

Ostwald-Optimalfarben (o) von maximalem (m) C _{AB} für E00, 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		%	
1 405	32 564	80.42	-71.93	-32.6	78.97	0.1811	-0.1001	204.3	16 484	38 592	Cm		%	
6 435	33 565	80.69	-86.68	-17.31	88.4	0.1735	-0.0924	191.2	17 488	45 627			%	
10 450	33 566	80.99	-110.3	13.71	111.15	0.1612	-0.0768	172.9	19 498	-1 498c			%	
12 460	33 568	81.45	-119.36	34.48	124.25	0.1568	-0.0665	163.8	21 507	-1 507c			%	
13 465	33 569	81.92	-121.61	45.97	130.01	0.1559	-0.0609	159.2	22 514	-1 514c			%	
14 470	34 571	82.66	-120.77	57.74	133.86	0.1568	-0.0553	154.4	24 522	-1 522c			%	
14 475	35 575	84.24	-115.44	60.46	130.32	0.1605	-0.0544	152.3	25 525	-1 525c	Gm		%	
16 480	36 581	86.11	-105.73	83.03	134.43	0.1664	-0.0442	141.8	27 538	-1 538c			%	
17 485	39 595	90.19	-81.64	98.55	127.97	0.18	-0.0386	129.6	29 549	-1 549c			%	
18 490	-1 490c	97.85	-20.19	119.57	121.26	0.21	-0.0327	99.5	33 568	11 459	max		%	
19 495	-1 495c	97.3	-17.91	125.92	127.19	0.211	-0.0297	98.0	33 568	12 461			%	
19 500	-1 499c	97.3	-17.91	125.92	127.19	0.211	-0.0297	98.0	33 568	12 461			%	
22 510	-1 510c	94.63	-6.64	140.85	141.01	0.216	-0.0218	92.7	34 571	13 469			%	
24 520	-1 520c	91.75	4.59	146.03	146.1	0.2212	-0.0178	88.1	34 574	14 473	Ym		%	
26 530	-1 530c	88.02	17.68	145.85	146.92	0.2277	-0.0145	83.0	35 577	15 477			%	
28 540	-1 540c	83.56	31.64	141.2	144.7	0.2352	-0.0119	77.3	36 581	15 479			%	
29 545	-1 545c	81.07	38.69	137.72	143.05	0.2393	-0.0109	74.3	36 583	16 480			%	
29 550	-1 549c	81.07	38.69	137.72	143.05	0.2393	-0.0109	74.3	36 583	16 480			%	
30 555	-1 554c	78.42	45.65	133.68	141.26	0.2436	-0.0102	71.1	37 585	16 482			%	
32 560	-1 560c	72.66	58.88	124.34	137.58	0.2528	-0.0092	64.6	38 590	16 483			%	
380	770	100.0	0.0	0.0	0.0	0.2191	-0.0837	0.0					%	
Ostwald-Optimalfarben (o) von maximalem (m) C _{AB} für E00, 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		%	
32 564	1 405	71.27	62.52	98.78	116.91	0.2555	-0.0287	57.6	38 592	16 484	Rm		%	
33 565	6 435	70.93	71.83	28.95	77.45	0.2611	-0.0675	21.9	45 627	17 488			%	
33 566	10 450	70.56	84.55	-14.4	85.77	0.2687	-0.0918	350.3	-1 498c	19 498			%	
33 568	12 460	69.98	90.17	-29.54	94.89	0.2724	-0.1004	341.8	-1 507c	21 507			%	
33 569	13 465	69.37	92.89	-35.98	99.61	0.2744	-0.1042	338.8	-1 514c	22 514			%	
34 571	14 470	68.37	95.44	-41.93	104.24	0.2766	-0.1079	336.2	-1 522c	24 522			%	
35 575	14 475	66.11	99.55	-45.82	109.59	0.2807	-0.1108	335.2	-1 525c	25 525	Mm		%	
36 581	16 480	63.17	102.89	-56.56	117.41	0.2851	-0.1184	331.2	-1 538c	27 538			%	
39 595	17 485	55.38	108.0	-71.77	129.67	0.296	-0.1326	326.3	-1 549c	29 549			%	
-1 490c	18 490	28.02	85.37	-120.26	147.48	0.3177	-0.2165	305.3	11 459	33 568	min		%	
-1 495c	19 495	31.41	71.03	-115.43	135.53	0.2953	-0.2021	301.6	12 461	33 568			%	
-1 499c	19 500	31.41	71.03	-115.43	135.53	0.2953	-0.2021	301.6	12 461	33 568			%	
-1 510c	22 510	43.16	21.12	-96.96	99.24	0.2372	-0.1634	282.2	13 469	34 571			%	
-1 520c	24 520	51.68	-12.26	-82.78	83.68	0.2098	-0.1431	261.5	14 473	34 574	Bm		%	
-1 530c	26 530	59.79	-39.13	-69.07	79.38	0.1928	-0.128	240.4	15 477	35 577			%	
-1 540c	28 540	67.12	-57.58	-56.56	80.72	0.1838	-0.1168	224.4	15 479	36 581			%	
-1 545c	29 545	70.46	-63.67	-50.83	81.48	0.1816	-0.1123	218.6	16 480	36 583			%	
-1 549c	29 550	70.46	-63.67	-50.83	81.48	0.1816	-0.1123	218.6	16 480	36 583			%	
-1 554c	30 555	73.6	-67.81	-45.45	81.64	0.1806	-0.1084	213.8	16 482	37 585			%	
-1 560c	32 560	79.25	-70.77	-35.73	79.28	0.1813	-0.1019	206.7	16 483	38 590			%	
380	770	100.0	0.0	0.0	0.0	0.2191	-0.0837	0.0					%	

rgb_{cab} und CIE-Daten eines Elementar-Bunttonkreises nach CIE R1-47 für Ostwald-Farben für CIE-Lichtstrahl E00

Xyy, abc_{AB}, ABC_{AB}, LabC_{ab}_{hAB}-Daten für relative Stufung des Elementar-bunttons **h_{ab}** von CIELAB für CIE-2-Grad Beobachter

Elementar-Bunttonkreis mit 4-Ziel-Elementar-Bunttonwinkeln: **h_{ab}** = 27.9, 91.3, 162.9, 267.6 von CIELAB und 90 Ziel-Bunttonwinkeln:

00.001, ..., 089, CIELAB-Daten CIE-Testfarben 9 (R): 41.9 59.0 31.3, 10 (Y): 81.8 -1.7 73.1, 11 (G): 51.5 -41.4 12.6, 12 (B): 29.4 -1.9 -46.6

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}	
000	41.7	0.463	0.257	1.8	-0.433	0.891	33.4	-1.3	33.4	357.6	70.6	89.9	-4.0	81.0	357.1	1.00	0.00	0.6	B69R #
001	41.7	0.465	0.259	1.795	-0.423	0.796	33.2	-0.9	33.2	358.3	70.7	89.5	-2.8	80.5	357.9	1.00	0.00	0.58	B70R #
002	41.7	0.468	0.261	1.79	-0.412	0.791	33.0	-0.5	33.0	359.0	70.7	89.1	-1.5	80.1	358.8	1.00	0.00	0.56	B71R #
003	41.7	0.47	0.263	1.785	-0.402	0.785	32.8	-0.1	32.8	359.8	70.7	79.7	-0.3	79.7	359.7	1.00	0.00	0.54	B72R #
004	41.8	0.473	0.265	1.78	-0.392	0.781	32.6	0.3	32.6	0.5	70.7	79.3	0.0	79.3	0.7	1.00	0.00	0.51	B74R #
005	41.8	0.476	0.268	1.775	-0.381	0.776	32.4	0.7	32.4	1.3	70.7	78.9	2.3	78.9	1.6	1.00	0.00	0.49	B75R #
006	41.8	0.478	0.27	1.77	-0.371	0.771	32.2	1.1	32.2	2.1	70.7	78.4	3.6	78.5	2.6	1.00	0.00	0.47	B76R #
007	41.8	0.481	0.272	1.765	-0.36	0.767	32.0	1.6	32.1	2.9	70.7	78.0	5.0	78.2	3.6	1.00	0.00	0.45	B77R #
008	41.8	0.484	0.274	1.76	-0.35	0.762	31.8	2.0	31.9	3.7	70.7	77.6	6.3	77.7	4.7	1.00	0.00	0.43	B78R #
009	41.8	0.486	0.277	1.755	-0.339	0.758	31.6	2.5	31.7	4.5	70.7	77.2	7.8	77.6	5.8	1.00	0.00	0.41	B79R #
010	41.9	0.489	0.279	1.75	-0.329	0.754	31.4	2.9	31.6	5.3	70.8	76.8	9.3	77.3	6.9	1.00	0.00	0.38	B80R #
011	41.9	0.492	0.282	1.745	-0.319	0.75	31.2	3.3	31.4	6.1	70.8	76.3	10.8	77.1	8.0	1.00	0.00	0.36	B81R #
012	41.9	0.495	0.284	1.74	-0.308	0.746	31.0	3.8	31.3	7.0	70.8	75.9	12.3	76.9	9.2	1.00	0.00	0.34	B82R #
013	41.9	0.498	0.287	1.735	-0.298	0.742	30.8	4.2	31.1	7.8	70.8	75.5	13.9	76.8	10.4	1.00	0.00	0.32	B83R #
014	41.9	0.501	0.289	1.73	-0.288	0.739	30.6	4.6	31.0	8.6	70.8	75.1	15.4	76.7	11.6	1.00	0.00	0.3	B84R #
015	41.9	0.504	0.292	1.726	-0.278	0.736	30.4	5.1	30.9	9.5	70.8	74.7	17.0	76.6	12.8	1.00	0.00	0.28	B85R #
016	42.0	0.507	0.294	1.721	-0.268	0.732	30.2	5.5	30.7	10.3	70.8	74.3	18.7	76.6	14.1	1.00	0.00	0.25	B87R #
017	42.0	0.51	0.297	1.716	-0.257	0.73	30.0	5.9	30.6	11.2	70.8	73.8	20.3	76.6	15.4	1.00	0.00	0.23	B88R #
018	42.0	0.513	0.3	1.711	-0.248	0.727	29.8	6.3	30.5	12.0	70.8	73.4	22.0	76.6	16.7	1.00	0.00	0.21	B89R #
019	42.0	0.516	0.302	1.706	-0.238	0.724	29.7	6.7	30.4	12.8	70.9	73.0	23.7	76.8	18.0	1.00	0.00	0.19	B90R #
020	42.0	0.519	0.305	1.701	-0.228	0.722	29.5	7.2	30.3	13.7	70.9	72.6	25.4	76.9	19.3	1.00	0.00	0.17	B91R #
021	42.0	0.523	0.308	1.696	-0.219	0.72	29.3	7.6	30.2	14.5	70.9	72.2	27.2	77.1	20.6	1.00	0.00	0.15	B92R #
022	42.0	0.526	0.31	1.692	-0.209	0.718	29.1	8.0	30.2	15.3	70.9	71.8	29.0	77.4	22.0	1.00	0.00	0.12	B93R #
023	42.1	0.529	0.313	1.688	-0.199	0.717	28.9	8.4	30.1	16.2	70.9	71.5	30.9	77.9	23.4	1.00	0.00	0.1	B94R #
024	42.1	0.532	0.316	1.683	-0.19	0.716	28.8	8.8	30.1	17.0	70.9	71.1	32.9	78.4	24.8	1.00	0.00	0.08	B95R #
025	42.1	0.536	0.319	1.681	-0.18	0.715	28.6	9.2	30.1	17.8	70.9	70.8	34.8	78.9	26.2	1.00	0.00	0.06	B96R #
026	42.1	0.54	0.321	1.677	-0.171	0.715	28.5	9.6	30.1	18.6	70.9	70.5	36.8	79.6	27.5	1.00	0.00	0.04	B97R #
027	42.1	0.543	0.324	1.674	-0.162	0.715	28.4	9.9	30.1	19.3	70.9	70.2	38.8	80.2	28.9	1.00	0.00	0.02	B98R #
028	42.1	0.546	0.327	1.67	-0.154	0.714	28.2	10.3	30.1	20.1	70.9	69.9	40.8	81.0	30.2	1.00	0.00	0.00	B90Y #
029	42.1	0.55	0.329	1.667	-0.145	0.714	28.1	10.7	30.1	20.8	70.9	69.6	42.8	81.7	31.6	1.00	0.01	0.00	B91Y #
030	42.1	0.553	0.332	1.664	-0.137	0.714	27.9	11.0	30.0	21.5	70.9	69.3	44.9	82.6	32.9	1.00	0.03	0.00	B93R #
031	42.1	0.556	0.335	1.66	-0.129	0.713	27.8	11.3	30.0	22.2	70.9	69.0	46.9	83.5	34.1	1.00	0.05	0.00	B94Y #
032	42.1	0.559	0.337	1.657	-0.122	0.713	27.7	11.6	30.0	22.9	70.9	68.7	48.9	84.4	35.4	1.00	0.06	0.00	B96Y #
033	42.1	0.562	0.339	1.654	-0.114	0.713	27.5	12.0	30.0	23.5	70.9	68.4	51.0	85.4	36.6	1.00	0.07	0.00	B97Y #
034	42.1	0.565	0.342	1.65	-0.107	0.713	27.4	12.3	30.0	24.1	70.9	68.2	53.0	86.4	37.8	1.00	0.09	0.00	B99Y #
035	42.1	0.568	0.344	1.647	-0.101	0.713	27.3	12.6	30.0	24.7	71.0	67.9	55.1	87.4	39.0	1.00	0.11	0.00	B11Y #
036	42.2	0.57	0.347	1.644	-0.094	0.713	27.2	12.8	30.0	25.3	71.0	67.6	57.1	88.5	40.2	1.00	0.12	0.00	B12Y #
037	42.2	0.573	0.349	1.641	-0.088	0.713	27.0	13.1	30.0	25.8	71.0	67.3	59.2	89.7	41.3	1.00	0.14	0.00	B14Y #
038	42.2	0.575	0.351	1.638	-0.082	0.712	26.9	13.3	30.0	26.4	71.0	67.0	61.2	90.8	42.4	1.00	0.15	0.00	B15Y #
039	42.2	0.578	0.353	1.635	-0.077	0.712	26.8	13.6	30.0	26.9	71.0	66.8	63.3	92.0	43.4	1.00	0.17	0.00	B17Y #
040	42.2	0.58	0.355	1.632	-0.071	0.712	26.6	13.9	30.0	27.4	71.0	66.5	65.3	93.2	44.5	1.00	0.18	0.00	B18Y #
041	42.2	0.582	0.357	1.629	-0.066	0.712	26.5	14.0	30.0	27.8	71.0	66.3	67.4	94.5	45.4	1.00	0.2	0.00	B20Y #
042	42.2	0.584	0.359	1.626	-0.062	0.711	26.4	14.2	30.0	28.3	71.0	66.0	69.4	95.8	46.4	1.00	0.22	0.00	B22Y #
043	42.2	0.586	0.361	1.623	-0.057	0.711	26.3	14.4	30.0	28.7	71.0	65.7	71.4	97.1	47.3	1.00	0.23	0.00	B23Y #
044	42.2	0.588	0.363	1.62	-0.053	0.711	26.2	14.6	30.0	29.1	71.0	65.5	73.4	98.4	48.2	1.00	0.25	0.00	B25Y #
045	42.3	0.59	0.364	1.617	-0.049	0.71	26.1	14.8	30.0	29.5	71.0	65.2	75.4	99.7	49.1	1.00	0.26	0.00	B26Y #
046	42.3	0.591	0.366	1.615	-0.045	0.71	26.0	15.0	30.0	29.9	71.0	65.0	77.4	101.1	49.9	1.00	0.28	0.00	B28Y #
047	42.3	0.593	0.368	1.612	-0.041	0.707	25.9	15.1	30.0	30.3	71.1	64.8	79.3	102.4	50.7	1.00	0.3	0.00	B30Y #
048	42.3	0.594	0.369	1.609	-0.038	0.708	25.8	15.3	30.0	30.6	71.1	64.5	81.2	103.8	51.6	1.00	0.31	0.00	B31Y #
049	42.3	0.596	0.37	1.607	-0.035	0.708	25.7	15.4	30.0	30.9	71.1	64.3	83.2	105.1	52.2	1.00	0.33	0.00	B33Y #
050	42.4	0.597	0.372	1.604	-0.032	0.707	25.6	15.5	29.9	31.2	71.1	64.1	85.1	106.5	53.0	1.00	0.34	0.00	B34Y #
051	42.4	0.598	0.373	1.602	-0.029	0.706	25.5	15.7	29.9	31.5	71.1	63.9	86.9	107.9	53.6	1.00	0.36	0.00	B36Y #
052	42.4	0.599	0.374	1.599	-0.027	0.705	25.4	15.8	29.9	31.8	71.1	63.6	88.8	109.3	54.3	1.00	0.37	0.00	B37Y #
053	42.4	0.6	0.375	1.597	-0.025	0.705	25.3	15.9	29.9	32.1	71.1	63.4	90.6	110.6	55.0	1.00	0.39	0.00	B39Y #
054	42.4	0.601	0.377	1.594	-0.022	0.704	25.2	16.0	29.9	32.3	71.2	63.2	92.4	112.0	55.6	1.00	0.41	0.00	B41Y #
055	42.4	0.602	0.378	1.592	-0.02	0.703	25.1	16.1	29.8	32.6	71.2	63.0	94.2	113.3	56.2	1.00	0.42	0.00	B42Y #
056	42.5	0.602	0.379	1.589	-0.018	0.702	25.0	16.2	29.8	32.8	71.2	62.8	95.9	114.7	56.7	1.00	0.44	0.00	B44Y #
057	42.5	0.603	0.38	1.587	-0.017	0.701	25.0	16.2	29.8	33.0	71.2	62.6	97.6	116.0	57.3	1.00	0.45	0.00	B45Y #
058	42.6	0.604	0.381	1.584	-0.014	0.699	24.8	16.4	29.8	33.4	71.2	62.3	100.7	118.5	58.2	1.00	0.47	0.00	B47Y #
059	42.7	0.606	0.384	1.578	-0.01	0.697	24.6	16.6	29.7	33.9	71.3								

rgb* _{cab} - und CIE-Daten eines Elementar-Bunttonkreises nach CIE R1-47 für Ostwald-Farben für CIE-Lichtstrahl E00																												
Yxy, rgb _{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} = 27,9, 91,3, 162,9, 267,6 von CIELAB und 90 Ziel-Bunttonwinkeln:																												
0,001, ..., 179, CIELAB-Daten CIE-Testfarben 9 (R): 41,9 59,0 31,3, 10 (Y): 81,8 -1,7 73,1, 11 (G): 51,5 -41,4 12,6, 12 (B): 29,4 -1,9 -46,6																												
no.	ab	Y	x	y	a	b	C _{AB}	A	B	C _{AB}	h _{AB}	L*	b*	C*	h _{AB}	rgb _{ab}	Code _{ab}											
090	82.9	0.496	0.497	0.999	-0.004	0.395	0.0	32.7	32.7	90.0	92.9	0.0	144.8	144.8	90.0	1.00	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	R97Y
091	84.3	0.492	0.5	0.984	-0.005	0.394	-1.3	33.2	33.2	92.2	93.6	-2.4	144.7	143.7	90.9	1.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y99Y
092	85.7	0.488	0.506	0.969	-0.006	0.394	-2.6	33.7	33.8	94.4	94.2	-4.9	142.1	142.2	91.9	0.99	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y00G
093	87.1	0.483	0.503	0.954	-0.007	0.395	-3.9	34.2	34.4	96.6	94.8	-7.3	140.0	140.2	93.0	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
094	88.5	0.478	0.509	0.94	-0.009	0.395	-5.3	34.5	34.9	98.7	95.3	-9.7	137.2	137.5	94.0	0.96	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y03G
095	89.8	0.474	0.511	0.926	-0.011	0.395	-6.5	34.9	35.5	100.6	95.9	-12.1	134.2	134.7	95.1	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
096	91.0	0.469	0.513	0.914	-0.013	0.396	-7.8	35.2	35.6	102.4	96.4	-14.2	131.3	132.0	96.1	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
097	92.14	0.465	0.514	0.903	-0.015	0.396	-8.8	35.5	36.5	105.0	96.8	-16.1	128.5	129.5	96.9	0.92	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y07G
098	93.2	0.461	0.515	0.892	-0.017	0.396	-9.5	35.9	37.5	107.5	97.5	-18.0	125.6	126.6	97.8	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
099	95.2	0.463	0.509	0.909	-0.02	0.39	-8.6	36.1	37.1	103.4	98.1	-15.3	123.3	124.3	97.1	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
100	94.3	0.452	0.516	0.877	-0.024	0.395	-11.5	35.4	37.3	108.0	97.7	-20.8	119.3	121.1	99.9	0.87	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y12G
101	93.8	0.45	0.518	0.868	-0.024	0.398	-12.3	35.2	37.3	109.3	97.5	-22.5	118.7	120.8	100.7	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
102	93.3	0.447	0.52	0.858	-0.024	0.401	-13.2	35.0	37.4	110.6	97.3	-24.2	118.1	120.6	101.5	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
103	92.8	0.443	0.523	0.848	-0.025	0.404	-14.0	34.8	37.5	112.0	97.1	-25.9	117.5	120.3	102.4	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
104	92.3	0.44	0.525	0.838	-0.025	0.408	-14.9	34.5	37.6	113.3	96.9	-27.8	116.9	120.1	103.3	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
105	91.6	0.437	0.528	0.827	-0.025	0.411	-15.8	34.3	37.8	114.7	96.7	-29.6	116.2	120.3	103.8	0.81	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y18G
106	90.6	0.433	0.53	0.816	-0.026	0.415	-16.7	34.0	37.9	116.0	96.5	-31.4	114.6	119.8	104.6	0.8	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y20G
107	90.6	0.43	0.523	0.805	-0.026	0.42	-17.5	33.8	38.1	117.4	96.2	-33.5	114.9	119.7	105.2	0.79	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y21G
108	90.0	0.426	0.536	0.794	-0.027	0.425	-18.4	33.5	38.3	118.8	96.0	-35.5	114.2	119.7	107.2	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
109	89.4	0.422	0.539	0.783	-0.027	0.43	-19.3	33.3	38.5	120.0	95.7	-37.6	113.6	119.6	108.3	0.75	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y24G
110	88.8	0.419	0.542	0.772	-0.028	0.436	-20.2	33.0	38.7	121.4	95.5	-39.6	112.9	119.6	109.3	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	88.2	0.415	0.545	0.76	-0.028	0.441	-21.1	32.7	38.9	122.7	95.2	-41.7	112.2	119.7	110.4	0.72	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y27G
112	87.6	0.411	0.548	0.749	-0.029	0.447	-21.9	32.5	39.2	124.0	95.0	-43.9	111.5	119.8	111.4	0.7	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y28G
113	87.52	0.407	0.551	0.738	-0.029	0.454	-22.8	32.3	39.5	125.0	94.8	-46.0	110.8	119.9	112.5	0.69	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y29G
114	86.3	0.403	0.553	0.725	-0.03	0.461	-23.6	31.9	39.9	126.5	94.4	-48.2	110.1	120.1	113.7	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	85.7	0.398	0.558	0.714	-0.03	0.467	-24.5	31.6	40.0	127.7	94.2	-50.4	109.3	120.4	114.7	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	85.1	0.394	0.561	0.702	-0.031	0.473	-25.3	31.3	40.3	128.8	93.9	-52.5	108.6	120.6	115.8	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	84.4	0.39	0.564	0.691	-0.031	0.48	-26.1	31.1	40.6	129.9	93.6	-54.7	107.8	120.9	116.9	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	83.8	0.386	0.568	0.679	-0.032	0.487	-26.8	30.8	40.9	131.0	93.3	-56.9	107.1	121.3	118.0	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	83.1	0.381	0.571	0.667	-0.032	0.495	-27.6	30.5	41.1	132.1	93.1	-59.1	106.4	121.7	119.0	0.61	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y38G
120	82.5	0.377	0.574	0.656	-0.033	0.502	-28.3	30.2	41.4	133.1	92.8	-61.3	105.6	122.1	120.1	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
121	81.9	0.372	0.577	0.645	-0.033	0.509	-29.0	29.9	41.7	134.0	92.5	-63.5	104.9	122.6	121.2	0.58	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y41G
122	81.2	0.368	0.581	0.634	-0.034	0.517	-29.7	29.7	42.2	135.0	92.2	-65.7	104.1	123.1	122.2	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
123	80.6	0.364	0.584	0.623	-0.035	0.524	-30.4	29.4	42.3	135.9	91.9	-67.9	103.4	123.7	123.2	0.55	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Y44G
124	80.0	0.359	0.587	0.612	-0.035	0.532	-31.0	29.1	42.5	136.7	91.7	-70.0	102.6	124.3	124.3	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
125	79.4	0.355	0.59	0.601	-0.036	0.539	-31.6	28.8	42.8	137.6	91.4	-72.1	101.9	124.9	125.2	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
126	78.8	0.351	0.593	0.591	-0.036	0.546	-32.2	28.6	43.1	138.4	91.1	-74.2	101.2	125.5	126.2	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
127	78.2	0.346	0.597	0.58	-0.037	0.554	-32.8	28.3	43.3	139.1	90.8	-76.3	100.4	126.1	127.2	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
128	77.6	0.342	0.6	0.57	-0.038	0.561	-33.3	28.0	43.5	139.8	90.6	-78.3	99.7	126.8	128.1	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
129	77	0.338	0.603	0.56	-0.038	0.568	-33.8	27.8	43.8	140.5	90.3	-80.3	99.0	127.5	128.6	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
130	76.3	0.334	0.607	0.549	-0.039	0.576	-34.4	27.4	44.1	141.6	90.0	-82.3	98.3	133.4	129.9	0.36	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.			

Xyy, **abc**_{AB}, **ABC**_{AB}, **LabC***_{ab}, **h_{ab}**-Daten für relative Stufung des Elementarbunttonkreises **h_{ab}** von CIELAB für CIE-2-Grad Beobachter

Elementar-Bunttonkreise mit 4-Ziel-Elementar-Bunttonwinkeln: **h_{ab}** = 27,9, 91,3, 162,9, 267,6 von CIELAB und 90 Ziel-Bunttonwinkeln:

180, 181, ..., 269, CIELAB-Daten CIE-Testfarben 9 (R): 41.9 59.0 31.3, 10 (Y): 81.8 -1.7 73.1, 11 (G): 51.5 -4.1 12.6, 12 (B): 29.4 -1.9 -46.6

no.	ab	Y	x	y	a	b	c _{AB}	A	B	C _{AB}	h _{AB}	L*	a*	b*	C*	h _{ab}	rgb* _{ab}	Code _{ab}
180	58.2	0.18	0.415	0.433	-0.389	0.567	-33.0	0.6	33.0	178.8	80.8	-101.6	1.5	181.6	179.1	0.00	1.00	0.32 G16B
181	58.2	0.179	0.409	0.438	-0.401	0.561	-32.6	0.0	32.6	180.1	80.8	-100.3	-0.2	190.3	180.1	0.00	1.00	0.34 G17B
182	58.1	0.179	0.403	0.443	-0.414	0.556	-32.3	-0.8	32.3	181.4	80.8	-98.9	-1.9	99.0	181.1	0.00	1.00	0.36 G18B
183	58.1	0.178	0.397	0.449	-0.427	0.551	-32.0	-1.5	32.0	182.8	80.8	-97.6	-3.7	97.7	182.1	0.00	1.00	0.38 G19B
184	58.1	0.178	0.391	0.455	-0.44	0.546	-31.6	-2.3	31.7	184.2	80.8	-96.3	-5.4	96.4	183.2	0.00	1.00	0.4 G20B
185	58.0	0.177	0.385	0.46	-0.453	0.541	-31.3	-3.1	31.4	185.6	80.7	-94.9	-7.1	95.2	184.3	0.00	1.00	0.42 G21B
186	58.0	0.177	0.379	0.466	-0.467	0.537	-30.9	-3.8	31.2	187.1	80.7	-93.6	-8.8	94.0	185.3	0.00	1.00	0.44 G22B
187	58.0	0.176	0.374	0.472	-0.48	0.533	-30.6	-4.6	30.9	188.6	80.7	-92.4	-10.5	92.8	186.5	0.00	1.00	0.45 G23B
188	58.0	0.176	0.368	0.478	-0.494	0.53	-30.2	-5.4	30.6	190.2	80.7	-91.2	-12.2	91.7	187.6	0.00	1.00	0.47 G23B
189	57.9	0.175	0.363	0.483	-0.507	0.527	-29.9	-6.2	30.5	191.7	80.7	-89.9	-13.7	90.6	188.7	0.00	1.00	0.49 G24B
190	57.9	0.175	0.358	0.489	-0.52	0.524	-29.5	-7.0	30.4	193.3	80.7	-88.3	-15.3	89.6	189.8	0.00	1.00	0.51 G25B
191	57.9	0.174	0.353	0.495	-0.534	0.522	-29.2	-7.7	30.2	194.8	80.7	-87.0	-16.8	88.6	190.9	0.00	1.00	0.53 G26B
192	57.9	0.174	0.348	0.501	-0.548	0.52	-28.8	-8.6	30.1	196.5	80.6	-85.6	-18.5	87.6	192.1	0.00	1.00	0.55 G27B
193	57.8	0.174	0.342	0.508	-0.563	0.518	-28.4	-9.4	29.9	198.3	80.6	-84.1	-20.1	86.5	193.4	0.00	1.00	0.57 G28B
194	57.8	0.173	0.338	0.514	-0.576	0.516	-28.0	-10.2	29.8	200.0	80.6	-82.7	-21.6	85.5	194.6	0.00	1.00	0.59 G29B
195	57.8	0.173	0.333	0.52	-0.59	0.515	-27.7	-11.0	29.6	201.6	80.6	-81.4	-23.0	84.6	195.8	0.00	1.00	0.61 G30B
196	57.8	0.173	0.329	0.526	-0.603	0.514	-27.3	-11.7	29.7	203.2	80.6	-80.1	-24.4	83.7	196.9	0.00	1.00	0.63 G31B
197	57.8	0.173	0.325	0.532	-0.615	0.514	-27.0	-12.4	29.7	204.7	80.6	-78.8	-25.7	82.9	198.0	0.00	1.00	0.65 G32B
198	57.7	0.173	0.322	0.538	-0.626	0.514	-26.6	-13.0	29.7	206.1	80.6	-77.7	-26.8	82.2	199.6	0.00	1.00	0.66 G33B
199	57.7	0.173	0.318	0.543	-0.637	0.514	-26.3	-13.7	29.7	207.4	80.5	-76.6	-27.9	81.5	200.8	0.00	1.00	0.68 G34B
200	57.6	0.173	0.315	0.548	-0.647	0.515	-26.0	-14.2	29.7	208.7	80.5	-75.5	-29.0	80.9	201.9	0.00	1.00	0.7 G35B
201	57.6	0.172	0.312	0.552	-0.657	0.516	-25.7	-14.8	29.7	209.8	80.5	-74.6	-29.9	80.4	203.1	0.00	1.00	0.72 G36B
202	57.5	0.172	0.31	0.556	-0.666	0.516	-25.5	-15.3	29.7	210.9	80.5	-73.7	-30.8	79.9	204.2	0.00	1.00	0.74 G37B
203	57.5	0.172	0.308	0.561	-0.674	0.517	-25.2	-15.7	29.7	212.0	80.4	-72.9	-31.6	79.4	205.3	0.00	1.00	0.76 G38B
204	57.4	0.172	0.305	0.564	-0.681	0.519	-25.0	-16.1	29.8	212.8	80.4	-72.1	-32.3	79.1	206.4	0.00	1.00	0.78 G39B
205	57.3	0.172	0.301	0.57	-0.697	0.522	-24.6	-17.0	29.9	214.6	80.3	-70.9	-33.8	78.6	205.4	0.00	1.00	0.8 G40B
206	56.6	0.17	0.298	0.57	-0.71	0.53	-24.3	-17.5	29.9	215.8	79.9	-70.6	-34.8	78.7	206.3	0.00	1.00	0.82 G41B
207	55.1	0.167	0.295	0.566	-0.725	0.541	-23.8	-17.9	29.8	216.8	79.1	-70.7	-35.9	79.3	206.9	0.00	1.00	0.84 G42B
208	53.9	0.165	0.292	0.565	-0.742	0.552	-23.4	-18.4	29.8	218.2	78.4	-70.3	-37.2	79.6	207.8	0.00	1.00	0.86 G43B
209	52.5	0.162	0.288	0.564	-0.76	0.565	-22.8	-18.9	29.7	219.6	77.6	-70.0	-38.5	79.9	208.8	0.00	1.00	0.87 G44B
210	51.2	0.16	0.284	0.563	-0.781	0.579	-22.3	-19.5	29.6	221.1	76.8	-69.6	-40.0	80.2	209.8	0.00	1.00	0.89 G44B
211	49.8	0.157	0.28	0.562	-0.802	0.594	-21.8	-20.0	29.6	222.6	75.9	-69.1	-41.4	80.6	210.9	0.00	1.00	0.91 G45B
212	48.4	0.154	0.275	0.561	-0.821	0.611	-21.2	-20.6	29.6	224.1	75.1	-68.4	-42.8	81.3	211.9	0.00	1.00	0.93 G46B
213	47.1	0.152	0.271	0.56	-0.848	0.627	-20.7	-21.1	29.5	225.5	74.2	-68.2	-44.3	81.3	213.0	0.00	1.00	0.95 G47B
214	45.8	0.149	0.267	0.56	-0.871	0.644	-20.1	-21.6	29.5	227.0	73.4	-67.6	-45.7	81.6	214.0	0.00	1.00	0.97 G48B
215	44.5	0.147	0.262	0.562	-0.897	0.662	-19.4	-22.1	29.5	228.6	72.5	-66.7	-47.2	81.7	215.2	0.00	1.00	0.99 G49B
216	43.4	0.145	0.258	0.564	-0.92	0.679	-18.9	-22.5	29.4	230.0	71.8	-65.7	-48.5	81.7	216.4	0.00	1.00	1.00 G50B
217	42.4	0.144	0.255	0.566	-0.94	0.693	-18.4	-22.9	29.4	231.2	71.2	-64.8	-49.5	81.6	217.3	0.00	1.00	1.00 G51B
218	41.7	0.143	0.252	0.568	-0.956	0.704	-18.0	-23.2	29.4	232.2	70.7	-64.0	-50.0	81.5	218.2	0.00	1.00	1.00 G52B
219	41.2	0.142	0.25	0.57	-0.968	0.712	-17.7	-23.4	29.3	232.9	70.3	-63.5	-51.0	81.4	219.7	0.00	1.00	1.00 G53B
220	40.7	0.142	0.248	0.571	-0.98	0.721	-17.4	-23.6	29.3	233.5	69.9	-63.0	-51.6	81.4	219.3	0.00	1.00	1.00 G54B
221	40.1	0.141	0.246	0.574	-0.996	0.732	-17.0	-23.9	29.3	234.4	69.5	-62.2	-52.4	81.4	220.6	0.00	1.00	1.00 G55B
222	39.3	0.14	0.242	0.577	-1.015	0.746	-16.6	-24.2	29.3	235.3	68.9	-61.3	-53.3	81.2	221.6	0.00	1.00	1.00 G56B
223	38.4	0.139	0.239	0.581	-1.039	0.764	-16.0	-24.5	29.3	236.8	68.3	-60.0	-54.5	81.1	222.2	0.00	1.00	1.00 G57B
224	37.3	0.137	0.234	0.587	-1.068	0.785	-15.4	-24.9	29.3	238.3	67.5	-58.4	-55.8	80.8	223.6	0.00	1.00	1.00 G58B
225	36.5	0.137	0.231	0.592	-1.092	0.803	-14.8	-25.3	29.3	239.3	66.9	-57.1	-56.8	80.6	224.8	0.00	1.00	1.00 G59B
226	36.0	0.136	0.229	0.596	-1.107	0.814	-14.5	-25.5	29.3	240.3	66.5	-56.3	-57.5	80.5	225.6	0.00	1.00	1.00 G60B
227	35.5	0.136	0.226	0.6	-1.123	0.826	-14.2	-25.7	29.3	241.0	66.1	-55.4	-58.2	80.3	226.4	0.00	1.00	1.00 G61B
228	34.9	0.135	0.224	0.604	-1.14	0.839	-13.8	-25.9	29.3	241.8	65.7	-54.4	-58.9	80.2	227.2	0.00	1.00	1.00 G62B
229	34.4	0.135	0.221	0.608	-1.158	0.853	-13.4	-26.1	29.4	242.7	65.3	-53.4	-59.6	80.1	228.1	0.00	1.00	1.00 G63B
230	33.9	0.134	0.219	0.613	-1.177	0.868	-13.1	-26.3	29.4	243.5	64.8	-52.4	-60.3	79.9	229.0	0.00	1.00	1.00 G64B
231	33.3	0.134	0.216	0.618	-1.196	0.883	-12.7	-26.5	29.4	244.4	64.4	-51.3	-61.1	79.8	229.9	0.00	1.00	1.00 G64B
232	32.7	0.133	0.214	0.623	-1.217	0.899	-12.3	-26.7	29.4	245.2	63.9	-50.2	-61.9	79.7	230.9	0.00	1.00	1.00 G65B
233	32.2	0.133	0.211	0.629	-1.238	0.917	-11.9	-27.0	29.5	246.1	63.5	-49.0	-62.7	79.6	231.9	0.00	1.00	1.00 G66B
234	31.6	0.132	0.208	0.635	-1.261	0.935	-11.5	-27.2	29.5	247.0	63.0	-47.8	-63.5	79.5	233.0	0.00	1.00	1.00 G67B
235	31.0	0.132	0.206	0.641	-1.284	0.954	-11.1	-27.4	29.6	247.9	62.5	-46.5	-64.3	79.4	234.1	0.00	1.00	1.00 G68B
236	30.4	0.131	0.203	0.647	-1.308	0.974	-10.7	-27.6	29.6	248.8	62.0	-45.3	-65.2	79.4	235.2	0.00	1.00	1.00 G69B
237	29.8	0.131	0.2	0.654	-1.333	0.995	-10.3	-27.9	29.7	249.7	61.5	-43.9	-66.0	79.3	236.3	0.00	1.00	1.00 G70B
238	29.3	0.13	0.197	0.662	-1.36	1.017	-9.9	-28.1	29.8	250.6	61.0	-42.6	-66.9	79.3	237.5	0.00	1.00	1.00 G71B
239	28.7	0.13	0.194	0.669	-1.387	1.04	-9.4	-28.3	29.9	251.5	60.5	-41.2	-67.7	79.3	238.6	0.00	1.00	1.00 G72B
240	28.1	0.129	0.191	0.678	-1.415	1.065	-9.0	-28.5	29.9	252.4								

rgb _{cab} und CIE-Daten eines Elementar-Bunttonkreises nach CIE R1-47 für Ostwald-Farben für CIE-Lichtart E00																			
Yxy, cab _{AB} , ABC _{AB} , LabC _{ab} h _{ab} – Daten für relative Stufung des Elementar-bunttons h _{ab} von CIELAB für CIE-2-Grad Beobachter																			
Elementar-Bunttonkreis mit 4-Ziel-Elementar-Bunttonwinkeln: h _{ab} = 27,9, 91,3, 162,9, 267,6 von CIELAB und 90 Ziel-Bunttonwinkeln:																			
270, 271, ..., 360, CIELAB-Daten CIE-Testfarben 9 (R): 41.9 59.0 31.3, 10 (Y): 81.8 – 1.7 73.1, 11 (G): 51.5 – 41.4 12.6, 12 (B): 29.4 – 1.9 – 46.6																			
no.	ab	Y	x	y	a	b	cab	AB	A	B	9	10	11	12	13	14	15	16	17
270	17.1	0.128	0.128	0.999	-2.312	1.912	0.0		-32.7	32.7	269.9	48.4	0.0	-88.2	88.2	269.9	0.03	0.00	1.00 % B01R #
271	16.8	0.128	0.126	1.016	-2.355	1.955	0.2		-32.8	32.8	270.4	48.0	1.5	-88.9	88.9	270.9	0.05	0.00	1.00 % B02R #
272	16.5	0.128	0.124	1.034	-2.399	1.999	0.5		-32.9	32.9	270.9	47.6	3.1	-89.6	89.6	271.9	0.07	0.00	1.00 % B03R #
273	16.1	0.128	0.122	1.052	-2.445	2.044	0.8		-33.1	33.1	271.4	47.2	4.7	-90.3	90.4	272.9	0.08	0.00	1.00 % B04R #
274	15.8	0.129	0.12	1.071	-2.493	2.094	1.1		-33.2	33.2	271.9	46.8	6.3	-90.9	91.2	273.9	0.1	0.00	1.00 % B05R #
275	15.5	0.129	0.118	1.092	-2.542	2.144	1.4		-33.3	33.3	272.4	46.3	8.0	-91.6	92.0	274.9	0.12	0.00	1.00 % B06R #
276	15.2	0.129	0.116	1.112	-2.593	2.196	1.7		-33.4	33.4	272.9	45.9	9.7	-92.3	92.8	275.9	0.13	0.00	1.00 % B06R #
277	14.9	0.129	0.114	1.134	-2.646	2.251	2.0		-33.5	33.5	273.4	45.5	11.4	-93.0	93.7	276.9	0.15	1.00 %	1.00 % B08R #
278	14.6	0.13	0.112	1.152	-2.697	2.302	2.3		-33.6	33.6	273.9	45.1	13.1	-93.7	94.7	277.9	0.17	0.00	1.00 % B09R #
279	14.2	0.13	0.11	1.181	-2.76	2.367	2.6		-33.7	33.7	274.4	44.6	14.9	-94.5	95.7	279.0	0.18	0.00	1.00 % B09R #
280	13.9	0.13	0.108	1.207	-2.82	2.429	2.8		-33.8	33.8	274.8	44.2	16.8	-95.2	96.7	280.0	0.2	0.00	1.00 % B10R #
281	13.6	0.13	0.105	1.233	-2.883	2.494	3.1		-33.9	34.1	275.3	43.7	18.6	-95.9	97.7	281.0	0.22	0.00	1.00 % B11R #
282	13.3	0.13	0.103	1.261	-2.949	2.562	3.4		-34.0	34.2	275.8	43.2	20.5	-96.7	98.9	282.0	0.23	0.00	1.00 % B11R #
283	12.9	0.131	0.101	1.299	-3.037	2.654	3.8		-34.1	34.3	276.4	42.6	23.0	-97.7	100.3	283.2	0.25	0.00	1.00 % B12R #
284	12.5	0.131	0.098	1.343	-3.138	2.759	4.2		-34.2	34.5	277.1	42.0	25.8	-98.7	102.0	284.6	0.27	0.00	1.00 % B13R #
285	12.2	0.132	0.095	1.389	-3.249	2.871	4.7		-34.4	34.7	277.7	41.3	28.6	-99.8	103.8	286.0	0.28	0.00	1.00 % B14R #
286	11.9	0.132	0.092	1.438	-3.366	2.992	5.1		-34.6	34.8	278.3	40.6	31.4	-101.0	106.0	287.0	0.3	0.00	1.00 % B15R #
287	11.2	0.133	0.089	1.489	-3.473	3.112	5.5		-34.6	35.0	279.0	40.0	34.3	-101.8	107.5	288.6	0.32	0.00	1.00 % B16R #
288	10.8	0.133	0.086	1.543	-3.595	3.241	5.9		-34.7	35.2	279.6	39.3	37.1	-103.0	109.4	289.8	0.33	0.00	1.00 % B16R #
289	10.4	0.134	0.083	1.599	-3.723	3.377	6.2		-34.8	35.3	280.2	38.6	39.9	-104.0	111.4	290.1	0.35	0.00	1.00 % B17R #
290	10.1	0.134	0.081	1.658	-3.856	3.518	6.6		-34.9	35.5	280.7	38.0	42.7	-105.0	113.4	292.1	0.37	0.00	1.00 % B18R #
291	9.7	0.135	0.078	1.719	-3.994	3.665	7.0		-35.0	35.6	281.3	37.3	45.5	-106.0	115.4	293.2	0.38	0.00	1.00 % B19R #
292	9.3	0.135	0.076	1.782	-4.136	3.817	7.3		-35.0	35.8	281.8	36.7	48.3	-107.1	117.5	294.2	0.4	0.00	1.00 % B20R #
293	8.9	0.136	0.073	1.848	-4.283	3.974	7.6		-35.1	36.1	282.3	36.0	51.1	-108.2	119.6	295.2	0.42	1.00 %	1.00 % B21R #
294	8.6	0.137	0.071	1.915	-4.432	4.135	8.0		-35.2	36.1	282.8	35.3	53.6	-109.1	121.5	296.2	0.43	0.00	1.00 % B22R #
295	8.4	0.137	0.069	1.983	-4.586	4.3	8.2		-35.2	36.2	283.2	34.6	56.2	-110.0	123.5	297.0	0.45	0.00	1.00 % B22R #
296	8.1	0.137	0.067	2.053	-4.741	4.467	8.5		-35.3	36.3	283.6	34.2	58.7	-110.9	125.5	297.8	0.47	0.00	1.00 % B23R #
297	7.8	0.138	0.065	2.124	-4.899	4.537	8.8		-35.4	36.4	284.0	33.7	61.1	-111.8	127.4	298.6	0.48	0.00	1.00 % B24R #
298	7.6	0.138	0.063	2.195	-5.057	4.608	9.1		-35.4	36.6	284.3	33.1	63.5	-112.7	129.3	299.4	0.5	0.00	1.00 % B25R #
299	7.3	0.139	0.061	2.266	-5.214	4.678	9.3		-35.5	36.7	284.7	32.6	65.7	-113.5	131.1	300.0	0.52	0.00	1.00 % B26R #
300	7.1	0.139	0.059	2.336	-5.37	4.747	9.5		-35.5	36.8	285.0	32.1	67.8	-114.2	132.9	300.9	0.53	0.00	1.00 % B26R #
301	6.9	0.139	0.058	2.406	-5.523	4.812	9.7		-35.5	36.8	285.3	31.6	69.8	-115.0	134.5	301.2	0.55	0.00	1.00 % B27R #
302	6.4	0.14	0.054	2.504	-5.697	4.9	10.0		-35.6	37.1	285.7	30.9	71.9	-116.1	137.1	302.6	0.57	0.00	1.00 % B28R #
303	6.7	0.141	0.049	2.679	-6.053	4.974	9.6		-35.8	37.1	285.0	28.6	74.9	-117.0	141.3	302.8	0.58	0.00	1.00 % B29R #
304	5.2	0.131	0.045	2.867	-7.207	7.058	9.8		-35.8	37.2	286.3	27.4	78.8	-121.6	144.9	302.9	0.6	0.00	1.00 % B30R #
305	5.2	0.137	0.045	3.015	-7.145	7.04	10.6		-35.7	37.2	286.6	27.5	83.4	-122.2	147.1	304.5	0.62	0.00	1.00 % B31R #
306	5.7	0.147	0.048	3.032	-6.614	6.538	11.5		-35.4	37.2	288.1	28.6	86.1	-119.1	147.0	305.8	0.63	0.00	1.00 % B31R #
307	6.1	0.154	0.051	3.005	-6.166	6.104	12.2		-35.2	37.3	289.1	29.6	87.2	-117.2	146.2	306.6	0.65	0.00	1.00 % B32R #
308	6.5	0.162	0.054	2.977	-5.734	5.699	12.9		-35.0	37.3	290.3	30.8	88.4	-113.3	145.3	307.4	0.67	0.00	1.00 % B33R #
309	7.0	0.17	0.057	2.947	-5.324	5.285	13.7		-34.8	37.4	291.5	31.9	89.6	-115.2	144.4	308.3	0.68	0.00	1.00 % B34R #
310	7.6	0.18	0.061	2.917	-4.906	4.877	14.4		-34.6	37.5	292.6	33.0	90.8	-117.1	143.5	309.6	0.7	0.00	1.00 % B35R #
311	8.2	0.188	0.065	2.886	-4.573	4.579	15.4		-34.2	37.6	294.3	34.4	92.1	-108.9	142.6	310.2	0.72	0.00	1.00 % B36R #
312	8.8	0.197	0.069	2.854	-4.234	4.259	16.4		-33.9	37.7	295.6	35.7	93.3	-106.6	141.6	311.1	0.73	0.00	1.00 % B36R #
313	9.5	0.207	0.073	2.823	-3.921	3.965	17.4		-33.6	37.9	297.3	37.0	94.5	-104.2	140.7	312.1	0.75	0.00	1.00 % B37R #
314	10.3	0.216	0.077	2.792	-3.632	3.695	18.4		-33.3	38.1	299.0	38.6	95.7	-101.8	139.7	313.2	0.77	0.00	1.00 % B38R #
315	11.1	0.226	0.082	2.761	-3.366	3.449	19.5		-32.9	38.3	300.7	39.7	96.8	-99.4	138.8	314.2	0.78	0.00	1.00 % B39R #
316	11.9	0.236	0.086	2.731	-3.122	3.226	20.7		-32.6	38.6	302.4	41.1	98.0	-96.9	137.8	315.3	0.8	0.00	1.00 % B40R #
317	8.8	0.246	0.091	2.701	-2.9	3.027	21.9		-32.2	38.8	304.9	42.5	99.1	-94.4	136.5	317.3	0.82	1.00 %	1.00 % B41R #
318	13.8	0.256	0.096	2.672	-2.697	2.841	23.1		-31.7	39.3	306.6	43.9	100.2	-91.9	136.0	318.4	0.83	0.00	1.00 % B41R #
319	14.8	0.266	0.1	2.644	-2.512	2.674	24.4		-31.3	39.7	307.9	45.4	101.3	-89.8	135.2	317.8	0.85	0.00	1.00 % B42R #
320	15.8	0.276	0.105	2.617	-2.344	2.529	25.6		-30.8	40.1	309.7	46.8	102.3	-86.9	134.3	319.6	0.87	0.00	1.00 % B43R #
321	16.9	0.285	0.11	2.591	-2.192	2.396	27.0		-30.4	40.6	311.5	48.2	103.4	-84.4	133.5	320.7	0.88	0.00	1.00 % B44R #
322	18.0	0.294	0.114	2.566	-2.054	2.277	28.3		-29.9	41.2	313.4	49.6	104.3	-82.0	132.7	321.8	0.9	0.00	1.00 % B45R #
323	19.2	0.303	0.119	2.541	-1.929	2.171	29.6		-29.4	41.7	315.2	50.9	105.2	-79.6	131.9	322.9	0.92	0.00	1.00 % B46R #
324	20.4	0.312	0.124	2.518	-1.815	2.075	31.0		-28.9	42.3	316.9	52.3	106.1	-77.2	131.2	323.9	0.93	0.00	1.00 % B46R #
325	21.6	0.32	0.128	2.495	-1.713	1.993	32.3		-28.3	43.0	318.7	53.6	106.9	-74.9	130.5	324.9	0.95	0.00	1.00 % B47R #
326	22.8	0.328	0.132	2.474	-1.621	1.924	33.6		-27.8	43.6	320.4	54.8	107.7.						