

Ein- und Ausgabe: Drucker-Reflektiv-System FRS06a für relativen CIELAB-Buntton $h_{ab,a,rel} = h_{ab}/360 = 46/360 = 0.12$

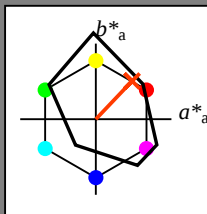
Daten für jede Geräte- (d) oder
Elementarfarbe (e):

HIC^*

Bunttontext für die Farben
dieser Seite:

$H^*_m = R25Y_-$

Dreiecks-Helligkeit T^*



FRS06a; adaptierte CIELAB-Daten					
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R-,Ma	32.5	62.3	46.4	77.7	36
Y-,Ma	82.7	-3.1	113.9	114.0	91
G-,Ma	39.4	-61.8	45.8	76.9	143
C-,Ma	47.8	-26.8	-34.2	43.4	231
B-,Ma	10.1	55.1	-61.0	82.2	312
M-,Ma	34.5	80.6	-33.9	87.5	337
N-,Ma	6.2	0.0	0.0	0.0	0
W-,Ma	91.9	0.0	0.0	0.0	0
R-,CIE	39.9	58.7	27.9	65.0	25
Y-,CIE	81.2	-2.8	71.5	71.6	92
G-,CIE	52.2	-42.4	13.6	44.5	162
B-,CIE	30.5	1.4	-46.4	46.4	271

Daten für Maximalfarbe (Ma):

$LabCh^*_{-,Ma}$: 56 48 50 69 46

$HIC^*_{-,Ma}$: R25Y_100_100_

$rgbic^*_{-,Ma}$:

1.0 0.23 0.0 1.0 1.0

Dreiecks-Helligkeit T^*

%Umfang

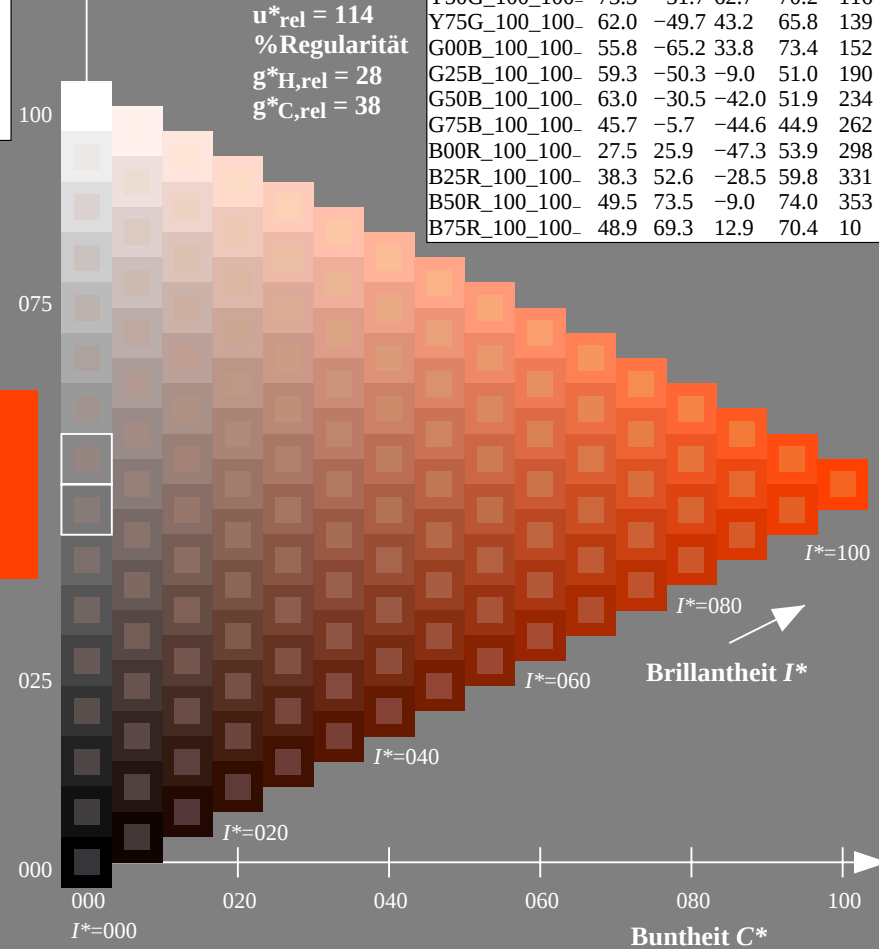
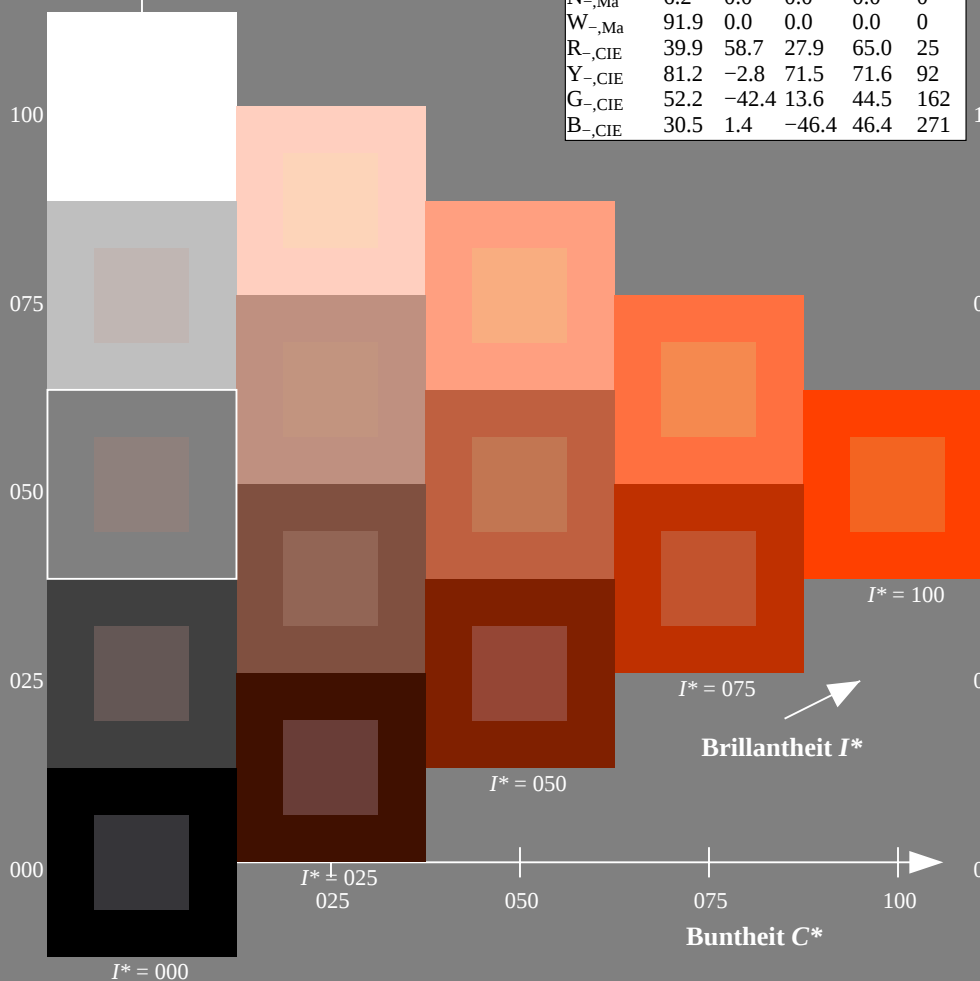
$u^*_{rel} = 114$

%Regularität

$g^*_{H,rel} = 28$

$g^*_{C,rel} = 38$

ORS20a; adaptierte CIELAB-Daten					
H^*_m	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100_	48.4	66.1	40.2	77.3	31
R25Y_100_100_	56.8	48.0	50.5	69.6	46
R50Y_100_100_	68.6	25.0	63.9	68.6	68
R75Y_100_100_	80.6	4.8	77.2	77.3	86
Y00G_100_100_	90.2	-9.6	88.2	88.7	96
Y25G_100_100_	83.2	-18.4	79.9	81.9	102
Y50G_100_100_	73.3	-31.7	62.7	70.2	116
Y75G_100_100_	62.0	-49.7	43.2	65.8	139
G00B_100_100_	55.8	-65.2	33.8	73.4	152
G25B_100_100_	59.3	-50.3	-9.0	51.0	190
G50B_100_100_	63.0	-30.5	-42.0	51.9	234
G75B_100_100_	45.7	-5.7	-44.6	44.9	262
B00R_100_100_	27.5	25.9	-47.3	53.9	298
B25R_100_100_	38.3	52.6	-28.5	59.8	331
B50R_100_100_	49.5	73.5	-9.0	74.0	353
B75R_100_100_	48.9	69.3	12.9	70.4	10



Ein- und Ausgabe: Drucker-Reflektiv-System FRS06a für relativen CIELAB-Buntton $h_{ab,a,rel} = h_{ab}/360 = 51/360 = 0.14$

$H^*_d = R25Y_d$

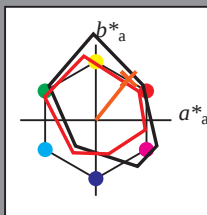
Daten für jede Geräte- (d) oder
Elementarfarbe (e):

HIC^*_d

Bunttontext für die Farben
dieser Seite:

$H^*_d = R25Y_d$

Dreiecks-Helligkeit T^*



LRS18a; adaptierte CIELAB-Daten					
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _d ,Ma	47.5	57.2	37.8	68.6	33
Y _d ,Ma	91.5	-15.8	84.6	86.1	100
G _d ,Ma	54.3	-67.6	30.8	74.3	155
C _d ,Ma	53.1	-30.0	-43.1	52.5	235
B _d ,Ma	32.5	16.9	-44.6	47.7	290
M _d ,Ma	48.1	65.4	-12.7	66.6	348
N _d ,Ma	23.8	0.0	0.0	0.0	0
W _d ,Ma	95.8	0.0	0.0	0.0	0
R _d ,CIE	39.9	58.7	27.9	65.0	25
Y _d ,CIE	81.2	-2.8	71.5	71.6	92
G _d ,CIE	52.2	-42.4	13.6	44.5	162
B _d ,CIE	30.5	1.4	-46.4	46.4	271

Daten für Maximalfarbe (Ma):

$LabCh^*_d, Ma$: 57 43 54 69 51

HIC^*_d, Ma : R25Y_100_100_d

$rgbic^*_d, Ma$:

1.0 0.23 0.0 1.0 1.0

Dreiecks-Helligkeit T^*

%Umfang

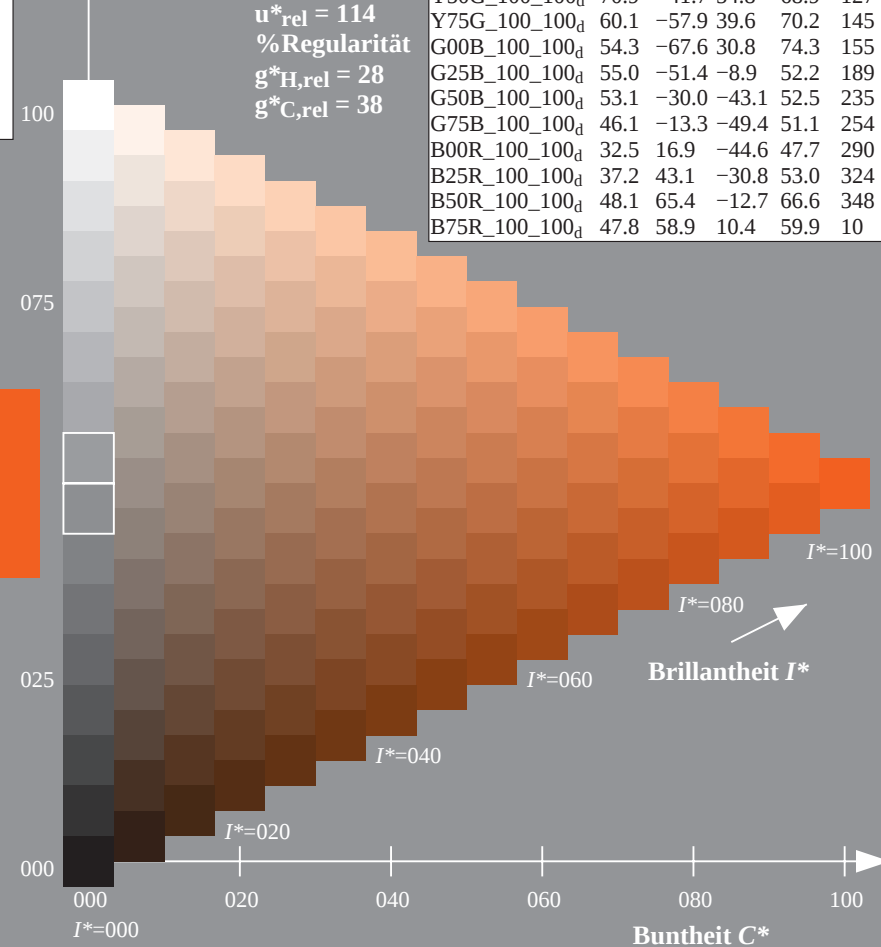
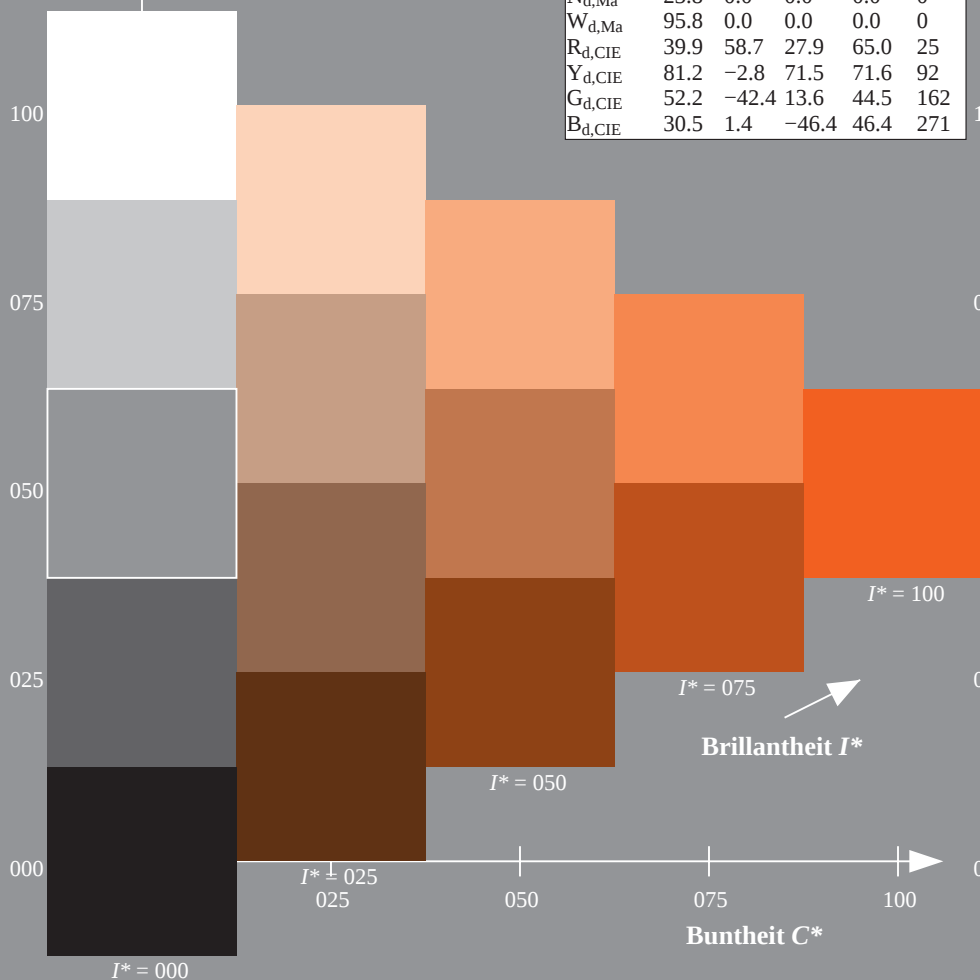
$u^*_{rel} = 114$

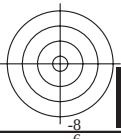
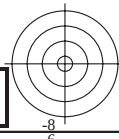
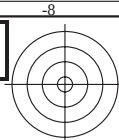
%Regularität

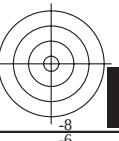
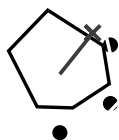
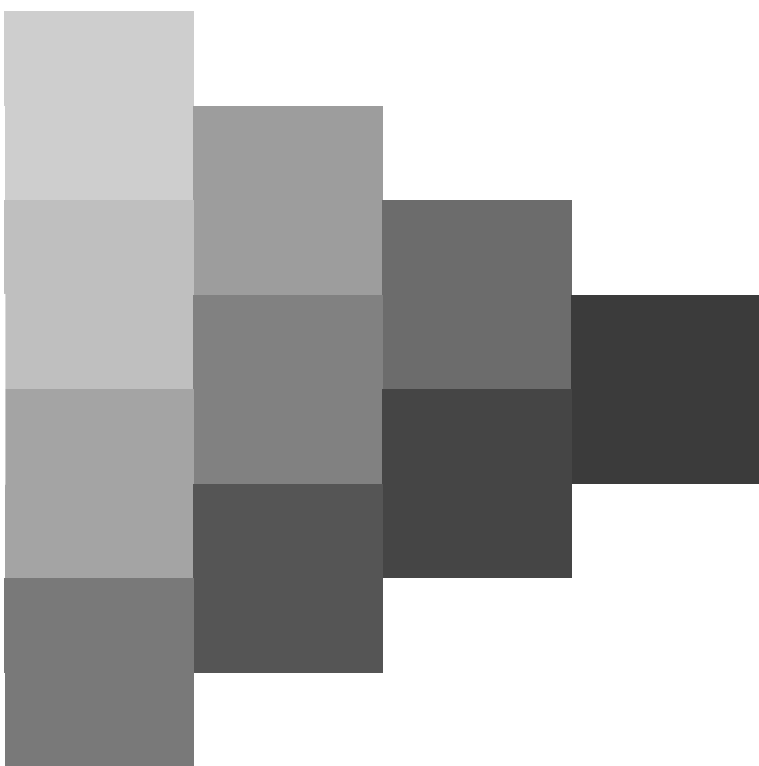
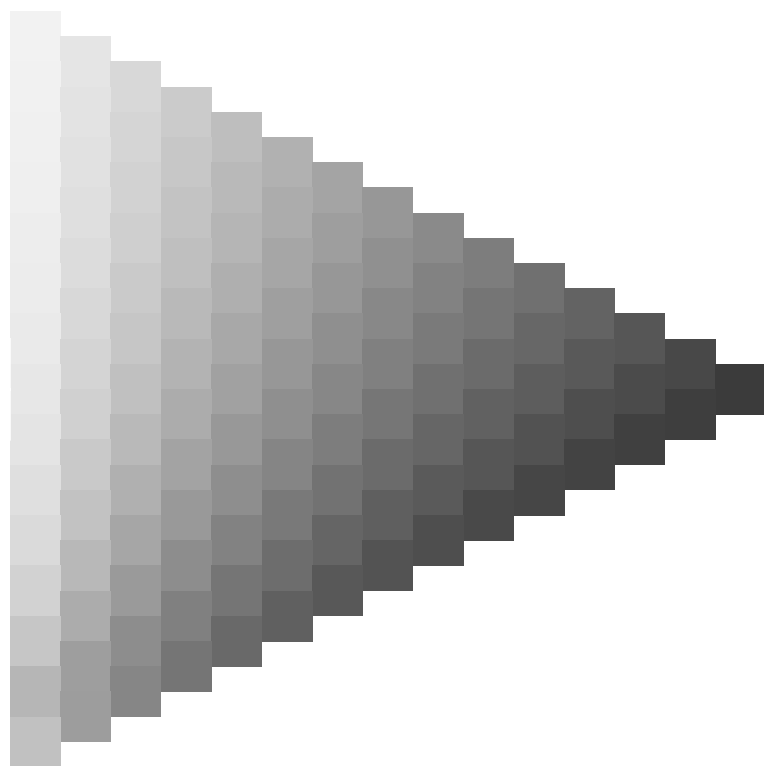
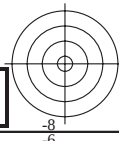
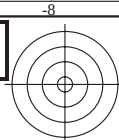
$g^*_{H,rel} = 28$

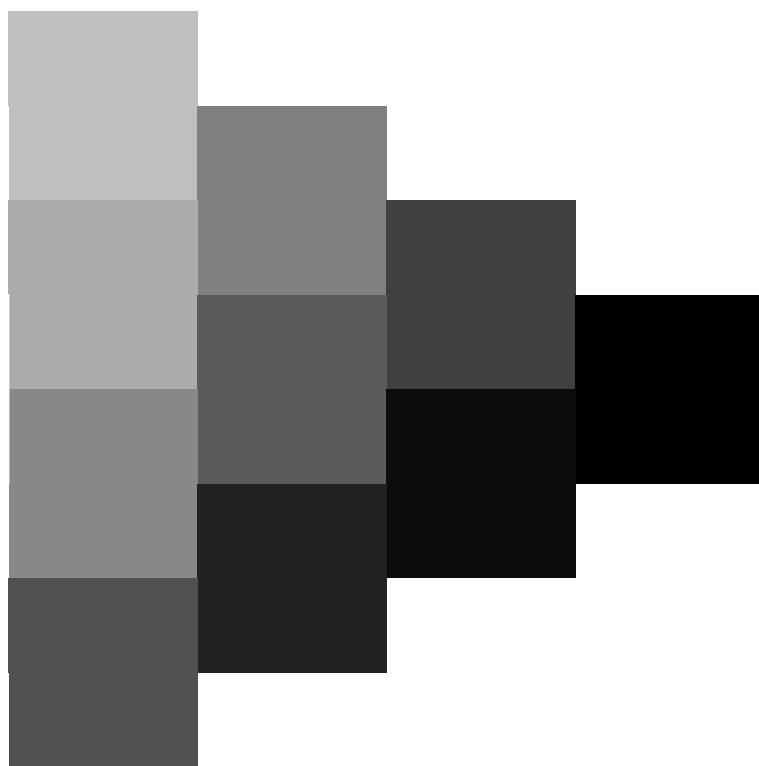
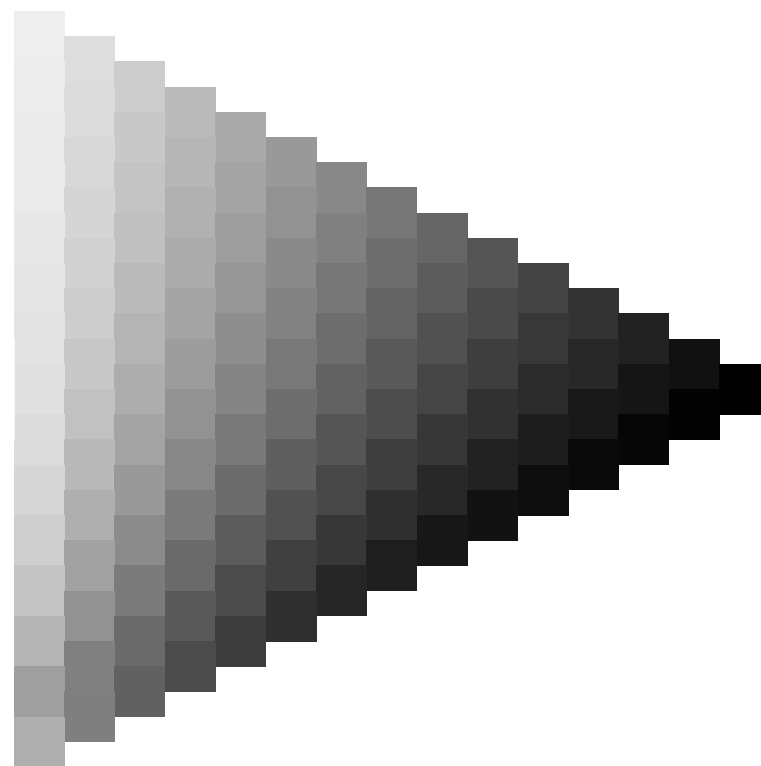
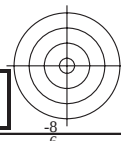
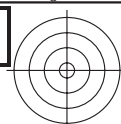
$g^*_{C,rel} = 38$

LRS18a; adaptierte CIELAB-Daten					
H^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100 _d	47.5	57.2	37.8	68.6	33
R25Y_100_100 _d	57.4	43.5	54.5	69.7	51
R50Y_100_100 _d	70.5	19.2	66.2	69.0	73
R75Y_100_100 _d	83.5	-2.9	76.8	76.9	92
Y00G_100_100 _d	91.5	-15.8	84.6	86.1	100
Y25G_100_100 _d	90.4	-20.9	86.5	89.0	103
Y50G_100_100 _d	70.9	-41.7	54.8	68.9	127
Y75G_100_100 _d	60.1	-57.9	39.6	70.2	145
G00B_100_100 _d	54.3	-67.6	30.8	74.3	155
G25B_100_100 _d	55.0	-51.4	-8.9	52.2	189
G50B_100_100 _d	53.1	-30.0	-43.1	52.5	235
G75B_100_100 _d	46.1	-13.3	-49.4	51.1	254
B00R_100_100 _d	32.5	16.9	-44.6	47.7	290
B25R_100_100 _d	37.2	43.1	-30.8	53.0	324
B50R_100_100 _d	48.1	65.4	-12.7	66.6	348
B75R_100_100 _d	47.8	58.9	10.4	59.9	10

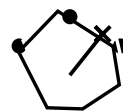








http://130.149.60.45/~farbmetrik/QG09/QG09L0NP.PDF /.PS; Transfer Ausgabe
N: Keine 3D-Linearisierung (OL) in Datei (F) oder PS-Startup (S), Seite 5/33



Siehe ähnliche Dateien: <http://130.149.60.45/~farbmetrik/QG09/QG09.HTM>
Technische Information: <http://www.ps.bam.de> oder <http://130.149.60.45/~farbmetrik>



0-003430-L0 QG090-70

TUB-Prüfvorlage QG09; Bunttoncode: $H^*_d=R25Y_d$
Prüfvorlage nach DIN 33872, 3D=0, $de=0$, cmyk

Eingabe: $rgb/cmyk \rightarrow rgb_d$
Ausgabe: Transfer nach $cmyk_d$

0-003430-E0

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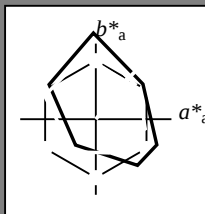
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HIC^*_d

Bunttontext für die Farben
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Dreiecks-Helligkeit T^*



LRS18a; adaptierte CIELAB-Daten					
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{d,Ma}	47.5	57.2	37.8	68.6	33
Y _{d,Ma}	91.5	-15.8	84.6	86.1	100
G _{d,Ma}	54.3	-67.6	30.8	74.3	155
C _{d,Ma}	53.1	-30.0	-43.1	52.5	235
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M _{d,Ma}	48.1	65.4	-12.7	66.6	348
N _{d,Ma}	23.8	0.0	0.0	0.0	0
W _{d,Ma}	95.8	0.0	0.0	0.0	0
R _{d,CIE}	39.9	58.7	27.9	65.0	25
Y _{d,CIE}	81.2	-2.8	71.5	71.6	92
G _{d,CIE}	52.2	-42.4	13.6	44.5	162
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Daten für Maximalfarbe (Ma):

$LabCh^*_{d,Ma}$: 57 43 54 69 51

$HIC^*_{d,Ma}$: R25Y_100_100_d

$rgbic^*_{d,Ma}$:

1.0 0.23 0.0 1.0 1.0

Dreiecks-Helligkeit T^*

%Umfang

$u^*_{rel} = 114$

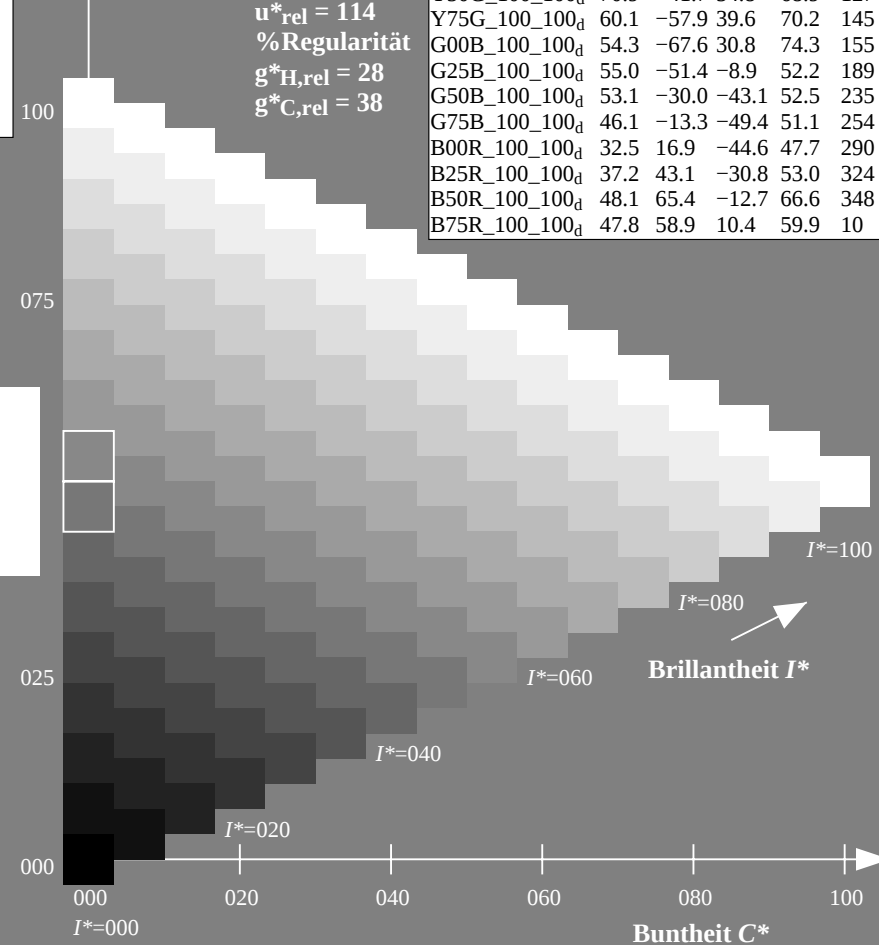
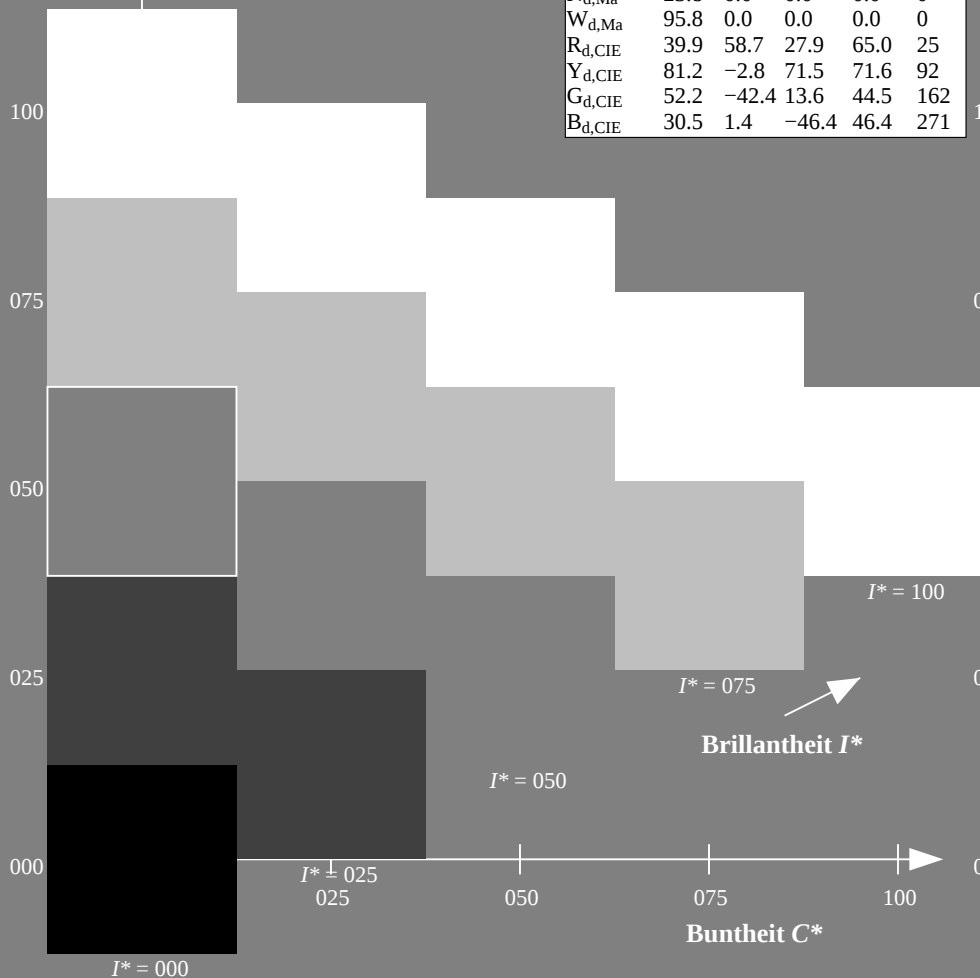
%Regularität

$g^*_{H,rel} = 28$

$g^*_{C,rel} = 38$

$H^*_d = R25Y_d$

LRS18a; adaptierte CIELAB-Daten					
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R75Y_100_100 _d	83.5	-2.9	76.8	76.9	92
Y00G_100_100 _d	91.5	-15.8	84.6	86.1	100
Y25G_100_100 _d	90.4	-20.9	86.5	89.0	103
Y50G_100_100 _d	70.9	-41.7	54.8	68.9	127
Y75G_100_100 _d	60.1	-57.9	39.6	70.2	145
G00B_100_100 _d	54.3	-67.6	30.8	74.3	155
G25B_100_100 _d	55.0	-51.4	-8.9	52.2	189
G50B_100_100 _d	53.1	-30.0	-43.1	52.5	235
G75B_100_100 _d	46.1	-13.3	-49.4	51.1	254
B00R_100_100 _d	32.5	16.9	-44.6	47.7	290
B25R_100_100 _d	37.2	43.1	-30.8	53.0	324
B50R_100_100 _d	48.1	65.4	-12.7	66.6	348
B75R_100_100 _d	47.8	58.9	10.4	59.9	10



Daten der Maximalfarbe M im Farbmetrik-System Laserdrucker-Ausgabe; Separation cmy*₆, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben RYGBM: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Sechs Bunttonwinkel der Gerätefarben RYGBM: $h_{ab,d} = 33.5, 100.6, 155.5, 235.2, 290.8, 348.9$; Sechs Bunttonwinkel der Elementarfarben RYGBM: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

J=Y_d YellowGelb

$LCH^*_d = 91.5 \ 86.1 \ 100.5$
 $LAB^*_d = 91.5 \ -15.8 \ 84.6$
 $rgb^*_d = 1.0 \ 1.0 \ 0.0$

L=G_d leaf-greenLaubgrün

$LCH^*_d = 54.3 \ 74.3 \ 155.5$
 $LAB^*_d = 54.3 \ -67.6 \ 30.8$
 $rgb^*_d = 0.0 \ 1.0 \ 0.0$

C=C_d cyan-blueCyanblau

$LCH^*_d = 53.1 \ 52.5 \ 235.1$
 $LAB^*_d = 53.1 \ -30.0 \ -43.1$
 $rgb^*_d = 0.0 \ 1.0 \ 1.0$

O=R_d orange-redOrangerot

$LCH^*_d = 47.5 \ 68.6 \ 33.4$
 $LAB^*_d = 47.5 \ 57.2 \ 37.8$
 $rgb^*_d = 1.0 \ 0.0 \ 0.0$

M=M_d magenta-redMagentarot

$LCH^*_d = 48.1 \ 66.6 \ 348.9$
 $LAB^*_d = 48.1 \ 65.4 \ -12.7$
 $rgb^*_d = 1.0 \ 0.0 \ 1.0$

V=B_d violet-blueViolettblau

$LCH^*_d = 32.5 \ 47.7 \ 290.8$
 $LAB^*_d = 32.5 \ 16.9 \ -44.6$
 $rgb^*_d = 0.0 \ 0.0 \ 1.0$

Y_e yellowGelb

$LCH^*_e = 83.6 \ 76.9 \ 92.3$
 $LAB^*_e = 83.6 \ -3.1 \ 76.8$
 $rgb^*_{de} = 1.0 \ 0.768 \ 0.0$

G_e greenGrün

$LCH^*_e = 53.8 \ 69.2 \ 162.2$
 $LAB^*_e = 53.8 \ -65.9 \ 21.1$
 $rgb^*_{de} = 0.0 \ 1.0 \ 0.146$

C_e blue-greenBlaugrün

$LCH^*_e = 54.9 \ 48.4 \ 216.9$
 $LAB^*_e = 54.9 \ -38.7 \ -29.1$
 $rgb^*_{de} = 0.0 \ 1.0 \ 0.791$

B_e blueBlau

$LCH^*_e = 37.3 \ 48.7 \ 271.7$
 $LAB^*_e = 37.3 \ 1.4 \ -48.6$
 $rgb^*_{de} = 0.0 \ 0.261 \ 1.0$

R_e redRot

$LCH^*_e = 47.5 \ 62.1 \ 25.4$
 $LAB^*_e = 47.5 \ 56.0 \ 26.7$
 $rgb^*_{de} = 1.0 \ 0.0 \ 0.263$

M_e blue-redBlaurot

$LCH^*_e = 38.5 \ 54.7 \ 328.6$
 $LAB^*_e = 38.5 \ 46.7 \ -28.5$
 $rgb^*_{de} = 0.584 \ 0.0 \ 1.0$

Y_s yellowGelb

$LCH^*_s = 81.8 \ 76.2 \ 90.0$
 $LAB^*_s = 81.8 \ 0.0 \ 76.2$
 $rgb^*_{ds} = 1.0 \ 0.732 \ 0.0$

G_s greenGrün

$LCH^*_s = 57.6 \ 70.9 \ 150.0$
 $LAB^*_s = 57.6 \ -61.4 \ 35.4$
 $rgb^*_{ds} = 0.145 \ 1.0 \ 0.0$

R_s redRot

$LCH^*_s = 47.6 \ 65.0 \ 30.0$
 $LAB^*_s = 47.6 \ 56.3 \ 32.5$
 $rgb^*_{ds} = 1.0 \ 0.0 \ 0.157$

M_s blue-redBlaurot

$LCH^*_s = 38.9 \ 55.3 \ 330.0$
 $LAB^*_s = 38.9 \ 47.9 \ -27.6$
 $rgb^*_{ds} = 0.612 \ 0.0 \ 1.0$

C_s blue-greenBlaugrün

$LCH^*_s = 55.2 \ 48.1 \ 210.0$
 $LAB^*_s = 55.2 \ -41.7 \ -24.0$
 $rgb^*_{ds} = 0.0 \ 1.0 \ 0.694$

B_s blueBlau

$LCH^*_s = 38.0 \ 48.9 \ 270.0$
 $LAB^*_s = 38.0 \ 0.0 \ -48.9$
 $rgb^*_{ds} = 0.0 \ 0.283 \ 1.0$

Notes to the CIELAB chroma diagramsAnmerkung zu den CIELAB-Buntheits-Diagrammen (a^*_d, b^*_d), (a^*_s, b^*_s), (a^*_e, b^*_e)

- For the1. Für die rgb^* -input values the CIELAB data-Eingabedaten wurden die CIELAB-Daten LCH^*_s und LAB^*_s have been calculated.
- For the calculation of the standard hue angle $h_{ab,s}$ use for any device values rgb^*_s the equation:
$$h_{ab,s} = \text{atan} [r^*_d \cos(30) + g^*_d \cos(150)] / [r^*_d \sin(30) + g^*_d \sin(150) + b^*_d \sin(270)] \quad (1)$$
- For the 48 or 360 equally spaced standard hue angles 3. Für die 48 oder 360 gleichabständig gestuften Standard-Buntonwinkel $h_{ab,s}$ of the col the seven hue angles of the 60 degree coloursdie sieben Bunttonwinkel der 60Grad-Farben s: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0, 390.0$ and the equations for a 48 and 360 step hue circle: und die Gleichungen für einen 48- und 360-stufigen Buntonkreis:
$$h_{48ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 8 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (2)$$
$$h_{360ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (3)$$
- For the 48 or 360 elementary hue angles 4. Für die 48 oder 360 Elementar-Buntonwinkel $h_{ab,e}$ of the colours of maximum chroma der Far the seven hue angles of the elementary coloursdie sieben Bunttonwinkel der Elementarfarben e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$, and the equations for a 48 and 360 step elementary hue circle: und die Gleichungen für einen 48- und 360-stufigen Elementar-Buntonkreis:
$$h_{48ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 8 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (4)$$
$$h_{360ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (5)$$
- For any elementary hue angle 5. Für jeden Elementar-Buntonwinkel $h_{ab,e}$ there is a well defined device hue angle gibt es einen genau defini see the following tables, columns 1 to 5 or 1 to 4.siehe die folgenden Tabellen, Spalten 1 bis 5 oder 1 bis 4.
- The values 6. Die Werte rgb^*_e produce the output of the device-independent elementary hues erzeugen die Ausgabe der geräteunabhängigen

Daten der Maximalfarbe M im Farbmetrik-System Laserdrucker-Ausgabe; Separation cmykn6*, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben RYGBCM_d: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Sechs Bunttonwinkel der Gerätefarben RYGBCM_d: $h_{ab,d} = 33.5, 100.6, 155.5, 235.2, 290.8, 348.9$; Sechs Bunttonwinkel der Elementarfarben RYGBCM_c: $h_{ab,c} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd64M}	$LAB^*_{dd64M} (x=LabCh)$		$rgb^*_{dex361M}$	$LAB^*_{dex361M}$	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
33.4	30.0	25.4	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
42.1	37.5	33.8	1.0	0.125	0.0	51.9	54.3	49.2	73.2	42.1
52.8	45.0	42.1	1.0	0.25	0.0	58.2	41.8	55.1	69.2	52.8
63.7	52.5	50.5	1.0	0.375	0.0	64.6	29.8	60.4	67.3	63.7
73.8	60.0	58.8	1.0	0.5	0.0	70.5	19.2	66.2	69.0	73.8
80.7	67.5	67.2	1.0	0.625	0.0	74.9	11.4	70.7	71.6	80.7
91.5	75.0	75.6	1.0	0.75	0.0	82.9	-2.0	76.9	77.0	91.5
96.8	82.5	83.9	1.0	0.875	0.0	87.6	-9.0	75.7	76.3	96.8
100.5	90.0	92.3	1.0	1.0	0.0	91.5	-15.8	84.6	86.1	100.5
101.4	97.5	101.0	0.875	1.0	0.0	92.8	-18.1	89.4	91.2	101.4
103.9	105.0	109.7	0.75	1.0	0.0	90.1	-21.3	86.0	88.6	103.9
115.0	112.5	118.5	0.625	1.0	0.0	79.9	-31.7	67.9	75.0	115.0
127.3	120.0	127.2	0.5	1.0	0.0	70.9	-41.7	54.8	68.9	127.3
134.7	127.5	136.0	0.375	1.0	0.0	66.5	-47.5	48.0	67.6	134.7
144.7	135.0	144.7	0.25	1.0	0.0	60.6	-57.2	40.4	70.1	144.7
151.0	142.5	153.4	0.125	1.0	0.0	57.0	-62.2	34.4	71.1	151.0
155.5	150.0	162.2	0.0	1.0	0.0	54.3	-67.6	30.8	74.3	155.5
160.8	157.5	169.0	0.0	1.0	0.125	53.8	-66.4	23.0	70.2	160.8
168.5	165.0	175.9	0.0	1.0	0.25	53.7	-63.1	12.8	64.4	168.5
179.9	172.5	182.7	0.0	1.0	0.375	54.7	-56.8	0.0	56.8	179.9
189.8	180.0	189.6	0.0	1.0	0.5	55.0	-51.4	-8.9	52.2	189.8
204.4	187.5	196.4	0.0	1.0	0.625	55.3	-44.1	-20.0	48.5	204.4
214.4	195.0	203.2	0.0	1.0	0.75	55.2	-39.5	-27.1	47.9	214.4
221.9	202.5	210.1	0.0	1.0	0.875	54.4	-36.7	-33.0	49.4	221.9
235.1	210.0	216.9	0.0	1.0	1.0	53.1	-30.0	-43.1	52.5	235.1
237.9	217.5	223.8	0.0	0.875	1.0	53.1	-27.9	-44.7	52.7	237.9
241.3	225.0	230.6	0.0	0.75	1.0	52.9	-25.9	-47.5	54.1	241.3
247.2	232.5	237.5	0.0	0.625	1.0	50.5	-20.8	-49.5	53.7	247.2
254.9	240.0	244.3	0.0	0.5	1.0	46.1	-13.3	-49.4	51.1	254.9
262.6	247.5	251.2	0.0	0.375	1.0	41.4	-6.3	-49.2	49.6	262.6
272.6	255.0	258.0	0.0	0.25	1.0	36.8	2.2	-48.5	48.6	272.6
281.4	262.5	264.8	0.0	0.125	1.0	35.0	9.4	-46.3	47.3	281.4
290.8	270.0	271.7	0.0	0.0	1.0	32.5	16.9	-44.6	47.7	290.8
299.2	277.5	278.8	0.125	0.0	1.0	31.6	23.6	-42.2	48.4	299.2
307.8	285.0	285.9	0.25	0.0	1.0	31.0	30.5	-39.3	49.8	307.8
317.5	292.5	293.0	0.375	0.0	1.0	34.2	38.2	-35.0	51.8	317.5
324.4	300.0	300.1	0.5	0.0	1.0	37.2	43.1	-30.8	53.0	324.4
330.6	307.5	307.2	0.625	0.0	1.0	39.1	48.4	-27.2	55.6	330.6
338.7	315.0	314.3	0.75	0.0	1.0	41.8	55.1	-21.4	59.1	338.7
343.9	322.5	321.4	0.875	0.0	1.0	45.6	60.1	-17.3	62.6	343.9
348.9	330.0	328.6	1.0	0.0	1.0	48.1	65.4	-12.7	66.6	348.9
350.7	337.5	335.7	1.0	0.0	0.875	49.5	66.1	-10.7	67.0	350.7
354.2	345.0	342.8	1.0	0.0	0.75	49.3	64.5	-6.5	64.8	354.2
361.9	352.5	349.9	1.0	0.0	0.625	48.0	61.8	2.1	61.8	361.9
370.0	360.0	357.0	1.0	0.0	0.5	47.8	58.9	10.4	59.9	370.0
378.9	367.5	364.1	1.0	0.0	0.375	47.4	56.8	19.5	60.0	378.9
386.2	375.0	371.2	1.0	0.0	0.25	47.5	55.9	27.5	62.3	386.2
391.3	382.5	378.3	1.0	0.0	0.125	47.6	56.3	34.2	65.9	391.3
393.4	390.0	385.4	1.0	0.0	0.0	47.5	57.2	37.8	68.6	393.4

0-003830-L0

QG090-70

LAB*la0, YN=0%, XYZnw=3.9, 4.1, 4.1, 84.7, 89.6, 93.9, LAB*nmw=23.9, 0.0, 0.0, 95.8, 0.0, 0.0

Ausgabe: Laserdrucker-Ausgabe; Separation cmykn6*, D65, Seite 9/33

TUB-Prüfvorlage QG09; Bunttoncode: H*d=R25Yd
48-stufige Farbkreise; $rgb-LabCh^*$ -Tabellen

Eingabe: $rgb/cmyk \rightarrow rgb_d$
Ausgabe: Transfer nach $cmyk_d$

0-003830-F0

Siehe ähnliche Dateien: <http://130.149.60.45/~farbmetrik/QG09/QG09L0NP.PDF> / .PS
Technische Information: <http://www.ps.bam.de> oder <http://130.149.60.45/~farbmetrik>

TUB-Registrierung: 20130201-QG09/QG09L0NP.PDF / .PS
Anwendung für Messung von Laserdrucker-Ausgabe, Separation cmykn6 (CMYK)
TUB-Material: Code=rha4ta

Daten der Maximalfarbe M im Farbmetrik-System Laserdrucker-Ausgabe; Separation cmykn6*, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben RYGBCMs: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;																
Sechs Bunttonwinkel der Gerätefarben RYGBCMd: $h_{ab,d} = 33.5, 100.6, 155.5, 235.2, 290.8, 348.9$; Sechs Bunttonwinkel der Elementarfarben RYGBCMc: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$																
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	$rgb^*_{dd361Mi}$	$LAB^*_{dd361Mi}$ (x=LabCh)	R_d	$rgb^*_{ds361Mi}$	$LAB^*_{ds361Mi}$ (x=LabCh)	R_s	$rgb^*_{dd361Mi}$	$rgb^*_{de361Mi}$	$LAB^*_{dex361Mi}$ (x=LabCh)	R_e	$rgb^*_{dd361Mi}$	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
33	30	25	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33	1.0	0.0	0.0	0.0		
34	31	26	1.0	0.016	0.0	48.1	56.9	39.3	69.2	34	1.0	0.0	0.017	0.0		
35	32	27	1.0	0.033	0.0	48.7	56.6	40.8	69.8	35	1.0	0.0	0.033	0.0		
36	33	28	1.0	0.05	0.0	49.3	56.3	42.3	70.4	36	1.0	0.0	0.05	0.0		
38	34	29	1.0	0.066	0.0	49.9	55.9	43.9	71.1	38	1.0	0.0	0.067	0.0		
39	35	31	1.0	0.083	0.0	50.5	55.5	45.4	71.7	39	1.0	0.0	0.083	0.0		
40	36	32	1.0	0.1	0.0	51.0	55.0	46.9	72.3	40	1.0	0.0	0.1	0.0		
41	37	33	1.0	0.116	0.0	51.6	54.5	48.4	72.9	41	1.0	0.0	0.117	0.0		
42	38	34	1.0	0.133	0.0	52.3	53.4	49.7	73.0	42	1.0	0.0	0.133	0.0		
44	39	35	1.0	0.15	0.0	53.2	51.8	50.6	72.4	44	1.0	0.0	0.15	0.0		
45	40	36	1.0	0.166	0.0	54.0	50.2	51.5	71.9	45	1.0	0.0	0.167	0.0		
47	41	37	1.0	0.183	0.0	54.9	48.5	52.3	71.4	47	1.0	0.0	0.183	0.0		
48	42	38	1.0	0.2	0.0	55.7	46.8	53.1	70.8	48	1.0	0.0	0.2	0.0		
50	43	39	1.0	0.216	0.0	56.6	45.2	53.8	70.3	50	1.0	0.0	0.217	0.0		
51	44	41	1.0	0.233	0.0	57.4	43.5	54.5	69.7	51	1.0	0.0	0.233	0.0		
52	45	42	1.0	0.25	0.0	58.2	41.8	55.1	69.2	52	1.0	0.0	0.25	0.0		
54	46	43	1.0	0.266	0.0	59.1	40.2	56.0	69.0	54	1.0	0.0	0.267	0.0		
55	47	44	1.0	0.283	0.0	59.9	38.6	56.8	68.7	55	1.0	0.0	0.283	0.0		
57	48	45	1.0	0.3	0.0	60.8	37.1	57.5	68.5	57	1.0	0.0	0.3	0.0		
58	49	46	1.0	0.316	0.0	61.6	35.5	58.2	68.2	58	1.0	0.0	0.317	0.0		
60	50	47	1.0	0.333	0.0	62.5	33.9	58.9	68.0	60	1.0	0.0	0.333	0.0		
61	51	48	1.0	0.35	0.0	63.3	32.2	59.5	67.7	61	1.0	0.0	0.35	0.0		
63	52	49	1.0	0.366	0.0	64.2	30.6	60.1	67.5	63	1.0	0.0	0.367	0.0		
64	53	51	1.0	0.383	0.0	65.0	29.1	60.8	67.4	64	1.0	0.0	0.383	0.0		
65	54	52	1.0	0.4	0.0	65.8	27.8	61.7	67.7	65	1.0	0.0	0.4	0.0		
67	55	53	1.0	0.416	0.0	66.6	26.4	62.5	67.9	67	1.0	0.0	0.417	0.0		
68	56	54	1.0	0.433	0.0	67.3	25.0	63.3	68.1	68	1.0	0.0	0.433	0.0		
69	57	55	1.0	0.45	0.0	68.1	23.6	64.1	68.3	69	1.0	0.0	0.45	0.0		
71	58	56	1.0	0.466	0.0	68.9	22.1	64.8	68.5	71	1.0	0.0	0.467	0.0		
72	59	57	1.0	0.483	0.0	69.7	20.7	65.6	68.8	72	1.0	0.0	0.483	0.0		
73	60	58	1.0	0.5	0.0	70.5	19.2	66.2	69.0	73	1.0	0.0	0.5	0.0		
74	61	60	1.0	0.516	0.0	71.0	18.2	66.9	69.3	74	1.0	0.0	0.517	0.0		
75	62	61	1.0	0.533	0.0	71.6	17.2	67.5	69.7	75	1.0	0.0	0.533	0.0		
76	63	62	1.0	0.55	0.0	72.2	16.2	68.1	70.0	76	1.0	0.0	0.55	0.0		
77	64	63	1.0	0.566	0.0	72.8	15.1	68.7	70.4	77	1.0	0.0	0.567	0.0		
78	65	64	1.0	0.583	0.0	73.4	14.1	69.3	70.7	78	1.0	0.0	0.583	0.0		
79	66	65	1.0	0.6	0.0	74.0	13.0	69.9	71.1	79	1.0	0.0	0.6	0.0		
80	67	66	1.0	0.616	0.0	74.6	12.0	70.4	71.4	80	1.0	0.0	0.617	0.0		
81	68	67	1.0	0.633	0.0	75.4	10.6	71.2	72.0	81	1.0	0.0	0.633	0.0		
82	69	68	1.0	0.65	0.0	76.5	8.9	72.1	72.7	82	1.0	0.0	0.65	0.0		
84	70	70	1.0	0.666	0.0	77.5	7.2	73.0	73.4	84	1.0	0.0	0.667	0.0		
85	71	71	1.0	0.683	0.0	78.6	5.4	73.9	74.1	85	1.0	0.0	0.683	0.0		
87	72	72	1.0	0.7	0.0	79.7	3.6	74.7	74.8	87	1.0	0.0	0.7	0.0		
88	73	73	1.0	0.716	0.0	80.8	1.7	75.5	75.5	88	1.0	0.0	0.717	0.0		
-269	74	74	1.0	0.733	0.0	81.8	-0.1	76.3	76.3	-269	1.0	0.0	0.733	0.0		
-268	75	75	1.0	0.75	0.0	82.9	-2.0	76.9	77.0	-268	1.0	0.0	0.75	0.0		

0-003930-L0 QG090-70 LAB*la0, YN=0%, XYZnw=3.9, 4.1, 4.1, 84.7, 89.6, 93.9, LAB*nw=23.9, 0.0, 0.0, 95.8, 0.0, 0.0

Ausgabe: Laserdrucker-Ausgabe; Separation cmykn6*, D65, Seite 10/33

TUB-Prüfvorlage QG09; Bunttoncode: H*d=R25Yd
48-stufige Farbkreise; $rgb-LabCh^*$ -Tabellen

Eingabe: $rgb/cmyk \rightarrow rgb_d$
Ausgabe: Transfer nach $cmyk_d$

Daten der Maximalfarbe M im Farbmetrik-System Laserdrucker-Ausgabe; Separation cmyn6*, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben RYGBM _s : $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;																		
Sechs Bunttonwinkel der Gerätefarben RYGBM _d : $h_{ab,d} = 33.5, 100.6, 155.5, 235.2, 290.8, 348.9$; Sechs Bunttonwinkel der Elementarfarben RYGBM _e : $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$																		
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}	$LAB^*_{ddx361Mi} (x=LabCh)$	$rgb^*_{ds361Mi}$	$LAB^*_{dsx361Mi} (x=LabCh)$	$rgb^*_{dd361Mi}$	$rgb^*_{de361Mi}$	$LAB^*_{dex361Mi} (x=LabCh)$	$rgb^*_{dd361Mi}$	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}					
-268	75	75	1.0	0.75 0.0	82.9	-2.0 76.9 77.0	-268	R_d										
92	76	76	1.0	0.766 0.0	83.5	-2.9 76.8 76.9	92											
92	77	77	1.0	0.783 0.0	84.2	-3.9 76.7 76.8	92											
93	78	78	1.0	0.8 0.0	84.8	-4.8 76.5 76.7	93											
94	79	80	1.0	0.816 0.0	85.4	-5.8 76.4 76.6	94											
95	80	81	1.0	0.833 0.0	86.0	-6.7 76.2 76.5	95											
95	81	82	1.0	0.85 0.0	86.6	-7.6 76.0 76.4	95											
96	82	83	1.0	0.866 0.0	87.3	-8.6 75.8 76.3	96											
97	83	84	1.0	0.883 0.0	87.8	-9.4 76.3 76.9	97											
97	84	85	1.0	0.9 0.0	88.4	-10.3 77.6 78.2	97											
98	85	86	1.0	0.916 0.0	88.9	-11.2 78.8 79.6	98											
98	86	87	1.0	0.933 0.0	89.4	-12.0 80.0 80.9	98											
99	87	88	1.0	0.95 0.0	89.9	-12.9 81.1 82.2	99											
99	88	90	1.0	0.966 0.0	90.5	-13.9 82.3 83.5	99											
100	89	91	1.0	0.983 0.0	91.0	-14.8 83.5 84.8	100											
100	90	92	1.0	1.0 0.0	91.5	-15.8 84.6 86.1	100	Y_d										
100	91	93	0.983	1.0 0.0	91.7	-16.1 85.3 86.8	100											
100	92	94	0.966	1.0 0.0	91.9	-16.4 85.9 87.5	100											
100	93	95	0.95	1.0 0.0	92.0	-16.7 86.5 88.2	100											
101	94	96	0.933	1.0 0.0	92.2	-17.0 87.2 88.8	101											
101	95	98	0.916	1.0 0.0	92.4	-17.3 87.8 89.5	101											
101	96	99	0.9	1.0 0.0	92.5	-17.6 88.4 90.2	101											
101	97	100	0.883	1.0 0.0	92.7	-18.0 89.1 90.9	101											
101	98	101	0.866	1.0 0.0	92.6	-18.3 89.2 91.0	101											
101	99	102	0.85	1.0 0.0	92.2	-18.8 88.7 90.7	101											
102	100	103	0.833	1.0 0.0	91.9	-19.2 88.3 90.3	102											
102	101	105	0.816	1.0 0.0	91.5	-19.6 87.8 90.0	102											
102	102	106	0.8	1.0 0.0	91.1	-20.1 87.4 89.7	102											
103	103	107	0.783	1.0 0.0	90.8	-20.5 86.9 89.3	103											
103	104	108	0.766	1.0 0.0	90.4	-20.9 86.5 89.0	103											
103	105	109	0.75	1.0 0.0	90.1	-21.3 86.0 88.6	103											
105	106	110	0.733	1.0 0.0	88.7	-23.1 83.7 86.8	105											
106	107	112	0.716	1.0 0.0	87.3	-24.7 81.3 85.0	106											
108	108	113	0.7	1.0 0.0	86.0	-26.2 78.9 83.2	108											
109	109	114	0.683	1.0 0.0	84.6	-27.6 76.5 81.3	109											
111	110	115	0.666	1.0 0.0	83.3	-28.9 74.1 79.5	111											
112	111	116	0.65	1.0 0.0	81.9	-30.1 71.6 77.7	112											
114	112	117	0.633	1.0 0.0	80.5	-31.2 69.2 75.9	114											
115	113	119	0.616	1.0 0.0	79.3	-32.5 67.1 74.6	115											
117	114	120	0.6	1.0 0.0	78.1	-34.0 65.4 73.8	117											
119	115	121	0.583	1.0 0.0	76.9	-35.5 63.7 72.9	119											
120	116	122	0.566	1.0 0.0	75.7	-36.9 62.0 72.1	120											
122	117	123	0.55	1.0 0.0	74.5	-38.2 60.2 71.3	122											
124	118	124	0.533	1.0 0.0	73.3	-39.4 58.4 70.5	124											
125	119	126	0.516	1.0 0.0	72.1	-40.6 56.6 69.7	125											
127	120	127	0.5	1.0 0.0	70.9	-41.7 54.8 68.9	127											

0-0031030-L0 QG090-70 LAB*la0, YN=0%, XYZnw=3.9, 4.1, 4.1, 84.7, 89.6, 93.9, LAB*nw=23.9, 0.0, 0.0, 95.8, 0.0, 0.0

TUB-Prüfvorlage QG09; Bunttoncode: H*d=R25Yd
48-stufige Farbkreise; $rgb-LabCh^*$ -Tabellen

Eingabe: $rgb/cmyk \rightarrow rgb_d$
Ausgabe: Transfer nach $cmyk_d$

Ausgabe: Laserdrucker-Ausgabe; Separation cmyn6*, D65, Seite 11/33

Daten der Maximalfarbe M im Farbmetrik-System Laserdrucker-Ausgabe; Separation cmyn6*, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben RYGBCMs: hab,ds = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Sechs Bunttonwinkel der Gerätefarben RYGBCMg: hab,d = 33.5, 100.6, 155.5, 235.2, 290.8, 348.9; Sechs Bunttonwinkel der Elementarfarben RYGBCMc: hab,e = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6																	
hab,d	hab,s	hab,e	rgb* dd361M	LAB* ddx361Mi (x=LabCh)	rgb* ds361Mi	LAB* dsx361Mi (x=LabCh)	rgb* dd361Mi	rgb* de361Mi	LAB* dex361Mi (x=LabCh)	rgb* dd361Mi	rgb* dd	rgb* ds	rgb* de				
127	120	127	0.5	1.0	0.0	70.9	-41.7	54.8	68.9	127	0.5	1.0	0.0				
128	121	128	0.483	1.0	0.0	70.4	-42.6	53.9	68.7	128	0.483	1.0	0.0				
129	122	129	0.466	1.0	0.0	69.8	-43.4	53.0	68.5	129	0.467	1.0	0.0				
130	123	130	0.45	1.0	0.0	69.2	-44.2	52.1	68.3	130	0.45	1.0	0.0				
131	124	131	0.433	1.0	0.0	68.6	-45.0	51.2	68.2	131	0.433	1.0	0.0				
132	125	133	0.416	1.0	0.0	68.0	-45.7	50.3	68.0	132	0.417	1.0	0.0				
133	126	134	0.4	1.0	0.0	67.4	-46.5	49.4	67.8	133	0.4	1.0	0.0				
134	127	135	0.383	1.0	0.0	66.8	-47.2	48.5	67.7	134	0.383	1.0	0.0				
135	128	136	0.366	1.0	0.0	66.1	-48.2	47.5	67.7	135	0.367	1.0	0.0				
136	129	137	0.35	1.0	0.0	65.4	-49.5	46.6	68.1	136	0.35	1.0	0.0				
138	130	138	0.333	1.0	0.0	64.6	-50.9	45.7	68.4	138	0.333	1.0	0.0				
139	131	140	0.316	1.0	0.0	63.8	-52.2	44.7	68.7	139	0.317	1.0	0.0				
140	132	141	0.3	1.0	0.0	63.0	-53.5	43.7	69.1	140	0.3	1.0	0.0				
142	133	142	0.283	1.0	0.0	62.2	-54.7	42.6	69.4	142	0.283	1.0	0.0				
143	134	143	0.266	1.0	0.0	61.4	-56.0	41.5	69.7	143	0.267	1.0	0.0				
144	135	144	0.25	1.0	0.0	60.6	-57.2	40.4	70.1	144	0.25	1.0	0.0				
145	136	145	0.233	1.0	0.0	60.1	-57.9	39.6	70.2	145	0.233	1.0	0.0				
146	137	147	0.216	1.0	0.0	59.6	-58.6	38.9	70.3	146	0.217	1.0	0.0				
147	138	148	0.2	1.0	0.0	59.1	-59.3	38.1	70.5	147	0.2	1.0	0.0				
148	139	149	0.183	1.0	0.0	58.7	-59.9	37.3	70.6	148	0.183	1.0	0.0				
148	140	150	0.166	1.0	0.0	58.2	-60.6	36.4	70.7	148	0.167	1.0	0.0				
149	141	151	0.15	1.0	0.0	57.7	-61.2	35.6	70.9	149	0.15	1.0	0.0				
150	142	152	0.133	1.0	0.0	57.2	-61.9	34.8	71.0	150	0.133	1.0	0.0				
151	143	154	0.116	1.0	0.0	56.8	-62.5	34.1	71.3	151	0.117	1.0	0.0				
151	144	155	0.1	1.0	0.0	56.4	-63.3	33.7	71.7	151	0.1	1.0	0.0				
152	145	156	0.083	1.0	0.0	56.1	-64.0	33.2	72.1	152	0.083	1.0	0.0				
153	146	157	0.066	1.0	0.0	55.7	-64.7	32.8	72.6	153	0.067	1.0	0.0				
153	147	158	0.049	1.0	0.0	55.4	-65.5	32.3	73.0	153	0.05	1.0	0.0				
154	148	159	0.033	1.0	0.0	55.0	-66.2	31.8	73.5	154	0.033	1.0	0.0				
154	149	161	0.016	1.0	0.0	54.7	-66.9	31.3	73.9	154	0.017	1.0	0.0				
155	150	162	0.0	1.0	0.0	54.3	-67.6	30.8	74.3	155	0.0	1.0	0.0				
156	151	163	0.0	1.0	0.016	54.2	-67.5	29.7	73.8	156	0.0	1.0	0.017				
156	152	164	0.0	1.0	0.033	54.2	-67.4	28.6	73.2	156	0.009	1.0	0.033				
157	153	164	0.0	1.0	0.05	54.1	-67.2	27.6	72.7	157	0.007	1.0	0.05				
158	154	165	0.0	1.0	0.066	54.0	-67.1	26.6	72.1	158	0.004	1.0	0.067				
159	155	166	0.0	1.0	0.083	53.9	-66.9	25.5	71.6	159	0.001	1.0	0.083				
159	156	167	0.0	1.0	0.1	53.9	-66.7	24.5	71.1	159	0.0	1.0	0.1				
160	157	168	0.0	1.0	0.116	53.8	-66.5	23.5	70.5	160	0.0	1.0	0.117				
161	158	169	0.0	1.0	0.133	53.8	-66.2	22.3	69.9	161	0.0	1.0	0.133				
162	159	170	0.0	1.0	0.15	53.8	-65.8	20.8	69.1	162	0.0	1.0	0.15				
163	160	171	0.0	1.0	0.166	53.8	-65.5	19.4	68.3	163	0.0	1.0	0.167				
164	161	172	0.0	1.0	0.183	53.8	-65.0	18.1	67.5	164	0.0	1.0	0.183				
165	162	173	0.0	1.0	0.2	53.8	-64.6	16.7	66.7	165	0.0	1.0	0.2				
166	163	174	0.0	1.0	0.216	53.7	-64.1	15.4	66.0	166	0.0	1.0	0.217				
167	164	175	0.0	1.0	0.233	53.7	-63.6	14.1	65.2	167	0.0	1.0	0.233				
168	165	175	0.0	1.0	0.25	53.7	-63.1	12.8	64.4	168	0.0	1.0	0.25				

0-0031130-L0 QG090-70 LAB*la0, YN=0%, XYZnw=3.9, 4.1, 4.1, 84.7, 89.6, 93.9, LAB*nw=23.9, 0.0, 0.0, 95.8, 0.0, 0.0

Ausgabe: Laserdrucker-Ausgabe; Separation cmyn6*, D65, Seite 12/33

TUB-Prüfvorlage QG09; Bunttoncode: H*d=R25Yd
48-stufige Farbkreise; $rgb-LabCh^*$ -Tabellen

Eingabe: $rgb/cmyk \rightarrow rgb_d$
Ausgabe: Transfer nach $cmyk_d$

0-0031130-F0

Daten der Maximalfarbe M im Farbmetrik-System Laserdisk-Ausgabe; Separation cmy⁶⁰, D65 für Ein- oder Ausgabe; Sechsbunttonwinkel der 60-Grad Standardfarben RYGBCM; $h_{ab,60}$ = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Sechsbunttonwinkel des Gerätes farben RYGBCM; $h_{ab,30}$ = 22.5, 100.6, 155.5, 225.2, 290.8, 349.9; Sechsbunttonwinkel der Elementarfarben RYGBCM; h_{ab} = 25.5, 92.2, 162.2, 217.0, 273.7, 328.6

Sechseck-Bankwinkel der Geratefarben K10CBM ₂ , $\theta_{\text{ab,d}}$ = 53.3, 100.0, 133.3, 233.2, 230.0, 340.3, Sechseck-Bankwinkel der Elementarfarben K10CBM ₂ , $\theta_{\text{ab,e}}$ = 23.3, 92.3, 162.2, 217.0, 217.7, 320.0										Sechseck-Bankwinkel der Geratefarben K10CBM ₂ , $\theta_{\text{ab,d}}$ = 53.3, 100.0, 133.3, 233.2, 230.0, 340.3, Sechseck-Bankwinkel der Elementarfarben K10CBM ₂ , $\theta_{\text{ab,e}}$ = 23.3, 92.3, 162.2, 217.0, 217.7, 320.0										Sechseck-Bankwinkel der Geratefarben K10CBM ₂ , $\theta_{\text{ab,d}}$ = 53.3, 100.0, 133.3, 233.2, 230.0, 340.3, Sechseck-Bankwinkel der Elementarfarben K10CBM ₂ , $\theta_{\text{ab,e}}$ = 23.3, 92.3, 162.2, 217.0, 217.7, 320.0															
$\theta_{\text{ab,d}}$	$\theta_{\text{ab,s}}$	$\theta_{\text{ab,e}}$	$\text{rgb}^*\text{-dd361Mi}$	$\text{LAB}^*\text{-dxx361Mi (x=LabCh)}$	$\text{rgb}^*\text{-ds361Mi}$	$\text{LAB}^*\text{-dxx361Mi (x=LabCh)}$	$\text{rgb}^*\text{-dd361Mi}$	$\text{LAB}^*\text{-dxx361Mi (x=LabCh)}$	$\text{rgb}^*\text{-ds361Mi}$	$\text{LAB}^*\text{-dxx361Mi (x=LabCh)}$	$\text{rgb}^*\text{-dd361Mi}$	$\text{LAB}^*\text{-dxx361Mi (x=LabCh)}$	$\text{rgb}^*\text{-de361Mi}$	$\text{LAB}^*\text{-dex361Mi (x=LabCh)}$	$\text{rgb}^*\text{-dd361Mi}$	$\text{rgb}^*\text{-dd361Mi}$	$\text{rgb}^*\text{-ds361Mi}$	$\text{rgb}^*\text{-de361Mi}$																	
168	165	175	0.0	1.0	0.25	53.7	-63.1	12.8	64.4	168	0.0	1.0	0.192	53.8	-64.7	17.4	67.1	165	0.0	1.0	0.25	0.0	1.0	0.331	54.4	-59.3	4.2	59.5	175	0.0	1.0	0.25			
170	166	176	0.0	1.0	0.266	53.9	-62.4	10.9	63.4	170	0.0	1.0	0.209	53.8	-64.3	16.1	66.4	166	0.0	1.0	0.267	0.0	1.0	0.341	54.5	-58.7	3.3	58.9	176	0.0	1.0	0.267			
171	167	177	0.0	1.0	0.283	54.0	-61.7	9.1	62.4	171	0.0	1.0	0.225	53.8	-63.8	14.8	65.6	167	0.0	1.0	0.283	0.0	1.0	0.351	54.6	-58.2	2.3	58.3	177	0.0	1.0	0.283			
173	168	178	0.0	1.0	0.3	54.1	-60.9	7.3	61.3	173	0.0	1.0	0.242	53.8	-63.3	13.5	64.8	168	0.0	1.0	0.3	0.0	1.0	0.361	54.7	-57.6	1.4	57.7	178	0.0	1.0	0.3			
174	169	179	0.0	1.0	0.316	54.3	-60.1	5.6	60.3	174	0.0	1.0	0.255	53.8	-62.8	12.2	64.1	169	0.0	1.0	0.317	0.0	1.0	0.371	54.7	-57.0	0.4	57.1	179	0.0	1.0	0.317			
176	170	180	0.0	1.0	0.333	54.4	-59.2	3.9	59.3	176	0.0	1.0	0.266	53.9	-62.4	11.0	63.5	170	0.0	1.0	0.333	0.0	1.0	0.382	54.8	-56.5	-0.4	56.6	180	0.0	1.0	0.333			
177	171	181	0.0	1.0	0.35	54.5	-58.2	2.3	58.3	177	0.0	1.0	0.277	54.0	-61.9	9.8	62.8	171	0.0	1.0	0.35	0.0	1.0	0.393	54.8	-56.0	-1.3	56.2	181	0.0	1.0	0.35			
179	172	182	0.0	1.0	0.366	54.7	-57.3	0.8	57.3	179	0.0	1.0	0.288	54.1	-61.4	8.6	62.1	172	0.0	1.0	0.367	0.0	1.0	0.405	54.8	-55.6	-2.1	55.7	182	0.0	1.0	0.367			
180	173	183	0.0	1.0	0.383	54.7	-56.5	-0.6	56.5	180	0.0	1.0	0.299	54.2	-60.9	7.5	61.5	173	0.0	1.0	0.383	0.0	1.0	0.416	54.9	-55.1	-3.0	55.3	183	0.0	1.0	0.383			
181	174	184	0.0	1.0	0.4	54.8	-55.8	-1.8	55.9	181	0.0	1.0	0.31	54.3	-60.4	6.4	60.8	174	0.0	1.0	0.4	0.0	1.0	0.428	54.9	-54.6	-3.8	54.9	184	0.0	1.0	0.4			
183	175	185	0.0	1.0	0.416	54.8	-55.2	-3.1	55.2	183	0.0	1.0	0.321	54.3	-59.8	5.2	60.1	175	0.0	1.0	0														

0-0031230-L0	QG090-70	LAB*la0, YN=0%, XYZnw=3.9, 4.1, 4.1, 84.7, 89.6, 93.9, LAB*nw=23.9, 0.0, 0.0, 95.8, 0.0, 0.0
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Ausgabe: Laserdrucker-Ausgabe; Separation cmyn6*, D65, Seite 13/38

TUB-Prüfvorlage QG09; Bunttoncode: H*d=R25Yd
48-stufige Farbkreise; *rgb-LabCh**-Tabellen

Eingabe: $rgb/cmyk \rightarrow rgb_d$
Ausgabe: Transfer nach $cmyk_d$

TUB-Registrierung: 20130201-QG09/QG09L0NP.PDF /.PS TUB-Material: Code=rha4ta
Anwendung für Messung von Laserdrucker-Ausgabe, Separation cmy6 (CMYK)

Daten der Maximalfarbe M im Farbmimetrik-System Laserdrucker-Ausgabe; Separation cmykn*, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben $RYGBM_{ds}$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$; Sechs Bunttonwinkel der Gerätefarben $RYGBM_d$: $h_{ab,d} = 33.5, 100.6, 155.5, 235.2, 290.8, 348.9$; Sechs Bunttonwinkel der Elementarfarben $RYGBM$: $h_{ab,s} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

Dankowski et al. Gerontol Res 2022;67:101398										Dankowski et al. Gerontol Res 2022;67:101398										Dankowski et al. Gerontol Res 2022;67:101398												
hab,d	hab,s	hab	rgb* dd361Mi	LAB* dex361Mi (x=LabCh)	rgb* ds361Mi	LAB* dsx361Mi (x=LabCh)	rgb* dd361Mi	LAB* dex361Mi (x=LabCh)	rgb* ds361Mi	hab,d	hab,s	hab	rgb* dd361Mi	LAB* dex361Mi (x=LabCh)	rgb* ds361Mi	hab,d	hab,s	hab	rgb* dd361Mi	LAB* dex361Mi (x=LabCh)	rgb* ds361Mi	hab,d	hab,s	hab	rgb* dd361Mi	LAB* dex361Mi (x=LabCh)	rgb* ds361Mi					
324	300	300	0.5	0.0	1.0	37.2	43.1	-30.8	53.0	324	0.136	0.0	1.0	31.6	24.3	-41.9	48.5	300	0.5	0.0	1.0	0.139	0.0	1.0	31.5	24.4	-41.9	48.6	300	0.5	0.0	1.0
325	301	301	0.516	0.0	1.0	37.4	43.8	-30.4	53.4	325	0.151	0.0	1.0	31.5	25.1	-41.6	48.7	301	0.517	0.0	1.0	0.153	0.0	1.0	31.5	25.2	-41.6	48.7	301	0.517	0.0	1.0
326	302	302	0.533	0.0	1.0	37.7	44.5	-29.9	53.7	326	0.165	0.0	1.0	31.4	25.9	-41.3	48.9	302	0.533	0.0	1.0	0.166	0.0	1.0	31.4	26.0	-41.3	48.9	302	0.533	0.0	1.0
326	303	303	0.55	0.0	1.0	37.9	45.3	-29.5	54.0	326	0.18	0.0	1.0	31.4	26.7	-41.0	49.0	303	0.55	0.0	1.0	0.18	0.0	1.0	31.4	26.7	-41.0	49.0	303	0.55	0.0	1.0
327	304	303	0.566	0.0	1.0	38.2	46.0	-29.0	54.4	327	0.194	0.0	1.0	31.3	27.5	-40.7	49.2	304	0.567	0.0	1.0	0.194	0.0	1.0	31.3	27.5	-40.7	49.2	303	0.567	0.0	1.0
328	305	304	0.583	0.0	1.0	38.4	46.7	-28.5	54.7	328	0.209	0.0	1.0	31.2	28.3	-40.3	49.4	305	0.583	0.0	1.0	0.208	0.0	1.0	31.2	28.3	-40.4	49.4	304	0.583	0.0	1.0
329	306	305	0.6	0.0	1.0	38.7	47.4	-28.0	55.1	329	0.224	0.0	1.0	31.1	29.1	-40.0	49.5	306	0.6	0.0	1.0	0.222	0.0	1.0	31.2	29.0	-40.0	49.5	305	0.6	0.0	1.0
330	307	306	0.616	0.0	1.0	38.9	48.1	-27.5	55.4	330	0.238	0.0	1.0	31.1	29.9	-39.6	49.7	307	0.617	0.0	1.0	0.235	0.0	1.0	31.1	29.8	-39.7	49.7	306	0.617	0.0	1.0
331	308	307	0.633	0.0	1.0	39.2	48.9	-26.9	55.8	331	0.252	0.0	1.0	31.1	30.7	-39.2	49.9	308	0.633	0.0	1.0	0.249	0.0	1.0	31.0	30.5	-39.3	49.8	307	0.633	0.0	1.0
332	309	308	0.65	0.0	1.0	39.6	49.8	-26.2	56.3	332	0.265	0.0	1.0	31.4	31.5	-38.8	50.1	309	0.65	0.0	1.0	0.261	0.0	1.0	31.3	31.3	-39.0	50.0	308	0.65	0.0	1.0
333	310	309	0.666	0.0	1.0	40.0	50.7	-25.4	56.8	333	0.278	0.0	1.0	31.8	32.3	-38.4	50.3	310	0.667	0.0	1.0	0.274	0.0	1.0	31.6	32.1	-38.6	50.2	309	0.667	0.0	1.0
334	311	310	0.683	0.0	1.0	40.4	51.6	-24.7	57.2	334	0.291	0.0	1.0	32.1	33.1	-38.0	50.5	311	0.683	0.0	1.0	0.286	0.0	1.0	32.0	32.8	-38.2	50.4	310	0.683	0.0	1.0
335	312	311	0.7	0.0	1.0	40.7	52.5	-23.9	57.7	335	0.304	0.0	1.0	32.4	33.9	-37.6	50.7	312	0.7													

Daten der Maximalfarbe M im Farbmimetrik-System Laserdrucker-Ausgabe; Separation cmyn6*, D65 für Ein- oder Ausgabe; Sechsbunttonwinkel der 60-Grad Standardfarben *RYGCBM*; $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;

Sechs Bunttonwinkel der Gerätefarben RYGBCM_{CE}: $h_{ab,D} = 33.5, 100.6, 155.5, 235.2, 290.8, 348.9$; Sechs Bunttonwinkel der Elementarfarben RYGBCM_{CE}: $h_{ab,E} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

354 345 342				1.0 0.0 0.75 49.3 64.5 -6.5 64.8 354				0.902 0.0 1.0 46.2 61.3 -16.3 63.5 345				1.0 0.0 0.75 0.848 0.0 1.0 44.9 59.1 -18.2 61.9 342				1.0 0.0 0.75																
355	346	343	1.0	0.0	0.733	49.1	64.2	-5.3	64.4	355	0.926	0.0	1.0	46.7	62.4	-15.5	64.3	346	1.0	0.0	0.733	0.871	0.0	1.0	45.6	60.0	-17.4	62.5	343	1.0	0.0	0.733
356	347	344	1.0	0.0	0.716	48.9	63.9	-4.1	64.0	356	0.951	0.0	1.0	47.2	63.4	-14.5	65.1	347	1.0	0.0	0.717	0.895	0.0	1.0	46.1	61.0	-16.6	63.2	344	1.0	0.0	0.717
357	348	345	1.0	0.0	0.7	48.7	63.5	-2.9	63.6	357	0.976	0.0	1.0	47.7	64.5	-13.6	65.9	348	1.0	0.0	0.7	0.918	0.0	1.0	46.5	62.0	-15.7	64.0	345	1.0	0.0	0.7
358	349	346	1.0	0.0	0.683	48.6	63.2	-1.8	63.2	358	1.0	0.0	0.996	48.2	65.4	-12.6	66.7	349	1.0	0.0	0.683	0.942	0.0	1.0	47.0	63.0	-14.9	64.8	346	1.0	0.0	0.683
359	350	347	1.0	0.0	0.666	48.4	62.8	-0.6	62.8	359	1.0	0.0	0.927	49.0	65.9	-11.5	66.9	350	1.0	0.0	0.667	0.966	0.0	1.0	47.5	64.0	-14.0	65.5	347	1.0	0.0	0.667
360	351	348	1.0	0.0	0.65	48.2	62.4	0.4	62.4	360	1.0	0.0	0.866	49.5	66.1	-10.4	66.9	351	1.0	0.0	0.65	0.989	0.0	1.0	48.0	65.0	-13.1	66.3	348	1.0	0.0	0.65
361	352	349	1.0	0.0	0.633	48.0	62.0	1.5	62.0	361	1.0	0.0	0.83	49.5	65.6	-9.1	66.3	352	1.0	0.0	0.633	1.0	0.0	0.964	48.6	65.6	-12.1	66.8	349	1.0	0.0	0.633
362	353	350	1.0	0.0	0.616	47.9	61.6	2.7	61.7	362	1.0	0.0	0.794	49.4	65.2	-7.9	65.6	353	1.0	0.0	0.617	1.0	0.0	0.899	49.3	66.0	-11.1	67.0	350	1.0	0.0	0.617
363	354	351	1.0	0.0	0.6	47.9	61.3	3.8	61.4	363	1.0	0.0	0.757	49.3	64.7	-6.7	65.0	354	1.0	0.0	0.6	1.0	0.0	0.853	49.5	65.9	-9.9	66.7	351	1.0	0.0	0.6
364	355	352	1.0	0.0	0.583	47.9	60.9	4.9	61.1	364	1.0	0.0	0.737	49.2	64.3	-5.5	64.6	355	1.0	0.0	0.583	1.0	0.0	0.819	49.4	65.5	-8.7	66.1	352	1.0	0.0	0.583
365	356	353	1.0	0.0	0.566	47.9	60.6	6.0	60.9	365	1.0	0.0	0.721	49.0	64.0	-4.4	64.2	356	1.0	0.0	0.567	1.0	0.0	0.785	49.4	65.0	-7.6	65.5	353	1.0	0.0	0.567
366	357	354	1.0	0.0	0.55	47.8	60.2	7.1	60.6	366	1.0	0.0	0.705	48.9	63.7	-3.2	63.8	357	1.0	0.0	0.55	1.0	0.0	0.75	49.3	64.6	-6.5	64.9	354	1.0	0.0	0.55
367	358	355	1.0	0.0	0.533	47.8	59.8	8.2	60.4	367	1.0	0.0	0.689	48.7	63.4	-2.1	63.4	358	1.0	0.0	0.533	1.0	0.0	0.735	49.2	64.3	-5.4	64.5	355	1.0	0.0	0.533
368	359	356	1.0	0.0	0.516	47.8	59.4	9.3	60.1	368	1.0	0.0	0.673	48.5	63.0	-1.0	63.0	359	1.0	0.0												

0-0031630-L0	QG090-70	LAB*la0, YN=0%, XYZnw=3.9, 4.1, 4.1, 84.7, 89.6, 93.9, LAB*nw=23.9, 0.0, 0.0, 95.8, 0.0, 0.0
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Ausgabe: Laserdrucker-Ausgabe; Separation cmyn6*, D65, Seite 17/38

TUB-Prüfvorlage QG09; Bunttoncode: H*d=R25Yd
48-stufige Farbkreise; *rgb-LabCh**-Tabellen

Eingabe: $rgb/cmyk \rightarrow rgb_d$
Ausgabe: Transfer nach $cmyk_d$

TUB-Registrierung: 20130201-QG09/QG09L0NP.PDF / .PS TUB-Material: Code=rha4ta
Anwendung für Messung von Laserdrucker-Ausgabe, Separation cmyk6 (CMYK)

Technische Information: <http://www.ps.bam.de> oder <http://130.149.60.45/~farbmetrik>

TUB-Material: Code=rha4ta

[illegible]

M farbmetriki

[illegible]

<http://130.149.60.45/~farbmatrik/QG09/QG09L0NP.PDF> / PS; Transfer Ausgabe N: Keine 3D-Linearisierung (OL) in Datei (F) oder PS-Startup (S) Seite 25/33

Eingabe: *rgb/cmyk* $\rightarrow$ *rgbd*
Ausgabe: Transfer nach *cmykd*

TUB-Prüfvorlage QG09; Bunttoncode: H_d^{*}=R25Y_c
Farben und Farbabstände ΔE^{*},



Siehe ähnliche Dateien: <http://130.149.60.45/~farbmetrik/QG09/QG09.HTM>

Technische Information: <http://www.ps.bam.de> oder <http://130.149.60.45/~farbmetrik>

n	HIC* _{rd}	rgb*_rd	lcr*_rd	h ₂ _rd	rgb*_rd	LakCh*_rd	LakCh*_rd	rgb*_rd	DE* _{rd}	h ₂ sd	rgb*_rd	LakCh*_rd																			
405	R00Y_062_062d4	0.625	0.0	0.625	0.0	0.0	38.6	23.6	35.7	42.8	33.4	0.625	0.0	0.0	36.3	40.2	26.2	48.0	33.1	5.6	389	1.0	0.0	0.0	0.183	47.5	57.2	37.8	68.6	33.4	
406	R31Y_062_062d4	0.625	0.0	0.625	0.0	0.114	38.7	35.1	19.4	40.1	28.9	0.625	0.0	0.125	37.1	40.1	26.2	48.0	33.1	5.6	380	1.0	0.0	0.0	0.183	47.5	56.2	31.1	64.2	28.9	
407	R11Y_062_062d4	0.625	0.0	0.625	0.0	0.385	38.9	35.6	11.8	37.5	18.3	0.625	0.0	0.375	36.9	45.2	0.0	0.0	0.0	0.0	367	1.0	0.0	0.0	0.383	47.4	57.0	18.9	60.0	18.3	
408	B69R_062_062d4	0.625	0.0	0.625	0.0	0.385	38.5	38.5	1.6	38.5	2.5	0.625	0.0	0.375	36.9	45.2	0.0	0.0	0.0	0.0	352	1.0	0.0	0.0	0.0616	47.9	61.6	2.7	61.7	2.5	
409	B59R_062_062d4	0.625	0.0	0.625	0.0	0.51	39.8	40.9	-5.4	41.2	352.3	0.625	0.0	0.625	0.0	37.2	49.9	-7.9	49.6	350.7	8.8	339	1.0	0.0	0.0	0.0816	49.4	65.4	-12.7	66.6	348.9
410	B50R_062_062d4	0.625	0.0	0.625	0.0	0.625	0.0	0.625	0.0	41.6	348.9	0.625	0.0	0.625	0.0	37.9	49.8	-14.9	52.0	343.3	11.4	330	1.0	0.0	0.0	0.481	65.4	-12.7	66.6	348.9	4.8
411	B42R_075_075d4	0.625	0.0	0.775	0.0	0.775	39.6	44.3	-39.6	44.3	337.6	0.625	0.0	0.775	38.9	50.3	-20.0	54.1	338.3	8.7	322	0.85	0.0	0.0	0.449	59.1	-18.2	61.9	342.9	59.1	
412	B36R_087_087d4	0.625	0.0	0.875	0.0	0.875	39.3	47.5	-38.9	47.5	337.6	0.625	0.0	0.875	38.9	50.3	-20.0	54.1	338.3	8.7	322	0.85	0.0	0.0	0.449	59.1	-18.2	61.9	342.9	59.1	
413	B31R_100_100d4	0.625	0.0	1.0	0.0	1.0	39.2	48.9	-36.9	48.9	337.1	0.625	0.0	1.0	38.1	48.4	-27.2	55.6	330.6	0.6	308	0.633	0.0	0.0	0.733	61.9	-22.3	58.7	337.6	30.8	
414	R18Y_062_062d4	0.625	0.125	0.0	0.625	0.114	40.2	30.3	-32.9	44.6	47.1	0.625	0.125	0.0	40.3	31.8	34.0	46.6	46.8	3.5	39	1.0	0.183	0.0	0.549	46.5	-26.9	55.8	331.1	46.5	
415	R00Y_062_062d4	0.625	0.0	0.625	0.0	0.125	38.6	10.9	44.3	38.6	10.9	0.625	0.0	0.125	38.5	45.1	3.8	45.1	3.8	39	1.0	0.0	0.0	0.549	46.5	-26.9	55.8	331.1	46.5		
416	R00Y_062_062d4	0.625	0.0	0.625	0.0	0.125	38.6	10.9	44.3	38.6	10.9	0.625	0.0	0.125	38.5	45.1	3.8	45.1	3.8	39	1.0	0.0	0.0	0.549	46.5	-26.9	55.8	331.1	46.5		
417	R00Y_062_062d4	0.625	0.0	0.625	0.0	0.125	38.6	10.9	44.3	38.6	10.9	0.625	0.0	0.125	38.5	45.1	3.8	45.1	3.8	39	1.0	0.0	0.0	0.549	46.5	-26.9	55.8	331.1	46.5		
418	R00Y_062_062d4	0.625	0.0	0.625	0.0	0.125	38.6	10.9	44.3	38.6	10.9	0.625	0.0	0.125	38.5	45.1	3.8	45.1	3.8	39	1.0	0.0	0.0</								

http://130.149.60.45/~farbmatrik/QG09/QG09LONP.PDF /PS; Transfer Ausgabe N: Keine 3D-Linearisierung (OL) in Datei (F) oder PS-Startup (S), Seite 26/33

Eingabe: *rgb/cmyk* $\rightarrow$ *rgb*_d
Ausgabe: Transfer nach *cmyk*_d

TUB-Prüfvorlage QG09; Bunttoncode: H_d^{*}=R25Y_d

Siehe ähnliche Dateien: <http://130.149.60.45/~farbmatrik/QG09/QG09.HTM>
Technische Information: <http://www.ps.bam.de> oder <http://130.149.60.45/~farbmatrik>

http://130.149.60.45/~farbmatrik/QG09/QG09LONP.PDF /PS; Transfer Ausgabe N: Keine 3D-Linearisierung (OL) in Datei (F) oder PS-Startup (S), Seite 27/33

<i>n</i>	HIC-F _{rd}	<i>rgb</i> -F _{rd}	<i>lcr</i> -F _{rd}	<i>h_g</i> -F _{rd}	<i>rgb</i> -F _{rd}	<i>LabCh</i> -F _{rd}	<i>LabCh</i> -F _{rd}	<i>rgb</i> -F _{rd}	<i>LabCh</i> -F _{rd}	<i>DE</i> *-F _{rd}	<i>h_{ax}</i> -F _{rd}	<i>rgb</i> -F _{rd}	<i>LabCh</i> -F _{rd}	<i>rgb</i> -F _{rd}	<i>LabCh</i> -F _{rd}
567	R00Y.087.087 _{rd}	0.875	0.0	0.875	0.875	0.437	390	0.875	0.0	0.0	0.0	0.0	0.0	0.0	0.0
568	R36Y.087.087 _{rd}	0.875	0.0	0.875	0.875	0.437	382	0.875	0.0	0.0	0.0	0.0	0.0	0.0	0.0
569	R20Y.087.087 _{rd}	0.875	0.0	0.875	0.875	0.437	374	0.875	0.0	0.0	0.0	0.0	0.0	0.0	0.0
570	R03Y.087.087 _{rd}	0.875	0.0	0.875	0.875	0.437	365	0.875	0.0	0.0	0.0	0.0	0.0	0.0	0.0
571	B70R.087.087 _{rd}	0.875	0.0	0.875	0.875	0.437	355	0.875	0.0	0.0	0.0	0.0	0.0	0.0	0.0
572	B63R.087.087 _{rd}	0.875	0.0	0.875	0.875	0.437	346	0.875	0.0	0.0	0.0	0.0	0.0	0.0	0.0
573	B56R.087.087 _{rd}	0.875	0.0	0.875	0.875	0.437	338	0.875	0.0	0.0	0.0	0.0	0.0	0.0	0.0
574	B50R.087.087 _{rd}	0.875	0.0	0.875	0.875	0.437	330	0.875	0.0	0.0	0.0	0.0	0.0	0.0	0.0
575	B44R.100.100 _{rd}	0.875	0.0	1.0	1.0	0.5	323	0.883	0.0	1.0	0.0	0.0	0.0	0.0	0.0
576	R13Y.087.087 _{rd}	0.875	0.0	0.875	0.875	0.437	318	0.875	0.0	0.0	0.0	0.0	0.0	0.0	0.0
577	R00Y.087.075 _{rd}	0.875	0.0	0.875	0.875	0.0	310	0.875	0.0	0.0	0.0	0.0	0.0	0.0	0.0
578	R35Y.087.075 _{rd}	0.875	0.0	0.875	0.875	0.0	301	0.875	0.0	0.0	0.0	0.0	0.0	0.0	0.0
579	R18Y.087.075 _{rd}	0.875	0.0	0.875	0.875	0.0	293	0.875	0.0	0.0	0.0	0.0	0.0	0.0	0.0
580	R00Y.087.075 _{rd}	0.875	0.0	0.875	0.875	0.0	285	0.875	0.0	0.0	0.0	0.0	0.0	0.0	0.0
581	B57R.087.075 _{rd}	0.875	0.0	0.875	0.875	0.0	277	0.875	0.0	0.0	0.0	0.0	0.0	0.0	0.0
582	B50R.087.075 _{rd}	0.875	0.0	0.875	0.875	0.0	269	0.875	0.0	0.0	0.0	0.0	0.0	0.0	0.0
583	B43R.100.087 _{rd}	0.875	0.0	1.0	1.0	0.875	262	0.883	0.0	1.0	0.0	0.0	0.0	0.0	0.0
584	B43R.100.087 _{rd}	0.875	0.0	1.0	1.0	0.875	254	0.883	0.0	1.0	0.0	0.0	0.0	0.0	0.0
585	R15Y.087.075 _{rd}	0.875	0.0	0.875	0.875	0.0	246	0.875	0.0	0.0	0.0	0.0	0.0	0.0	0.0
586	R15Y.087.075 _{rd}	0.875	0.0	0.875	0.875	0.0	238	0.875	0.0	0.0	0.0	0.0	0.0	0.0	0.0
587	R31Y.087.062 _{rd}	0.875	0.0	0.875	0.875	0.562	230	0.875	0.0	0.0	0.0	0.0	0.0	0.0	0.0
588	R31Y.087.062 _{rd}	0.875	0.0	0.875	0.875	0.562	222	0.875	0.0	0.0	0.0	0.0	0.0	0.0	0.0
589	R11Y.087.062 _{rd}	0.875	0.0	0.875	0.875	0.562	214	0.875	0.0	0.0	0.0	0.0	0.0	0.0	0.0
590	B69R.087.062 _{rd}	0.875	0.0	0.875	0.875	0.562	206	0.875	0.0	0.0	0.0	0.0	0.0	0.0	0.0
591	B59R.087.062 _{rd}	0.875	0.0	0.875	0.875	0.562	1								

Eingabe: *rgb/cmyk* $\rightarrow$ *rgb*_d
Ausgabe: Transfer nach *cmyk*_d

TÜB-Prüfvorlage QG09; Bunttoncode: H^{*}_d=R25Y_d
Farben und Farbabstände ΔE^{*}₁

1

Siehe ähnliche Dateien: <http://130.149.60.45/~farbmatrik/QG09/QG09.HTM>
Technische Information: <http://www.ps.bam.de> oder <http://130.149.60.45/~farbmatrik>

http://130.149.60.45/~farbmatrik/QG09/QG09L0NP.PDF /PS; Transfer Ausgabe N: Keine 3D-Linearisierung (OL) in Datei (F) oder PS-Startup (S); Seite 28/33

TUB-Prüfvorlage QG09; Bunttoncode: H*d=R25Yd

Eingabe: `rgb/cmyk` $\rightarrow$ `rgb_d`
Ausgabe: Transfer nach `cmyk_d`

<i>n</i>	HIC _{Fd}	<i>rgb_{Fd}</i>	<i>lcr_{Fd}</i>	<i>h_{g,Fd}</i>	<i>rgb_{Fd}</i>	<i>LabCh_{Fd}</i>	<i>LabCh_{Fd}</i>	<i>rgb_{Fd}</i>	<i>LabCh_{Fd}</i>	<i>DB_{Fd}</i>	<i>h_{ax,hd}</i>	<i>rgb_{hd}</i>	<i>LabCh_{hd}</i>										
648	R38Y_100_100d	1.0	0.0	0.5	390	33.4	57.2	1.0	0.0	47.5	37.2	68.6	33.4	0.2	383	1.0	0.0	0.116	47.5	57.2	68.6	33.4	
649	R38Y_100_100d	1.0	0.0	0.5	383	66.1	57.2	1.0	0.0	0.125	34.8	65.9	34.8	0.2	383	1.0	0.0	0.116	47.5	57.2	68.6	33.4	
650	R26Y_100_100d	1.0	0.0	0.5	368	60.2	56.8	1.0	0.0	0.235	26.2	62.3	55.9	27.5	62.3	1.0	0.0	0.235	47.5	56.8	62.3	26.2	
651	R13Y_100_100d	1.0	0.0	0.5	376	62.8	56.8	1.0	0.0	0.366	18.9	0.0	0.0	0.366	18.9	1.0	0.0	0.366	47.5	56.8	62.8	18.9	
652	R68Y_100_100d	1.0	0.0	0.5	360	59.9	56.8	1.0	0.0	0.0	59.9	10.0	0.0	0.0	59.9	1.0	0.0	0.0	47.8	58.9	10.4	59.9	
653	R68Y_100_100d	1.0	0.0	0.5	352	1.5	62.0	1.0	0.0	0.0625	48.0	61.8	2.1	61.8	1.9	0.6	351	1.0	0.0	0.633	48.0	62.0	1.4
654	B61Y_100_100d	1.0	0.0	0.5	344	65.1	67.0	1.0	0.0	0.766	49.3	64.7	-10.7	67.0	35.0	0.1	336	1.0	0.0	0.766	49.3	64.7	-7.1
655	B55Y_100_100d	1.0	0.0	0.5	337	66.6	66.6	1.0	0.0	0.0	336	1.0	0.0	0.0	336	1.0	0.0	0.0	0.883	49.4	66.1	-10.9	
656	B55Y_100_100d	1.0	0.0	0.5	330	41.6	65.4	1.0	0.0	0.883	49.4	66.1	-12.7	66.6	34.8	0.0	330	1.0	0.0	0.883	49.4	66.1	-12.7
657	R11Y_100_100d	1.0	0.0	0.5	370	72.9	54.8	1.0	0.0	0.116	0.0	51.6	48.1	0.0	48.1	0.0	330	1.0	0.0	0.116	0.0	51.6	48.1
658	R00Y_100_100d	1.0	0.0	0.5	390	60.0	53.6	1.0	0.0	0.125	0.0	51.6	48.1	0.0	48.1	0.0	330	1.0	0.0	0.125	0.0	51.6	48.1
659	R36Y_100_100d	1.0	0.0	0.5	382	57.5	49.3	1.0	0.0	0.125	0.0	51.6	48.1	0.0	48.1	0.0	330	1.0	0.0	0.125	0.0	51.6	48.1
660	R23Y_100_100d	1.0	0.0	0.5	374	54.3	53.6	1.0	0.0	0.125	0.0	51.6	48.1	0.0	48.1	0.0	330	1.0	0.0	0.125	0.0	51.6	48.1
661	R03Y_100_100d	1.0	0.0	0.5	365	52.5	53.6	1.0	0.0	0.125	0.0	51.6	48.1	0.0	48.1	0.0	330	1.0	0.0	0.125	0.0	51.6	48.1
662	B70R_100_100d	1.0	0.0	0.5	355	53.3	53.3	1.0	0.0	0.125	0.0	51.6	48.1	0.0	48.1	0.0	330	1.0	0.0	0.125	0.0	51.6	48.1
663	B70R_100_100d	1.0	0.0	0.5	346	56.2	54.9	1.0	0.0	0.125	0.0	51.6	48.1	0.0	48.1	0.0	330	1.0	0.0	0.125	0.0	51.6	48.1
664	B56R_100_100d	1.0	0.0	0.5	338	58.3	57.8	1.0	0.0	0.125	0.0	51.6	48.1	0.0	48.1	0.0	330	1.0	0.0	0.125	0.0	51.6	48.1
665	B50R_100_100d	1.0	0.0	0.5	330	54.1	57.2	1.0	0.0	0.125	0.0	51.6	48.1	0.0	48.1	0.0	330	1.0	0.0	0.125	0.0	51.6	48.1
666	R23Y_100																						

0-0032730-F0

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TUB
Farben
C

TUB-Prüfvorlage QG09; Bunttoncode: H*d=R25Yd

Eingabe: `rgb/cmyk` $\rightarrow$ `rgb_d`
Ausgabe: Transfer nach `cmyk_d`

n	H* ₀₀ *F ₀₀	rgb_F ₀₀	Lab* ₀₀ *F ₀₀	h _{ab} _F ₀₀	rgb**F ₀₀	LabCh* ₀₀ *F ₀₀	h _{ab} _F ₀₀	rgb**F ₀₀	LabCh* ₀₀ *F ₀₀	DF**F ₀₀	h _{ab} _d	rgb**M _d	LabCh**M _d	95.8	0.0
1053	NW_086q	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.0	0.0	0.0	0.0	0.0	0.0
1054	NW_093q	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.0	0.0	0.0	0.0	0.0	0.0
1055	NW_100q	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
1056	NW_000q	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1057	NW_006q	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.0	0.0	0.0	0.0	0.0	0.0
1058	NW_013q	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.0	0.0	0.0	0.0	0.0	0.0
1059	NW_020q	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
1060	NW_026q	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.0	0.0	0.0	0.0	0.0	0.0
1061	NW_033q	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.0	0.0	0.0	0.0	0.0	0.0
1062	NW_040q	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
1063	NW_046q	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.0	0.0	0.0	0.0	0.0	0.0
1064	NW_053q	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.0	0.0	0.0	0.0	0.0	0.0
1065	NW_060q	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0
1066	NW_066q	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.0	0.0	0.0	0.0	0.0	0.0
1067	NW_073q	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.0	0.0	0.0	0.0	0.0	0.0
1068	NW_080q	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
1069	NW_086q	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.0	0.0	0.0	0.0	0.0	0.0
1070	NW_093q	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.0	0.0	0.0	0.0	0.0	0.0
1071	NW_100q	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
1072	NW_000q	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1073	RO07_100_100q	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
1074	G50B_100_100q	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1075	Y06C_100_100q	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
1076	Y06C_100_100q	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
1077	B00R_100_100q	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
1078	B00R_100_100q	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
1079	B50R_100_100q	1.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0

delta E* = 3.0

Ein- und Ausgabe: Drucker-Reflektiv-System FRS06a für relativen CIELAB-Buntton $h_{ab,a,rel} = h_{ab}/360 = 46/360 = 0.12$

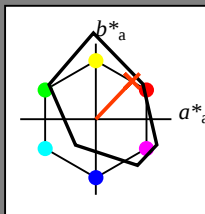
Daten für jede Geräte- (d) oder
Elementarfarbe (e):

HIC^*

Bunttontext für die Farben
dieser Seite:

$H^*_m = R25Y_-$

Dreiecks-Helligkeit T^*



FRS06a; adaptierte CIELAB-Daten

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R ₋ ,Ma	32.5	62.3	46.4	77.7	36
Y ₋ ,Ma	82.7	-3.1	113.9	114.0	91
G ₋ ,Ma	39.4	-61.8	45.8	76.9	143
C ₋ ,Ma	47.8	-26.8	-34.2	43.4	231
B ₋ ,Ma	10.1	55.1	-61.0	82.2	312
M ₋ ,Ma	34.5	80.6	-33.9	87.5	337
N ₋ ,Ma	6.2	0.0	0.0	0.0	0
W ₋ ,Ma	91.9	0.0	0.0	0.0	0
R ₋ ,CIE	39.9	58.7	27.9	65.0	25
Y ₋ ,CIE	81.2	-2.8	71.5	71.6	92
G ₋ ,CIE	52.2	-42.4	13.6	44.5	162
B ₋ ,CIE	30.5	1.4	-46.4	46.4	271

Daten für Maximalfarbe (Ma):

$LabCh^*_{-,Ma}$: 56 48 50 69 46

$HIC^*_{-,Ma}$: R25Y_100_100_

$rgbic^*_{-,Ma}$:

1.0 0.23 0.0 1.0 1.0

Dreiecks-Helligkeit T^*

%Umfang

$u^*_{rel} = 114$

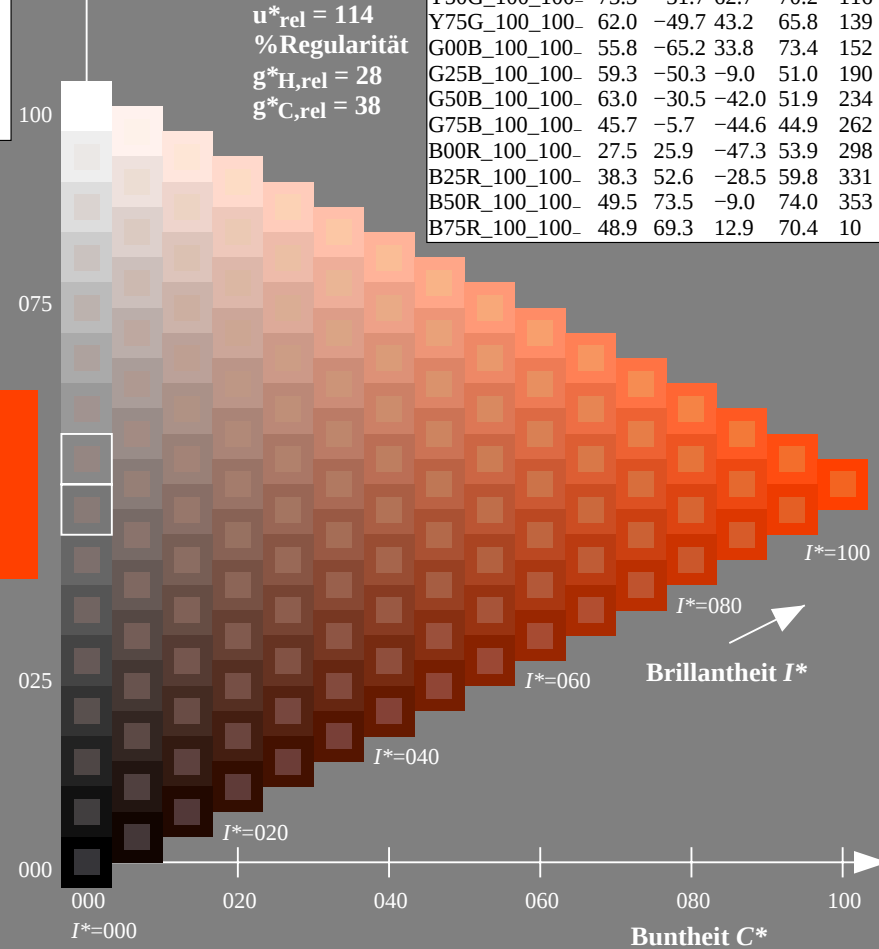
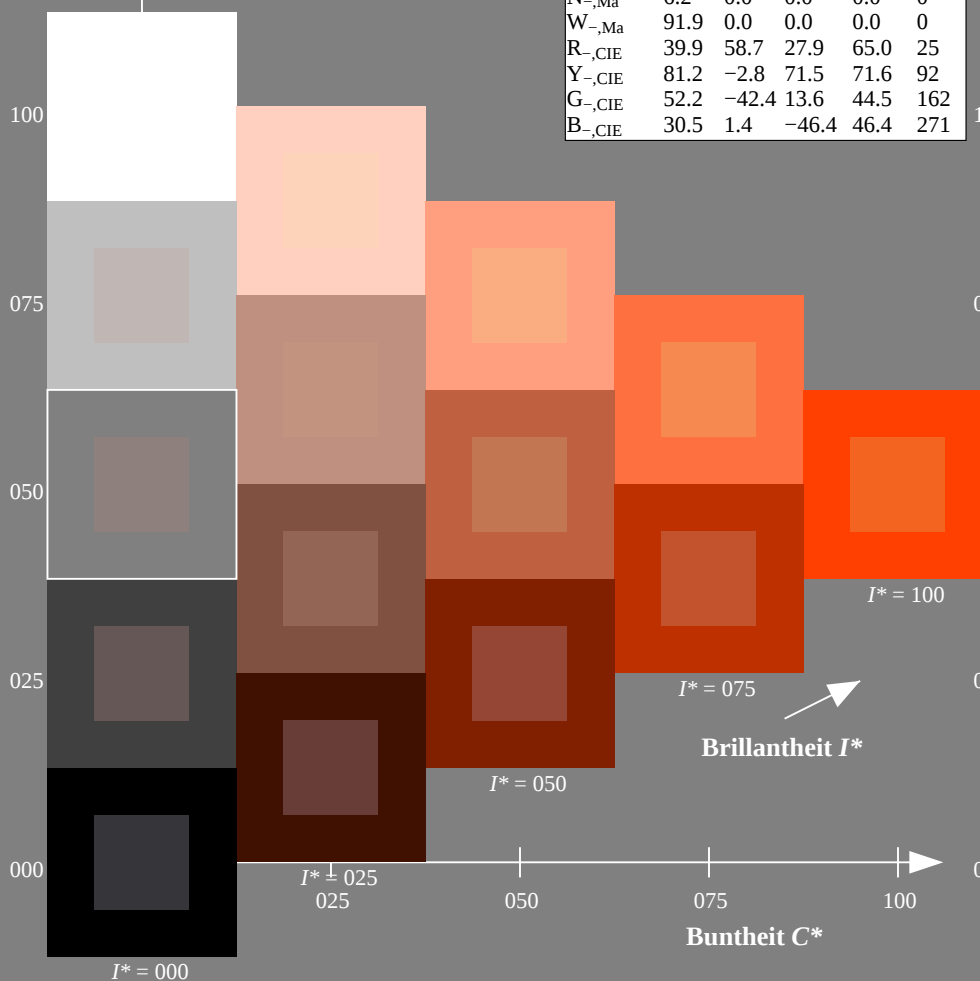
%Regularität

$g^*_{H,rel} = 28$

$g^*_{C,rel} = 38$

ORS20a; adaptierte CIELAB-Daten

H^*_m	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100_	48.4	66.1	40.2	77.3	31
R25Y_100_100_	56.8	48.0	50.5	69.6	46
R50Y_100_100_	68.6	25.0	63.9	68.6	68
R75Y_100_100_	80.6	4.8	77.2	77.3	86
Y00G_100_100_	90.2	-9.6	88.2	88.7	96
Y25G_100_100_	83.2	-18.4	79.9	81.9	102
Y50G_100_100_	73.3	-31.7	62.7	70.2	116
Y75G_100_100_	62.0	-49.7	43.2	65.8	139
G00B_100_100_	55.8	-65.2	33.8	73.4	152
G25B_100_100_	59.3	-50.3	-9.0	51.0	190
G50B_100_100_	63.0	-30.5	-42.0	51.9	234
G75B_100_100_	45.7	-5.7	-44.6	44.9	262
B00R_100_100_	27.5	25.9	-47.3	53.9	298
B25R_100_100_	38.3	52.6	-28.5	59.8	331
B50R_100_100_	49.5	73.5	-9.0	74.0	353
B75R_100_100_	48.9	69.3	12.9	70.4	10



Ein- und Ausgabe: Drucker-Reflektiv-System FRS06a für relativen CIELAB-Buntton $h_{ab,a,rel} = h_{ab}/360 = 41/360 = 0.11$

$H^*_e = R25Y_e$

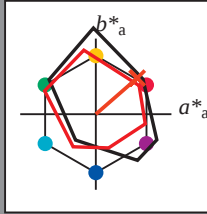
Daten für jede Geräte- (d) oder
Elementarfarbe (e):

HIC^*_e

Bunttontext für die Farben
dieser Seite:

$H^*_e = R25Y_e$

Dreiecks-Helligkeit T^*



LRS18a; adaptierte CIELAB-Daten

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R_{e,Ma}$	47.5	56.0	26.7	62.1	25
$Y_{e,Ma}$	83.6	-3.1	76.8	76.9	92
$G_{e,Ma}$	53.8	-65.9	21.1	69.2	162
$C_{e,Ma}$	54.9	-38.7	-29.1	48.4	216
$B_{e,Ma}$	37.3	1.4	-48.6	48.7	271
$M_{e,Ma}$	38.5	46.7	-28.5	54.7	328
$N_{e,Ma}$	23.8	0.0	0.0	0.0	0
$W_{e,Ma}$	95.8	0.0	0.0	0.0	0
$R_{e,CIE}$	39.9	58.7	27.9	65.0	25
$Y_{e,CIE}$	81.2	-2.8	71.5	71.6	92
$G_{e,CIE}$	52.2	-42.4	13.6	44.5	162
$B_{e,CIE}$	30.5	1.4	-46.4	46.4	271

Daten für Maximalfarbe (Ma):

$LabCh^*_{e,Ma}$: 51 54 47 72 41

$HIC^*_{e,Ma}$: R25Y_100_100_e

$rgbic^*_{e,Ma}$:

1.0 0.1 0.0 1.0 1.0

Dreiecks-Helligkeit T^*

%Umfang

$u^*_{rel} = 114$

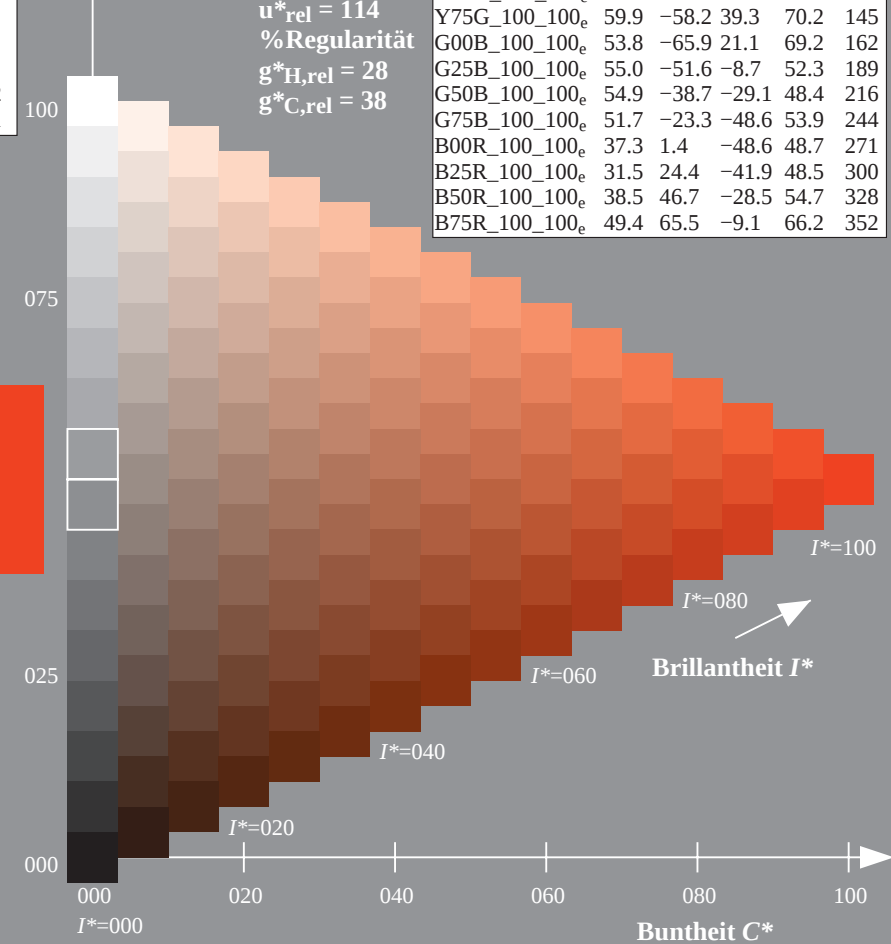
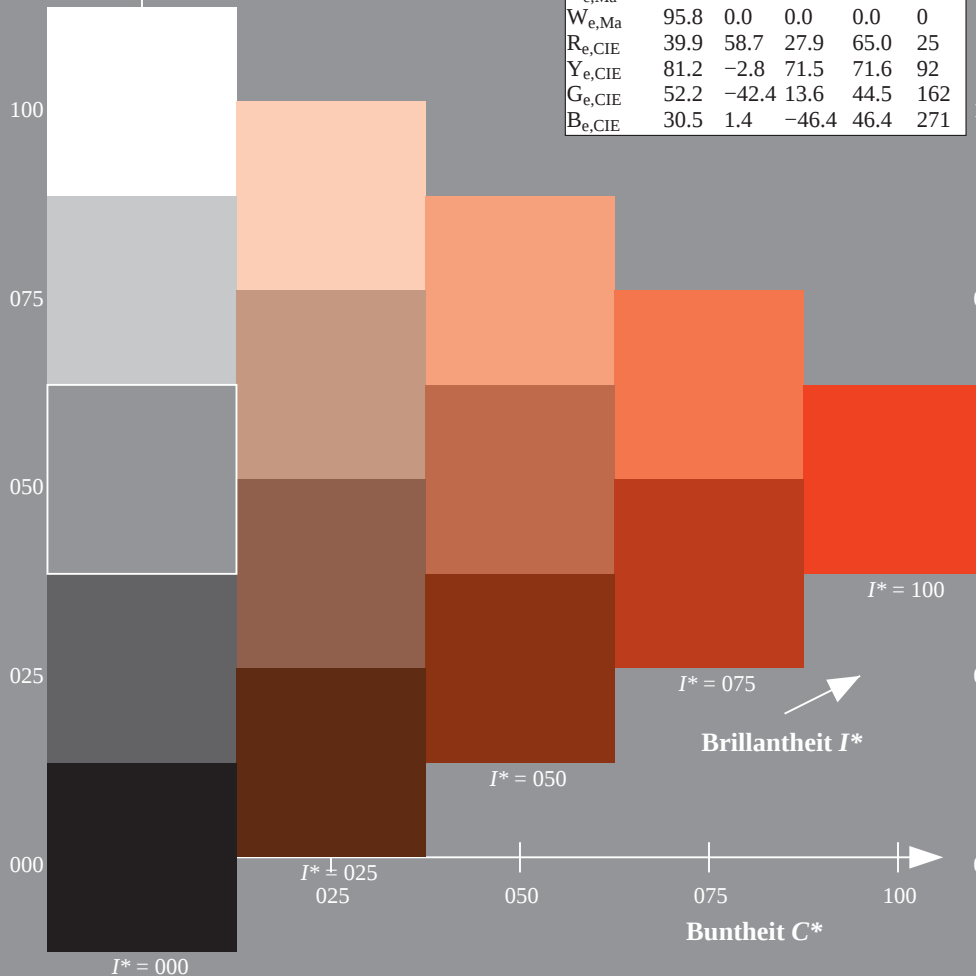
%Regularität

$g^*_{H,rel} = 28$

$g^*_{C,rel} = 38$

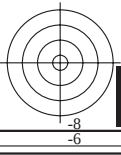
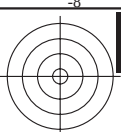
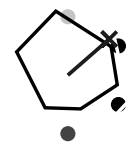
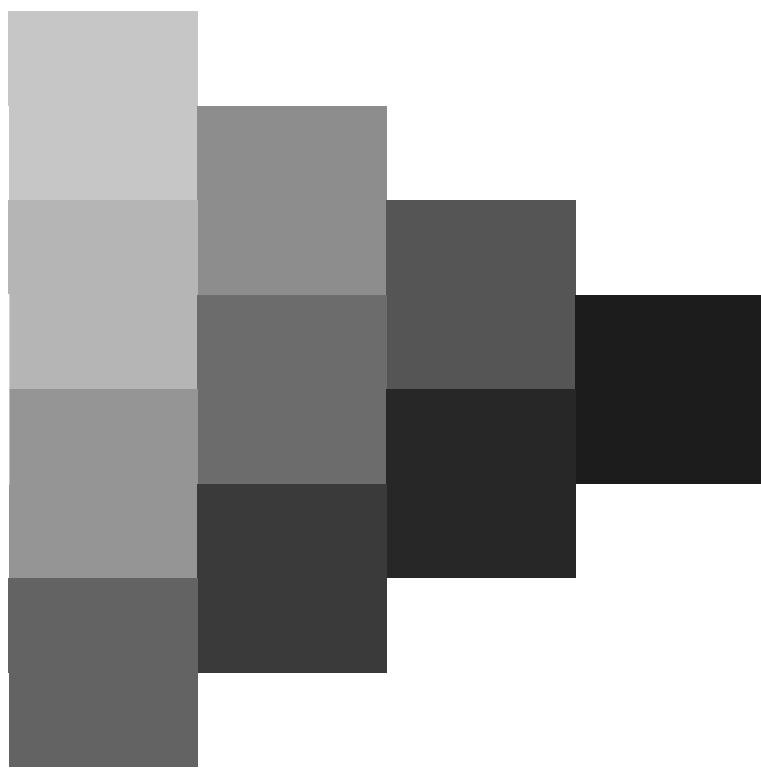
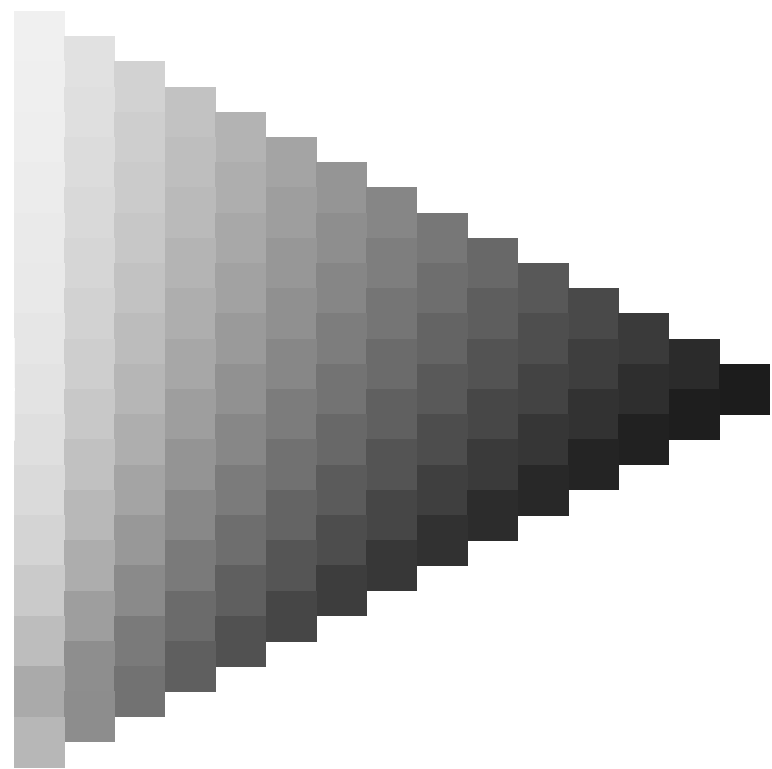
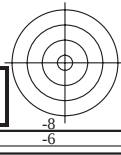
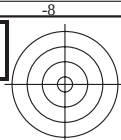
LRS18a; adaptierte CIELAB-Daten

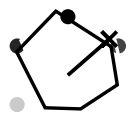
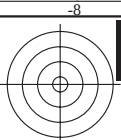
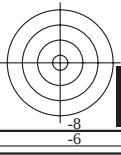
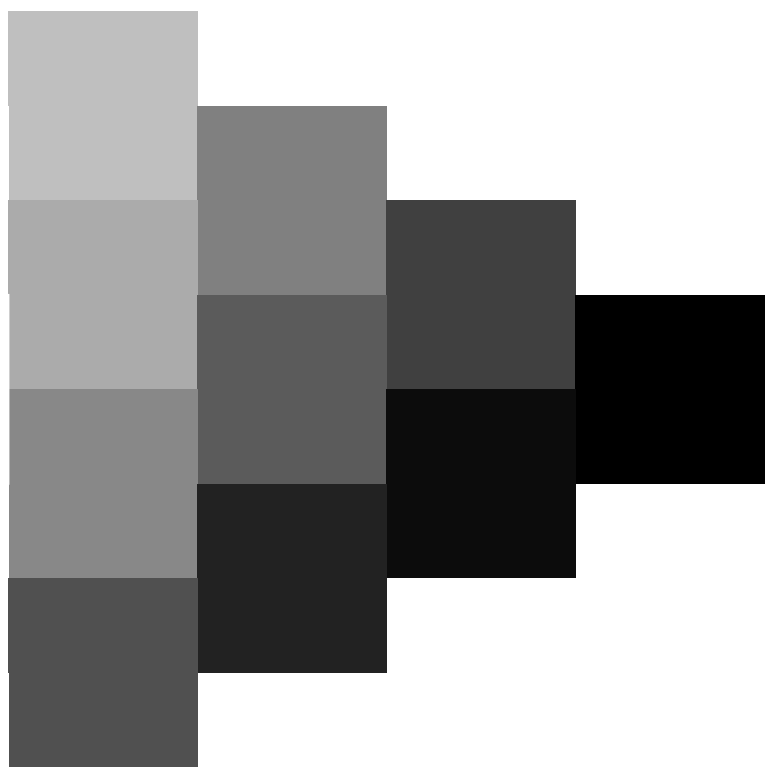
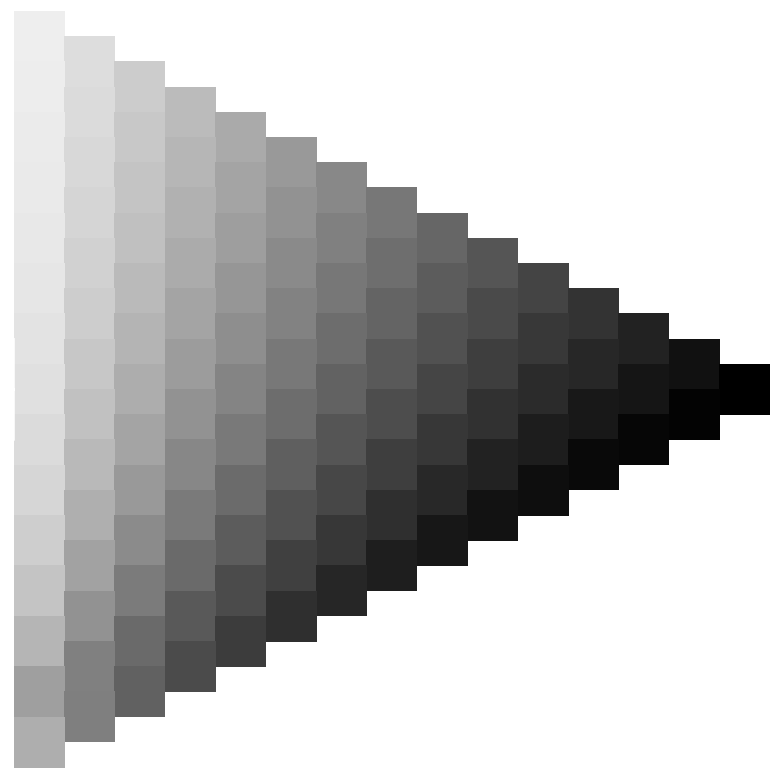
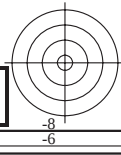
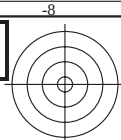
H^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R00Y_100_100_e$	47.5	56.0	26.7	62.1	25
$R25Y_100_100_e$	51.4	54.8	47.7	72.6	41
$R50Y_100_100_e$	61.8	35.2	58.4	68.2	58
$R75Y_100_100_e$	72.3	16.1	68.2	70.1	76
$Y00G_100_100_e$	83.6	-3.1	76.8	76.9	92
$Y25G_100_100_e$	85.8	-26.4	78.5	82.9	108
$Y50G_100_100_e$	71.0	-41.7	54.8	68.9	127
$Y75G_100_100_e$	59.9	-58.2	39.3	70.2	145
$G00B_100_100_e$	53.8	-65.9	21.1	69.2	162
$G25B_100_100_e$	55.0	-51.6	-8.7	52.3	189
$G50B_100_100_e$	54.9	-38.7	-29.1	48.4	216
$G75B_100_100_e$	51.7	-23.3	-48.6	53.9	244
$B00R_100_100_e$	37.3	1.4	-48.6	48.7	271
$B25R_100_100_e$	31.5	24.4	-41.9	48.5	300
$B50R_100_100_e$	38.5	46.7	-28.5	54.7	328
$B75R_100_100_e$	49.4	65.5	-9.1	66.2	352



TUB-Prüfvorlage QG09; Bunttoncode: $H^*_e=R25Y_e$
Prüfvorlage nach DIN 33872, 3D=0, de=1, cmyk

Eingabe: $rgb/cmyk \rightarrow rgb_e$
Ausgabe: Transfer nach $cmyk_e$





Ein- und Ausgabe: Drucker-Reflektiv-System FRS06a für relativen CIELAB-Buntton $h_{ab,a,rel} = h_{ab}/360 = 41/360 = 0.11$

$H^*_e = R25Y_e$

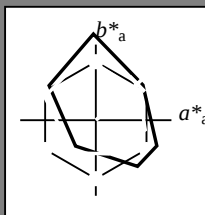
Daten für jede Geräte- (d) oder
Elementarfarbe (e):

HIC^*_e

Bunttontext für die Farben
dieser Seite:

$H^*_e = R25Y_e$

Dreiecks-Helligkeit T^*



LRS18a; adaptierte CIELAB-Daten					
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R_{e,Ma}$	47.5	56.0	26.7	62.1	25
$Y_{e,Ma}$	83.6	-3.1	76.8	76.9	92
$G_{e,Ma}$	53.8	-65.9	21.1	69.2	162
$C_{e,Ma}$	54.9	-38.7	-29.1	48.4	216
$B_{e,Ma}$	37.3	1.4	-48.6	48.7	271
$M_{e,Ma}$	38.5	46.7	-28.5	54.7	328
$N_{e,Ma}$	23.8	0.0	0.0	0.0	0
$W_{e,Ma}$	95.8	0.0	0.0	0.0	0
$R_{e,CIE}$	39.9	58.7	27.9	65.0	25
$Y_{e,CIE}$	81.2	-2.8	71.5	71.6	92
$G_{e,CIE}$	52.2	-42.4	13.6	44.5	162
$B_{e,CIE}$	30.5	1.4	-46.4	46.4	271

Daten für Maximalfarbe (Ma):

$LabCh^*_{e,Ma}$: 51 54 47 72 41

$HIC^*_{e,Ma}$: R25Y_100_100_e

$rgbic^*_{e,Ma}$:

1.0 0.1 0.0 1.0 1.0

Dreiecks-Helligkeit T^*

%Umfang

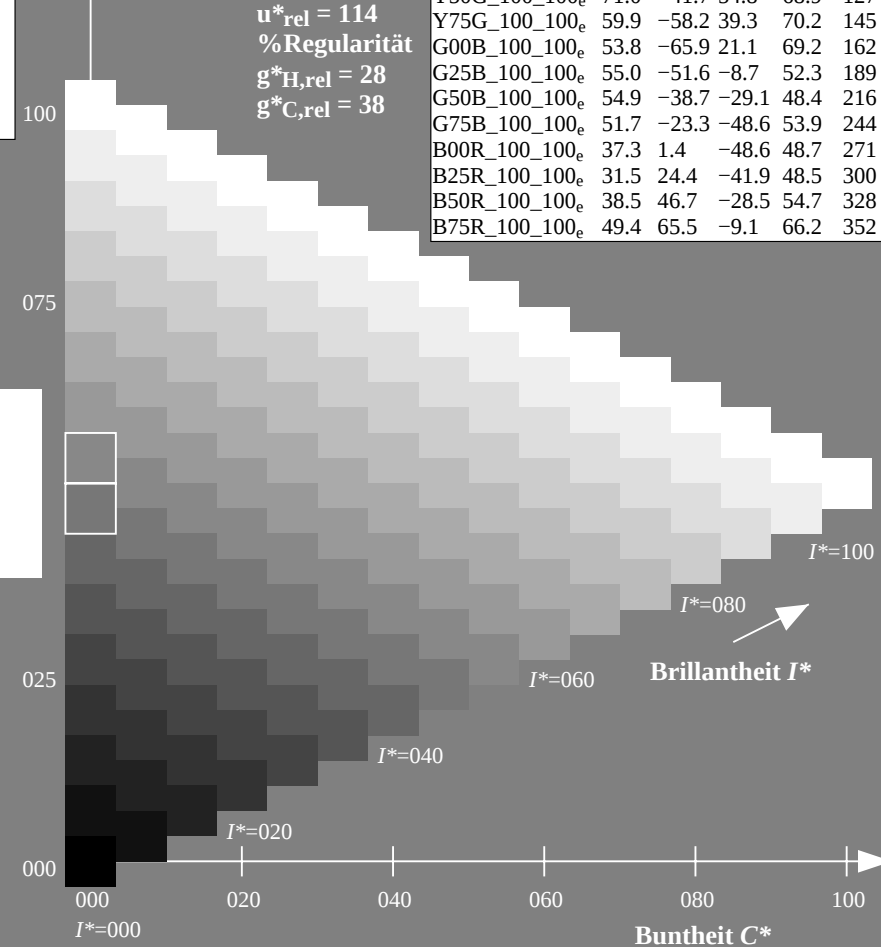
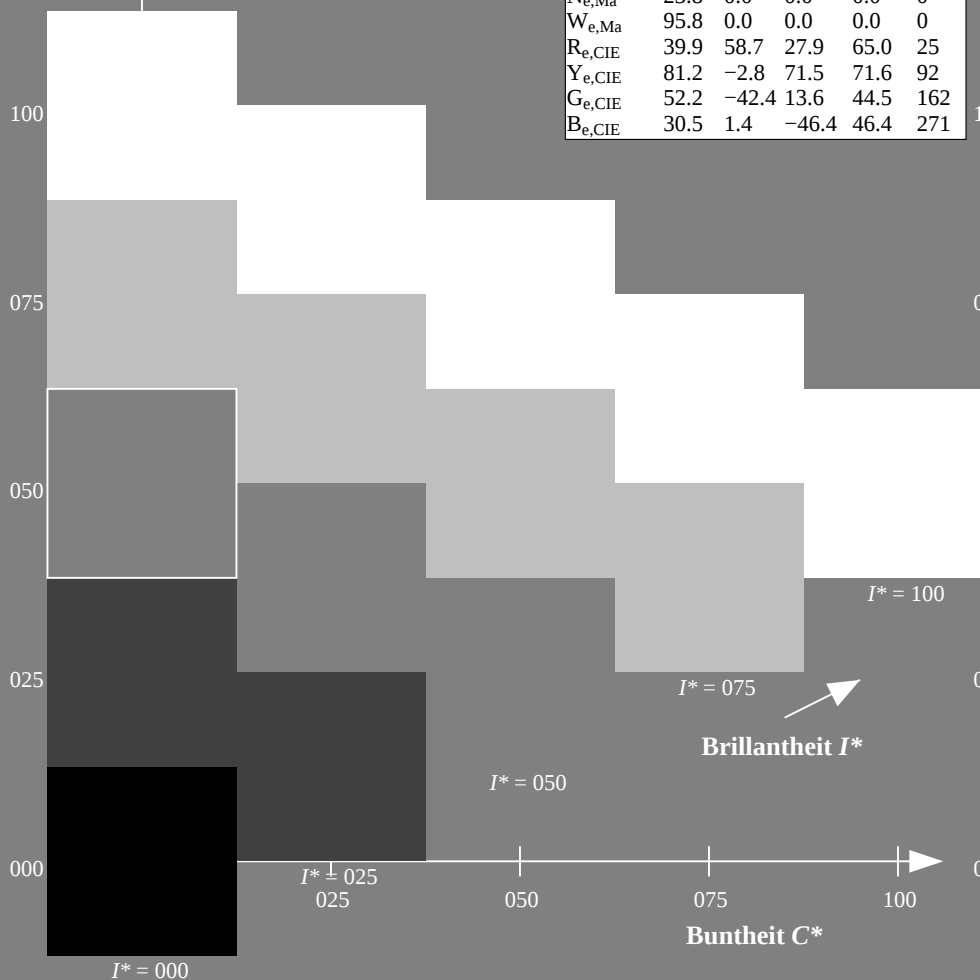
$u^*_{rel} = 114$

%Regularität

$g^*_{H,rel} = 28$

$g^*_{C,rel} = 38$

LRS18a; adaptierte CIELAB-Daten					
H^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100_e	47.5	56.0	26.7	62.1	25
R25Y_100_100_e	51.4	54.8	47.7	72.6	41
R50Y_100_100_e	61.8	35.2	58.4	68.2	58
R75Y_100_100_e	72.3	16.1	68.2	70.1	76
Y00G_100_100_e	83.6	-3.1	76.8	76.9	92
Y25G_100_100_e	85.8	-26.4	78.5	82.9	108
Y50G_100_100_e	71.0	-41.7	54.8	68.9	127
Y75G_100_100_e	59.9	-58.2	39.3	70.2	145
G00B_100_100_e	53.8	-65.9	21.1	69.2	162
G25B_100_100_e	55.0	-51.6	-8.7	52.3	189
G50B_100_100_e	54.9	-38.7	-29.1	48.4	216
G75B_100_100_e	51.7	-23.3	-48.6	53.9	244
B00R_100_100_e	37.3	1.4	-48.6	48.7	271
B25R_100_100_e	31.5	24.4	-41.9	48.5	300
B50R_100_100_e	38.5	46.7	-28.5	54.7	328
B75R_100_100_e	49.4	65.5	-9.1	66.2	352



Daten der Maximalfarbe M im Farbmetrik-System Laserdrucker-Ausgabe; Separation cmy6*, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben RYGBM: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Sechs Bunttonwinkel der Gerätefarben RYGBM: $h_{ab,d} = 33.5, 100.6, 155.5, 235.2, 290.8, 348.9$; Sechs Bunttonwinkel der Elementarfarben RYGBM: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

J=Y_d YellowGelb

LCH*_d = 91.5 86.1 100.5

LAB*_d = 91.5 -15.8 84.6

rgb*_d = 1.0 1.0 0.0

L=G_d leaf-greenLaubgrün

LCH*_d = 54.3 74.3 155.5

LAB*_d = 54.3 -67.6 30.8

rgb*_d = 0.0 1.0 0.0

C=C_d cyan-blueCyanblau

LCH*_d = 53.1 52.5 235.1

LAB*_d = 53.1 -30.0 -43.1

rgb*_d = 0.0 1.0 1.0

O=R_d orange-redOrangerot

LCH*_d = 47.5 68.6 33.4

LAB*_d = 47.5 57.2 37.8

rgb*_d = 1.0 0.0 0.0

M=M_d magenta-redMagentarot

LCH*_d = 48.1 66.6 348.9

LAB*_d = 48.1 65.4 -12.7

rgb*_d = 1.0 0.0 1.0

V=B_d violet-blueViolettblau

LCH*_d = 32.5 47.7 290.8

LAB*_d = 32.5 16.9 -44.6

rgb*_d = 0.0 0.0 1.0

Y_e yellowGelb

LCH*_e = 83.6 76.9 92.3

LAB*_e = 83.6 -3.1 76.8

rgb*_{de} = 1.0 0.768 0.0

G_e greenGrün

LCH*_e = 53.8 69.2 162.2

LAB*_e = 53.8 -65.9 21.1

rgb*_{de} = 0.0 1.0 0.146

C_e blue-greenBlaugrün

LCH*_e = 54.9 48.4 216.9

LAB*_e = 54.9 -38.7 -29.1

rgb*_{de} = 0.0 1.0 0.791

B_e blueBlau

LCH*_e = 37.3 48.7 271.7

LAB*_e = 37.3 1.4 -48.6

rgb*_{de} = 0.0 0.261 1.0

R_e redRot

LCH*_e = 47.5 62.1 25.4

LAB*_e = 47.5 56.0 26.7

rgb*_{de} = 1.0 0.0 0.263

M_e blue-redBlaurot

LCH*_e = 38.5 54.7 328.6

LAB*_e = 38.5 46.7 -28.5

rgb*_{de} = 0.584 0.0 1.0

Y_s yellowGelb

LCH*_s = 81.8 76.2 90.0

LAB*_s = 81.8 0.0 76.2

rgb*_{ds} = 1.0 0.732 0.0

G_s greenGrün

LCH*_s = 57.6 70.9 150.0

LAB*_s = 57.6 -61.4 35.4

rgb*_{ds} = 0.145 1.0 0.0

R_s redRot

LCH*_s = 47.6 65.0 30.0

LAB*_s = 47.6 56.3 32.5

rgb*_{ds} = 1.0 0.0 0.157

M_s blue-redBlaurot

LCH*_s = 38.9 55.3 330.0

LAB*_s = 38.9 47.9 -27.6

rgb*_{ds} = 0.612 0.0 1.0

C_s blue-greenBlaugrün

LCH*_s = 55.2 48.1 210.0

LAB*_s = 55.2 -41.7 -24.0

rgb*_{ds} = 0.0 1.0 0.694

B_s blueBlau

LCH*_s = 38.0 48.9 270.0

LAB*_s = 38.0 0.0 -48.9

rgb*_{ds} = 0.0 0.283 1.0

Notes to the CIELAB chroma diagramsAnmerkung zu den CIELAB-Buntheits-Diagrammen (a^*_d, b^*_d), (a^*_s, b^*_s), (a^*_e, b^*_e)

- For the1. Für die rgb^* -input values the CIELAB data-Eingabedaten wurden die CIELAB-Daten LCH^* und LAB^* have been calculated.
- For the calculation of the standard hue angle $h_{ab,s}$ use for any device values rgb^* the equation:
$$h_{ab,s} = \text{atan} [r^*_d \cos(30) + g^*_d \cos(150)] / [r^*_d \sin(30) + g^*_d \sin(150) + b^*_d \sin(270)] \quad (1)$$
- For the 48 or 360 equally spaced standard hue angles 3. Für die 48 oder 360 gleichabständig gestuften Standard-Buntonwinkel $h_{ab,s}$ of the col the seven hue angles of the 60 degree coloursdie sieben Bunttonwinkel der 60Grad-Farben s: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0, 390.0$ and the equations for a 48 and 360 step hue circle: und die Gleichungen für einen 48- und 360-stufigen Buntonkreis:
$$h_{48ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 8 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (2)$$
$$h_{360ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (3)$$
- For the 48 or 360 elementary hue angles 4. Für die 48 oder 360 Elementar-Buntonwinkel $h_{ab,e}$ of the colours of maximum chroma der Far the seven hue angles of the elementary coloursdie sieben Bunttonwinkel der Elementarfarben e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$ and the equations for a 48 and 360 step elementary hue circle: und die Gleichungen für einen 48- und 360-stufigen Elementar-Buntonkreis:
$$h_{48ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 8 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (4)$$
$$h_{360ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (5)$$
- For any elementary hue angle 5. Für jeden Elementar-Buntonwinkel $h_{ab,e}$ there is a well defined device hue angle gibt es einen genau defini see the following tables, columns 1 to 5 or 1 to 4.siehe die folgenden Tabellen, Spalten 1 bis 5 oder 1 bis 4.
- The values 6. Die Werte rgb^* produce the output of the device-independent elementary hues erzeugen die Ausgabe der geräteunabhängigen

0-013630-L0 QG090-71 LAB*La0, YN=0%, XYZnw=3.9, 4.1, 4.1, 84.7, 89.6, 93.9, LAB*nw=23.9, 0.0, 0.0, 95.8, 0.0, 0.0

TUB-Prüfvorlage QG09; Bunttoncode: H*e=R25Y_e
48-stufige Farbkreise; rgb - $LabCh^*$ -Tabellen

Eingabe: $rgb/cmyk \rightarrow rgb_e$
Ausgabe: Transfer nach $cmyk_e$

Ausgabe: Laserdrucker-Ausgabe; Separation cmy6*, D65, Seite 7/33

Daten der Maximalfarbe M im Farbmetrik-System Laserdrucker-Ausgabe; Separation cmykn6*, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben RYGBCM_d: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Sechs Bunttonwinkel der Gerätefarben RYGBCM_d: $h_{ab,d} = 33.5, 100.6, 155.5, 235.2, 290.8, 348.9$; Sechs Bunttonwinkel der Elementarfarben RYGBCM_c: $h_{ab,c} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd64M}	$LAB^*_{ddx64M} (x=LabCh)$		$rgb^*_{dex361M}$	$LAB^*_{dex361M}$	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
33.4	30.0	25.4	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
42.1	37.5	33.8	1.0	0.125	0.0	51.9	54.3	49.2	73.2	42.1
52.8	45.0	42.1	1.0	0.25	0.0	58.2	41.8	55.1	69.2	52.8
63.7	52.5	50.5	1.0	0.375	0.0	64.6	29.8	60.4	67.3	63.7
73.8	60.0	58.8	1.0	0.5	0.0	70.5	19.2	66.2	69.0	73.8
80.7	67.5	67.2	1.0	0.625	0.0	74.9	11.4	70.7	71.6	80.7
91.5	75.0	75.6	1.0	0.75	0.0	82.9	-2.0	76.9	77.0	91.5
96.8	82.5	83.9	1.0	0.875	0.0	87.6	-9.0	75.7	76.3	96.8
100.5	90.0	92.3	1.0	1.0	0.0	91.5	-15.8	84.6	86.1	100.5
101.4	97.5	101.0	0.875	1.0	0.0	92.8	-18.1	89.4	91.2	101.4
103.9	105.0	109.7	0.75	1.0	0.0	90.1	-21.3	86.0	88.6	103.9
115.0	112.5	118.5	0.625	1.0	0.0	79.9	-31.7	67.9	75.0	115.0
127.3	120.0	127.2	0.5	1.0	0.0	70.9	-41.7	54.8	68.9	127.3
134.7	127.5	136.0	0.375	1.0	0.0	66.5	-47.5	48.0	67.6	134.7
144.7	135.0	144.7	0.25	1.0	0.0	60.6	-57.2	40.4	70.1	144.7
151.0	142.5	153.4	0.125	1.0	0.0	57.0	-62.2	34.4	71.1	151.0
155.5	150.0	162.2	0.0	1.0	0.0	54.3	-67.6	30.8	74.3	155.5
160.8	157.5	169.0	0.0	1.0	0.125	53.8	-66.4	23.0	70.2	160.8
168.5	165.0	175.9	0.0	1.0	0.25	53.7	-63.1	12.8	64.4	168.5
179.9	172.5	182.7	0.0	1.0	0.375	54.7	-56.8	0.0	56.8	179.9
189.8	180.0	189.6	0.0	1.0	0.5	55.0	-51.4	-8.9	52.2	189.8
204.4	187.5	196.4	0.0	1.0	0.625	55.3	-44.1	-20.0	48.5	204.4
214.4	195.0	203.2	0.0	1.0	0.75	55.2	-39.5	-27.1	47.9	214.4
221.9	202.5	210.1	0.0	1.0	0.875	54.4	-36.7	-33.0	49.4	221.9
235.1	210.0	216.9	0.0	1.0	1.0	53.1	-30.0	-43.1	52.5	235.1
237.9	217.5	223.8	0.0	0.875	1.0	53.1	-27.9	-44.7	52.7	237.9
241.3	225.0	230.6	0.0	0.75	1.0	52.9	-25.9	-47.5	54.1	241.3
247.2	232.5	237.5	0.0	0.625	1.0	50.5	-20.8	-49.5	53.7	247.2
254.9	240.0	244.3	0.0	0.5	1.0	46.1	-13.3	-49.4	51.1	254.9
262.6	247.5	251.2	0.0	0.375	1.0	41.4	-6.3	-49.2	49.6	262.6
272.6	255.0	258.0	0.0	0.25	1.0	36.8	2.2	-48.5	48.6	272.6
281.4	262.5	264.8	0.0	0.125	1.0	35.0	9.4	-46.3	47.3	281.4
290.8	270.0	271.7	0.0	0.0	1.0	32.5	16.9	-44.6	47.7	290.8
299.2	277.5	278.8	0.125	0.0	1.0	31.6	23.6	-42.2	48.4	299.2
307.8	285.0	285.9	0.25	0.0	1.0	31.0	30.5	-39.3	49.8	307.8
317.5	292.5	293.0	0.375	0.0	1.0	34.2	38.2	-35.0	51.8	317.5
324.4	300.0	300.1	0.5	0.0	1.0	37.2	43.1	-30.8	53.0	324.4
330.6	307.5	307.2	0.625	0.0	1.0	39.1	48.4	-27.2	55.6	330.6
338.7	315.0	314.3	0.75	0.0	1.0	41.8	55.1	-21.4	59.1	338.7
343.9	322.5	321.4	0.875	0.0	1.0	45.6	60.1	-17.3	62.6	343.9
348.9	330.0	328.6	1.0	0.0	1.0	48.1	65.4	-12.7	66.6	348.9
350.7	337.5	335.7	1.0	0.0	0.875	49.5	66.1	-10.7	67.0	350.7
354.2	345.0	342.8	1.0	0.0	0.75	49.3	64.5	-6.5	64.8	354.2
361.9	352.5	349.9	1.0	0.0	0.625	48.0	61.8	2.1	61.8	361.9
370.0	360.0	357.0	1.0	0.0	0.5	47.8	58.9	10.4	59.9	370.0
378.9	367.5	364.1	1.0	0.0	0.375	47.4	56.8	19.5	60.0	378.9
386.2	375.0	371.2	1.0	0.0	0.25	47.5	55.9	27.5	62.3	386.2
391.3	382.5	378.3	1.0	0.0	0.125	47.6	56.3	34.2	65.9	391.3
393.4	390.0	385.4	1.0	0.0	0.0	47.5	57.2	37.8	68.6	393.4

0-013830-L0 QG090-71 LAB*la0, YN=0%, XYZnw=3.9, 4.1, 4.1, 84.7, 89.6, 93.9, LAB*nw=23.9, 0.0, 0.0, 95.8, 0.0, 0.0

TUB-Prüfvorlage QG09; Bunttoncode: $H^*_e=R25Y_e$
48-stufige Farbkreise; $rgb-LabCh^*$ -Tabellen

Eingabe: $rgb/cmyk \rightarrow rgb_e$
Ausgabe: Transfer nach $cmyk_e$

Ausgabe: Laserdrucker-Ausgabe; Separation cmykn6*, D65, Seite 9/33

Daten der Maximalfarbe M im Farbmetrik-System Laserdrucker-Ausgabe; Separation cmyrn6*; D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben RYGBM _s : $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;																
Sechs Bunttonwinkel der Gerätefarben RYGBM _d : $h_{ab,d} = 33.5, 100.6, 155.5, 235.2, 290.8, 348.9$; Sechs Bunttonwinkel der Elementarfarben RYGBM _e : $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$																
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}	$LAB^*_{dd361Mi}$ (x=LabCh)	R_d	$rgb^*_{ds361Mi}$	$LAB^*_{ds361Mi}$ (x=LabCh)	R_s	$rgb^*_{dd361Mi}$	$rgb^*_{de361Mi}$	$LAB^*_{dex361Mi}$ (x=LabCh)	R_e	$rgb^*_{dd361Mi}$	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
33	30	25	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33	1.0	0.0	0.0	0.0		
34	31	26	1.0	0.016	0.0	48.1	56.9	39.3	69.2	34	1.0	0.0	0.017	0.0		
35	32	27	1.0	0.033	0.0	48.7	56.6	40.8	69.8	35	1.0	0.0	0.033	0.0		
36	33	28	1.0	0.05	0.0	49.3	56.3	42.3	70.4	36	1.0	0.0	0.05	0.0		
38	34	29	1.0	0.066	0.0	49.9	55.9	43.9	71.1	38	1.0	0.0	0.067	0.0		
39	35	31	1.0	0.083	0.0	50.5	55.5	45.4	71.7	39	1.0	0.0	0.083	0.0		
40	36	32	1.0	0.1	0.0	51.0	55.0	46.9	72.3	40	1.0	0.0	0.1	0.0		
41	37	33	1.0	0.116	0.0	51.6	54.5	48.4	72.9	41	1.0	0.0	0.117	0.0		
42	38	34	1.0	0.133	0.0	52.3	53.4	49.7	73.0	42	1.0	0.0	0.133	0.0		
44	39	35	1.0	0.15	0.0	53.2	51.8	50.6	72.4	44	1.0	0.0	0.15	0.0		
45	40	36	1.0	0.166	0.0	54.0	50.2	51.5	71.9	45	1.0	0.0	0.167	0.0		
47	41	37	1.0	0.183	0.0	54.9	48.5	52.3	71.4	47	1.0	0.0	0.183	0.0		
48	42	38	1.0	0.2	0.0	55.7	46.8	53.1	70.8	48	1.0	0.0	0.2	0.0		
50	43	39	1.0	0.216	0.0	56.6	45.2	53.8	70.3	50	1.0	0.0	0.217	0.0		
51	44	41	1.0	0.233	0.0	57.4	43.5	54.5	69.7	51	1.0	0.0	0.233	0.0		
52	45	42	1.0	0.25	0.0	58.2	41.8	55.1	69.2	52	1.0	0.0	0.25	0.0		
54	46	43	1.0	0.266	0.0	59.1	40.2	56.0	69.0	54	1.0	0.0	0.267	0.0		
55	47	44	1.0	0.283	0.0	59.9	38.6	56.8	68.7	55	1.0	0.0	0.283	0.0		
57	48	45	1.0	0.3	0.0	60.8	37.1	57.5	68.5	57	1.0	0.0	0.3	0.0		
58	49	46	1.0	0.316	0.0	61.6	35.5	58.2	68.2	58	1.0	0.0	0.317	0.0		
60	50	47	1.0	0.333	0.0	62.5	33.9	58.9	68.0	60	1.0	0.0	0.333	0.0		
61	51	48	1.0	0.35	0.0	63.3	32.2	59.5	67.7	61	1.0	0.0	0.35	0.0		
63	52	49	1.0	0.366	0.0	64.2	30.6	60.1	67.5	63	1.0	0.0	0.367	0.0		
64	53	51	1.0	0.383	0.0	65.0	29.1	60.8	67.4	64	1.0	0.0	0.383	0.0		
65	54	52	1.0	0.4	0.0	65.8	27.8	61.7	67.7	65	1.0	0.0	0.4	0.0		
67	55	53	1.0	0.416	0.0	66.6	26.4	62.5	67.9	67	1.0	0.0	0.417	0.0		
68	56	54	1.0	0.433	0.0	67.3	25.0	63.3	68.1	68	1.0	0.0	0.433	0.0		
69	57	55	1.0	0.45	0.0	68.1	23.6	64.1	68.3	69	1.0	0.0	0.45	0.0		
71	58	56	1.0	0.466	0.0	68.9	22.1	64.8	68.5	71	1.0	0.0	0.467	0.0		
72	59	57	1.0	0.483	0.0	69.7	20.7	65.6	68.8	72	1.0	0.0	0.483	0.0		
73	60	58	1.0	0.5	0.0	70.5	19.2	66.2	69.0	73	1.0	0.0	0.5	0.0		
74	61	60	1.0	0.516	0.0	71.0	18.2	66.9	69.3	74	1.0	0.0	0.517	0.0		
75	62	61	1.0	0.533	0.0	71.6	17.2	67.5	69.7	75	1.0	0.0	0.533	0.0		
76	63	62	1.0	0.55	0.0	72.2	16.2	68.1	70.0	76	1.0	0.0	0.55	0.0		
77	64	63	1.0	0.566	0.0	72.8	15.1	68.7	70.4	77	1.0	0.0	0.567	0.0		
78	65	64	1.0	0.583	0.0	73.4	14.1	69.3	70.7	78	1.0	0.0	0.583	0.0		
79	66	65	1.0	0.6	0.0	74.0	13.0	69.9	71.1	79	1.0	0.0	0.6	0.0		
80	67	66	1.0	0.616	0.0	74.6	12.0	70.4	71.4	80	1.0	0.0	0.617	0.0		
81	68	67	1.0	0.633	0.0	75.4	10.6	71.2	72.0	81	1.0	0.0	0.633	0.0		
82	69	68	1.0	0.65	0.0	76.5	8.9	72.1	72.7	82	1.0	0.0	0.65	0.0		
84	70	70	1.0	0.666	0.0	77.5	7.2	73.0	73.4	84	1.0	0.0	0.667	0.0		
85	71	71	1.0	0.683	0.0	78.6	5.4	73.9	74.1	85	1.0	0.0	0.683	0.0		
87	72	72	1.0	0.7	0.0	79.7	3.6	74.7	74.8	87	1.0	0.0	0.7	0.0		
88	73	73	1.0	0.716	0.0	80.8	1.7	75.5	75.5	88	1.0	0.0	0.717	0.0		
-269	74	74	1.0	0.733	0.0	81.8	-0.1	76.3	76.3	-269	1.0	0.0	0.733	0.0		
-268	75	75	1.0	0.75	0.0	82.9	-2.0	76.9	77.0	-268	1.0	0.0	0.75	0.0		

0-013930-L0 QG090-71 LAB*la0, YN=0%, XYZnw=3.9, 4.1, 4.1, 84.7, 89.6, 93.9, LAB*nw=23.9, 0.0, 0.0, 95.8, 0.0, 0.0

Ausgabe: Laserdrucker-Ausgabe; Separation cmyrn6*, D65, Seite 10/33

TUB-Prüfvorlage QG09; Bunttoncode: $H^*_e=R25Y_e$
48-stufige Farbkreise; $rgb-LabCh^*$ -Tabellen

Eingabe: $rgb/cmyk \rightarrow rgb_e$
Ausgabe: Transfer nach $cmyk_e$

Daten der Maximalfarbe M im Farbmetrik-System Laserdrucker-Ausgabe; Separation cmyn6*, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben RYGBCM _s : $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$; Sechs Bunttonwinkel der Gerätefarben RYGBCM _g : $h_{ab,d} = 33.5, 100.6, 155.5, 235.2, 290.8, 348.9$; Sechs Bunttonwinkel der Elementarfarben RYGBCM _e : $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$																	
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}	LAB^*_{d361Mi} (x=LabCh)	$rgb^*_{ds361Mi}$	$LAB^*_{ds361Mi}$ (x=LabCh)	$rgb^*_{dd361Mi}$	$rgb^*_{de361Mi}$	$LAB^*_{dex361Mi}$ (x=LabCh)	$rgb^*_{dd361Mi}$	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}				
127	120	127	0.5	1.0	0.0	70.9	-41.7	54.8	68.9	127	0.5	1.0	0.0				
128	121	128	0.483	1.0	0.0	70.4	-42.6	53.9	68.7	128	0.483	1.0	0.0				
129	122	129	0.466	1.0	0.0	69.8	-43.4	53.0	68.5	129	0.467	1.0	0.0				
130	123	130	0.45	1.0	0.0	69.2	-44.2	52.1	68.3	130	0.45	1.0	0.0				
131	124	131	0.433	1.0	0.0	68.6	-45.0	51.2	68.2	131	0.433	1.0	0.0				
132	125	133	0.416	1.0	0.0	68.0	-45.7	50.3	68.0	132	0.417	1.0	0.0				
133	126	134	0.4	1.0	0.0	67.4	-46.5	49.4	67.8	133	0.4	1.0	0.0				
134	127	135	0.383	1.0	0.0	66.8	-47.2	48.5	67.7	134	0.383	1.0	0.0				
135	128	136	0.366	1.0	0.0	66.1	-48.2	47.5	67.7	135	0.367	1.0	0.0				
136	129	137	0.35	1.0	0.0	65.4	-49.5	46.6	68.1	136	0.35	1.0	0.0				
138	130	138	0.333	1.0	0.0	64.6	-50.9	45.7	68.4	138	0.333	1.0	0.0				
139	131	140	0.316	1.0	0.0	63.8	-52.2	44.7	68.7	139	0.317	1.0	0.0				
140	132	141	0.3	1.0	0.0	63.0	-53.5	43.7	69.1	140	0.3	1.0	0.0				
142	133	142	0.283	1.0	0.0	62.2	-54.7	42.6	69.4	142	0.283	1.0	0.0				
143	134	143	0.266	1.0	0.0	61.4	-56.0	41.5	69.7	143	0.267	1.0	0.0				
144	135	144	0.25	1.0	0.0	60.6	-57.2	40.4	70.1	144	0.25	1.0	0.0				
145	136	145	0.233	1.0	0.0	60.1	-57.9	39.6	70.2	145	0.233	1.0	0.0				
146	137	147	0.216	1.0	0.0	59.6	-58.6	38.9	70.3	146	0.217	1.0	0.0				
147	138	148	0.2	1.0	0.0	59.1	-59.3	38.1	70.5	147	0.2	1.0	0.0				
148	139	149	0.183	1.0	0.0	58.7	-59.9	37.3	70.6	148	0.183	1.0	0.0				
148	140	150	0.166	1.0	0.0	58.2	-60.6	36.4	70.7	148	0.167	1.0	0.0				
149	141	151	0.15	1.0	0.0	57.7	-61.2	35.6	70.9	149	0.15	1.0	0.0				
150	142	152	0.133	1.0	0.0	57.2	-61.9	34.8	71.0	150	0.133	1.0	0.0				
151	143	154	0.116	1.0	0.0	56.8	-62.5	34.1	71.3	151	0.117	1.0	0.0				
151	144	155	0.1	1.0	0.0	56.4	-63.3	33.7	71.7	151	0.1	1.0	0.0				
152	145	156	0.083	1.0	0.0	56.1	-64.0	33.2	72.1	152	0.083	1.0	0.0				
153	146	157	0.066	1.0	0.0	55.7	-64.7	32.8	72.6	153	0.067	1.0	0.0				
153	147	158	0.049	1.0	0.0	55.4	-65.5	32.3	73.0	153	0.05	1.0	0.0				
154	148	159	0.033	1.0	0.0	55.0	-66.2	31.8	73.5	154	0.033	1.0	0.0				
154	149	161	0.016	1.0	0.0	54.7	-66.9	31.3	73.9	154	0.017	1.0	0.0				
155	150	162	0.0	1.0	0.0	54.3	-67.6	30.8	74.3	155	0.0	1.0	0.0				
156	151	163	0.0	1.0	0.016	54.2	-67.5	29.7	73.8	156	0.0	1.0	0.017				
156	152	164	0.0	1.0	0.033	54.2	-67.4	28.6	73.2	156	0.0	1.0	0.033				
157	153	164	0.0	1.0	0.05	54.1	-67.2	27.6	72.7	157	0.0	1.0	0.05				
158	154	165	0.0	1.0	0.066	54.0	-67.1	26.6	72.1	158	0.0	1.0	0.067				
159	155	166	0.0	1.0	0.083	53.9	-66.9	25.5	71.6	159	0.0	1.0	0.083				
159	156	167	0.0	1.0	0.1	53.9	-66.7	24.5	71.1	159	0.0	1.0	0.1				
160	157	168	0.0	1.0	0.116	53.8	-66.5	23.5	70.5	160	0.0	1.0	0.117				
161	158	169	0.0	1.0	0.133	53.8	-66.2	22.3	69.9	161	0.0	1.0	0.133				
162	159	170	0.0	1.0	0.15	53.8	-65.8	20.8	69.1	162	0.0	1.0	0.15				
163	160	171	0.0	1.0	0.166	53.8	-65.5	19.4	68.3	163	0.0	1.0	0.167				
164	161	172	0.0	1.0	0.183	53.8	-65.0	18.1	67.5	164	0.0	1.0	0.183				
165	162	173	0.0	1.0	0.2	53.8	-64.6	16.7	66.7	165	0.0	1.0	0.2				
166	163	174	0.0	1.0	0.216	53.7	-64.1	15.4	66.0	166	0.0	1.0	0.217				
167	164	175	0.0	1.0	0.233	53.7	-63.6	14.1	65.2	167	0.0	1.0	0.233				
168	165	175	0.0	1.0	0.25	53.7	-63.1	12.8	64.4	168	0.0	1.0	0.25				

0-0131130-L0 QG090-71 LAB*la0, YN=0%, XYZnw=3.9, 4.1, 4.1, 84.7, 89.6, 93.9, LAB*nmw=23.9, 0.0, 0.0, 95.8, 0.0, 0.0

Ausgabe: Laserdrucker-Ausgabe; Separation cmyn6*, D65, Seite 12/33

TUB-Prüfvorlage QG09; Bunttoncode: $H^*_e=R25Y_e$
48-stufige Farbkreise; $rgb-LabCh$ -Tabellen

Eingabe: $rgb/cmyk \rightarrow rgb_e$
Ausgabe: Transfer nach $cmyk_e$

0-0131130-F0

Daten der Maximalwinkel M im Farbmimetrik-System Labdrucker-Ausgabe; Separation cmykn9*, D65 für Ein- und Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben RYGBGRM; h_{ab} ; = 30,0, 90,0, 150,0, 210,0, 270,0, 330,0;
Sach. Bunttönwinkel des Graufarbenes BYGGRM; L^* ; = 32,5, 100,6, 155
 a^* ; = 22,5, 2,290,9, -24,9 * Der Sechsbunttonwinkel des Fluoreszenzfarbens BYGGRM; b^* ; = -25,5, 92,3, 162,2, 317,0, 273,7, 238,6

Sechs Banktinkwinkel der Geratefabrik K100Cbm ₂ , $\eta_{ab,d} = 55.3, 100.0, 135.3, 235.2, 290.0, 340.3$, Sechs Banktinkwinkel der Elementfabrik K100Cbm ₂ , $\eta_{ab,e} = 25.3, 52.3, 102.2, 217.0, 217.7, 320.0$																																						
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	$rgb^*_{ds361Mi}$	LAB^*_{d361Mi}	$LAB^*_{ds361Mi}(x=LabCh)$	$rgb^*_{ds361Mi}$	$LAB^*_{ds361Mi}(x=LabCh)$	$rgb^*_{de361Mi}$	$LAB^*_{de361Mi}(x=LabCh)$	$rgb^*_{de361Mi}$	$LAB^*_{de361Mi}(x=LabCh)$	$rgb^*_{ds361Mi}$	$rgb^*_{ds361Mi}$	$rgb^*_{ds361Mi}$																								
235	210	216	0.0	1.0	1.0	53.1	-30.0	-43.1	52.5	235	C_d	0.0	1.0	0.694	55.3	-41.6	-24.0	48.2	210	C_s	0.0	1.0	1.0	0.0	1.0	0.792	55.0	-38.6	-29.0	48.4	216	C_e	0.0	1.0	1.0			
235	211	217	0.0	0.983	1.0	53.1	-29.7	-43.3	52.5	235		0.0	1.0	0.707	55.3	-41.2	-24.7	48.1	211		0.0	0.983	1.0	0.0	1.0	0.807	54.9	-38.3	-29.8	48.6	217	0.0	0.983	1.0				
235	212	218	0.0	0.966	1.0	53.1	-29.4	-43.5	52.5	235		0.0	1.0	0.719	55.3	-40.7	-25.4	48.1	212		0.0	0.967	1.0	0.0	1.0	0.822	54.8	-37.9	-30.5	48.8	218	0.0	0.967	1.0				
236	213	219	0.0	0.95	1.0	53.1	-29.2	-43.7	52.6	236		0.0	1.0	0.732	55.3	-40.2	-26.1	48.0	213		0.0	0.95	1.0	0.0	1.0	0.837	54.7	-37.6	-31.2	49.0	219	0.0	0.95	1.0				
236	214	220	0.0	0.933	1.0	53.1	-28.9	-43.9	52.6	236		0.0	1.0	0.744	55.2	-39.7	-26.7	48.0	214		0.0	0.933	1.0	0.0	1.0	0.853	54.6	-37.2	-31.9	49.2	220	0.0	0.933	1.0				
237	215	221	0.0	0.916	1.0	53.1	-28.6	-44.2	52.6	237		0.0	1.0	0.759	55.2	-39.3	-27.5	48.1	215		0.0	0.917	1.0	0.0	1.0	0.868	54.5	-36.9	-32.6	49.4	221	0.0	0.917	1.0				
237	216	222	0.0	0.9	1.0	53.1	-28.3	-44.4	52.7	237		0.0	1.0	0.775	55.1	-38.9	-28.3	48.3	216		0.0	0.9	1.0	0.0	1.0	0.88	54.4	-36.5	-33.4	49.6	222	0.0	0.9	1.0				
237	217	223	0.0	0.883	1.0	53.1	-28.1	-44.6	52.7	237		0.0	1.0	0.792	55.0	-38.6	-29.1	48.5	217		0.0	0.883	1.0	0.0	1.0	0.888	54.3	-36.1	-34.1	49.8	223	0.0	0.883	1.0				
238	218	224	0.0	0.866	1.0	53.0	-27.8	-44.9	52.8	238		0.0	1.0	0.809	54.9	-38.2	-29.9	48.7	218		0.0	0.867	1.0	0.0	1.0	0.897	54.2	-35.7	-34.8	50.0	224	0.0	0.867	1.0				
238	219	225	0.0	0.85	1.0	53.0	-27.5	-45.3	53.0	238		0.0	1.0	0.825	54.8	-37.9	-30.6	48.9	219		0.0	0.85	1.0	0.0	1.0	0.906	54.1	-35.3	-35.5	50.2	225	0.0	0.85	1.0				
239	220	226	0.0	0.833	1.0	53.0	-27.3	-45.6	53.2	239		0.0	1.0	0.842	54.7	-37.5	-31.4	49.1	220		0.0	0.833	1.0	0.0	1.0	0.914	54.1	-34.9	-36.2	50.4	226	0.0	0.833	1.0				
239	221	227	0.0	0.816	1.0	53.0	-27.0	-46.0	53.4	239		0.0	1.0	0.859	54.6	-37.1	-32.2	49.3	221		0.0	0.817	1.0	0.0	1.0	0.923	54.0	-34.										

QG090-71 LAB*la0, YN=0%, XYZnw=3.9, 4.1, 4.1, 84.7, 89.6, 93.9, LAB*nw=23.9, 0.0, 0.0, 95.8, 0.0, 0.0

Ausgabe: Laserdrucker-Ausgabe; Separation cmyn6*, D65, Seite 14/38

TUB-Prüfvorlage QG09; Bunttoncode: H*e=R25Ye
48-stufige Farbkreise; *rgb-LabCh**-Tabellen

Eingabe: $rgb/cmyk \rightarrow rgb_e$
Ausgabe: Transfer nach $cmyk_e$

TUB-Registrierung: 20130201-QG09/QG09L0NP.PDF /.PS TUB-Material: Code=rha4ta
- Anwendung für Messung von Laserdrucker-Ausgabe, Separation cmyk6 (CMYK)

Siehe ähnliche Dateien: <http://130.149.60.45/~farbmantik/QG09/QG09.HTM>
Technische Information: <http://www.ps.bam.de> oder <http://130.149.60.45/~farbmantik>

<http://130.149.60.45/~farbmatrik/QG09/QG09L0NP.PDF> /PS; Transfer Ausgabe N: Keine 3D-Linearisierung (OL) in Datei (F) oder PS-Startup (S) Seite 18/33

Eingabe: $rgb/cmyk \rightarrow rgb_e$
Ausgabe: Transfer nach $cmyk_e$

TUB-Prüfvorlage QG09; Bunttoncode: H*_e=R25Y_e

QG090-7N, Seite 18/33-F

0-0131730-F0

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Siehe ähnliche Dateien: <http://130.149.60.45/~farbmatrik/QG09/QG09.HTM>
Technische Information: <http://www.ps.bam.de> oder <http://130.149.60.45/~farbmatrik>

N: Keine 3D-Linearisierung (OL) in Datei (F) oder PS-Startup (S) Seite 21/33
<http://130.149.60.45/~farbmetrik/QG09/QG09LONP.PDF> /PS; Transfer Ausgabe

TUB-Prüfvorlage QG09; Bunttoncode: H*_e=R25Y_e

Eingabe: $rgb/cmyk \rightarrow rgb_e$
Ausgabe: Transfer nach $cmyk_e$

HIC ^{Fe}	rgb ^{Fe}	icl ^{Fe}	hs _g ^{Fe}	rgb ^{Fe}	LobCh ^{Fe}	7.7	3.3	7.7	25.4	rgb ^{Fe}	7.7	24.7	LobCh ^{Fe}	DE ^{Fe}	h _{an} ^{Fe}	rgb ^{Fe}	LabCh ^{Fe}
ROXY_012_012a	0.125 0.0	0.125 0.0	0.032 26.8	0.125 0.0	0.125 0.0	0.0	0.0	0.0	0.0	0.125 0.0	0.0	0.0	0.0	5.1	375	0.0	0.263
B50R_012_012a	0.125 0.0	0.125 0.0	0.025 25.6	0.125 0.0	0.125 0.0	0.0	0.0	0.0	0.0	0.125 0.0	0.0	0.0	0.0	5.1	305	0.0	0.263
B25R_025_025a	0.125 0.0	0.125 0.0	0.032 300	0.073 0.0	0.032 300	7.7	-3.5	6.8	328.6	0.125 0.0	0.125 0.0	0.125 0.0	0.125 0.0	45.9	332.7	0.0	0.263
B35R_035_035a	0.125 0.0	0.125 0.0	0.025 25.6	0.125 0.0	0.125 0.0	0.0	0.0	0.0	0.0	0.125 0.0	0.0	0.0	0.0	5.1	305	0.0	0.263
B25R_025_025a	0.125 0.0	0.125 0.0	0.025 25.6	0.125 0.0	0.125 0.0	0.0	0.0	0.0	0.0	0.125 0.0	0.0	0.0	0.0	5.1	305	0.0	0.263
B15R_015_015a	0.125 0.0	0.125 0.0	0.025 25.6	0.125 0.0	0.125 0.0	0.0	0.0	0.0	0.0	0.125 0.0	0.0	0.0	0.0	5.1	305	0.0	0.263
B15R_015_015a	0.125 0.0	0.125 0.0	0.025 25.6	0.125 0.0	0.125 0.0	0.0	0.0	0.0	0.0	0.125 0.0	0.0	0.0	0.0	5.1	305	0.0	0.263
B05R_005_005a	0.125 0.0	0.125 0.0	0.025 25.6	0.125 0.0	0.125 0.0	0.0	0.0	0.0	0.0	0.125 0.0	0.0	0.0	0.0	5.1	305	0.0	0.263
B05R_005_005a	0.125 0.0	0.125 0.0	0.025 25.6	0.125 0.0	0.125 0.0	0.0	0.0	0.0	0.0	0.125 0.0	0.0	0.0	0.0	5.1	305	0.0	0.263
B05R_005_005a	0.125 0.0	0.125 0.0	0.025 25.6	0.125 0.0	0.125 0.0	0.0	0.0	0.0	0.0	0.125 0.0	0.0	0.0	0.0	5.1	305	0.0	0.263
B05R_005_005a	0.125 0.0	0.125 0.0	0.025 25.6	0.125 0.0	0.125 0.0	0.0	0.0	0.0	0.0	0.125 0.0	0.0	0.0	0.0	5.1	305	0.0	0.263
B05R_005_005a	0.125 0.0	0.125 0.0	0.025 25.6	0.125 0.0	0.125 0.0	0.0	0.0	0.0	0.0	0.125 0.0	0.0	0.0	0.0	5.1	305	0.0	0.263
B05R_005_005a	0.125 0.0	0.125 0.0	0.025 25.6	0.125 0.0	0.125 0.0	0.0	0.0	0.0	0.0	0.125 0.0	0.0	0.0	0.0	5.1	305	0.0	0.263
B05R_005_005a	0.125 0.0	0.125 0.0	0.025 25.6	0.125 0.0	0.125 0.0	0.0	0.0	0.0	0.0	0.125 0.0	0.0	0.0	0.0	5.1	305	0.0	0.263
B05R_005_005a	0.125 0.0	0.125 0.0	0.025 25.6	0.125 0.0	0.125 0.0	0.0	0.0	0.0	0.0	0.125 0.0	0.0	0.0	0.0	5.1	305	0.0	0.263
B05R_005_005a	0.125 0.0	0.125 0.0	0.025 25.6	0.125 0.0	0.125 0.0	0.0	0.0	0.0	0.0	0.125 0.0	0.0	0.0	0.0	5.1	305	0.0	0.263
B05R_005_005a	0.125 0.0	0.125 0.0	0.025 25.6	0.125 0.0	0.125 0.0	0.0	0.0	0.0	0.0	0.125 0.0	0.0	0.0	0.0	5.1	305	0.0	0.263
B05R_005_005a	0.125 0.0	0.125 0.0	0.025 25.6	0.125 0.0	0.125 0.0	0.0	0.0	0.0	0.0	0.125 0.0	0.0	0.0	0.0	5.1	305	0.0	0.263
B05R_005_005a	0.125 0.0	0.125 0.0	0.025 25.6	0.125 0.0	0.125 0.0	0.0	0.0	0.0	0.0	0.125 0.0	0.0	0.0	0.0	5.1	305	0.0	0.263
B05R_005_005a	0.125 0.0	0.125 0.0	0.025 25.6	0.125 0.0	0.125 0.0	0.0	0.0	0.0	0.0	0.125 0.0							

http://130.149.60.45/~farbmatrik/QG09/QG09LONP.PDF /PS; Transfer Ausgabe N: Keine 3D-Linearisierung (OL) in Datei (F) oder PS-Startup (S) Seite 22/33

TUB-Prüfvorlage QG09; Bunttoncode: H*_e=R25Y_e

Eingabe: $rgb/cmyk \rightarrow rgb_e$
Ausgabe: Transfer nach $cmyk_e$

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Siehe ähnliche Dateien: <http://130.149.60.45/~farbmatrik/QG09/QG09.HTM>
Technische Information: <http://www.ps.bam.de> oder <http://130.149.60.45/~farbmatrik>

http://130.149.60.45/~farbmatrik/QG09/QG09L0NP.PDF /PS; Transfer Ausgabe
N: Keine 3D-Linearisierung (OL) in Datei (F) oder PS-Startup (S); Seite 23/33

TUB-Prüfvorlage QG09; Bunttoncode: H* = R25Y_e

Eingabe: $rgb/cmyk \rightarrow rgb_e$
Ausgabe: Transfer nach $cmyk_e$

[illegible]

http://130.149.60.45/~farbmatrik/QG09/QG09LONP.PDF /PS; Transfer Ausgabe N: Keine 3D-Linearisierung (OL) in Datei (F) oder PS-Startup (S), Seite 28/33

TUB-Prüfvorlage QG09; Bunttoncode: H*_e=R25Y_e

Eingabe: *rgb/cmyk* $\rightarrow$ *rgb*
Ausgabe: Transfer nach *cmyk*

[illegible]

0-0132730-F0

QG090-7N, Seite 28/33-F

-Siehe ähnliche Dateien: <http://130.149.60.45/~farbmetrik/QG09/QG09.HTM>
Technische Information: <http://www.ps.bam.de> oder <http://130.149.60.45/~farbmetrik>

http://130.149.60.45/~farbmatrik/QG09/QG09LONP.PDF /PS; Transfer Ausgabe
N: Keine 3D-Linearisierung (OL) in Datei (F) oder PS-Startup (S), Seite 31/33

[illegible]

Eingabe: *rgb/cmyk* $\rightarrow$ *rgb*_e
Ausgabe: Transfer nach *cmyk*_e

TUB-Prüfvorlage QG09; Bunttoncode: H*_e=R25Y_e



Siehe ähnliche Dateien: <http://130.149.60.45/~farbmetrik/QG09/QG09.HTM>

Technische Information: <http://www.ps.bam.de> oder <http://130.149.60.45/~farbmetrik>



http://130.149.60.45/~farbmetrik/QG09/QG09L0NP.PDF /.PS; Transfer Ausgabe
N: Keine 3D-Linearisierung (OL) in Datei (F) oder PS-Startup (S), Seite 33/33



n	HC*Fe	rgb*Fe	Lab*Fe	LabCh*Fe	rgb*Fe	LabCh*Fe	DF*Fe	rgb*Me	LabCh*Me	LabCh*Me	DF*Fe
1053	NW_086e	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866
1054	NW_093e	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933
1055	NW_100e	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1056	NW_000e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1057	NW_006e	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066
1058	NW_013e	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133
1059	NW_020e	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
1060	NW_026e	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266
1061	NW_033e	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333
1062	NW_040e	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
1063	NW_046e	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466
1064	NW_053e	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533
1065	NW_060e	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
1066	NW_066e	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666
1067	NW_073e	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734
1068	NW_080e	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
1069	NW_086e	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866
1070	NW_093e	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933
1071	NW_100e	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1072	NW_000e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1073	ROY_100_100e	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1074	ROY_100_100e	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1075	Y000_100_100e	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1076	Y000_100_100e	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1077	B000_100_100e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1078	B000_100_100e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1079	B50R_100_100e	1.0	0.0	1.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0

QC080-7N, Seite 33/33-F

TUB-Prüfvorlage QG09; Bunttoncode: H*e=R25Ye
Farben und Farbabstände, ΔE*

Eingabe: rgb/cmyk -> rgbe
Ausgabe: Transfer nach cmyke

0-013320-F0

0-013320-F0