

48-stufiger Bunttonkreis mit Interpretation $rgb \rightarrow rgb^*_d$ -Geräte-Bunttonstufen von 1080 Normfarben

$rgb \rightarrow rgb^*_d$	$h_{ab,a}$	L^*	a^*	b^*	$rgb \rightarrow rgb^*_d$	$h_{ab,a}$	L^*	a^*	b^*	$rgb \rightarrow rgb^*_d$	$h_{ab,a}$	L^*	a^*	b^*	$rgb \rightarrow rgb^*_d$	$h_{ab,a}$	L^*	a^*	b^*
1.0 0.0 0.0	31.3	48.4	66.2	40.3	1.0 1.0 0.0	96.2	90.2	-9.6	88.3	1.0 1.0 0.0	152.5	55.8	-65.2	33.9	1.0 1.0 1.0	233.9	63.0	-30.5	-41.9
1.0 0.12 0.0	38.9	52.8	56.7	45.9	0.87 1.0 0.0	99.9	86.4	-14.5	83.3	0.0 1.0 0.12	159.4	56.7	-62.6	23.5	0.0 0.87 1.0	239.6	59.1	-24.9	-42.6
1.0 0.25 0.0	47.6	57.4	46.7	51.2	0.75 1.0 0.0	103.4	82.7	-18.9	79.6	0.0 1.0 0.25	167.8	57.5	-59.1	12.7	0.0 0.75 1.0	245.5	55.3	-19.6	-43.1
1.0 0.37 0.0	58.1	62.8	35.8	57.6	0.62 1.0 0.0	110.2	77.5	-25.5	69.0	0.0 1.0 0.37	179.0	58.5	-54.5	0.8	0.0 0.62 1.0	253.6	50.4	-12.9	-43.9
1.0 0.5 0.0	68.6	68.6	25.0	64.1	0.5 1.0 0.0	116.8	73.3	-31.7	62.8	0.0 1.0 0.5	190.1	59.3	-50.3	-8.9	0.0 0.5 1.0	262.6	45.7	-5.7	-44.6
1.0 0.62 0.0	78.2	74.5	14.6	70.8	0.37 1.0 0.0	124.3	68.7	-38.7	56.8	0.0 1.0 0.62	201.4	60.1	-45.8	-18.0	0.0 0.37 1.0	272.8	40.7	2.2	-45.0
1.0 0.75 0.0	85.6	80.0	5.8	76.6	0.25 1.0 0.0	137.9	62.4	-48.6	43.9	0.0 1.0 0.75	213.2	61.0	-40.8	-26.7	0.0 0.25 1.0	281.3	36.6	9.2	-45.9
1.0 0.87 0.0	91.4	85.1	-2.0	82.0	0.12 1.0 0.0	145.4	59.3	-56.5	38.9	0.0 1.0 0.87	223.3	61.9	-36.1	-34.0	0.0 0.12 1.0	289.8	32.4	16.8	-46.6

RYGB _{ton}	25.4	92.3	162.2	271.7	RYGB _{all}	25.4	42.1	58.8	75.6	92.3	109.7	127.2	144.7	162.2	189.6	216.9	244.3	271.7	300.1	328.6	357.0	LAB*Nio:	22.2	0.2	0.6	LAB*Wio:	96.3	-0.8	2.0		
25.4	42.1	58.8	75.6	92.3	109.7	127.2	144.7	162.2	189.6	216.9	244.3	271.7	300.1	328.6	357.0	25.4	42.1	58.8	75.6	92.3	109.7	127.2	144.7	162.2	189.6	216.9	244.3	271.7	300.1	328.6	357.0
46	1	3	4	7	10	13	14	17	19	22	25	28	32	35	40	46	1	3	4	7	10	13	14	17	19	22	25	28	32	35	40
15.7 22.0	31.3 38.9	47.6 58.1	58.1 68.6	68.6 78.2	78.2 85.6	85.6 91.4	91.4 99.9	99.9 103.4	103.4 116.8	116.8 124.3	124.3 137.9	137.9 145.4	145.4 152.5	152.5 159.4	159.4 167.8	167.8 179.0	179.0 190.1	190.1 201.4	201.4 213.2	213.2 233.9	233.9 245.5	245.5 253.6	253.6 262.6	262.6 289.8	289.8 308.4	308.4 317.1	317.1 322.4	322.4 335.0	335.0 357.0	357.0 389.6	
0.703	0.369	0.074	0.722	0.183	0.928	0.217	0.908	0.33	0.952	0.369	0.798	0.888	0.144	0.673	0.984	0.703	0.369	0.074	0.722	0.183	0.928	0.217	0.908	0.33	0.952	0.369	0.798	0.888	0.144	0.673	0.984
651 650	648 657	666 675	675 684	684 693	693 702	702 711	711 720	720 729	729 738	738 747	747 756	756 765	765 774	774 783	783 792	792 801	801 810	810 819	819 828	828 837	837 846	846 855	855 864	864 873	873 882	882 891	891 900	900 909	909 918	918 927	927 936
649 648	666 675	684 693	693 702	702 711	711 720	720 729	729 738	738 747	747 756	756 765	765 774	774 783	783 792	792 801	801 810	810 819	819 828	828 837	837 846	846 855	855 864	864 873	873 882	882 891	891 900	900 909	909 918	918 927	927 936	936 945	945 954
507 506	504 531	558 585	585 612	612 639	639 666	666 693	693 720	720 747	747 774	774 801	801 828	828 855	855 882	882 909	909 936	936 963	963 990	990 1017	1017 1044	1044 1071	1071 1098	1098 1125	1125 1152	1152 1179	1179 1206	1206 1233	1233 1260	1260 1287	1287 1314	1314 1341	1341 1368
505 504	558 585	612 639	639 666	666 693	693 720	720 747	747 774	774 801	801 828	828 855	855 882	882 909	909 936	936 963	963 990	990 1017	1017 1044	1044 1071	1071 1098	1098 1125	1125 1152	1152 1179	1179 1206	1206 1233	1233 1260	1260 1287	1287 1314	1314 1341	1341 1368	1368 1395	1395 1422

16-stufiger Elementar-Bunttonkreis mit Ziel-Elementar-Buntton: $h_{ab,a} = 25.4, 92.3, 162.2, 271.7$

	X	Y	Z	x	y	h_{AB}	L^*	a^*	b^*	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h_{ab,a}$	$rgb \rightarrow rgb^*_e$
r00j=R	31.4	17.3	6.6	0.566	0.313	17.3	48.7	66.5	32.9	48.7	66.7	31.8	73.9	25.4	1.00 0.00 0.00
r25j	34.5	22.5	5.1	0.555	0.361	29.2	54.5	52.6	49.2	54.5	52.9	47.9	71.4	42.2	1.00 0.25 0.00
r50j	40.5	31.9	6.2	0.514	0.405	46.6	63.2	34.6	59.5	63.2	35.0	58.0	67.8	58.9	1.00 0.50 0.00
r75j	48.6	44.8	7.6	0.48	0.443	68.5	72.7	17.1	70.4	72.7	17.6	68.8	71.1	75.5	1.00 0.75 0.00
j00g=J	63.1	68.2	10.2	0.445	0.481	93.3	86.1	-4.0	85.1	86.1	-3.3	83.2	83.3	92.3	1.00 1.00 0.00
j25g	41.3	53.0	10.1	0.396	0.507	115.4	77.8	-25.6	71.3	77.8	-25.0	69.6	74.0	109.8	0.75 1.00 0.00
j50g	24.2	36.8	9.3	0.344	0.523	131.8	67.1	-41.3	55.2	67.1	-40.9	53.7	67.6	127.3	0.50 1.00 0.00
j75g	14.9	27.7	9.8	0.285	0.527	145.3	59.6	-56.0	40.7	59.6	-55.6	39.3	68.2	144.7	0.25 1.00 0.00
g00b=G	12.2	24.9	15.6	0.232	0.471	159.4	56.9	-61.7	20.9	56.9	-61.5	19.6	64.5	162.2	0.00 1.00 0.00
g25b	15.6	27.3	35.0	0.2	0.35	193.4	59.3	-50.8	-7.1	59.3	-50.5	-8.5	51.2	189.5	0.00 1.00 0.50
g50b	19.3	29.6	57.3	0.181	0.279	229.9	61.3	-39.4	-28.0	61.3	-39.1	-29.4	49.0	216.9	0.00 1.00 1.00
g75b	18.4	23.9	62.3	0.176	0.228	254.1	56.0	-20.9	-41.7	56.0	-20.6	-43.0	47.7	244.3	0.00 0.50 1.00
b00r=B	11.6	12.0	39.6	0.183	0.19	271.2	41.2	1.3	-44.0	41.2	1.3	-45.0	45.0	271.7	0.00 0.00 1.00
b25r	7.5	5.3	24.3	0.203	0.142	288.9	27.5	27.4	-46.1	27.5	27.2	-46.9	54.2	300.1	0.50 0.00 1.00
b50r	16.8	9.8	24.6	0.327	0.191	322.8	37.4	50.1	-29.6	37.4	50.1	-30.6	58.7	328.5	1.00 0.00 1.00
b75r	33.8	17.9	20.9	0.465	0.247	357.3	49.4	72.2	-2.5	49.4	72.4	-3.7	72.5	357.0	1.00 0.00 0.50

5-stufige gleichabständige Graureihe mit Ziel-Helligkeit: $L^* = 22.2, 40.7, 59.3, 77.8, 96.3$

	277	301	310	313	325	333	345	350	361	372	377	385	386	380	372	361	354
n000w=N	348	348	350	356	362	373	388	402	421	441	461	484	510	539	570	605	634
n025w	1036	1084	1107	1126	1144	1161	1174	1189	1204	1219	1234	1257	1283	1309	1339	1373	1411
n050w	1148	1148	1139	1143	1148	1158	1173	1191	1211	1234	1257	1283	1309	1339	1373	1411	1444
n075w	2421	2537	2593	2640	2678	2710	2735	2760	2784	2792	2800	2807	2809	2802	2792	2765	2742
n100w=W	2695	2687	2675	2674	2675	2685	2702	2718	2741	2768	2795	2816	2842	2870	2903	2941	2973
	4546	4783	4913	5022	5097	5163	5223	5269	5314	5331	5347	5361	5367	5368	5365	5337	5315
	5257	5254	5237	5232	5230	5237	5257	5275	5301	5331	5357	5370	5387	5409	5435	5473	5489
	7373	7810	8068	8301	8459	8596	8717	8817	8904	8946	8987	9026	9060	9088	9119	9111	9120
	9099	9125	9110	9110	9103	9113	9140	9155	9182	9209	9226	9215	9208	9204	9208	9226	9210

SG880-7N Messung: %BEG *KKOX*REM_OFFSETS04_080929_3.TXTOffsetdruck, Modell-Separation cmy6n*, Seite 1/2

TUB-Prüfvorlage SG88; Offset-Druck, Gitter G, D65
XYZxy-, LabCh*-Daten: Elementarfarbkreis & Graustufen

Eingabe: w/rgb/cmyk -> w/rgb/cmyk-
Ausgabe: keine Änderung

48-stufiger Bunttonkreis mit Interpretation $rgb \rightarrow rgb^*_d$ -Geräte-Bunttonstufen von 1080 Normfarben

$rgb \rightarrow rgb^*_d$	$h_{ab,a}$	L^*	a^*	b^*	$rgb \rightarrow rgb^*_d$	$h_{ab,a}$	L^*	a^*	b^*	$rgb \rightarrow rgb^*_d$	$h_{ab,a}$	L^*	a^*	b^*	$rgb \rightarrow rgb^*_d$	$h_{ab,a}$	L^*	a^*	b^*
1.0 0.0 0.0	31.3	48.4	66.2	40.3	1.0 1.0 0.0	96.2	90.2	-9.6	88.3	1.0 1.0 0.0	152.5	55.8	-65.2	33.9	1.0 1.0 1.0	298.7	27.5	26.0	-47.3
1.0 0.12 0.0	38.9	52.8	56.7	45.9	0.87 1.0 0.0	99.9	86.4	-14.5	83.3	0.0 1.0 0.12	159.4	56.7	-62.6	23.5	0.0 1.0 0.12	308.4	29.6	34.0	-42.7
1.0 0.25 0.0	47.6	57.4	46.7	51.2	0.75 1.0 0.0	103.4	82.7	-18.9	79.6	0.0 1.0 0.25	167.8	57.5	-59.1	12.7	0.25 0.0 1.0	317.1	31.3	40.8	-37.8
1.0 0.37 0.0	58.1	62.8	35.8	57.6	0.62 1.0 0.0	110.2	77.5	-25.5	69.0	0.0 1.0 0.37	179.0	58.5	-54.5	0.8	0.37 0.0 1.0	322.4	35.4	44.8	-34.5
1.0 0.5 0.0	68.6	68.6	25.0	64.1	0.5 1.0 0.0	116.8	73.3	-31.7	62.8	0.0 1.0 0.5	190.1	59.3	-50.3	-8.9	0.5 0.0 1.0	331.5	38.3	52.7	-28.5
1.0 0.62 0.0	78.2	74.5	14.6	70.8	0.37 1.0 0.0	124.3	68.7	-38.7	56.8	0.0 1.0 0.62	201.4	60.1	-45.8	-18.0	0.0 0.37 1.0	339.4	40.9	59.1	-22.2
1.0 0.75 0.0	85.6	80.0	5.8	76.6	0.25 1.0 0.0	137.9	62.4	-48.6	43.9	0.0 1.0 0.75	213.2	61.0	-40.8	-26.7	0.75 0.0 1.0	343.4	44.9	63.2	-18.7
1.0 0.87 0.0	91.4	85.1	-2.0	82.0	0.12 1.0 0.0	145.4	59.3	-56.5	38.9	0.0 1.0 0.87	223.3	61.9	-36.1	-34.0	0.0 0.87 1.0	348.3	47.4	68.2	-14.0

<i>RYGB</i> _{ton}	25.4	92.3	162.2	271.7	<i>RYGB</i> _{all}	25.4	42.1	58.8	75.6	92.3	109.7	127.2	144.7	162.2	189.6	216.9	244.3	271.7	300.1	328.6	357.0	<i>LAB</i> [*] <i>Nio</i>	22.2	0.2	0.6	<i>LAB</i> [*] <i>Wio</i>	96.3	-0.8	2.0			
25.4	42.1	58.8	75.6	92.3	109.7	127.2	144.7	162.2	189.6	216.9	244.3	271.7	300.1	328.6	357.0	25.4	42.1	58.8	75.6	92.3	109.7	127.2	144.7	162.2	189.6	216.9	244.3	271.7	300.1	328.6	357.0	
46	1	3	4	7	10	13	14	17	19	22	25	28	32	35	40	46	51	56	61	66	71	76	81	86	91	96	101	106	111	116	121	126
15.7 22.0	31.3 38.9	47.6 58.1	58.1 68.6	68.6 78.2	78.2 85.6	85.6 91.4	91.4 99.9	99.9 103.4	103.4 110.2	110.2 116.8	116.8 124.3	124.3 137.9	137.9 145.4	145.4 152.5	152.5 159.4	159.4 167.8	167.8 179.0	179.0 190.1	190.1 201.4	201.4 213.2	213.2 233.9	233.9 245.5	245.5 253.6	253.6 262.6	262.6 289.8	289.8 308.4	308.4 317.1	317.1 322.4	322.4 339.4	339.4 357.1	357.1 385.0	
26.9 31.3	47.6 58.1	58.1 68.6	68.6 78.2	78.2 85.6	85.6 91.4	91.4 99.9	99.9 103.4	103.4 110.2	110.2 116.8	116.8 124.3	124.3 137.9	137.9 145.4	145.4 152.5	152.5 159.4	159.4 167.8	167.8 179.0	179.0 190.1	190.1 201.4	201.4 213.2	213.2 233.9	233.9 245.5	245.5 253.6	253.6 262.6	262.6 289.8	289.8 308.4	308.4 317.1	317.1 322.4	322.4 339.4	339.4 357.1	357.1 385.0		
0.703	0.369	0.074	0.722	0.183	0.928	0.217	0.908	0.33	0.952	0.369	0.798	0.888	0.144	0.673	0.984	0.73	0.952	0.369	0.798	0.888	0.144	0.673	0.984	0.73	0.952	0.369	0.798	0.888	0.144	0.673	0.984	
651 650	648 657	666 675	675 684	684 693	693 702	702 711	711 720	720 729	729 738	738 747	747 756	756 765	765 774	774 783	783 792	792 801	801 810	810 819	819 828	828 837	837 846	846 855	855 864	864 873	873 882	882 891	891 900	900 909	909 918	918 927	927 936	936 945
649 648	666 675	684 693	693 702	702 711	711 720	720 729	729 738	738 747	747 756	756 765	765 774	774 783	783 792	792 801	801 810	810 819	819 828	828 837	837 846	846 855	855 864	864 873	873 882	882 891	891 900	900 909	909 918	918 927	927 936	936 945	945 954	954 963
507 506	504 531	558 585	585 612	612 639	639 666	666 693	693 720	720 747	747 774	774 801	801 828	828 855	855 882	882 909	909 936	936 963	963 990	990 1017	1017 1044	1044 1071	1071 1098	1098 1125	1125 1152	1152 1179	1179 1206	1206 1233	1233 1260	1260 1287	1287 1314	1314 1341	1341 1368	1368 1395
505 504	558 585	612 639	639 666	666 693	693 720	720 747	747 774	774 801	801 828	828 855	855 882	882 909	909 936	936 963	963 990	990 1017	1017 1044	1044 1071	1071 1098	1098 1125	1125 1152	1152 1179	1179 1206	1206 1233	1233 1260	1260 1287	1287 1314	1314 1341	1341 1368	1368 1395	1395 1422	1422 1449

16-stufiger Elementar-Bunttonkreis mit Ziel-Elementar-Buntton: $h_{ab,a} = 25.4, 92.3, 162.2, 271.7$

	X	Y	Z	a	b	A	B	C_{AB}	h_{AB}	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h_{ab,a}$	$rgb \rightarrow rgb^*_e$
$r00j=R$	31.4	17.3	6.6	1.806	-0.152	14.9	4.6	15.6	17.3	48.7	66.7	31.8	73.9	25.4	1.00 0.00 0.00
$r25j$	34.5	22.5	5.1	1.534	-0.091	13.2	7.4	15.2	29.2	54.5	52.9	47.9	71.4	42.2	1.00 0.25 0.00
$r50j$	40.5	31.9	6.2	1.27	-0.078	10.3	10.9	15.0	46.6	63.2	35.0	58.0	67.8	58.9	1.00 0.50 0.00
$r75j$	48.6	44.8	7.6	1.084	-0.068	6.2	15.8	17.0	68.5	72.7	17.6	68.8	71.1	75.5	1.00 0.75 0.00
$j00g=J$	63.1	68.2	10.2	0.924	-0.06	-1.4	24.7	24.7	93.3	86.1	-3.3	83.2	83.3	92.3	1.00 1.00 0.00
$j25g$	41.3	53.0	10.1	0.78	-0.076	-8.7	18.3	20.2	115.4	77.8	-25.0	69.6	74.0	109.8	0.75 1.00 0.00
$j50g$	24.2	36.8	9.3	0.657	-0.101	-10.6	11.8	15.8	131.8	67.1	-40.9	53.7	67.6	127.3	0.50 1.00 0.00
$j75g$	14.9	27.7	9.8	0.54	-0.141	-11.2	7.7	13.6	145.3	59.6	-55.6	39.3	68.2	144.7	0.25 1.00 0.00
$g00b=G$	12.2	24.9	15.6	0.493	-0.251	-11.2	4.2	12.0	159.4	56.9	-61.5	19.6	64.5	162.2	0.00 1.00 0.00
$g25b$	15.6	27.3	35.0	0.569	-0.511	-10.2	-2.4	10.5	193.4	59.3	-50.5	-8.5	51.2	189.5	0.00 1.00 0.50
$g50b$	19.3	29.6	57.3	0.651	-0.772	-8.7	-10.4	13.5	229.9	61.3	-39.1	-29.4	49.0	216.9	0.00 1.00 1.00
$g75b$	18.4	23.9	62.3	0.77	-1.039	-4.1	-14.8	15.3	254.1	56.0	-20.6	-43.0	47.7	244.3	0.00 0.50 1.00
$b00r=B$	11.6	12.0	39.6	0.965	-1.315	0.2	-10.7	10.7	271.2	41.2	1.3	-45.0	45.0	271.7	0.00 0.00 1.00
$b25r$	7.5	5.3	24.3	1.43	-1.834	2.5	-7.4	7.9	288.9	27.5	27.2	-46.9	54.2	300.1	0.50 0.00 1.00
$b50r$	16.8	9.8	24.6	1.715	-1.005	7.5	-5.7	9.4	322.8	37.4	50.1	-30.6	58.7	328.5	1.00 0.00 1.00
$b75r$	33.8	17.9	20.9	1.883	-0.465	16.8	-0.7	16.8	357.3	49.4	72.4	-3.7	72.5	357.0	1.00 0.00 0.50

5-stufige gleichabständige Graureihe mit Ziel-Helligkeit: $L^* = 22.2, 40.7, 59.3, 77.8, 96.3$

	277	301	310	313	325	333	345	350	361	372	377	385	386	380	372	361	354
$n000w=N$	348	348	350	356	362	373	388	402	421	441	461	484	510	539	570	605	634
$n025w$	1036	1084	1107	1126	1144	1161	1174	1189	1204	1218	1223	1224	1220	1212	1194	1178	1161
$n050w$	1148	1148	1139	1143	1148	1158	1173	1191	1211	1234	1257	1283	1309	1339	1373	1411	1444
$n075w$	2421	2537	2593	2640	2678	2710	2735	2760	2784	2792	2800	2807	2809	2802	2792	2765	2742
$n100w=W$	2695	2687	2675	2674	2675	2685	2702	2718	2741	2768	2795	2816	2842	2870	2903	2941	2973
	4546	4783	4913	5022	5097	5163	5223	5269	5314	5331	5347	5361	5367	5368	5365	5337	5315
	5257	5254	5237	5232	5230	5237	5257	5275	5301	5331	5357	5370	5387	5409	5435	5473	5489
	7373	7810	8068	8301	8459	8596	8717	8817	8904	8946	8987	9026	9060	9088	9119	9111	9120
	9099	9125	9110	9110	9103	9113	9140	9155	9182	9209	9226	9215	9208	9204	9208	9226	9210

SG880-7N Messung: %BEG *KKOX*REM_OFFSETS04_080929_3.TXTOffsetdruck, Modell-Separation cmy6n*, Seite 2/2

TUB-Prüfvorlage SG88; Offset-Druck, Gitter G, D65
XYZxy-, LabCh*-Daten: Elementarfarbkreis & Graustufen

Eingabe: w/rgb/cmyk -> w/rgb/cmyk-
Ausgabe: Transfer nach rgb-