-0.032	0.479	-22.7	35.2	41.8	122.8	95.0		-48.3	110.9	120.8	113.5	0.69	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00
123	82.0	0.351	0.592	0.592	-0.037	0.535	-29.3	32.6	43.9	131.9	92.8		-68.2	104.3	124.6	123.1	0.56	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00
130	78.1	0.32	0.613	0.523	-0.042	0.581	-33.5	30.6	45.3	137.5	90.8		-83.2	99.0	129.4	128.0	0.46	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00
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	0.00	0.00	0.00	0.00	0.00	0.00
135	73.9	0.291	0.627	0.464	-0.051	0.619	-35.9	28.4	45.8	141.6	88.9		-96.0	92.2	133.1										

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, 94,2, 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	cab	A	B	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
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			0.61		G168
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			0.61		G178
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			0.61		G188
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			0.61		G198
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			0.61		G198
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			0.61		G208
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			0.61		G218
187	58.9	0.166	0.363	0.457	-0.517	0.497	-29.0	-4.8	29.4	189.0	81.2		-90.6	-9.9	91.2		186.2	0.00	1.00	0.45			0.61		G228
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			0.61		G238
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			0.61		G248
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			0.61		G258
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			0.61		G268
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			0.61		G278
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			0.61		G288
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			0.61		G298
195	58.6	0.164	0.323	0.507	-0.631	0.484	-23.0	-11.5	28.4	203.8	81.1		-79.0	-22.1	82.0		195.6	0.00	1.00	0.6			0.61		G308
196	58.6	0.163	0.318	0.513	-0.646	0.483	-22.5	-12.4	28.3	205.8	81.1		-77.5	-23.6	80.5		196.9	0.00	1.00	0.61			0.61		G318
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			0.61		G328
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			0.61		G338
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			0.61		G348
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			0.61		G358
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			0.61		G368
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		203.4	0.00	1.00	0.72			0.61		G378
203	58.3	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		204.5	0.00	1.00	0.73			0.61		G388
204	58.2	0.163	0.295	0.554	-0.734	0.495	-22.9	-17.2	28.7	217.2	80.8		-68.6	-31.7	75.4		205.6	0.00	1.00	0.74			0.61		G398
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			0.61		G398
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			0.61		G408
207	57.5	0.162	0.289	0.562	-0.756	0.503	-22.3	-18.4	28.9	219.8	80.4		-66.6	-33.6	74.6		206.7	0.00	1.00	0.82			0.61		G418
208	56.2	0.16	0.286	0.561	-0.773	0.515	-21.8	-19.0	28.9	221.0	79.7		-66.3	-34.8	74.9		207.7	0.00	1.00	0.83			0.61		G418
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			0.61		G428
210	53.5	0.155	0.278	0.559	-0.813	0.543	-20.9	-20.2	29.0	224.8	78.1		-65.6	-37.7	75.6		209.7	0.00	1.00	0.87			0.61		G438
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			0.61		G448
212	50.7	0.15	0.269	0.557	-0.857	0.577	-19.7	-21.4	29.2	227.1	76.5		-64.8	-40.7	76.4		211.9	0.00	1.00	0.91			0.61		G458
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			0.61		G468
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			0.61		G478
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			0.61		G488
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			0.61		G498
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			0.61		G508
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			0.61		G518
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			0.61		G528
220	43.0	0.139	0.243	0.569	-1.010	0.688	-16.2	-24.8	29.6	236.7	71.4		-58.6	-48.9	76.4		219.7	0.00	0.95	1.00			0.61		G538
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			0.61		G538
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			0.61		G548
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			0.61		G558
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			0.61		G568
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			0.61		G578
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			0.61		G588
227	38.0	0.134	0.225	0.592	-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			0.61		G598
228	37.3	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			0.61		G608
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		227.8	0.00	0.77	1.00			0.61		G618
230	36.3	0.132	0.217	0.609	-1.197	0.834	-12.3	-27.6	30.2	245.6	66.7		-49.0	-57.1	75.3		229.3	0.00	0.75	1.00			0.61		G628
231	35.5	0.131	0.213	0.616	-1.222</																				

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:																			
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no.	ab	Y	x	y	a	b	cab	A	B	58.9	28.3,	h _{ab}	L*	a*	b*	C*	h _{ab}	rgb*	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 % G98B
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 % B09R
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 % B05R
277	0	0.127	0.119	0.118	1.08	-2.521	2.098	2.0	-35.6	35.6	273.3	48.3	11.1	-88.2	88.9	277.2	0.09	0.00	1.00 % B08R
278	16	17	0.127	0.117	1.089	-2.577	2.139	2.3	-35.7	35.8	273.7	47.9	12.7	-89.2	89.8	278.3	0.10	0.00	1.00 % B11R
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	274.5	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 % B18R
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 % B11R
286	0	0.129	0.101	0.101	1.281	-3.011	2.618	4.6	-36.6	37.0	277.3	44.5	27.7	-94.8	98.8	285.9	0.26	0.00	1.00 % B12R
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 % B18R
293	0	0.133	0.084	0.084	1.58	-3.721	3.349	7.2	-37.5	38.2	280.8	40.3	44.8	-101.3	110.8	293.8	0.37	0.00	1.00 % B20R
294	11	0	0.133	0.081	1.628	-3.733	3.465	7.5	-37.6	38.3	281.3	39.8	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	4.377	9.8	-38.3	39.5	284.5	35.0	67.1	-109.5	128.4	301.4	0.51	0.00	1.00 % B25R
302	1	0.137	0.062	0.202	2.092	-5.144	4.852	10.2	-38.4	39.6	285.0	34.3	70.7	-110.6	131.2	302.3	0.53	0.00	1.00 % B26R
303	8	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	289.2	31.5	91.3	-114.0	146.1	308.7	0.65	0.00	1.00 % B32R
310	6	16	0.156	0.052	2.856	-5.567	5.622	14.0	-37.8	40.2	290.3	32.5	92.5	-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	1	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	0	0.221	0.081	0.077	2.701	-3.405	3.446	20.9	-35.5	41.2	300.5	41.1	102.5	-97.0	141.1	316.5	0.78	0.00	1.00 % B39R
318	12	8	0.223	0.086	2.676	-3.174	3.237	22.1	-35.0	41.4	302.2	42.4	103.8	-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	3	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	

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 Elementarbunttons 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 ₀	x ₁₀	y ₁₀	a ₁₀	b ₁₀	cab 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
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	0.450	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	0.77	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	69.5	78.5	19.6	80.9	14.0	1.00 0.00 0.22	B88R
015	40.2	0.502	0.297	1.687	-0.268	0.757	29.7	6.4	30.4	12.2	69.5	78.2	21.4	81.1	15.3	1.00 0.00 0.2	B89R
016	40.2	0.506	0.3	1.683	-0.256	0.756	29.6	6.9	30.4	13.2	69.6	77.9	23.3	81.2	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	28.6	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	38.9	84.5	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 0.00 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 0.00 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 0.00 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 0.00 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 0.00 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 0.00 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 0.00 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 0.00 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 0.00 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 0.00 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 0.00 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 0.00 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 0.00 0.00	R21Y
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 0.00 0.00	R22Y
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 0.00 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 0.00 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 0.00 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 0.00 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 0.00 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 0.00 0.00	R32Y
047	41.3	0.589	0.381	1.546	-0.03	0.72	24.7	16.5	29.7	33.7	70.4	65.9	87.6	109.6	53.0	1.00 0.00 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 0.00 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 0.00 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 0.00 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 0.00 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 0.00 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 0.00 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 0.00 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 0.00 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 0.00 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 0.00 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 0.00 0.00	R52Y
059	42.0	0.594	0.398	1.49	-0.006	0.687	22.7	17.7	28.9	37.9	70.8	60.9	112.2	127.7	61.5	1.00 0.00 0.00	R53Y
060	42.0	0.594	0.4	1.486	-0.005	0.685	22.6	17.8	28.8	38.2	70.9	60.5	114.2	129.3	62.0	1.00 0.00 0.00	R55Y

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-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:																											
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 -13.9 65.1, 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	C _{AB10}	h _{AB10}	L ₁₀	a ₁₀	b ₁₀	C _{ab10}	h _{ab10}	rgb _{ab}	Code _{ab10}										
090	86.6	0.482	0.508	0.939	-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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y03G	
091	82.0	0.478	0.511	0.944	-0.007	0.422	-1.1	34.4	34.6	91.0	91.9	-2.3	138.2	138.2	89.9	0.94	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y12G
097	89.3	0.451	0.522	0.863	-0.013	0.418	-7.5	36.6	37.3	101.7	95.7	-14.8	123.7	124.6	96.8	0.86	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y14G
098	90.2	0.449	0.522	0.853	-0.013	0.417	-8.6	36.7	37.6	102.7	96.1	-16.7	120.7	121.6	97.9	0.85	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	103.2	0.78	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	102.3	0.76	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y23G
105	90.4	0.421	0.529	0.797	-0.037	0.42	-13.6	35.4	37.9	110.9	96.1	-27.1	107.8	111.1	101.7	0.75	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y24G
106	89.9	0.418	0.531	0.788	-0.037	0.423	-14.4	35.2	38.0	112.0	95.9	-28.9	106.7	111.2	101.2	0.74	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y27G
108	88.7	0.412	0.536	0.767	-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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y28G
109	88.1	0.408	0.539	0.758	-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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y34G
113	85.5	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y36G
114	84.6	0.39	0.555	0.7	-0.039	0.461	-20.8	33.0	39.0	122.2	93.7	-45.1	104.1	113.3	111.3	0.62	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y46G
121	79.7	0.36	0.577	0.624	-0.043	0.503	-25.7	30.7	40.1	129.9	91.5	-60.9	99.2	116.0	121.2	0.52	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y47G
122	79.0	0.357	0.579	0.614	-0.044	0.509	-26.3	30.4	40.2	130.9	91.2	-63.8	98.4	116.7	122.3	0.51	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y56G
129	74.5	0.325	0.596	0.545	-0.051	0.551	-30.0	28.1	41.1	136.8	89.1	-76.1	91.7	119.2	129.7	0.41	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y58G
130	73.9	0.32	0.599	0.536	-0.052	0.557	-30.8	27.8	41.2	137.6	88.8	-78.1	90.4	120.1	130.8	0.4	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y60G
131	73.3	0.317	0.601	0.527	-0.054	0.563	-30.8	27.4																			

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 _{ab}	x _{ab}	y _{ab}	CIE10	q ₁₀	b ₁₀	cab 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	1.588	-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	0.548	0.347	1.587	-0.113	0.712	26.7	13.2	29.8	26.2	70.7	70.1	53.4	88.0	37.3	0.00	1.00	0.61	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	0.8	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	1.605	-0.143	0.717	27.4	11.9	29.8	23.4	70.6	71.7	45.6	85.0	32.5	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	27.8	11.0	29.9	21.6	70.5	72.6	41.0	83.4	29.5	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	1.627	-0.181	0.722	28.1	10.2	29.9	20.0	70.4	73.5	37.0	82.2	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	24.3	0.00	0.53	1.00	G72B								
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																					

