

Ein- und Ausgabe: Offset-Reflektiv-System ORS18a für relativen CIELAB-Buntton  $h_{ab,a,rel} = h_{ab}/360 = 234/360 = 0.65$

$H^*_{-} = G50B_{-}$

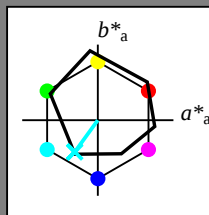
Daten für jede Geräte- (d) oder  
Elementarfarbe (e):

$HIC^*_{-}$

Bunttontext für die Farben  
dieser Seite:

$H^*_{-} = G50B_{-}$

Dreiecks-Helligkeit  $T^*$



ORS18a; adaptierte CIELAB-Daten

| Name   | $L^*=L^*_a a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------|-------------------|---------|--------------|--------------|
| R-,Ma  | 47.9              | 65.3    | 50.5         | 82.6         |
| Y-,Ma  | 90.3              | -10.2   | 91.7         | 92.3         |
| G-,Ma  | 50.9              | -62.8   | 34.9         | 71.9         |
| C-,Ma  | 58.6              | -30.3   | -45.0        | 54.2         |
| B-,Ma  | 25.7              | 31.0    | -44.4        | 54.2         |
| M-,Ma  | 48.1              | 75.2    | -8.3         | 75.7         |
| N-,Ma  | 18.0              | 0.0     | 0.0          | 0            |
| W-,Ma  | 95.4              | 0.0     | 0.0          | 0            |
| R-,CIE | 39.9              | 58.7    | 27.9         | 65.0         |
| Y-,CIE | 81.2              | -2.8    | 71.5         | 71.6         |
| G-,CIE | 52.2              | -42.4   | 13.6         | 44.5         |
| B-,CIE | 30.5              | 1.4     | -46.4        | 46.4         |

Daten für Maximalfarbe (Ma):

$LabCh^*_{-,Ma}$ : 63 -30 -42 51 234

$HIC^*_{-,Ma}$ : G50B\_100\_100-

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

0.0 1.0 1.0 1.0 1.0

Dreiecks-Helligkeit  $T^*$

%Umfang

$u^*_{rel} = 92$

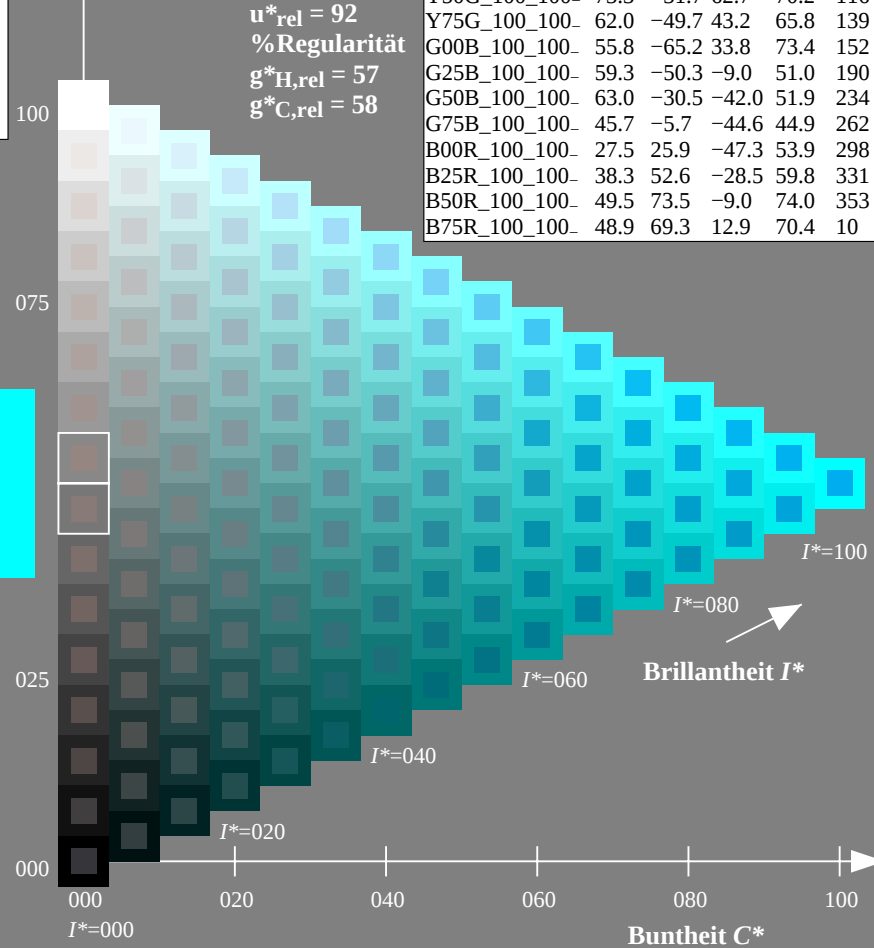
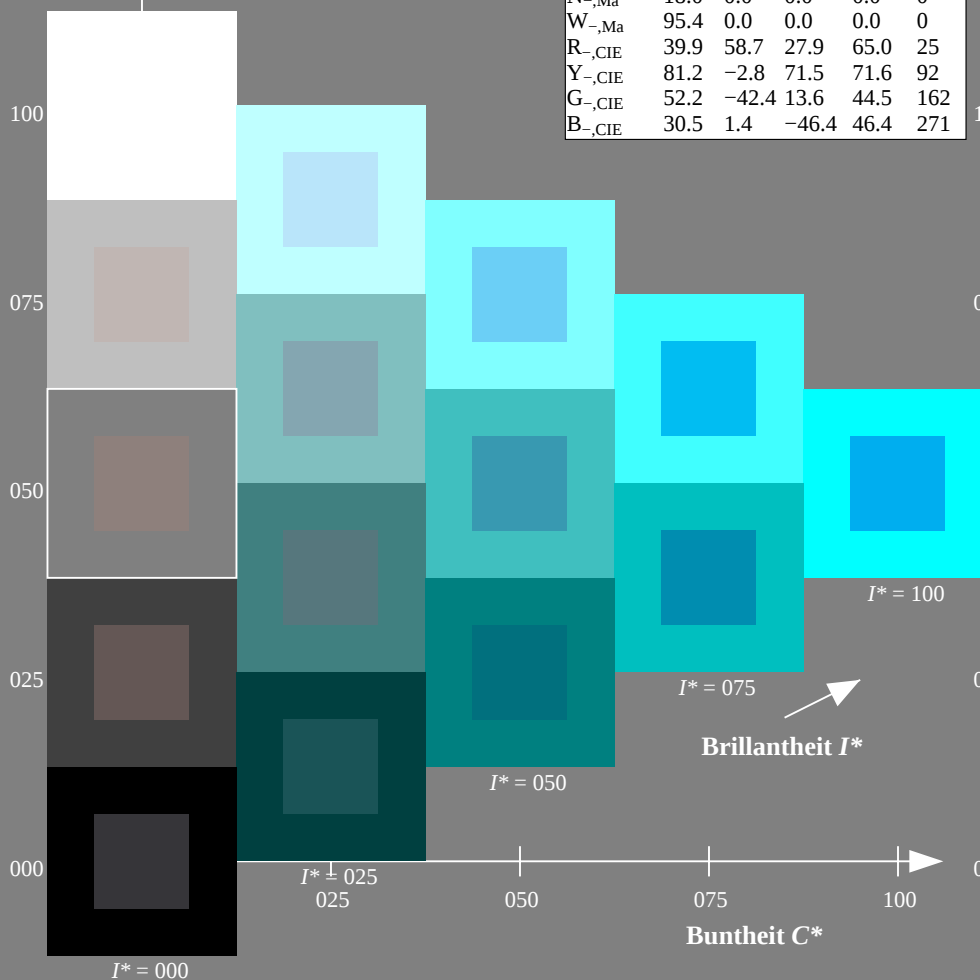
%Regularität

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 58$

ORS20a; adaptierte CIELAB-Daten

| $H^*_{-}$     | $L^*=L^*_a a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---------------|-------------------|---------|--------------|--------------|
| R00Y_100_100- | 48.4              | 66.1    | 40.2         | 77.3         |
| R25Y_100_100- | 56.8              | 48.0    | 50.5         | 69.6         |
| R50Y_100_100- | 68.6              | 25.0    | 63.9         | 68.6         |
| R75Y_100_100- | 80.6              | 4.8     | 77.2         | 77.3         |
| Y00G_100_100- | 90.2              | -9.6    | 88.2         | 88.7         |
| Y25G_100_100- | 83.2              | -18.4   | 79.9         | 81.9         |
| Y50G_100_100- | 73.3              | -31.7   | 62.7         | 70.2         |
| Y75G_100_100- | 62.0              | -49.7   | 43.2         | 65.8         |
| G00B_100_100- | 55.8              | -65.2   | 33.8         | 73.4         |
| G25B_100_100- | 59.3              | -50.3   | -9.0         | 51.0         |
| G50B_100_100- | 63.0              | -30.5   | -42.0        | 51.9         |
| G75B_100_100- | 45.7              | -5.7    | -44.6        | 44.9         |
| B00R_100_100- | 27.5              | 25.9    | -47.3        | 53.9         |
| B25R_100_100- | 38.3              | 52.6    | -28.5        | 59.8         |
| B50R_100_100- | 49.5              | 73.5    | -9.0         | 74.0         |
| B75R_100_100- | 48.9              | 69.3    | 12.9         | 70.4         |



TUB-Prüfvorlage QG95; Bunttoncode:  $H^*_{-} = G50B_{-}$   
Prüfvorlage nach DIN 33872, 3D=1, de=1, cmyk\*

Eingabe:  $rgb/cmyk \rightarrow rgb/cmyk$   
Ausgabe: keine Änderung

Ein- und Ausgabe: Offset-Reflektiv-System ORS18a für relativen CIELAB-Buntton  $h_{ab,a,rel} = h_{ab}/360 = 216/360 = 0.6$

$H^*_e = G50B_e$

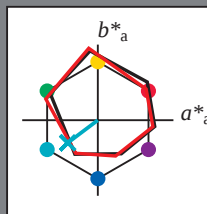
Daten für jede Geräte- (d) oder  
Elementarfarbe (e):

$HIC^*_e$

Bunttontext für die Farben  
dieser Seite:

$H^*_e = G50B_e$

Dreiecks-Helligkeit  $T^*$



| ORS20a; adaptierte CIELAB-Daten |             |         |         |              |              |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| Name                            | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| $R_{e,Ma}$                      | 47.6        | 64.9    | 30.9    | 71.9         | 25           |
| $Y_{e,Ma}$                      | 82.9        | -3.5    | 87.8    | 87.9         | 92           |
| $G_{e,Ma}$                      | 52.4        | -67.1   | 21.5    | 70.5         | 162          |
| $C_{e,Ma}$                      | 56.6        | -39.7   | -29.9   | 49.8         | 216          |
| $B_{e,Ma}$                      | 37.9        | 1.3     | -45.4   | 45.4         | 271          |
| $M_{e,Ma}$                      | 34.8        | 49.2    | -30.0   | 57.7         | 328          |
| $N_{e,Ma}$                      | 17.7        | 0.0     | 0.0     | 0.0          | 0            |
| $W_{e,Ma}$                      | 95.4        | 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):

$LabCh^*_{e,Ma}$ : 56 -39 -29 49 216

$HIC^*_{e,Ma}$ : G50B\_100\_100\_e

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

0.0 1.0 0.73 1.0 1.0

Dreiecks-Helligkeit  $T^*$

%Umfang

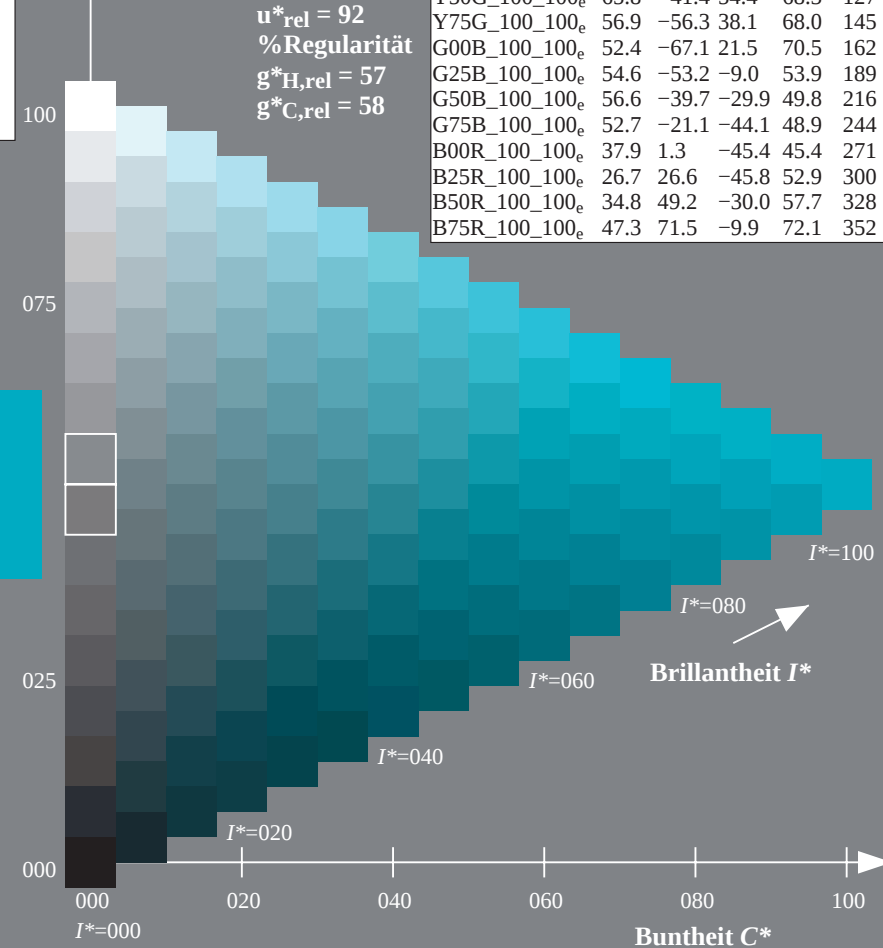
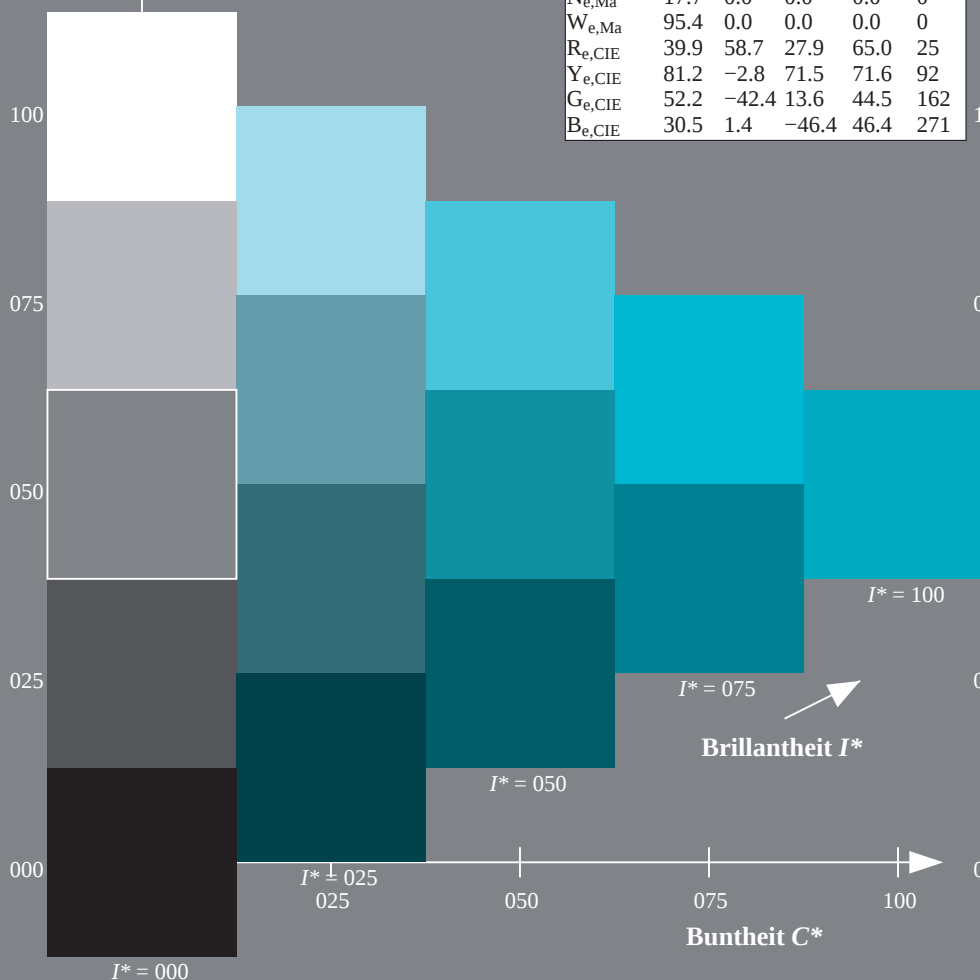
$u^*_{rel} = 92$

%Regularität

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 58$

| ORS20a; adaptierte CIELAB-Daten |             |         |         |              |              |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| $H^*_e$                         | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| $R00Y\_100\_100_e$              | 47.6        | 64.9    | 30.9    | 71.9         | 25           |
| $R25Y\_100\_100_e$              | 51.5        | 54.2    | 47.2    | 71.9         | 41           |
| $R50Y\_100\_100_e$              | 60.3        | 35.6    | 59.0    | 68.9         | 58           |
| $R75Y\_100\_100_e$              | 70.4        | 17.0    | 72.2    | 74.1         | 76           |
| $Y00G\_100\_100_e$              | 82.9        | -3.5    | 87.8    | 87.9         | 92           |
| $Y25G\_100\_100_e$              | 76.9        | -25.5   | 75.9    | 80.1         | 108          |
| $Y50G\_100\_100_e$              | 65.8        | -41.4   | 54.4    | 68.3         | 127          |
| $Y75G\_100\_100_e$              | 56.9        | -56.3   | 38.1    | 68.0         | 145          |
| $G00B\_100\_100_e$              | 52.4        | -67.1   | 21.5    | 70.5         | 162          |
| $G25B\_100\_100_e$              | 54.6        | -53.2   | -9.0    | 53.9         | 189          |
| $G50B\_100\_100_e$              | 56.6        | -39.7   | -29.9   | 49.8         | 216          |
| $G75B\_100\_100_e$              | 52.7        | -21.1   | -44.1   | 48.9         | 244          |
| $B00R\_100\_100_e$              | 37.9        | 1.3     | -45.4   | 45.4         | 271          |
| $B25R\_100\_100_e$              | 26.7        | 26.6    | -45.8   | 52.9         | 300          |
| $B50R\_100\_100_e$              | 34.8        | 49.2    | -30.0   | 57.7         | 328          |
| $B75R\_100\_100_e$              | 47.3        | 71.5    | -9.9    | 72.1         | 352          |



TUB-Prüfvorlage QG95; Bunttoncode:  $H^*_e = G50B_e$   
Prüfvorlage nach DIN 33872, 3D=1,  $de=1$ ,  $cmk^*$

Eingabe:  $rgb/cmyk \rightarrow rgb_{de}$   
Ausgabe: 3D-Linearisierung  $cmk^*_{de}$

Ein- und Ausgabe: Offset-Reflektiv-System ORS18a für relativen CIELAB-Buntton  $h_{ab,a,rel} = h_{ab}/360 = 216/360 = 0.6$

$H^*_e = G50B_e$

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

$HIC^*_e$

Bunttontext für die Farben  
dieser Seite:

$H^*_e = G50B_e$

Dreiecks-Helligkeit  $T^*$

Daten für Maximalfarbe (Ma):

$LabCh^*_{e,Ma}$ : 56 -39 -29 49 216

$HIC^*_{e,Ma}$ : G50B\_100\_100\_e

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

0.0 1.0 0.73 1.0 1.0

Dreiecks-Helligkeit  $T^*$

%Umfang

$u^*_{rel} = 92$

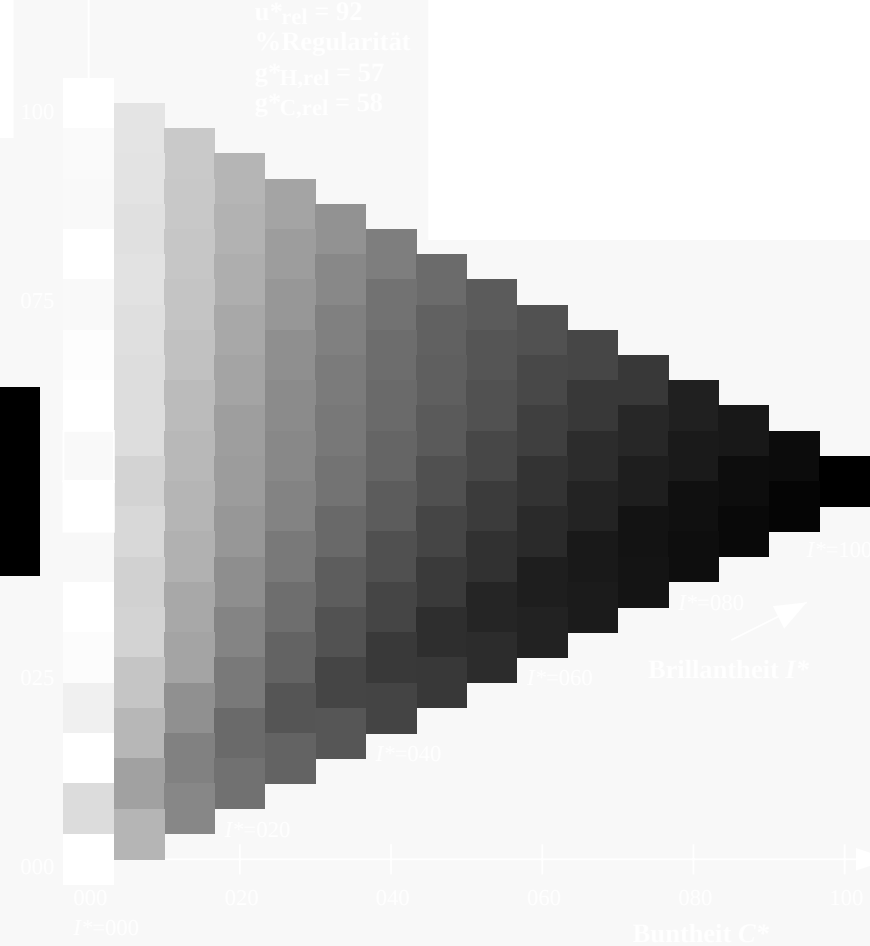
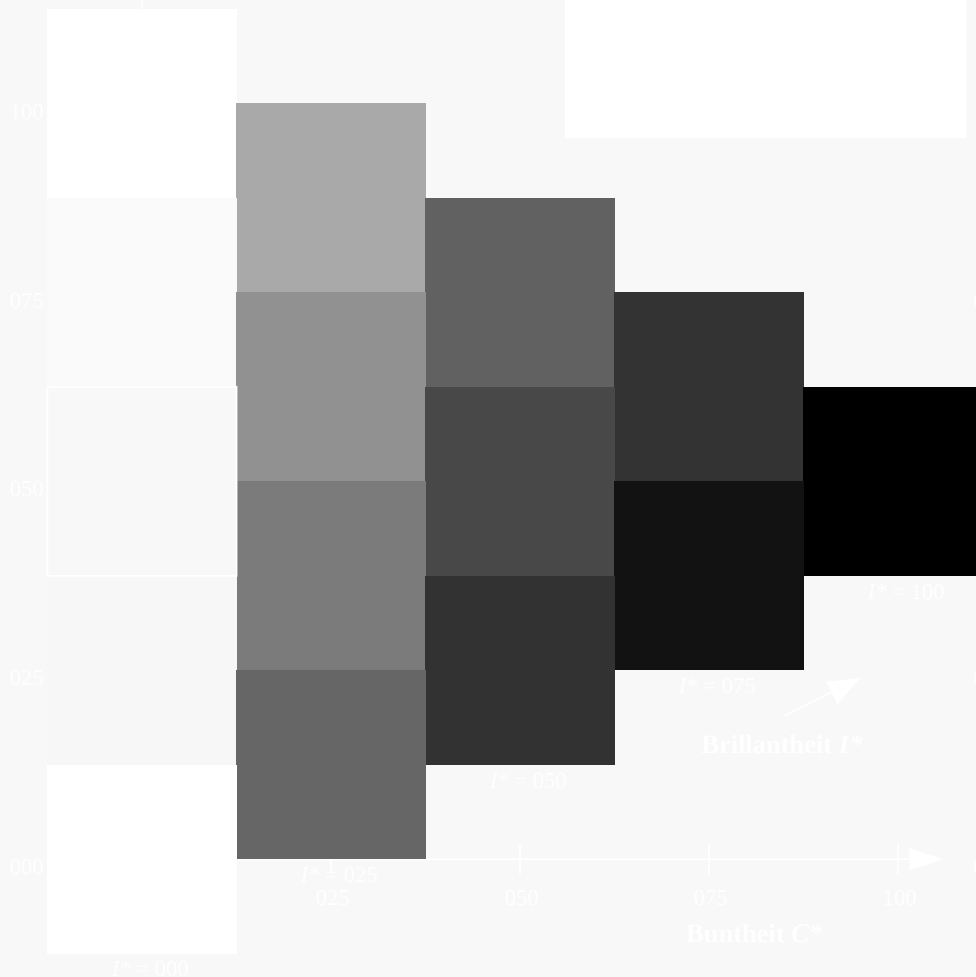
%Regularität

$g^*H_{rel} = 57$

$g^*C_{rel} = 58$

Siehe ähnliche Dateien: <http://130.149.60.45/~farbmetrik/QG95/QG95.HTM>  
Technische Information: <http://www.ps.bam.de> oder <http://130.149.60.45/~farbmetrik>

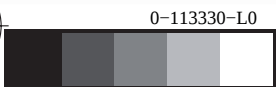
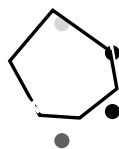
TUB-Registrierung: 20130201-QG95/QG95L0FP.PDF /.PS TUB-Material: Code=rh4ta  
Anwendung für Messung von Offsetdruck-Ausgabe, Separation  $cmyn6^*$  (CMYK)



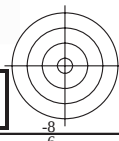
0-113230-L0 QG950-73

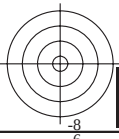
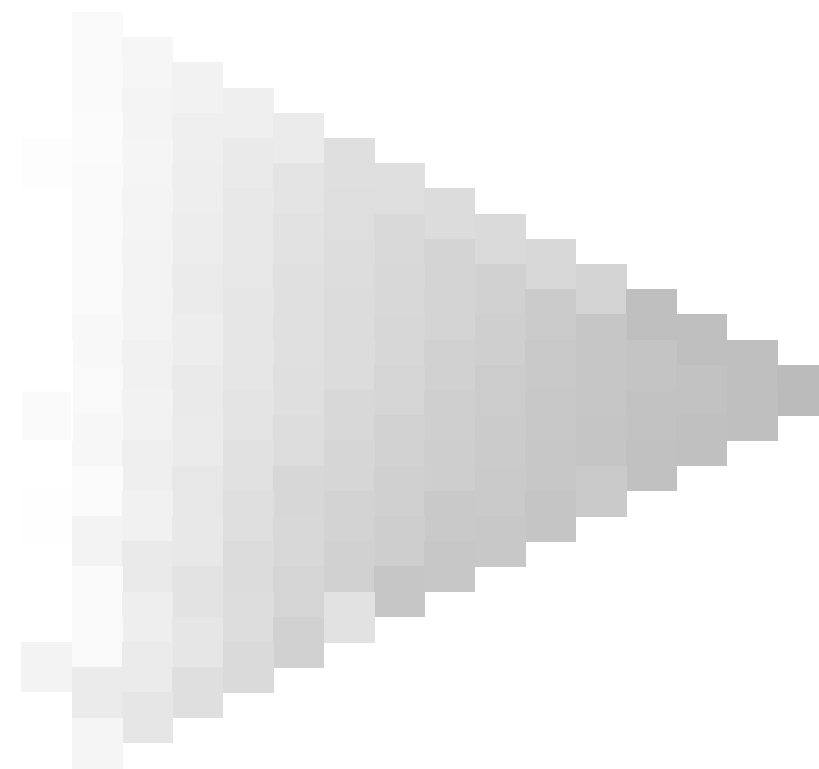
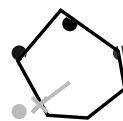
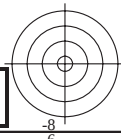
TUB-Prüfvorlage QG95; Bunttoncode:  $H^*_e=G50B_e$   
Prüfvorlage nach DIN 33872, 3D=1,  $de=1$ ,  $cmYk^*$

Eingabe:  $rgb/cmyk \rightarrow rgb_{de}$   
Ausgabe: 3D-Linearisierung  $cmYk^*_{de}$



0-113330-L0 QG950-73





Ein- und Ausgabe: Offset-Reflektiv-System ORS18a für relativen CIELAB-Buntton  $h_{ab,a,rel} = h_{ab}/360 = 216/360 = 0.6$

$H^*_e = G50B_e$

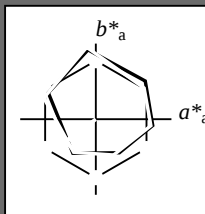
Daten für jede Geräte- (d) oder  
Elementarfarbe (e):

$HIC^*_e$

Bunttontext für die Farben  
dieser Seite:

$H^*_e = G50B_e$

Dreiecks-Helligkeit  $T^*$



| ORS20a; adaptierte CIELAB-Daten |             |         |         |              |              |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| Name                            | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| $R_e, Ma$                       | 47.6        | 64.9    | 30.9    | 71.9         | 25           |
| $Y_e, Ma$                       | 82.9        | -3.5    | 87.8    | 87.9         | 92           |
| $G_e, Ma$                       | 52.4        | -67.1   | 21.5    | 70.5         | 162          |
| $C_e, Ma$                       | 56.6        | -39.7   | -29.9   | 49.8         | 216          |
| $B_e, Ma$                       | 37.9        | 1.3     | -45.4   | 45.4         | 271          |
| $M_e, Ma$                       | 34.8        | 49.2    | -30.0   | 57.7         | 328          |
| $N_e, Ma$                       | 17.7        | 0.0     | 0.0     | 0.0          | 0            |
| $W_e, Ma$                       | 95.4        | 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):

$LabCh^*_e, Ma$ : 56 -39 -29 49 216

$HIC^*_e, Ma$ : G50B\_100\_100\_e

$rgbic^*_e, Ma$ :

0.0 1.0 0.73 1.0 1.0

Dreiecks-Helligkeit  $T^*$

%Umfang

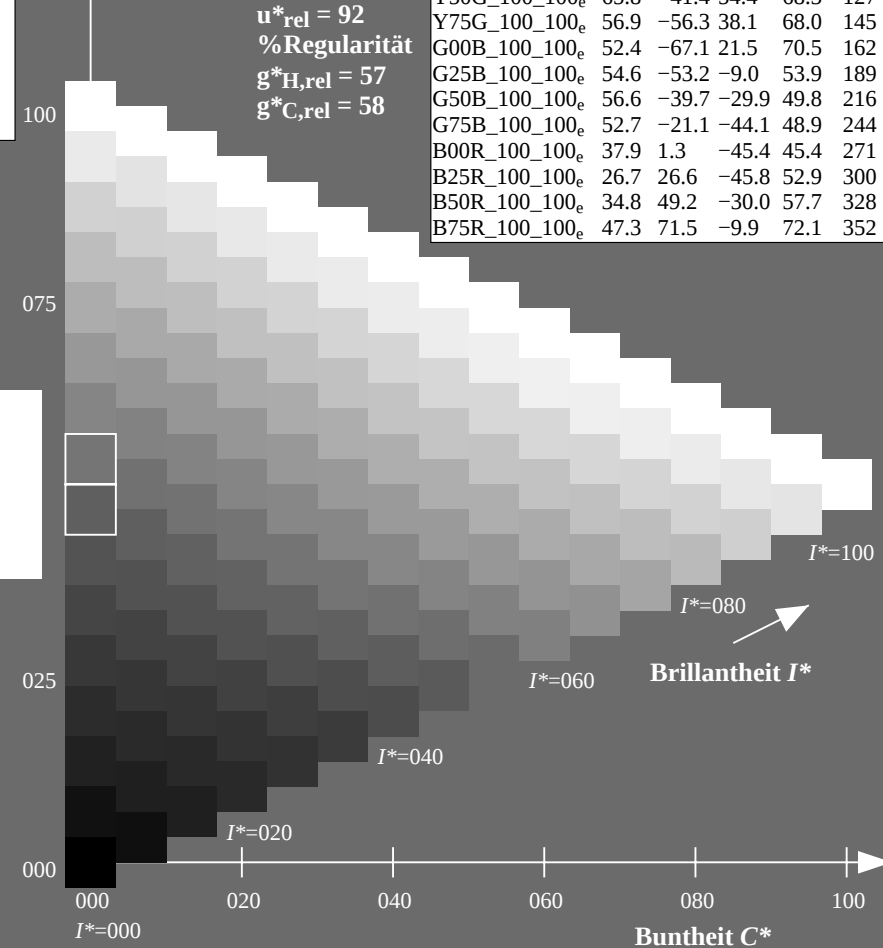
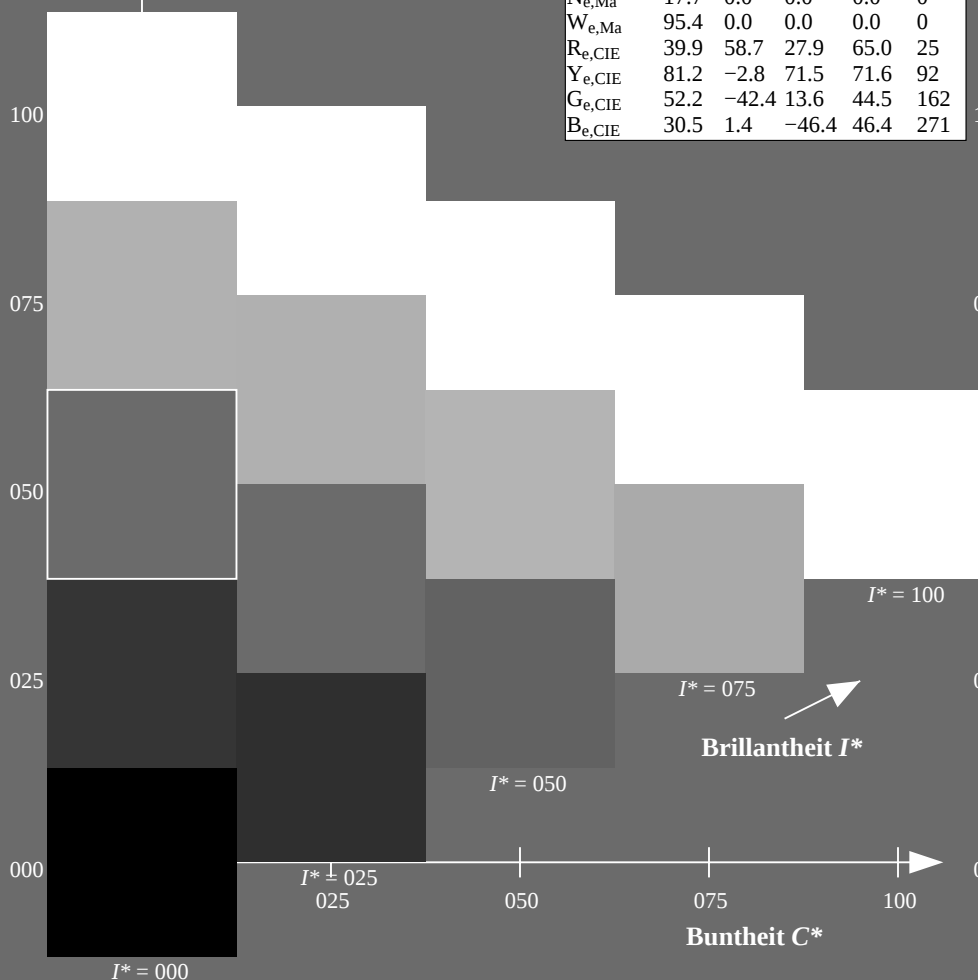
$u^*_{rel} = 92$

%Regularität

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 58$

| ORS20a; adaptierte CIELAB-Daten |             |         |         |              |              |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| $H^*_e$                         | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| $R00Y\_100\_100_e$              | 47.6        | 64.9    | 30.9    | 71.9         | 25           |
| $R25Y\_100\_100_e$              | 51.5        | 54.2    | 47.2    | 71.9         | 41           |
| $R50Y\_100\_100_e$              | 60.3        | 35.6    | 59.0    | 68.9         | 58           |
| $R75Y\_100\_100_e$              | 70.4        | 17.0    | 72.2    | 74.1         | 76           |
| $Y00G\_100\_100_e$              | 82.9        | -3.5    | 87.8    | 87.9         | 92           |
| $Y25G\_100\_100_e$              | 76.9        | -25.5   | 75.9    | 80.1         | 108          |
| $Y50G\_100\_100_e$              | 65.8        | -41.4   | 54.4    | 68.3         | 127          |
| $Y75G\_100\_100_e$              | 56.9        | -56.3   | 38.1    | 68.0         | 145          |
| $G00B\_100\_100_e$              | 52.4        | -67.1   | 21.5    | 70.5         | 162          |
| $G25B\_100\_100_e$              | 54.6        | -53.2   | -9.0    | 53.9         | 189          |
| $G50B\_100\_100_e$              | 56.6        | -39.7   | -29.9   | 49.8         | 216          |
| $G75B\_100\_100_e$              | 52.7        | -21.1   | -44.1   | 48.9         | 244          |
| $B00R\_100\_100_e$              | 37.9        | 1.3     | -45.4   | 45.4         | 271          |
| $B25R\_100\_100_e$              | 26.7        | 26.6    | -45.8   | 52.9         | 300          |
| $B50R\_100\_100_e$              | 34.8        | 49.2    | -30.0   | 57.7         | 328          |
| $B75R\_100\_100_e$              | 47.3        | 71.5    | -9.9    | 72.1         | 352          |



Daten der Maximalfarbe M im Farbmetrik-System Offset-Normdruck; Separation cmyn6\*, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben  $RYGCBM_s$ :  $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ; Sechs Bunttonwinkel der Gerätefarben  $RYGCBM_d$ :  $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$ ; Sechs Bunttonwinkel der Elementarfarben  $RYGCBM_e$ :  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

J=Y<sub>d</sub> YellowGelb

$LCH^*_d = 88.3 \ 95.8 \ 97.1$   
 $LAB^*_d = 88.3 \ -11.9 \ 95.1$   
 $rgb^*_d = 1.0 \ 1.0 \ 0.0$

L=G<sub>d</sub> leaf-greenLaubgrün

$LCH^*_d = 51.9 \ 74.3 \ 157.7$   
 $LAB^*_d = 51.9 \ -68.8 \ 28.1$   
 $rgb^*_d = 0.0 \ 1.0 \ 0.0$

C=C<sub>d</sub> cyan-blueCyanblau

$LCH^*_d = 58.3 \ 52.6 \ 236.1$   
 $LAB^*_d = 58.3 \ -29.2 \ -43.7$   
 $rgb^*_d = 0.0 \ 1.0 \ 1.0$

O=R<sub>d</sub> orange-redOrangerot

$LCH^*_d = 47.3 \ 76.0 \ 32.8$   
 $LAB^*_d = 47.3 \ 63.8 \ 41.2$   
 $rgb^*_d = 1.0 \ 0.0 \ 0.0$

M=M<sub>d</sub> magenta-redMagentarot

$LCH^*_d = 48.2 \ 73.3 \ 353.3$   
 $LAB^*_d = 48.2 \ 72.8 \ -8.5$   
 $rgb^*_d = 1.0 \ 0.0 \ 1.0$

V=B<sub>d</sub> violet-blueViolettblau

$LCH^*_d = 25.3 \ 52.8 \ 296.4$   
 $LAB^*_d = 25.3 \ 23.5 \ -47.3$   
 $rgb^*_d = 0.0 \ 0.0 \ 1.0$

Y<sub>e</sub> yellowGelb

$LCH^*_e = 82.9 \ 87.9 \ 92.3$   
 $LAB^*_e = 82.9 \ -3.5 \ 87.8$   
 $rgb^*_{de} = 1.0 \ 0.841 \ 0.0$

G<sub>e</sub> greenGrün

$LCH^*_e = 52.4 \ 70.5 \ 162.2$   
 $LAB^*_e = 52.4 \ -67.1 \ 21.5$   
 $rgb^*_{de} = 0.0 \ 1.0 \ 0.093$

C<sub>e</sub> blue-greenBlaugrün

$LCH^*_e = 56.6 \ 49.8 \ 216.9$   
 $LAB^*_e = 56.6 \ -39.7 \ -29.9$   
 $rgb^*_{de} = 0.0 \ 1.0 \ 0.735$

B<sub>e</sub> blueBlau

$LCH^*_e = 37.9 \ 45.4 \ 271.7$   
 $LAB^*_e = 37.9 \ 1.3 \ -45.4$   
 $rgb^*_{de} = 0.0 \ 0.374 \ 1.0$

R<sub>e</sub> redRot

$LCH^*_e = 47.6 \ 71.9 \ 25.4$   
 $LAB^*_e = 47.6 \ 64.9 \ 30.9$   
 $rgb^*_{de} = 1.0 \ 0.0 \ 0.209$

M<sub>e</sub> blue-redBlaurot

$LCH^*_e = 34.8 \ 57.7 \ 328.6$   
 $LAB^*_e = 34.8 \ 49.2 \ -30.0$   
 $rgb^*_{de} = 0.407 \ 0.0 \ 1.0$

Y<sub>s</sub> yellowGelb

$LCH^*_s = 80.6 \ 84.9 \ 90.0$   
 $LAB^*_s = 80.6 \ 0.0 \ 84.9$   
 $rgb^*_{ds} = 1.0 \ 0.784 \ 0.0$

G<sub>s</sub> greenGrün

$LCH^*_s = 55.1 \ 70.1 \ 150.0$   
 $LAB^*_s = 55.1 \ -60.7 \ 35.0$   
 $rgb^*_{ds} = 0.074 \ 1.0 \ 0.0$

C<sub>s</sub> blue-greenBlaugrün

$LCH^*_s = 56.1 \ 50.0 \ 210.0$   
 $LAB^*_s = 56.1 \ -43.3 \ -25.0$   
 $rgb^*_{ds} = 0.0 \ 1.0 \ 0.665$

B<sub>s</sub> blueBlau

$LCH^*_s = 38.8 \ 45.4 \ 270.0$   
 $LAB^*_s = 38.8 \ 0.0 \ -45.4$   
 $rgb^*_{ds} = 0.0 \ 0.397 \ 1.0$

R<sub>s</sub> redRot

$LCH^*_s = 47.4 \ 74.2 \ 30.0$   
 $LAB^*_s = 47.4 \ 64.3 \ 37.1$   
 $rgb^*_{ds} = 1.0 \ 0.0 \ 0.084$

M<sub>s</sub> blue-redBlaurot

$LCH^*_s = 35.6 \ 58.3 \ 330.0$   
 $LAB^*_s = 35.6 \ 50.5 \ -29.1$   
 $rgb^*_{ds} = 0.431 \ 0.0 \ 1.0$

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 colours of maximum chroma of the 60 degree coloursdie sieben Bunttonwinkel der 60Grad-Farben  $s$ :  $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0, 30.0$  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 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  $h_{ab,d}$  gibt es einen genau definierten Bunttonwinkel der Gerätefarben  $d$  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  $rgb^*_{de}$  produce the output of the device-independent elementary hues erzeugen die Ausgabe der geräteunabhängigen Elementarfarben.

Daten der Maximalfarbe M im Farbmetrik-System Offset-Normdruck; Separation cmyn6\*, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben RYGBM<sub>s</sub>:  $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;  
Sechs Bunttonwinkel der Gerätefarben RYGBM<sub>d</sub>:  $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$ ; Sechs Bunttonwinkel der Elementarfarben RYGBM<sub>e</sub>:  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

| $h_{ab,d}$ | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*$ | $dd64M$ | $LAB^*$ | $ddx64M$ (x=LabCh) | $rgb^*$ | $ddx361M$ | $LAB^*$ | $ddx361M$ (x=LabCh) | $rgb^*$ | $dsx361M$ | $LAB^*$ | $dsx361M$ (x=LabCh) | $rgb^*$ | $dex361M$ | $LAB^*$ | $dex361M$ |
|------------|------------|------------|---------|---------|---------|--------------------|---------|-----------|---------|---------------------|---------|-----------|---------|---------------------|---------|-----------|---------|-----------|
| 32.8       | 30.0       | 25.4       | 1.0     | 0.0     | 0.0     | 47.3               | 63.8    | 41.2      | 76.0    | 32.8                | 1.0     | 0.0       | 0.0     | 47.4                | 63.9    | 41.2      | 76.0    | 32        |
| 40.4       | 37.5       | 33.8       | 1.0     | 0.125   | 0.0     | 51.2               | 54.9    | 46.7      | 72.1    | 40.4                | 1.0     | 0.117     | 0.0     | 51.0                | 55.5    | 46.5      | 72.4    | 39        |
| 50.0       | 45.0       | 42.1       | 1.0     | 0.25    | 0.0     | 56.0               | 44.4    | 53.0      | 69.1    | 50.0                | 1.0     | 0.25      | 0.0     | 56.0                | 44.4    | 53.0      | 69.2    | 50        |
| 61.1       | 52.5       | 50.5       | 1.0     | 0.375   | 0.0     | 61.4               | 33.2    | 60.3      | 68.8    | 61.1                | 1.0     | 0.367     | 0.0     | 61.1                | 34.0    | 59.9      | 68.9    | 60        |
| 71.4       | 60.0       | 58.8       | 1.0     | 0.5     | 0.0     | 67.2               | 22.6    | 67.6      | 71.2    | 71.4                | 1.0     | 0.5       | 0.0     | 67.2                | 22.6    | 67.6      | 71.3    | 71        |
| 81.7       | 67.5       | 67.2       | 1.0     | 0.625   | 0.0     | 73.6               | 11.0    | 76.1      | 76.9    | 81.7                | 1.0     | 0.617     | 0.0     | 73.2                | 11.9    | 75.7      | 76.6    | 81        |
| 88.5       | 75.0       | 75.6       | 1.0     | 0.75    | 0.0     | 79.2               | 2.0     | 83.0      | 83.1    | 88.5                | 1.0     | 0.75      | 0.0     | 79.3                | 2.0     | 83.1      | 83.1    | 88        |
| 93.6       | 82.5       | 83.9       | 1.0     | 0.875   | 0.0     | 84.2               | -5.7    | 89.4      | 89.6    | 93.6                | 1.0     | 0.867     | 0.0     | 84.0                | -5.1    | 89.1      | 89.2    | 93        |
| 97.1       | 90.0       | 92.3       | 1.0     | 1.0     | 0.0     | 88.3               | -11.9   | 95.1      | 95.8    | 97.1                | 1.0     | 1.0       | 0.0     | 88.4                | -11.9   | 95.1      | 95.9    | 97        |
| 100.3      | 97.5       | 101.0      | 0.875   | 1.0     | 0.0     | 85.8               | -16.2   | 88.6      | 90.0    | 100.3               | 0.883   | 1.0       | 0.0     | 86.0                | -15.9   | 89.0      | 90.5    | 100       |
| 103.3      | 105.0      | 109.7      | 0.75    | 1.0     | 0.0     | 82.9               | -19.7   | 83.0      | 85.3    | 103.3               | 0.75    | 1.0       | 0.0     | 83.0                | -19.6   | 83.0      | 85.3    | 103       |
| 108.3      | 112.5      | 118.5      | 0.625   | 1.0     | 0.0     | 77.0               | -25.2   | 76.3      | 80.4    | 108.3               | 0.633   | 1.0       | 0.0     | 77.5                | -24.8   | 76.8      | 80.8    | 107       |
| 115.3      | 120.0      | 127.2      | 0.5     | 1.0     | 0.0     | 72.7               | -31.3   | 66.0      | 73.1    | 115.3               | 0.5     | 1.0       | 0.0     | 72.8                | -31.3   | 66.1      | 73.1    | 115       |
| 122.4      | 127.5      | 136.0      | 0.375   | 1.0     | 0.0     | 68.9               | -36.9   | 58.1      | 68.8    | 122.4               | 0.383   | 1.0       | 0.0     | 69.2                | -36.5   | 58.6      | 69.1    | 121       |
| 134.9      | 135.0      | 144.7      | 0.25    | 1.0     | 0.0     | 60.8               | -47.8   | 47.8      | 67.6    | 134.9               | 0.25    | 1.0       | 0.0     | 60.9                | -47.7   | 47.9      | 67.7    | 134       |
| 144.6      | 142.5      | 153.4      | 0.125   | 1.0     | 0.0     | 57.4               | -54.9   | 38.9      | 67.3    | 144.6               | 0.133   | 1.0       | 0.0     | 57.6                | -54.4   | 39.6      | 67.4    | 144       |
| 157.7      | 150.0      | 162.2      | 0.0     | 1.0     | 0.0     | 51.9               | -68.8   | 28.1      | 74.3    | 157.7               | 0.0     | 1.0       | 0.0     | 52.0                | -68.8   | 28.1      | 74.4    | 157       |
| 163.7      | 157.5      | 169.0      | 0.0     | 1.0     | 0.125   | 52.5               | -66.4   | 19.3      | 69.1    | 163.7               | 0.0     | 1.0       | 0.117   | 52.5                | -66.5   | 19.9      | 69.5    | 157       |
| 170.9      | 165.0      | 175.9      | 0.0     | 1.0     | 0.25    | 53.2               | -61.9   | 9.8       | 62.7    | 170.9               | 0.0     | 1.0       | 0.25    | 53.3                | -61.9   | 9.8       | 62.8    | 170       |
| 181.0      | 172.5      | 182.7      | 0.0     | 1.0     | 0.375   | 54.1               | -56.9   | -1.0      | 56.9    | 181.0               | 0.0     | 1.0       | 0.367   | 54.0                | -57.3   | -0.3      | 57.4    | 180       |
| 193.5      | 180.0      | 189.6      | 0.0     | 1.0     | 0.5     | 54.8               | -51.0   | -12.3     | 52.5    | 193.5               | 0.0     | 1.0       | 0.5     | 54.8                | -51.0   | -12.2     | 52.6    | 193       |
| 205.9      | 187.5      | 196.4      | 0.0     | 1.0     | 0.625   | 55.8               | -45.1   | -21.9     | 50.1    | 205.9               | 0.0     | 1.0       | 0.617   | 55.8                | -45.5   | -21.3     | 50.3    | 205       |
| 218.4      | 195.0      | 203.2      | 0.0     | 1.0     | 0.75    | 56.7               | -38.9   | -30.9     | 49.7    | 218.4               | 0.0     | 1.0       | 0.75    | 56.8                | -38.9   | -30.8     | 49.8    | 218       |
| 227.3      | 202.5      | 210.1      | 0.0     | 1.0     | 0.875   | 57.5               | -34.3   | -37.2     | 50.6    | 227.3               | 0.0     | 1.0       | 0.867   | 57.5                | -34.6   | -36.8     | 50.6    | 226       |
| 236.1      | 210.0      | 216.9      | 0.0     | 1.0     | 1.0     | 58.3               | -29.2   | -43.7     | 52.6    | 236.1               | 0.0     | 1.0       | 1.0     | 58.3                | -29.2   | -43.6     | 52.6    | 236       |
| 240.3      | 217.5      | 223.8      | 0.0     | 0.875   | 1.0     | 55.2               | -25.0   | -43.9     | 50.5    | 240.3               | 0.0     | 0.883     | 1.0     | 55.5                | -25.2   | -43.8     | 50.7    | 240       |
| 245.8      | 225.0      | 230.6      | 0.0     | 0.75    | 1.0     | 51.7               | -19.7   | -44.1     | 48.3    | 245.8               | 0.0     | 0.75      | 1.0     | 51.8                | -19.7   | -44.1     | 48.4    | 245       |
| 252.5      | 232.5      | 237.5      | 0.0     | 0.625   | 1.0     | 47.7               | -13.9   | -44.4     | 46.5    | 252.5               | 0.0     | 0.633     | 1.0     | 48.0                | -14.2   | -44.3     | 46.7    | 252       |
| 262.3      | 240.0      | 244.3      | 0.0     | 0.5     | 1.0     | 42.7               | -6.0    | -45.0     | 45.4    | 262.3               | 0.0     | 0.5       | 1.0     | 42.8                | -5.9    | -44.9     | 45.4    | 262       |
| 271.7      | 247.5      | 251.2      | 0.0     | 0.375   | 1.0     | 37.9               | 1.3     | -45.4     | 45.4    | 271.7               | 0.0     | 0.383     | 1.0     | 38.3                | 0.9     | -45.3     | 45.4    | 271       |
| 281.6      | 255.0      | 258.0      | 0.0     | 0.25    | 1.0     | 33.3               | 9.4     | -46.0     | 47.0    | 281.6               | 0.0     | 0.25      | 1.0     | 33.3                | 9.5     | -45.9     | 47.0    | 281       |
| 290.3      | 262.5      | 264.8      | 0.0     | 0.125   | 1.0     | 28.6               | 17.4    | -46.9     | 50.1    | 290.3               | 0.0     | 0.133     | 1.0     | 28.9                | 16.9    | -46.9     | 49.9    | 289       |
| 296.4      | 270.0      | 271.7      | 0.0     | 0.0     | 1.0     | 25.3               | 23.5    | -47.3     | 52.8    | 296.4               | 0.0     | 0.0       | 1.0     | 25.3                | 23.5    | -47.3     | 52.9    | 296       |
| 306.7      | 277.5      | 278.8      | 0.125   | 0.0     | 1.0     | 29.3               | 31.8    | -42.6     | 53.1    | 306.7               | 0.117   | 0.0       | 1.0     | 29.1                | 31.3    | -42.9     | 53.1    | 306       |
| 312.7      | 285.0      | 285.9      | 0.25    | 0.0     | 1.0     | 31.5               | 36.2    | -39.2     | 53.4    | 312.7               | 0.25    | 0.0       | 1.0     | 31.6                | 36.3    | -39.1     | 53.4    | 312       |
| 326.7      | 292.5      | 293.0      | 0.375   | 0.0     | 1.0     | 33.8               | 47.6    | -31.2     | 56.9    | 326.7               | 0.367   | 0.0       | 1.0     | 33.7                | 46.9    | -31.8     | 56.7    | 325       |
| 333.9      | 300.0      | 300.1      | 0.5     | 0.0     | 1.0     | 37.8               | 53.8    | -26.3     | 59.9    | 333.9               | 0.5     | 0.0       | 1.0     | 37.9                | 53.8    | -26.3     | 59.9    | 333       |
| 339.6      | 307.5      | 307.2      | 0.625   | 0.0     | 1.0     | 40.9               | 58.8    | -21.8     | 62.7    | 339.6               | 0.617   | 0.0       | 1.0     | 40.8                | 58.5    | -22.1     | 62.6    | 339       |
| 347.2      | 315.0      | 314.3      | 0.75    | 0.0     | 1.0     | 43.1               | 65.9    | -14.9     | 67.6    | 347.2               | 0.75    | 0.0       | 1.0     | 43.1                | 66.0    | -14.9     | 67.6    | 347       |
| 350.2      | 322.5      | 321.4      | 0.875   | 0.0     | 1.0     | 45.9               | 69.4    | -11.9     | 70.5    | 350.2               | 0.867   | 0.0       | 1.0     | 45.8                | 69.3    | -12.0     | 70.3    | 350       |
| 353.3      | 330.0      | 328.6      | 1.0     | 0.0     | 1.0     | 48.2               | 72.8    | -8.5      | 73.3    | 353.3               | 1.0     | 0.0       | 1.0     | 48.3                | 72.9    | -8.5      | 73.4    | 353       |
| 356.5      | 337.5      | 335.7      | 1.0     | 0.0     | 0.875   | 48.2               | 71.6    | -4.3      | 71.7    | 356.5               | 1.0     | 0.0       | 0.883   | 48.3                | 71.7    | -4.5      | 71.9    | 356       |
| 360.3      | 345.0      | 342.8      | 1.0     | 0.0     | 0.75    | 48.1               | 70.4    | 0.3       | 70.4    | 360.3               | 1.0     | 0.0       | 0.75    | 48.2                | 70.5    | 0.4       | 70.5    | 360       |
| 365.8      | 352.5      | 349.9      | 1.0     | 0.0     | 0.625   | 48.0               | 68.9    | 7.1       | 69.3    | 365.8               | 1.0     | 0.0       | 0.633   | 48.1                | 69.1    | 6.7       | 69.4    | 365       |
| 371.6      | 360.0      | 357.0      | 1.0     | 0.0     | 0.5     | 47.7               | 67.7    | 14.0      | 69.1    | 371.6               | 1.0     | 0.0       | 0.5     | 47.8                | 67.7    | 14.0      | 69.2    | 371       |
| 378.2      | 367.5      | 364.1      | 1.0     | 0.0     | 0.375   | 47.7               | 66.1    | 21.8      | 69.6    | 378.2               | 1.0     | 0.0       | 0.383   | 47.8                | 66.3    | 21.3      | 69.7    | 377       |
| 383.9      | 375.0      | 371.2      | 1.0     | 0.0     | 0.25    | 47.7               | 65.0    | 28.9      | 71.2    | 383.9               | 1.0     | 0.0       | 0.25    | 47.7                | 65.1    | 28.9      | 71.2    | 383       |
| 388.6      | 382.5      | 378.3      | 1.0     | 0.0     | 0.125   | 47.4               | 64.4    | 35.1      | 73.4    | 388.6               | 1.0     | 0.0       | 0.133   | 47.5                | 64.5    | 34.8      | 73.3    | 388       |
| 392.8      | 390.0      | 385.4      | 1.0     | 0.0     | 0.0     | 47.3               | 63.8    | 41.2      | 76.0    | 392.8               | 1.0     | 0.0       | 0.0     | 47.4                | 63.9    | 41.2      | 76.0    | 392       |

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QG950-73

LAB\*la0, YN=0%, XYZnw=2.4, 2.5, 2.6, 85.1, 88.8, 104.3, LAB\*nw=17.7, 0.0, 0.0, 95.5, 0.0, 0.0

Ausgabe: Offset-Normdruck; Separation cmyn6\*, D65, Seite 8/33

TUB-Prüfvorlage QG95; Bunttoncode: H\*e=G50Be  
48-stufige Farbkreise;  $rgb$ - $LabCh$ -Tabellen

Eingabe:  $rgb/cmyk \rightarrow rgb_{de}$   
Ausgabe: 3D-Linearisierung  $cmyk^*_{de}$

TUB-Registrierung: 20130201-QG95/QG95L0FP.PDF /.PS  
Anwendung für Messung von Offsetdruck-Ausgabe, Separation cmyn6\* (CMYK)  
TUB-Material: Code=rh4ta

Daten der Maximalfarbe M im Farbmetrik-System Offset-Normdruck; Separation cmyn6\*, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben RYGBM<sub>s</sub>:  $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;  
Sechs Bunttonwinkel der Gerätefarben RYGBM<sub>d</sub>:  $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$ ; Sechs Bunttonwinkel der Elementarfarben RYGBM<sub>e</sub>:  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

| $h_{ab,d}$ | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{dd64M}$ | $LAB^*_{ddx64M} (x=LabCh)$ | $rgb^*_{dex361M}$ | $LAB^*_{dex361M}$ | $rgb^*_{dd}$ | $rgb^*_{ds}$ | $rgb^*_{de}$ |       |
|------------|------------|------------|-----------------|----------------------------|-------------------|-------------------|--------------|--------------|--------------|-------|
| 32.8       | 30.0       | 25.4       | 1.0             | 0.0                        | 0.0               | 47.3              | 63.8         | 41.2         | 76.0         | 32.8  |
| 40.4       | 37.5       | 33.8       | 1.0             | 0.125                      | 0.0               | 51.2              | 54.9         | 46.7         | 72.1         | 40.4  |
| 50.0       | 45.0       | 42.1       | 1.0             | 0.25                       | 0.0               | 56.0              | 44.4         | 53.0         | 69.1         | 50.0  |
| 61.1       | 52.5       | 50.5       | 1.0             | 0.375                      | 0.0               | 61.4              | 33.2         | 60.3         | 68.8         | 61.1  |
| 71.4       | 60.0       | 58.8       | 1.0             | 0.5                        | 0.0               | 67.2              | 22.6         | 67.6         | 71.2         | 71.4  |
| 81.7       | 67.5       | 67.2       | 1.0             | 0.625                      | 0.0               | 73.6              | 11.0         | 76.1         | 76.9         | 81.7  |
| 88.5       | 75.0       | 75.6       | 1.0             | 0.75                       | 0.0               | 79.2              | 2.0          | 83.0         | 83.1         | 88.5  |
| 93.6       | 82.5       | 83.9       | 1.0             | 0.875                      | 0.0               | 84.2              | -5.7         | 89.4         | 89.6         | 93.6  |
| 97.1       | 90.0       | 92.3       | 1.0             | 1.0                        | 0.0               | 88.3              | -11.9        | 95.1         | 95.8         | 97.1  |
| 100.3      | 97.5       | 101.0      | 0.875           | 1.0                        | 0.0               | 85.8              | -16.2        | 88.6         | 90.0         | 100.3 |
| 103.3      | 105.0      | 109.7      | 0.75            | 1.0                        | 0.0               | 82.9              | -19.7        | 83.0         | 85.3         | 103.3 |
| 108.3      | 112.5      | 118.5      | 0.625           | 1.0                        | 0.0               | 77.0              | -25.2        | 76.3         | 80.4         | 108.3 |
| 115.3      | 120.0      | 127.2      | 0.5             | 1.0                        | 0.0               | 72.7              | -31.3        | 66.0         | 73.1         | 115.3 |
| 122.4      | 127.5      | 136.0      | 0.375           | 1.0                        | 0.0               | 68.9              | -36.9        | 58.1         | 68.8         | 122.4 |
| 134.9      | 135.0      | 144.7      | 0.25            | 1.0                        | 0.0               | 60.8              | -47.8        | 47.8         | 67.6         | 134.9 |
| 144.6      | 142.5      | 153.4      | 0.125           | 1.0                        | 0.0               | 57.4              | -54.9        | 38.9         | 67.3         | 144.6 |
| 157.7      | 150.0      | 162.2      | 0.0             | 1.0                        | 0.0               | 51.9              | -68.8        | 28.1         | 74.3         | 157.7 |
| 163.7      | 157.5      | 169.0      | 0.0             | 1.0                        | 0.125             | 52.5              | -66.4        | 19.3         | 69.1         | 163.7 |
| 170.9      | 165.0      | 175.9      | 0.0             | 1.0                        | 0.25              | 53.2              | -61.9        | 9.8          | 62.7         | 170.9 |
| 181.0      | 172.5      | 182.7      | 0.0             | 1.0                        | 0.375             | 54.1              | -56.9        | -1.0         | 56.9         | 181.0 |
| 193.5      | 180.0      | 189.6      | 0.0             | 1.0                        | 0.5               | 54.8              | -51.0        | -12.3        | 52.5         | 193.5 |
| 205.9      | 187.5      | 196.4      | 0.0             | 1.0                        | 0.625             | 55.8              | -45.1        | -21.9        | 50.1         | 205.9 |
| 218.4      | 195.0      | 203.2      | 0.0             | 1.0                        | 0.75              | 56.7              | -38.9        | -30.9        | 49.7         | 218.4 |
| 227.3      | 202.5      | 210.1      | 0.0             | 1.0                        | 0.875             | 57.5              | -34.3        | -37.2        | 50.6         | 227.3 |
| 236.1      | 210.0      | 216.9      | 0.0             | 1.0                        | 1.0               | 58.3              | -29.2        | -43.7        | 52.6         | 236.1 |
| 240.3      | 217.5      | 223.8      | 0.0             | 0.875                      | 1.0               | 55.2              | -25.0        | -43.9        | 50.5         | 240.3 |
| 245.8      | 225.0      | 230.6      | 0.0             | 0.75                       | 1.0               | 51.7              | -19.7        | -44.1        | 48.3         | 245.8 |
| 252.5      | 232.5      | 237.5      | 0.0             | 0.625                      | 1.0               | 47.7              | -13.9        | -44.4        | 46.5         | 252.5 |
| 262.3      | 240.0      | 244.3      | 0.0             | 0.5                        | 1.0               | 42.7              | -6.0         | -45.0        | 45.4         | 262.3 |
| 271.7      | 247.5      | 251.2      | 0.0             | 0.375                      | 1.0               | 37.9              | 1.3          | -45.4        | 45.4         | 271.7 |
| 281.6      | 255.0      | 258.0      | 0.0             | 0.25                       | 1.0               | 33.3              | 9.4          | -46.0        | 47.0         | 281.6 |
| 290.3      | 262.5      | 264.8      | 0.0             | 0.125                      | 1.0               | 28.6              | 17.4         | -46.9        | 50.1         | 290.3 |
| 296.4      | 270.0      | 271.7      | 0.0             | 0.0                        | 1.0               | 25.3              | 23.5         | -47.3        | 52.8         | 296.4 |
| 306.7      | 277.5      | 278.8      | 0.125           | 0.0                        | 1.0               | 29.3              | 31.8         | -42.6        | 53.1         | 306.7 |
| 312.7      | 285.0      | 285.9      | 0.25            | 0.0                        | 1.0               | 31.5              | 36.2         | -39.2        | 53.4         | 312.7 |
| 326.7      | 292.5      | 293.0      | 0.375           | 0.0                        | 1.0               | 33.8              | 47.6         | -31.2        | 56.9         | 326.7 |
| 333.9      | 300.0      | 300.1      | 0.5             | 0.0                        | 1.0               | 37.8              | 53.8         | -26.3        | 59.9         | 333.9 |
| 339.6      | 307.5      | 307.2      | 0.625           | 0.0                        | 1.0               | 40.9              | 58.8         | -21.8        | 62.7         | 339.6 |
| 347.2      | 315.0      | 314.3      | 0.75            | 0.0                        | 1.0               | 43.1              | 65.9         | -14.9        | 67.6         | 347.2 |
| 350.2      | 322.5      | 321.4      | 0.875           | 0.0                        | 1.0               | 45.9              | 69.4         | -11.9        | 70.5         | 350.2 |
| 353.3      | 330.0      | 328.6      | 1.0             | 0.0                        | 1.0               | 48.2              | 72.8         | -8.5         | 73.3         | 353.3 |
| 356.5      | 337.5      | 335.7      | 1.0             | 0.0                        | 0.875             | 48.2              | 71.6         | -4.3         | 71.7         | 356.5 |
| 360.3      | 345.0      | 342.8      | 1.0             | 0.0                        | 0.75              | 48.1              | 70.4         | 0.3          | 70.4         | 360.3 |
| 365.8      | 352.5      | 349.9      | 1.0             | 0.0                        | 0.625             | 48.0              | 68.9         | 7.1          | 69.3         | 365.8 |
| 371.6      | 360.0      | 357.0      | 1.0             | 0.0                        | 0.5               | 47.7              | 67.7         | 14.0         | 69.1         | 371.6 |
| 378.2      | 367.5      | 364.1      | 1.0             | 0.0                        | 0.375             | 47.7              | 66.1         | 21.8         | 69.6         | 378.2 |
| 383.9      | 375.0      | 371.2      | 1.0             | 0.0                        | 0.25              | 47.7              | 65.0         | 28.9         | 71.2         | 383.9 |
| 388.6      | 382.5      | 378.3      | 1.0             | 0.0                        | 0.125             | 47.4              | 64.4         | 35.1         | 73.4         | 388.6 |
| 392.8      | 390.0      | 385.4      | 1.0             | 0.0                        | 0.0               | 47.3              | 63.8         | 41.2         | 76.0         | 392.8 |

0-113830-L0 QG950-73 LAB\*la0, YN=0%, XYZnw=2.4, 2.5, 2.6, 85.1, 88.8, 104.3, LAB\*nw=17.7, 0.0, 0.0, 95.5, 0.0, 0.0

TUB-Prüfvorlage QG95; Bunttoncode:  $H^*_e = G50B_e$   
48-stufige Farbkreise;  $rgb-LabCh^*$ -Tabellen

Eingabe:  $rgb/cmyk \rightarrow rgb_{de}$   
Ausgabe: 3D-Linearisierung  $cmyk^*_{de}$

Ausgabe: Offset-Normdruck; Separation cmyn6\*, D65, Seite 9/33

TUB-Registrierung: 20130201-QG95/QG95L0FP.PDF /.PS  
Anwendung für Messung von Offsetdruck-Ausgabe, Separation cmyn6\* (CMYK)  
TUB-Material: Code=rha4ta

Daten der Maximalfarbe M im Farbmetrik-System Offset-Normdruck; Separation cmy6\*, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben RYGBM<sub>s</sub>:  $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;  
Sechs Bunttonwinkel der Gerätefarben RYGBM<sub>d</sub>:  $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$ ; Sechs Bunttonwinkel der Elementarfarben RYGBM<sub>e</sub>:  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

| $h_{ab,d}$ | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{dd361M}$ | $LAB^*_{dd361M}(x=LabCh)$ | $R_d$ | $rgb^*_{ds361Mi}$ | $LAB^*_{ds361Mi}(x=LabCh)$ | $rgb^*_{dd361Mi}$ | $LAB^*_{de361Mi}$ | $R_e$ | $rgb^*_{dd361Mi}$ | $LAB^*_{de361Mi}(x=LabCh)$ | $rgb^*_{dd361Mi}$ | $rgb^*_{dd}$ | $rgb^*_{ds}$ | $rgb^*_{de}$ |
|------------|------------|------------|------------------|---------------------------|-------|-------------------|----------------------------|-------------------|-------------------|-------|-------------------|----------------------------|-------------------|--------------|--------------|--------------|
| 32         | 30         | 25         | 1.0              | 0.0                       | 0.0   | 47.3              | 63.8                       | 41.2              | 76.0              | 32    | 1.0               | 0.0                        | 0.0               | 1.0          | 0.0          | 0.0          |
| 33         | 31         | 26         | 1.0              | 0.016                     | 0.0   | 47.8              | 62.7                       | 42.0              | 75.4              | 33    | 1.0               | 0.0                        | 0.017             | 1.0          | 0.0          | 0.017        |
| 34         | 32         | 27         | 1.0              | 0.033                     | 0.0   | 48.3              | 61.5                       | 42.8              | 74.9              | 34    | 1.0               | 0.0                        | 0.033             | 1.0          | 0.0          | 0.033        |
| 35         | 33         | 28         | 1.0              | 0.05                      | 0.0   | 48.9              | 60.3                       | 43.6              | 74.4              | 35    | 1.0               | 0.0                        | 0.05              | 1.0          | 0.0          | 0.05         |
| 36         | 34         | 29         | 1.0              | 0.066                     | 0.0   | 49.4              | 59.1                       | 44.3              | 73.9              | 36    | 1.0               | 0.0                        | 0.067             | 1.0          | 0.0          | 0.067        |
| 37         | 35         | 31         | 1.0              | 0.083                     | 0.0   | 49.9              | 57.9                       | 45.1              | 73.4              | 37    | 1.0               | 0.0                        | 0.083             | 1.0          | 0.0          | 0.083        |
| 38         | 36         | 32         | 1.0              | 0.1                       | 0.0   | 50.4              | 56.7                       | 45.7              | 72.9              | 38    | 1.0               | 0.0                        | 0.1               | 1.0          | 0.1          | 0.1          |
| 39         | 37         | 33         | 1.0              | 0.116                     | 0.0   | 50.9              | 55.5                       | 46.4              | 72.3              | 39    | 1.0               | 0.0                        | 0.117             | 1.0          | 0.117        | 0.117        |
| 41         | 38         | 34         | 1.0              | 0.133                     | 0.0   | 51.5              | 54.2                       | 47.2              | 71.9              | 41    | 1.0               | 0.0                        | 0.133             | 1.0          | 0.133        | 0.133        |
| 42         | 39         | 35         | 1.0              | 0.15                      | 0.0   | 52.1              | 52.8                       | 48.1              | 71.5              | 42    | 1.0               | 0.0                        | 0.15              | 1.0          | 0.15         | 0.15         |
| 43         | 40         | 36         | 1.0              | 0.166                     | 0.0   | 52.8              | 51.4                       | 49.0              | 71.1              | 43    | 1.0               | 0.0                        | 0.167             | 1.0          | 0.167        | 0.167        |
| 44         | 41         | 37         | 1.0              | 0.183                     | 0.0   | 53.4              | 50.1                       | 49.9              | 70.7              | 44    | 1.0               | 0.0                        | 0.183             | 1.0          | 0.183        | 0.183        |
| 46         | 42         | 38         | 1.0              | 0.2                       | 0.0   | 54.1              | 48.7                       | 50.7              | 70.3              | 46    | 1.0               | 0.0                        | 0.2               | 1.0          | 0.2          | 0.2          |
| 47         | 43         | 39         | 1.0              | 0.216                     | 0.0   | 54.7              | 47.3                       | 51.5              | 69.9              | 47    | 1.0               | 0.0                        | 0.217             | 1.0          | 0.217        | 0.217        |
| 48         | 44         | 41         | 1.0              | 0.233                     | 0.0   | 55.3              | 45.8                       | 52.2              | 69.5              | 48    | 1.0               | 0.0                        | 0.233             | 1.0          | 0.233        | 0.233        |
| 50         | 45         | 42         | 1.0              | 0.25                      | 0.0   | 56.0              | 44.4                       | 53.0              | 69.1              | 50    | 1.0               | 0.0                        | 0.25              | 1.0          | 0.25         | 0.25         |
| 51         | 46         | 43         | 1.0              | 0.266                     | 0.0   | 56.7              | 43.0                       | 54.1              | 69.1              | 51    | 1.0               | 0.0                        | 0.267             | 1.0          | 0.267        | 0.267        |
| 52         | 47         | 44         | 1.0              | 0.283                     | 0.0   | 57.4              | 41.5                       | 55.1              | 69.1              | 52    | 1.0               | 0.0                        | 0.283             | 1.0          | 0.283        | 0.283        |
| 54         | 48         | 45         | 1.0              | 0.3                       | 0.0   | 58.2              | 40.1                       | 56.2              | 69.0              | 54    | 1.0               | 0.0                        | 0.3               | 1.0          | 0.3          | 0.3          |
| 55         | 49         | 46         | 1.0              | 0.316                     | 0.0   | 58.9              | 38.6                       | 57.1              | 69.0              | 55    | 1.0               | 0.0                        | 0.317             | 1.0          | 0.317        | 0.317        |
| 57         | 50         | 47         | 1.0              | 0.333                     | 0.0   | 59.6              | 37.1                       | 58.1              | 69.0              | 57    | 1.0               | 0.0                        | 0.333             | 1.0          | 0.333        | 0.333        |
| 58         | 51         | 48         | 1.0              | 0.35                      | 0.0   | 60.3              | 35.5                       | 59.0              | 68.9              | 58    | 1.0               | 0.0                        | 0.35              | 1.0          | 0.35         | 0.35         |
| 60         | 52         | 49         | 1.0              | 0.366                     | 0.0   | 61.0              | 34.0                       | 59.9              | 68.9              | 60    | 1.0               | 0.0                        | 0.367             | 1.0          | 0.367        | 0.367        |
| 61         | 53         | 51         | 1.0              | 0.383                     | 0.0   | 61.8              | 32.5                       | 60.8              | 69.0              | 61    | 1.0               | 0.0                        | 0.383             | 1.0          | 0.383        | 0.383        |
| 63         | 54         | 52         | 1.0              | 0.4                       | 0.0   | 62.5              | 31.2                       | 61.9              | 69.3              | 63    | 1.0               | 0.0                        | 0.4               | 1.0          | 0.4          | 0.4          |
| 64         | 55         | 53         | 1.0              | 0.416                     | 0.0   | 63.3              | 29.8                       | 62.9              | 69.6              | 64    | 1.0               | 0.0                        | 0.417             | 1.0          | 0.417        | 0.417        |
| 65         | 56         | 54         | 1.0              | 0.433                     | 0.0   | 64.1              | 28.4                       | 63.9              | 70.0              | 65    | 1.0               | 0.0                        | 0.433             | 1.0          | 0.433        | 0.433        |
| 67         | 57         | 55         | 1.0              | 0.45                      | 0.0   | 64.9              | 27.0                       | 64.9              | 70.3              | 67    | 1.0               | 0.0                        | 0.45              | 1.0          | 0.45         | 0.45         |
| 68         | 58         | 56         | 1.0              | 0.466                     | 0.0   | 65.6              | 25.6                       | 65.8              | 70.6              | 68    | 1.0               | 0.0                        | 0.467             | 1.0          | 0.467        | 0.467        |
| 70         | 59         | 57         | 1.0              | 0.483                     | 0.0   | 66.4              | 24.1                       | 66.7              | 70.9              | 70    | 1.0               | 0.0                        | 0.483             | 1.0          | 0.483        | 0.483        |
| 71         | 60         | 58         | 1.0              | 0.5                       | 0.0   | 67.2              | 22.6                       | 67.6              | 71.2              | 71    | 1.0               | 0.0                        | 0.5               | 1.0          | 0.5          | 0.5          |
| 72         | 61         | 60         | 1.0              | 0.516                     | 0.0   | 68.0              | 21.2                       | 68.8              | 72.0              | 72    | 1.0               | 0.0                        | 0.517             | 1.0          | 0.517        | 0.517        |
| 74         | 62         | 61         | 1.0              | 0.533                     | 0.0   | 68.9              | 19.7                       | 70.0              | 72.8              | 74    | 1.0               | 0.0                        | 0.533             | 1.0          | 0.533        | 0.533        |
| 75         | 63         | 62         | 1.0              | 0.55                      | 0.0   | 69.7              | 18.2                       | 71.2              | 73.5              | 75    | 1.0               | 0.0                        | 0.55              | 1.0          | 0.55         | 0.55         |
| 76         | 64         | 63         | 1.0              | 0.566                     | 0.0   | 70.6              | 16.7                       | 72.4              | 74.3              | 76    | 1.0               | 0.0                        | 0.567             | 1.0          | 0.567        | 0.567        |
| 78         | 65         | 64         | 1.0              | 0.583                     | 0.0   | 71.5              | 15.1                       | 73.5              | 75.0              | 78    | 1.0               | 0.0                        | 0.583             | 1.0          | 0.583        | 0.583        |
| 79         | 66         | 65         | 1.0              | 0.6                       | 0.0   | 72.3              | 13.5                       | 74.6              | 75.8              | 79    | 1.0               | 0.0                        | 0.6               | 1.0          | 0.6          | 0.6          |
| 81         | 67         | 66         | 1.0              | 0.616                     | 0.0   | 73.2              | 11.8                       | 75.6              | 76.6              | 81    | 1.0               | 0.0                        | 0.617             | 1.0          | 0.617        | 0.617        |
| 82         | 68         | 67         | 1.0              | 0.633                     | 0.0   | 74.0              | 10.4                       | 76.6              | 77.3              | 82    | 1.0               | 0.0                        | 0.633             | 1.0          | 0.633        | 0.633        |
| 83         | 69         | 68         | 1.0              | 0.65                      | 0.0   | 74.7              | 9.3                        | 77.6              | 78.2              | 83    | 1.0               | 0.0                        | 0.65              | 1.0          | 0.65         | 0.65         |
| 84         | 70         | 70         | 1.0              | 0.666                     | 0.0   | 75.5              | 8.2                        | 78.6              | 79.0              | 84    | 1.0               | 0.0                        | 0.667             | 1.0          | 0.667        | 0.667        |
| 84         | 71         | 71         | 1.0              | 0.683                     | 0.0   | 76.2              | 7.0                        | 79.5              | 79.8              | 84    | 1.0               | 0.0                        | 0.683             | 1.0          | 0.683        | 0.683        |
| 85         | 72         | 72         | 1.0              | 0.7                       | 0.0   | 77.0              | 5.8                        | 80.4              | 80.6              | 85    | 1.0               | 0.0                        | 0.7               | 1.0          | 0.7          | 0.7          |
| 86         | 73         | 73         | 1.0              | 0.716                     | 0.0   | 77.7              | 4.5                        | 81.3              | 81.4              | 86    | 1.0               | 0.0                        | 0.717             | 1.0          | 0.717        | 0.717        |
| 87         | 74         | 74         | 1.0              | 0.733                     | 0.0   | 78.5              | 3.3                        | 82.2              | 82.3              | 87    | 1.0               | 0.0                        | 0.733             | 1.0          | 0.733        | 0.733        |
| 88         | 75         | 75         | 1.0              | 0.75                      | 0.0   | 79.2              | 2.0                        | 83.0              | 83.1              | 88    | 1.0               | 0.0                        | 0.75              | 1.0          | 0.75         | 0.75         |

0-113930-L0 QG950-73 LAB\*la0, YN=0%, XYZnw=2.4, 2.5, 2.6, 85.1, 88.8, 104.3, LAB\*nw=17.7, 0.0, 0.0, 95.5, 0.0, 0.0

Ausgabe: Offset-Normdruck; Separation cmy6\*, D65, Seite 10/33

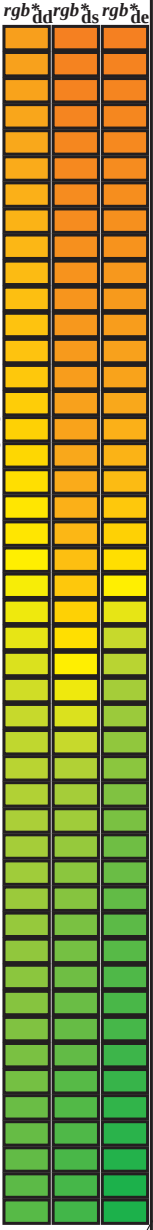
TUB-Prüfvorlage QG95; Bunttoncode:  $H^*_e=G50B_e$   
48-stufige Farbkreise;  $rgb-LabCh^*$ -Tabellen

Eingabe:  $rgb/cmyk \rightarrow rgb_{de}$   
Ausgabe: 3D-Linearisierung  $cmyk^*_{de}$

Siehe ähnliche Dateien: <http://130.149.60.45/~farbmetrik/QG95/QG95L0FP.PDF> / .PS  
Technische Information: <http://www.ps.bam.de> oder <http://130.149.60.45/~farbmetrik>

Daten der Maximalfarbe M im Farbmetrik-System Offset-Normdruck; Separation cmyn6\*, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben RYGBM<sub>s</sub>:  $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;  
Sechs Bunttonwinkel der Gerätefarben RYGBM<sub>d</sub>:  $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$ ; Sechs Bunttonwinkel der Elementarfarben RYGBM<sub>e</sub>:  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

| $h_{ab,d}$ | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{dd361M}$ | $LAB^*_{ddx361Mi}(x=LabCh)$ | $rgb^*_{ds361Mi}$ | $LAB^*_{dsx361Mi}(x=LabCh)$ | $rgb^*_{dd361Mi}$ | $LAB^*_{de361Mi}$ | $rgb^*_{dex361Mi}(x=LabCh)$ | $rgb^*_{dd361Mi}$ |
|------------|------------|------------|------------------|-----------------------------|-------------------|-----------------------------|-------------------|-------------------|-----------------------------|-------------------|
| 88         | 75         | 75         | 1.0              | 0.75 0.0                    | 79.2              | 2.0                         | 83.0              | 83.1              | 88                          | 88                |
| 89         | 76         | 76         | 1.0              | 0.766 0.0                   | 79.9              | 1.0                         | 83.9              | 83.9              | 89                          | 89                |
| 89         | 77         | 77         | 1.0              | 0.783 0.0                   | 80.6              | 0.0                         | 84.8              | 84.8              | 89                          | 89                |
| 90         | 78         | 78         | 1.0              | 0.8 0.0                     | 81.2              | -0.9                        | 85.7              | 85.7              | 90                          | 90                |
| 91         | 79         | 80         | 1.0              | 0.816 0.0                   | 81.9              | -1.9                        | 86.5              | 86.5              | 91                          | 91                |
| 91         | 80         | 81         | 1.0              | 0.833 0.0                   | 82.6              | -3.0                        | 87.4              | 87.4              | 91                          | 91                |
| 92         | 81         | 82         | 1.0              | 0.85 0.0                    | 83.2              | -4.0                        | 88.2              | 88.3              | 92                          | 92                |
| 93         | 82         | 83         | 1.0              | 0.866 0.0                   | 83.9              | -5.1                        | 89.0              | 89.2              | 93                          | 93                |
| 93         | 83         | 84         | 1.0              | 0.883 0.0                   | 84.5              | -6.1                        | 89.8              | 90.0              | 93                          | 93                |
| 94         | 84         | 85         | 1.0              | 0.9 0.0                     | 85.1              | -6.9                        | 90.6              | 90.8              | 94                          | 94                |
| 94         | 85         | 86         | 1.0              | 0.916 0.0                   | 85.6              | -7.7                        | 91.3              | 91.7              | 94                          | 94                |
| 95         | 86         | 87         | 1.0              | 0.933 0.0                   | 86.1              | -8.5                        | 92.1              | 92.5              | 95                          | 95                |
| 95         | 87         | 88         | 1.0              | 0.95 0.0                    | 86.7              | -9.3                        | 92.9              | 93.3              | 95                          | 95                |
| 96         | 88         | 90         | 1.0              | 0.966 0.0                   | 87.2              | -10.2                       | 93.6              | 94.2              | 96                          | 96                |
| 96         | 89         | 91         | 1.0              | 0.983 0.0                   | 87.8              | -11.1                       | 94.3              | 95.0              | 96                          | 96                |
| 97         | 90         | 92         | 1.0              | 1.0 0.0                     | 88.3              | -11.9                       | 95.1              | 95.8              | 97                          | 97                |
| 97         | 91         | 93         | 0.983            | 1.0 0.0                     | 88.0              | -12.5                       | 94.2              | 95.1              | 97                          | 97                |
| 98         | 92         | 94         | 0.966            | 1.0 0.0                     | 87.7              | -13.1                       | 93.4              | 94.3              | 98                          | 98                |
| 98         | 93         | 95         | 0.95             | 1.0 0.0                     | 87.3              | -13.7                       | 92.5              | 93.5              | 98                          | 98                |
| 98         | 94         | 96         | 0.933            | 1.0 0.0                     | 87.0              | -14.3                       | 91.6              | 92.7              | 98                          | 98                |
| 99         | 95         | 98         | 0.916            | 1.0 0.0                     | 86.6              | -14.8                       | 90.8              | 92.0              | 99                          | 99                |
| 99         | 96         | 99         | 0.9              | 1.0 0.0                     | 86.3              | -15.4                       | 89.9              | 91.2              | 99                          | 99                |
| 100        | 97         | 100        | 0.883            | 1.0 0.0                     | 86.0              | -15.9                       | 89.0              | 90.4              | 100                         | 100               |
| 100        | 98         | 101        | 0.866            | 1.0 0.0                     | 85.6              | -16.4                       | 88.2              | 89.7              | 100                         | 100               |
| 100        | 99         | 102        | 0.85             | 1.0 0.0                     | 85.2              | -16.9                       | 87.4              | 89.1              | 100                         | 100               |
| 101        | 100        | 103        | 0.833            | 1.0 0.0                     | 84.8              | -17.4                       | 86.7              | 88.4              | 101                         | 101               |
| 101        | 101        | 105        | 0.816            | 1.0 0.0                     | 84.5              | -17.9                       | 86.0              | 87.8              | 101                         | 101               |
| 102        | 102        | 106        | 0.8              | 1.0 0.0                     | 84.1              | -18.3                       | 85.2              | 87.2              | 102                         | 102               |
| 102        | 103        | 107        | 0.783            | 1.0 0.0                     | 83.7              | -18.8                       | 84.5              | 86.5              | 102                         | 102               |
| 102        | 104        | 108        | 0.766            | 1.0 0.0                     | 83.3              | -19.2                       | 83.7              | 85.9              | 102                         | 102               |
| 103        | 105        | 109        | 0.75             | 1.0 0.0                     | 82.9              | -19.7                       | 83.0              | 85.3              | 103                         | 103               |
| 104        | 106        | 110        | 0.733            | 1.0 0.0                     | 82.2              | -20.5                       | 82.1              | 84.6              | 104                         | 104               |
| 104        | 107        | 112        | 0.716            | 1.0 0.0                     | 81.4              | -21.3                       | 81.2              | 84.0              | 104                         | 104               |
| 105        | 108        | 113        | 0.7              | 1.0 0.0                     | 80.6              | -22.0                       | 80.3              | 83.3              | 105                         | 105               |
| 106        | 109        | 114        | 0.683            | 1.0 0.0                     | 79.8              | -22.8                       | 79.5              | 82.7              | 106                         | 106               |
| 106        | 110        | 115        | 0.666            | 1.0 0.0                     | 79.0              | -23.5                       | 78.6              | 82.0              | 106                         | 106               |
| 107        | 111        | 116        | 0.65             | 1.0 0.0                     | 78.2              | -24.2                       | 77.7              | 81.4              | 107                         | 107               |
| 107        | 112        | 117        | 0.633            | 1.0 0.0                     | 77.4              | -24.9                       | 76.8              | 80.7              | 107                         | 107               |
| 108        | 113        | 119        | 0.616            | 1.0 0.0                     | 76.8              | -25.7                       | 75.6              | 79.9              | 108                         | 108               |
| 109        | 114        | 120        | 0.6              | 1.0 0.0                     | 76.2              | -26.6                       | 74.3              | 78.9              | 109                         | 109               |
| 110        | 115        | 121        | 0.583            | 1.0 0.0                     | 75.6              | -27.5                       | 72.9              | 78.0              | 110                         | 110               |
| 111        | 116        | 122        | 0.566            | 1.0 0.0                     | 75.0              | -28.3                       | 71.6              | 77.0              | 111                         | 111               |
| 112        | 117        | 123        | 0.55             | 1.0 0.0                     | 74.5              | -29.1                       | 70.2              | 76.0              | 112                         | 112               |
| 113        | 118        | 124        | 0.533            | 1.0 0.0                     | 73.9              | -29.9                       | 68.8              | 75.0              | 113                         | 113               |
| 114        | 119        | 126        | 0.516            | 1.0 0.0                     | 73.3              | -30.6                       | 67.4              | 74.1              | 114                         | 114               |
| 115        | 120        | 127        | 0.5              | 1.0 0.0                     | 72.7              | -31.3                       | 66.0              | 73.1              | 115                         | 115               |



TUB-Registrierung: 20130201-QG95/QG95L0FP.PDF /.PS  
Anwendung für Messung von Offsetdruck-Ausgabe, Separation cmyn6\* (CMYK)  
TUB-Material: Code=rha4ta

Daten der Maximalfarbe M im Farbmetrik-System Offset-Normdruck; Separation cmyn6\*, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben RYGBM<sub>s</sub>:  $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;  
Sechs Bunttonwinkel der Gerätefarben RYGBM<sub>d</sub>:  $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$ ; Sechs Bunttonwinkel der Elementarfarben RYGBM<sub>e</sub>:  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

| Sechs Bunttonwinkel der Gerätefarben RYCCBM <sub>d</sub> : $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$ ; Sechs Bunttonwinkel der Elementarfarben RYCCBM <sub>e</sub> : $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$ |            |            |                  |                             |                   |                             |                   |                   |                              |                   |              |              |              |  |  |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|------------------|-----------------------------|-------------------|-----------------------------|-------------------|-------------------|------------------------------|-------------------|--------------|--------------|--------------|--|--|--|--|--|--|
| $h_{ab,d}$                                                                                                                                                                                                                         | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{dd361M}$ | $LAB^*_{dd361Mi}$ (x=LabCh) | $rgb^*_{ds361Mi}$ | $LAB^*_{ds361Mi}$ (x=LabCh) | $rgb^*_{dd361Mi}$ | $rgb^*_{de361Mi}$ | $LAB^*_{dex361Mi}$ (x=LabCh) | $rgb^*_{dd361Mi}$ | $rgb^*_{dd}$ | $rgb^*_{ds}$ | $rgb^*_{de}$ |  |  |  |  |  |  |
| 115                                                                                                                                                                                                                                | 120        | 127        | 0.5              | 1.0                         | 0.0               | 72.7                        | -31.3             | 66.0              | 73.1                         | 115               |              |              |              |  |  |  |  |  |  |
| 116                                                                                                                                                                                                                                | 121        | 128        | 0.483            | 1.0                         | 0.0               | 72.2                        | -32.1             | 65.0              | 72.5                         | 116               |              |              |              |  |  |  |  |  |  |
| 117                                                                                                                                                                                                                                | 122        | 129        | 0.466            | 1.0                         | 0.0               | 71.7                        | -32.9             | 63.9              | 71.9                         | 117               |              |              |              |  |  |  |  |  |  |
| 118                                                                                                                                                                                                                                | 123        | 130        | 0.45             | 1.0                         | 0.0               | 71.2                        | -33.7             | 62.9              | 71.4                         | 118               |              |              |              |  |  |  |  |  |  |
| 119                                                                                                                                                                                                                                | 124        | 131        | 0.433            | 1.0                         | 0.0               | 70.7                        | -34.5             | 61.8              | 70.8                         | 119               |              |              |              |  |  |  |  |  |  |
| 120                                                                                                                                                                                                                                | 125        | 133        | 0.416            | 1.0                         | 0.0               | 70.2                        | -35.2             | 60.8              | 70.2                         | 120               |              |              |              |  |  |  |  |  |  |
| 121                                                                                                                                                                                                                                | 126        | 134        | 0.4              | 1.0                         | 0.0               | 69.6                        | -35.9             | 59.7              | 69.6                         | 121               |              |              |              |  |  |  |  |  |  |
| 121                                                                                                                                                                                                                                | 127        | 135        | 0.383            | 1.0                         | 0.0               | 69.1                        | -36.5             | 58.6              | 69.1                         | 121               |              |              |              |  |  |  |  |  |  |
| 123                                                                                                                                                                                                                                | 128        | 136        | 0.366            | 1.0                         | 0.0               | 68.3                        | -37.7             | 57.4              | 68.7                         | 123               |              |              |              |  |  |  |  |  |  |
| 124                                                                                                                                                                                                                                | 129        | 137        | 0.35             | 1.0                         | 0.0               | 67.3                        | -39.2             | 56.2              | 68.6                         | 124               |              |              |              |  |  |  |  |  |  |
| 126                                                                                                                                                                                                                                | 130        | 138        | 0.333            | 1.0                         | 0.0               | 66.2                        | -40.8             | 54.9              | 68.4                         | 126               |              |              |              |  |  |  |  |  |  |
| 128                                                                                                                                                                                                                                | 131        | 140        | 0.316            | 1.0                         | 0.0               | 65.1                        | -42.3             | 53.6              | 68.2                         | 128               |              |              |              |  |  |  |  |  |  |
| 129                                                                                                                                                                                                                                | 132        | 141        | 0.3              | 1.0                         | 0.0               | 64.0                        | -43.7             | 52.2              | 68.1                         | 129               |              |              |              |  |  |  |  |  |  |
| 131                                                                                                                                                                                                                                | 133        | 142        | 0.283            | 1.0                         | 0.0               | 63.0                        | -45.1             | 50.8              | 67.9                         | 131               |              |              |              |  |  |  |  |  |  |
| 133                                                                                                                                                                                                                                | 134        | 143        | 0.266            | 1.0                         | 0.0               | 61.9                        | -46.5             | 49.3              | 67.8                         | 133               |              |              |              |  |  |  |  |  |  |
| 134                                                                                                                                                                                                                                | 135        | 144        | 0.25             | 1.0                         | 0.0               | 60.8                        | -47.8             | 47.8              | 67.6                         | 134               |              |              |              |  |  |  |  |  |  |
| 136                                                                                                                                                                                                                                | 136        | 145        | 0.233            | 1.0                         | 0.0               | 60.4                        | -48.8             | 46.7              | 67.6                         | 136               |              |              |              |  |  |  |  |  |  |
| 137                                                                                                                                                                                                                                | 137        | 147        | 0.216            | 1.0                         | 0.0               | 59.9                        | -49.8             | 45.6              | 67.5                         | 137               |              |              |              |  |  |  |  |  |  |
| 138                                                                                                                                                                                                                                | 138        | 148        | 0.2              | 1.0                         | 0.0               | 59.4                        | -50.8             | 44.4              | 67.5                         | 138               |              |              |              |  |  |  |  |  |  |
| 140                                                                                                                                                                                                                                | 139        | 149        | 0.183            | 1.0                         | 0.0               | 59.0                        | -51.8             | 43.2              | 67.4                         | 140               |              |              |              |  |  |  |  |  |  |
| 141                                                                                                                                                                                                                                | 140        | 150        | 0.166            | 1.0                         | 0.0               | 58.5                        | -52.7             | 42.0              | 67.4                         | 141               |              |              |              |  |  |  |  |  |  |
| 142                                                                                                                                                                                                                                | 141        | 151        | 0.15             | 1.0                         | 0.0               | 58.1                        | -53.6             | 40.8              | 67.4                         | 142               |              |              |              |  |  |  |  |  |  |
| 144                                                                                                                                                                                                                                | 142        | 152        | 0.133            | 1.0                         | 0.0               | 57.6                        | -54.5             | 39.5              | 67.3                         | 144               |              |              |              |  |  |  |  |  |  |
| 145                                                                                                                                                                                                                                | 143        | 154        | 0.116            | 1.0                         | 0.0               | 57.0                        | -55.9             | 38.3              | 67.8                         | 145               |              |              |              |  |  |  |  |  |  |
| 147                                                                                                                                                                                                                                | 144        | 155        | 0.1              | 1.0                         | 0.0               | 56.3                        | -57.8             | 37.1              | 68.7                         | 147               |              |              |              |  |  |  |  |  |  |
| 149                                                                                                                                                                                                                                | 145        | 156        | 0.083            | 1.0                         | 0.0               | 55.5                        | -59.7             | 35.8              | 69.6                         | 149               |              |              |              |  |  |  |  |  |  |
| 150                                                                                                                                                                                                                                | 146        | 157        | 0.066            | 1.0                         | 0.0               | 54.8                        | -61.6             | 34.4              | 70.6                         | 150               |              |              |              |  |  |  |  |  |  |
| 152                                                                                                                                                                                                                                | 147        | 158        | 0.049            | 1.0                         | 0.0               | 54.1                        | -63.4             | 32.9              | 71.5                         | 152               |              |              |              |  |  |  |  |  |  |
| 154                                                                                                                                                                                                                                | 148        | 159        | 0.033            | 1.0                         | 0.0               | 53.4                        | -65.3             | 31.4              | 72.4                         | 154               |              |              |              |  |  |  |  |  |  |
| 156                                                                                                                                                                                                                                | 149        | 161        | 0.016            | 1.0                         | 0.0               | 52.6                        | -67.1             | 29.8              | 73.4                         | 156               |              |              |              |  |  |  |  |  |  |
| 157                                                                                                                                                                                                                                | 150        | 162        | 0.0              | 1.0                         | 0.0               | 51.9                        | -68.8             | 28.1              | 74.3                         | 157               | $G_d$        |              |              |  |  |  |  |  |  |
| 158                                                                                                                                                                                                                                | 151        | 163        | 0.0              | 1.0                         | 0.016             | 52.0                        | -68.5             | 26.9              | 73.6                         | 158               |              |              |              |  |  |  |  |  |  |
| 159                                                                                                                                                                                                                                | 152        | 164        | 0.0              | 1.0                         | 0.033             | 52.1                        | -68.3             | 25.7              | 72.9                         | 159               |              |              |              |  |  |  |  |  |  |
| 160                                                                                                                                                                                                                                | 153        | 164        | 0.0              | 1.0                         | 0.05              | 52.2                        | -68.0             | 24.5              | 72.2                         | 160               |              |              |              |  |  |  |  |  |  |
| 160                                                                                                                                                                                                                                | 154        | 165        | 0.0              | 1.0                         | 0.066             | 52.2                        | -67.6             | 23.3              | 71.6                         | 160               |              |              |              |  |  |  |  |  |  |
| 161                                                                                                                                                                                                                                | 155        | 166        | 0.0              | 1.0                         | 0.083             | 52.3                        | -67.3             | 22.1              | 70.9                         | 161               |              |              |              |  |  |  |  |  |  |
| 162                                                                                                                                                                                                                                | 156        | 167        | 0.0              | 1.0                         | 0.1               | 52.4                        | -66.9             | 21.0              | 70.2                         | 162               |              |              |              |  |  |  |  |  |  |
| 163                                                                                                                                                                                                                                | 157        | 168        | 0.0              | 1.0                         | 0.116             | 52.5                        | -66.6             | 19.9              | 69.5                         | 163               |              |              |              |  |  |  |  |  |  |
| 164                                                                                                                                                                                                                                | 158        | 169        | 0.0              | 1.0                         | 0.133             | 52.6                        | -66.1             | 18.6              | 68.7                         | 164               |              |              |              |  |  |  |  |  |  |
| 165                                                                                                                                                                                                                                | 159        | 170        | 0.0              | 1.0                         | 0.15              | 52.7                        | -65.6             | 17.3              | 67.9                         | 165               |              |              |              |  |  |  |  |  |  |
| 166                                                                                                                                                                                                                                | 160        | 171        | 0.0              | 1.0                         | 0.166             | 52.8                        | -65.0             | 16.0              | 67.0                         | 166               |              |              |              |  |  |  |  |  |  |
| 167                                                                                                                                                                                                                                | 161        | 172        | 0.0              | 1.0                         | 0.183             | 52.9                        | -64.5             | 14.7              | 66.1                         | 167               |              |              |              |  |  |  |  |  |  |
| 168                                                                                                                                                                                                                                | 162        | 173        | 0.0              | 1.0                         | 0.2               | 53.0                        | -63.9             | 13.4              | 65.3                         | 168               |              |              |              |  |  |  |  |  |  |
| 169                                                                                                                                                                                                                                | 163        | 174        | 0.0              | 1.0                         | 0.216             | 53.1                        | -63.3             | 12.2              | 64.4                         | 169               |              |              |              |  |  |  |  |  |  |
| 170                                                                                                                                                                                                                                | 164        | 175        | 0.0              | 1.0                         | 0.233             | 53.2                        | -62.6             | 11.0              | 63.6                         | 170               |              |              |              |  |  |  |  |  |  |
| 170                                                                                                                                                                                                                                | 165        | 175        | 0.0              | 1.0                         | 0.25              | 53.2                        | -61.9             | 9.8               | 62.7                         | 170               |              |              |              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                    |            |            |                  |                             |                   |                             |                   |                   |                              |                   | $G_s$        |              |              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                    |            |            |                  |                             |                   |                             |                   |                   |                              |                   |              |              |              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                    |            |            |                  |                             |                   |                             |                   |                   |                              |                   |              |              |              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                    |            |            |                  |                             |                   |                             |                   |                   |                              |                   |              |              |              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                    |            |            |                  |                             |                   |                             |                   |                   |                              |                   |              |              |              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                    |            |            |                  |                             |                   |                             |                   |                   |                              |                   |              |              |              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                    |            |            |                  |                             |                   |                             |                   |                   |                              |                   |              |              |              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                    |            |            |                  |                             |                   |                             |                   |                   |                              |                   |              |              |              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                    |            |            |                  |                             |                   |                             |                   |                   |                              |                   |              |              |              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                    |            |            |                  |                             |                   |                             |                   |                   |                              |                   |              |              |              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                    |            |            |                  |                             |                   |                             |                   |                   |                              |                   |              |              |              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                    |            |            |                  |                             |                   |                             |                   |                   |                              |                   |              |              |              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                    |            |            |                  |                             |                   |                             |                   |                   |                              |                   |              |              |              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                    |            |            |                  |                             |                   |                             |                   |                   |                              |                   |              |              |              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                    |            |            |                  |                             |                   |                             |                   |                   |                              |                   |              |              |              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                    |            |            |                  |                             |                   |                             |                   |                   |                              |                   |              |              |              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                    |            |            |                  |                             |                   |                             |                   |                   |                              |                   |              |              |              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                    |            |            |                  |                             |                   |                             |                   |                   |                              |                   |              |              |              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                    |            |            |                  |                             |                   |                             |                   |                   |                              |                   |              |              |              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                    |            |            |                  |                             |                   |                             |                   |                   |                              |                   |              |              |              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                    |            |            |                  |                             |                   |                             |                   |                   |                              |                   |              |              |              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                    |            |            |                  |                             |                   |                             |                   |                   |                              |                   |              |              |              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                    |            |            |                  |                             |                   |                             |                   |                   |                              |                   |              |              |              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                    |            |            |                  |                             |                   |                             |                   |                   |                              |                   |              |              |              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                    |            |            |                  |                             |                   |                             |                   |                   |                              |                   |              |              |              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                    |            |            |                  |                             |                   |                             |                   |                   |                              |                   |              |              |              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                    |            |            |                  |                             |                   |                             |                   |                   |                              |                   |              |              |              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                    |            |            |                  |                             |                   |                             |                   |                   |                              |                   |              |              |              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                    |            |            |                  |                             |                   |                             |                   |                   |                              |                   |              |              |              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                    |            |            |                  |                             |                   |                             |                   |                   |                              |                   |              |              |              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                    |            |            |                  |                             |                   |                             |                   |                   |                              |                   |              |              |              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                    |            |            |                  |                             |                   |                             |                   |                   |                              |                   |              |              |              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                    |            |            |                  |                             |                   |                             |                   |                   |                              |                   |              |              |              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                    |            |            |                  |                             |                   |                             |                   |                   |                              |                   |              |              |              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                    |            |            |                  |                             |                   |                             |                   |                   |                              |                   |              |              |              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                    |            |            |                  |                             |                   |                             |                   |                   |                              |                   |              |              |              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                    |            |            |                  |                             |                   |                             |                   |                   |                              |                   |              |              |              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                    |            |            |                  |                             |                   |                             |                   |                   |                              |                   |              |              |              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                    |            |            |                  |                             |                   |                             |                   |                   |                              |                   |              |              |              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                    |            |            |                  |                             |                   |                             |                   |                   |                              |                   |              |              |              |  |  |  |  |  |  |
|                                                                                                                                                                                                                                    |            |            |                  |                             |                   |                             |                   |                   |                              |                   |              |              |              |  |  |  |  |  |  |

Daten der Maximalfarbe M im Farbmimetrik-System Offset-Normdruck; Separation cmyn6\*, 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 RYGB <sub>CBM</sub> d: $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$ ; Sechs Bunttonwinkel der Elementarfarben RYGB <sub>CBM</sub> e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$ |            |            |                  |                    |                    |                   |                    |                   |                    |                    |                   |                    |                    |                   |                   |                   |                   |                   |                   |      |             |      |     |     |     |       |      |             |      |     |     |     |       |      |             |      |     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|------------------|--------------------|--------------------|-------------------|--------------------|-------------------|--------------------|--------------------|-------------------|--------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------|-------------|------|-----|-----|-----|-------|------|-------------|------|-----|-----|-----|-------|------|-------------|------|-----|
| $h_{ab,d}$                                                                                                                                                                                                                           | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{dd361M}$ | $LAB^*_{dxx361Mi}$ | $LAB^*_{dxx361Mi}$ | $rgb^*_{ds361Mi}$ | $LAB^*_{dsx361Mi}$ | $rgb^*_{dd361Mi}$ | $LAB^*_{dxx361Mi}$ | $LAB^*_{dsx361Mi}$ | $rgb^*_{dd361Mi}$ | $LAB^*_{dxx361Mi}$ | $LAB^*_{dsx361Mi}$ | $rgb^*_{dd361Mi}$ | $rgb^*_{dd361Mi}$ | $rgb^*_{ds361Mi}$ | $rgb^*_{ds361Mi}$ | $rgb^*_{ds361Mi}$ | $rgb^*_{ds361Mi}$ |      |             |      |     |     |     |       |      |             |      |     |     |     |       |      |             |      |     |
| 170                                                                                                                                                                                                                                  | 165        | 175        | 0.0              | 1.0                | 0.25               | 53.2              | -61.9 9.8          | 62.7              | 170                | 0.0                | 1.0               | 0.147              | 52.7               | -65.7 17.6        | 68.1              | 165               | 0.0               | 1.0               | 0.25              | 53.2 | -61.9 9.8   | 62.7 | 170 | 0.0 | 1.0 | 0.147 | 52.7 | -65.7 17.6  | 68.1 | 165 | 0.0 | 1.0 | 0.25  | 53.2 | -61.9 9.8   | 62.7 | 170 |
| 172                                                                                                                                                                                                                                  | 166        | 176        | 0.0              | 1.0                | 0.266              | 53.4              | -61.4 8.2          | 61.9              | 172                | 0.0                | 1.0               | 0.164              | 52.8               | -65.1 16.3        | 67.2              | 166               | 0.0               | 1.0               | 0.267             | 53.4 | -59.2 3.3   | 59.4 | 176 | 0.0 | 1.0 | 0.267 | 53.4 | -59.2 3.3   | 59.4 | 176 | 0.0 | 1.0 | 0.267 | 53.4 | -59.2 3.3   | 59.4 | 176 |
| 173                                                                                                                                                                                                                                  | 167        | 177        | 0.0              | 1.0                | 0.283              | 53.5              | -60.8 6.7          | 61.2              | 173                | 0.0                | 1.0               | 0.181              | 52.9               | -64.5 14.9        | 66.3              | 167               | 0.0               | 1.0               | 0.283             | 53.5 | -58.7 2.3   | 58.9 | 177 | 0.0 | 1.0 | 0.283 | 53.5 | -58.7 2.3   | 58.9 | 177 | 0.0 | 1.0 | 0.283 | 53.5 | -58.7 2.3   | 58.9 | 177 |
| 175                                                                                                                                                                                                                                  | 168        | 178        | 0.0              | 1.0                | 0.3                | 53.6              | -60.2 5.2          | 60.4              | 175                | 0.0                | 1.0               | 0.198              | 53.0               | -63.9 13.6        | 65.4              | 168               | 0.0               | 1.0               | 0.3               | 53.6 | -58.3 1.4   | 58.4 | 178 | 0.0 | 1.0 | 0.3   | 53.6 | -58.3 1.4   | 58.4 | 178 | 0.0 | 1.0 | 0.3   | 53.6 | -58.3 1.4   | 58.4 | 178 |
| 176                                                                                                                                                                                                                                  | 169        | 179        | 0.0              | 1.0                | 0.316              | 53.7              | -59.5 3.7          | 59.6              | 176                | 0.0                | 1.0               | 0.216              | 53.1               | -63.2 12.3        | 64.5              | 169               | 0.0               | 1.0               | 0.317             | 53.7 | -57.7 0.4   | 57.8 | 179 | 0.0 | 1.0 | 0.317 | 53.7 | -57.7 0.4   | 57.8 | 179 | 0.0 | 1.0 | 0.317 | 53.7 | -57.7 0.4   | 57.8 | 179 |
| 177                                                                                                                                                                                                                                  | 170        | 180        | 0.0              | 1.0                | 0.333              | 53.8              | -58.8 2.3          | 58.9              | 177                | 0.0                | 1.0               | 0.233              | 53.2               | -62.6 11.1        | 63.6              | 170               | 0.0               | 1.0               | 0.333             | 53.8 | -57.2 0.4   | 57.3 | 180 | 0.0 | 1.0 | 0.333 | 53.8 | -57.2 0.4   | 57.3 | 180 | 0.0 | 1.0 | 0.333 | 53.8 | -57.2 0.4   | 57.3 | 180 |
| 179                                                                                                                                                                                                                                  | 171        | 181        | 0.0              | 1.0                | 0.35               | 53.9              | -58.1 0.9          | 58.1              | 179                | 0.0                | 1.0               | 0.25               | 53.3               | -61.9 9.8         | 62.8              | 171               | 0.0               | 1.0               | 0.35              | 53.9 | -56.8 -1.3  | 56.9 | 181 | 0.0 | 1.0 | 0.35  | 53.9 | -56.8 -1.3  | 56.9 | 181 | 0.0 | 1.0 | 0.35  | 53.9 | -56.8 -1.3  | 56.9 | 181 |
| 180                                                                                                                                                                                                                                  | 172        | 182        | 0.0              | 1.0                | 0.366              | 54.0              | -57.3 -0.4         | 57.3              | 180                | 0.0                | 1.0               | 0.263              | 53.4               | -61.5 8.7         | 62.2              | 172               | 0.0               | 1.0               | 0.367             | 54.0 | -56.4 -2.2  | 56.5 | 182 | 0.0 | 1.0 | 0.367 | 54.0 | -56.4 -2.2  | 56.5 | 182 | 0.0 | 1.0 | 0.367 | 54.0 | -56.4 -2.2  | 56.5 | 182 |
| 181                                                                                                                                                                                                                                  | 173        | 183        | 0.0              | 1.0                | 0.383              | 54.1              | -56.6 -1.8         | 56.6              | 181                | 0.0                | 1.0               | 0.275              | 53.5               | -61.1 7.5         | 61.6              | 173               | 0.0               | 1.0               | 0.383             | 54.1 | -56.0 -3.1  | 56.2 | 183 | 0.0 | 1.0 | 0.383 | 54.1 | -56.0 -3.1  | 56.2 | 183 | 0.0 | 1.0 | 0.383 | 54.1 | -56.0 -3.1  | 56.2 | 183 |
| 183                                                                                                                                                                                                                                  | 174        | 184        | 0.0              | 1.0                | 0.4                | 54.2              | -55.9 -3.5         | 56.0              | 183                | 0.0                | 1.0               | 0.287              | 53.5               | -60.6 6.4         | 61.0              | 174               | 0.0               | 1.0               | 0.4               | 54.2 | -55.7 -3.9  | 55.9 | 184 | 0.0 | 1.0 | 0.4   | 54.2 | -55.7 -3.9  | 55.9 | 184 | 0.0 | 1.0 | 0.4   | 54.2 | -55.7 -3.9  | 55.9 | 184 |
| 185                                                                                                                                                                                                                                  | 175        | 185        | 0.0              | 1.0                | 0.416              | 54.3              | -55.2 -5.0         | 55.5              | 185                | 0.0                | 1.0               | 0.3                | 53.6               | -60.1 5.3         | 60.5              | 175               | 0.0               | 1.0               | 0.417             | 54.3 | -55.3 -4.8  | 55.6 | 185 | 0.0 | 1.0 | 0.417 | 54.3 | -55.3 -4.8  | 55.6 | 185 | 0.0 | 1.0 | 0.417 | 54.3 | -55.3 -4.8  | 55.6 | 185 |
| 186                                                                                                                                                                                                                                  | 176        | 186        | 0.0              | 1.0                | 0.433              | 54.4              | -54.5 -6.6         | 54.9              | 186                | 0.0                | 1.0               | 0.312              | 53.7               | -59.6 4.2         | 59.9              | 176               | 0.0               | 1.0               | 0.433             | 54.4 | -54.9 -5.6  | 55.3 | 186 | 0.0 | 1.0 | 0.433 | 54.4 | -54.9 -5.6  | 55.3 | 186 | 0.0 | 1.0 | 0.433 | 54.4 | -54.9 -5.6  | 55.3 | 186 |
| 188                                                                                                                                                                                                                                  | 177        | 186        | 0.0              | 1.0                | 0.45               | 54.5              | -53.7 -8.0         | 54.3              | 188                | 0.0                | 1.0               | 0.324              | 53.8               | -59.1 3.1         | 59.3              | 177               | 0.0               | 1.0               | 0.45              | 54.5 | -54.4 -6.5  | 54.9 | 186 | 0.0 | 1.0 | 0.45  | 54.5 | -54.4 -6.5  | 54.9 | 186 | 0.0 | 1.0 | 0.45  | 54.5 | -54.4 -6.5  | 54.9 | 186 |
| 190                                                                                                                                                                                                                                  | 178        | 187        | 0.0              | 1.0                | 0.466              | 54.6              | -52.8 -9.5         | 53.7              | 190                | 0.0                | 1.0               | 0.337              | 53.9               | -58.6 2.1         | 58.7              | 178               | 0.0               | 1.0               | 0.467             | 54.6 | -54.0 -7.3  | 54.6 | 187 | 0.0 | 1.0 | 0.467 | 54.6 | -54.0 -7.3  | 54.6 | 187 | 0.0 | 1.0 | 0.467 | 54.6 | -54.0 -7.3  | 54.6 | 187 |
| 191                                                                                                                                                                                                                                  | 179        | 188        | 0.0              | 1.0                | 0.483              | 54.7              | -52.0 -10.9        | 53.1              | 191                | 0.0                | 1.0               | 0.349              | 53.9               | -58.1 1.0         | 58.2              | 179               | 0.0               | 1.0               | 0.483             | 54.7 | -53.6 -8.1  | 54.3 | 188 | 0.0 | 1.0 | 0.483 | 54.7 | -53.6 -8.1  | 54.3 | 188 | 0.0 | 1.0 | 0.483 | 54.7 | -53.6 -8.1  | 54.3 | 188 |
| 193                                                                                                                                                                                                                                  | 180        | 189        | 0.0              | 1.0                | 0.5                | 54.8              | -51.0 -12.3        | 52.5              | 193                | 0.0                | 1.0               | 0.362              | 54.0               | -57.5 0.0         | 57.6              | 180               | 0.0               | 1.0               | 0.5               | 54.8 | -53.1 -8.9  | 54.0 | 189 | 0.0 | 1.0 | 0.5   | 54.8 | -53.1 -8.9  | 54.0 | 189 | 0.0 | 1.0 | 0.5   | 54.8 | -53.1 -8.9  | 54.0 | 189 |
| 195                                                                                                                                                                                                                                  | 181        | 190        | 0.0              | 1.0                | 0.516              | 54.9              | -50.4 -13.7        | 52.2              | 195                | 0.0                | 1.0               | 0.374              | 54.1               | -56.9 -0.9        | 57.0              | 181               | 0.0               | 1.0               | 0.517             | 54.9 | -52.6 -9.7  | 53.6 | 190 | 0.0 | 1.0 | 0.517 | 54.9 | -52.6 -9.7  | 53.6 | 190 | 0.0 | 1.0 | 0.517 | 54.9 | -52.6 -9.7  | 53.6 | 190 |
| 196                                                                                                                                                                                                                                  | 182        | 191        | 0.0              | 1.0                | 0.533              | 55.1              | -49.6 -15.0        | 51.9              | 196                | 0.0                | 1.0               | 0.384              | 54.2               | -56.5 -1.9        | 56.7              | 182               | 0.0               | 1.0               | 0.533             | 55.1 | -52.2 -10.5 | 53.3 | 191 | 0.0 | 1.0 | 0.533 | 55.1 | -52.2 -10.5 | 53.3 | 191 | 0.0 | 1.0 | 0.533 | 55.1 | -52.2 -10.5 | 53.3 | 191 |
| 198                                                                                                                                                                                                                                  | 183        | 192        | 0.0              | 1.0                | 0.55               | 55.2              | -48.9 -16.3        | 51.6              | 198                | 0.0                | 1.0               | 0.394              | 54.2               | -56.1 -2.8        | 56.3              | 183               | 0.0               | 1.0               | 0.55              | 55.2 | -51.7 -11.2 | 53.0 | 192 | 0.0 | 1.0 | 0.55  | 55.2 | -51.7 -11.2 | 53.0 | 192 | 0.0 | 1.0 | 0.55  | 55.2 | -51.7 -11.2 | 53.0 | 192 |
| 200                                                                                                                                                                                                                                  | 184        | 193        | 0.0              | 1.0                | 0.566              | 55.3              | -48.1 -17.6        | 51.2              | 200                | 0.0                | 1.0               | 0.404              | 54.3               | -55.7 -3.8        | 55.9              | 184               | 0.0               | 1.0               | 0.567             | 55.3 | -51.2 -12.0 | 52.7 | 193 | 0.0 | 1.0 | 0.567 | 55.3 | -51.2 -12.0 | 52.7 | 193 | 0.0 | 1.0 | 0.567 | 55.3 | -51.2 -12.0 | 52.7 | 193 |
| 201                                                                                                                                                                                                                                  | 185        | 194        | 0.0              | 1.0                | 0.583              | 55.5              | -47.3 -18.9        | 50.9              | 201                | 0.0                | 1.0               | 0.414              | 54.3               | -55.3 -4.7        | 55.6              | 185               | 0.0               | 1.0               | 0.583             | 55.5 | -50.8 -12.7 | 52.5 | 194 | 0.0 | 1.0 | 0.583 | 55.5 | -50.8 -12.7 | 52.5 | 194 | 0.0 | 1.0 | 0.583 | 55.5 | -50.8 -12.7 | 52.5 | 194 |
| 203                                                                                                                                                                                                                                  | 186        | 195        | 0.0              | 1.0                | 0.6                | 55.6              | -46.4 -20.1        | 50.6              | 203                | 0.0                | 1.0               | 0.424              | 54.4               | -54.8 -5.7        | 55.2              | 186               | 0.0               | 1.0               | 0.6               | 55.6 | -50.4 -13.5 | 52.3 | 195 | 0.0 | 1.0 | 0.6   | 55.6 | -50.4 -13.5 | 52.3 | 195 | 0.0 | 1.0 | 0.6   | 55.6 | -50.4 -13.5 | 52.3 | 195 |
| 205                                                                                                                                                                                                                                  | 187        | 195        | 0.0              | 1.0                | 0.616              | 55.7              | -45.5 -21.3        | 50.3              | 205                | 0.0                | 1.0               | 0.434              | 54.5               | -54.4 -6.6        | 54.9              | 187               | 0.0               | 1.0               | 0.617             | 55.7 | -50.0 -14.3 | 52.1 | 195 | 0.0 | 1.0 | 0.617 | 55.7 | -50.0 -14.3 | 52.1 | 195 | 0.0 | 1.0 | 0.617 | 55.7 | -50.0 -14.3 | 52.1 | 195 |
| 206                                                                                                                                                                                                                                  | 188        | 196        | 0.0              | 1.0                | 0.633              | 55.8              | -44.7 -22.5        | 50.1              | 206                | 0.0                | 1.0               | 0.444              | 54.5               | -53.9 -7.5        | 54.5              | 188               | 0.0               | 1.0               | 0.633             | 55.8 | -49.6 -15.0 | 51.9 | 196 | 0.0 | 1.0 | 0.633 | 55.8 | -49.6 -15.0 | 51.9 | 196 | 0.0 | 1.0 | 0.633 | 55.8 | -49.6 -15.0 | 51.9 | 196 |
| 208                                                                                                                                                                                                                                  | 189        | 197        | 0.0              | 1.0                | 0.65               | 56.0              | -44.0 -23.8        | 50.1              | 208                | 0.0                | 1.0               | 0.454              | 54.6               | -53.4 -8.4        | 54.2              | 189               | 0.0               | 1.0               | 0.65              | 56.0 | -49.2 -15.7 | 51.7 | 197 | 0.0 | 1.0 | 0.65  | 56.0 | -49.2 -15.7 | 51.7 | 197 | 0.0 | 1.0 | 0.65  | 56.0 | -49.2 -15.7 | 51.7 | 197 |
| 210                                                                                                                                                                                                                                  | 190        | 198        | 0.0              | 1.0                | 0.666              | 56.1              | -43.2 -25.0        | 50.0              | 210                | 0.0                | 1.0               | 0.464              | 54.6               | -52.9 -9.2        | 53.8              | 190               | 0.0               | 1.0               | 0.667             | 56.1 | -48.7 -16.5 | 51.6 | 198 | 0.0 | 1.0 | 0.667 | 56.1 | -48.7 -16.5 | 51.6 | 198 | 0.0 | 1.0 | 0.667 | 56.1 | -48.7 -16.5 | 51.6 | 198 |
| 211                                                                                                                                                                                                                                  | 191        | 199        | 0.0              | 1.0                | 0.683              | 56.2              | -42.4 -26.3        | 49.9              | 211                | 0.0                | 1.0               | 0.474              | 54.7               | -52.4 -10.1       | 53.5              | 191               | 0.0               | 1.0               | 0.683             | 56.2 | -48.3 -17.2 | 51.4 | 199 | 0.0 | 1.0 | 0.683 | 56.2 | -48.3 -17.2 | 51.4 | 199 | 0.0 | 1.0 | 0.683 | 56.2 | -48.3 -17.2 | 51.4 | 199 |
| 213                                                                                                                                                                                                                                  | 192        | 200        | 0.0              | 1.0                | 0.7                | 56.3              | -41.6 -27.5        | 49.9              | 213                | 0.0                | 1.0               | 0.484              | 54.8               | -51.9 -10.9       | 53.1              | 192               | 0.0               | 1.0               | 0.7               | 56.3 | -47.9 -17.9 | 51.2 | 200 | 0.0 | 1.0 | 0.7   | 56.3 | -47.9 -17.9 | 51.2 | 200 | 0.0 | 1.0 | 0.7   | 56.3 | -47.9 -17.9 | 51.2 | 200 |
| 215                                                                                                                                                                                                                                  | 193        | 201        | 0.0              | 1.0                | 0.716              | 56.5              | -40.8 -28.6        | 49.8              | 215                | 0.0                | 1.0               | 0.494              | 54.8               | -51.3 -11.8       | 52.8              | 193               | 0.0               | 1.0               | 0.717             | 56.5 | -47.4 -18.6 | 51.0 | 201 | 0.0 | 1.0 | 0.717 | 56.5 | -47.4 -18.6 | 51.0 | 201 | 0.0 | 1.0 | 0.717 | 56.5 | -47.4 -18.6 | 51.0 | 201 |
| 216                                                                                                                                                                                                                                  | 194        | 202        | 0.0              | 1.0                | 0.733              | 56.6              | -39.9 -29.8        | 49.8              | 216                | 0.0                | 1.0               | 0.504              | 54.9               | -50.8 -12.6       | 52.5              | 194               | 0.0               | 1.0               | 0.733             | 56.6 | -46.9 -19.3 | 50.9 | 202 | 0.0 | 1.0 | 0.733 | 56.6 | -46.9 -19.3 | 50.9 | 202 | 0.0 | 1.0 | 0.733 | 56.6 | -46.9 -19.3 | 50.9 | 202 |
| 218                                                                                                                                                                                                                                  | 195        | 203        | 0.0              | 1.0                | 0.75               | 56.7              | -38.9 -30.9        | 49.7              | 218                | 0.0                | 1.0               | 0.514              | 55.0               | -50.4 -13.4       | 52.3              | 195               | 0.0               | 1.0               | 0.75              | 56.7 | -46.5 -19.9 | 50.7 | 203 | 0.0 | 1.0 | 0.75  | 56.7 | -46.5 -19.9 | 50.7 | 203 | 0.0 | 1.0 | 0.75  | 56.7 | -46.5 -19.9 | 50.7 | 203 |
| 219                                                                                                                                                                                                                                  | 196        | 204        | 0.0              | 1.0                | 0.766              | 56.8              | -38.4 -31.7        | 49.8              | 219                | 0.0                | 1.0               | 0.525              | 55.0               | -50.0 -14.3       | 52.1              | 196               | 0.0               | 1.0               | 0.767             | 56.8 | -46.0 -20.6 | 50.5 | 204 | 0.0 | 1.0 | 0.767 | 56.8 | -46.0 -20.6 | 50.5 | 204 | 0.0 | 1.0 | 0.767 | 56.8 | -46.0 -20.6 | 50.5 | 204 |
| 220                                                                                                                                                                                                                                  | 197        | 205        | 0.0              | 1.0                | 0.783              | 56.9              | -37.8 -32.6        | 49.9              | 220                | 0.0                | 1.0               | 0.535              | 55.1               | -49.5 -15.1       | 51.9              | 197               | 0.0               | 1.0               | 0.783             | 56.9 | -45.5 -21.3 | 50.3 | 205 | 0.0 | 1.0 | 0.783 | 56.9 | -45.5 -21.3 | 50.3 | 205 | 0.0 | 1.0 | 0.783 | 56.9 | -45.5 -21.3 | 50.3 | 205 |
| 221                                                                                                                                                                                                                                  | 198        | 206        | 0.0              | 1.0                | 0.8                | 57.0              | -37.2 -33.5        | 50.1              | 221                | 0.0                | 1.0               | 0.545              | 55.2               | -49.1 -15.9       | 51.7              | 198               | 0.0               | 1.0               | 0.8               | 57.0 | -45.0 -21.9 |      |     |     |     |       |      |             |      |     |     |     |       |      |             |      |     |

|              |          |                                                                                               |
|--------------|----------|-----------------------------------------------------------------------------------------------|
| 0-1131230-L0 | QG950-73 | LAB*la0, YN=0%, XYZnw=2.4, 2.5, 2.6, 85.1, 88.8, 104.3, LAB*nw=17.7, 0.0, 0.0, 95.5, 0.0, 0.0 |
|--------------|----------|-----------------------------------------------------------------------------------------------|

Ausgabe: Offset-Normdruck; Separation cmyn6\*, D65, Seite 13/33

TUB-Prüfvorlage QG95; Bunttoncode: H\*e=G50Be  
48-stufige Farbkreise; *rgb-LabCh\**-Tabellen

Eingabe:  $rgb/cmyk \rightarrow rgb_{de}$   
Ausgabe: 3D-Linearisierung  $cmyk^*_{de}$

| Daten der Maximalfarbe M im Farbmetrik-System Offset-Normdruck; Separation cmyn6*, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben RYGBM <sub>s</sub> : $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ; |            |            |                  |                             |     |      |       |       |       |                   |                             |       |       |      |       |       |                   | Sechs Bunttonwinkel der Gerätefarben RYGBM <sub>d</sub> : $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$ ; Sechs Bunttonwinkel der Elementarfarben RYGBM <sub>e</sub> : $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$ |     |       |     |     |       |                   |              |              |       |       |      |     |       |       |     |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|------------------|-----------------------------|-----|------|-------|-------|-------|-------------------|-----------------------------|-------|-------|------|-------|-------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------|-----|-----|-------|-------------------|--------------|--------------|-------|-------|------|-----|-------|-------|-----|--|--|
| $h_{ab,d}$                                                                                                                                                                                                                               | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{dd361M}$ | $LAB^*_{ddx361Mi}(x=LabCh)$ |     |      |       |       | $C_d$ | $rgb^*_{ds361Mi}$ | $LAB^*_{dsx361Mi}(x=LabCh)$ |       |       |      |       | $C_s$ | $rgb^*_{dd361Mi}$ | $LAB^*_{de361Mi}(x=LabCh)$                                                                                                                                                                                                       |     |       |     |     | $C_e$ | $rgb^*_{dd361Mi}$ | $rgb^*_{dd}$ | $rgb^*_{ds}$ |       |       |      |     |       |       |     |  |  |
| 236                                                                                                                                                                                                                                      | 210        | 216        | 0.0              | 1.0                         | 1.0 | 58.3 | -29.2 | -43.7 | 52.6  | 236               | 0.0                         | 1.0   | 0.666 | 56.1 | -43.2 | -24.9 | 50.0              | 210                                                                                                                                                                                                                              | 0.0 | 1.0   | 1.0 | 0.0 | 1.0   | 0.736             | 56.7         | -39.7        | -29.9 | 49.8  | 216  | 0.0 | 1.0   | 1.0   |     |  |  |
| 236                                                                                                                                                                                                                                      | 211        | 217        | 0.0              | 0.983                       | 1.0 | 57.9 | -28.7 | -43.7 | 52.3  | 236               | 0.0                         | 1.0   | 0.676 | 56.2 | -42.8 | -25.7 | 50.0              | 211                                                                                                                                                                                                                              | 0.0 | 0.983 | 1.0 | 0.0 | 1.0   | 0.745             | 56.7         | -39.2        | -30.5 | 49.8  | 217  | 0.0 | 0.983 | 1.0   |     |  |  |
| 237                                                                                                                                                                                                                                      | 212        | 218        | 0.0              | 0.966                       | 1.0 | 57.5 | -28.1 | -43.8 | 52.0  | 237               | 0.0                         | 1.0   | 0.686 | 56.3 | -42.3 | -26.4 | 50.0              | 212                                                                                                                                                                                                                              | 0.0 | 0.967 | 1.0 | 0.0 | 1.0   | 0.755             | 56.8         | -38.7        | -31.1 | 49.8  | 218  | 0.0 | 0.967 | 1.0   |     |  |  |
| 237                                                                                                                                                                                                                                      | 213        | 219        | 0.0              | 0.95                        | 1.0 | 57.1 | -27.5 | -43.8 | 51.8  | 237               | 0.0                         | 1.0   | 0.696 | 56.4 | -41.8 | -27.1 | 49.9              | 213                                                                                                                                                                                                                              | 0.0 | 0.95  | 1.0 | 0.0 | 1.0   | 0.768             | 56.9         | -38.3        | -31.8 | 49.9  | 219  | 0.0 | 0.95  | 1.0   |     |  |  |
| 238                                                                                                                                                                                                                                      | 214        | 220        | 0.0              | 0.933                       | 1.0 | 56.7 | -26.9 | -43.9 | 51.5  | 238               | 0.0                         | 1.0   | 0.706 | 56.4 | -41.3 | -27.8 | 49.9              | 214                                                                                                                                                                                                                              | 0.0 | 0.933 | 1.0 | 0.0 | 1.0   | 0.781             | 57.0         | -37.8        | -32.4 | 50.0  | 220  | 0.0 | 0.933 | 1.0   |     |  |  |
| 238                                                                                                                                                                                                                                      | 215        | 221        | 0.0              | 0.916                       | 1.0 | 56.2 | -26.4 | -43.9 | 51.2  | 238               | 0.0                         | 1.0   | 0.716 | 56.5 | -40.8 | -28.5 | 49.9              | 215                                                                                                                                                                                                                              | 0.0 | 0.917 | 1.0 | 0.0 | 1.0   | 0.794             | 57.0         | -37.4        | -33.1 | 50.1  | 221  | 0.0 | 0.917 | 1.0   |     |  |  |
| 239                                                                                                                                                                                                                                      | 216        | 222        | 0.0              | 0.9                         | 1.0 | 55.8 | -25.8 | -43.9 | 50.9  | 239               | 0.0                         | 1.0   | 0.726 | 56.6 | -40.2 | -29.2 | 49.8              | 216                                                                                                                                                                                                                              | 0.0 | 0.9   | 1.0 | 0.0 | 1.0   | 0.807             | 57.1         | -36.9        | -33.8 | 50.2  | 222  | 0.0 | 0.9   | 1.0   |     |  |  |
| 240                                                                                                                                                                                                                                      | 217        | 223        | 0.0              | 0.883                       | 1.0 | 55.4 | -25.2 | -43.9 | 50.7  | 240               | 0.0                         | 1.0   | 0.736 | 56.7 | -39.7 | -29.9 | 49.8              | 217                                                                                                                                                                                                                              | 0.0 | 0.883 | 1.0 | 0.0 | 1.0   | 0.819             | 57.2         | -36.4        | -34.4 | 50.3  | 223  | 0.0 | 0.883 | 1.0   |     |  |  |
| 240                                                                                                                                                                                                                                      | 218        | 224        | 0.0              | 0.866                       | 1.0 | 55.0 | -24.6 | -43.9 | 50.4  | 240               | 0.0                         | 1.0   | 0.746 | 56.7 | -39.1 | -30.5 | 49.8              | 218                                                                                                                                                                                                                              | 0.0 | 0.867 | 1.0 | 0.0 | 1.0   | 0.832             | 57.3         | -36.0        | -35.1 | 50.4  | 224  | 0.0 | 0.867 | 1.0   |     |  |  |
| 241                                                                                                                                                                                                                                      | 219        | 225        | 0.0              | 0.85                        | 1.0 | 54.5 | -23.9 | -44.0 | 50.1  | 241               | 0.0                         | 1.0   | 0.758 | 56.8 | -38.6 | -31.2 | 49.8              | 219                                                                                                                                                                                                                              | 0.0 | 0.85  | 1.0 | 0.0 | 1.0   | 0.845             | 57.4         | -35.5        | -35.7 | 50.5  | 225  | 0.0 | 0.85  | 1.0   |     |  |  |
| 242                                                                                                                                                                                                                                      | 220        | 226        | 0.0              | 0.833                       | 1.0 | 54.1 | -23.2 | -44.0 | 49.8  | 242               | 0.0                         | 1.0   | 0.772 | 56.9 | -38.1 | -32.0 | 49.9              | 220                                                                                                                                                                                                                              | 0.0 | 0.833 | 1.0 | 0.0 | 1.0   | 0.858             | 57.5         | -35.0        | -36.3 | 50.6  | 226  | 0.0 | 0.833 | 1.0   |     |  |  |
| 242                                                                                                                                                                                                                                      | 221        | 227        | 0.0              | 0.816                       | 1.0 | 53.6 | -22.5 | -44.1 | 49.5  | 242               | 0.0                         | 1.0   | 0.786 | 57.0 | -37.7 | -32.7 | 50.0              | 221                                                                                                                                                                                                                              | 0.0 | 0.817 | 1.0 | 0.0 | 1.0   | 0.871             | 57.5         | -34.4        | -37.0 | 50.7  | 227  | 0.0 | 0.817 | 1.0   |     |  |  |
| 243                                                                                                                                                                                                                                      | 222        | 227        | 0.0              | 0.8                         | 1.0 | 53.1 | -21.8 | -44.1 | 49.2  | 243               | 0.0                         | 1.0   | 0.8   | 57.1 | -37.2 | -33.4 | 50.1              | 222                                                                                                                                                                                                                              | 0.0 | 0.8   | 1.0 | 0.0 | 1.0   | 0.884             | 57.6         | -33.9        | -37.6 | 50.8  | 227  | 0.0 | 0.8   | 1.0   |     |  |  |
| 244                                                                                                                                                                                                                                      | 223        | 228        | 0.0              | 0.783                       | 1.0 | 52.7 | -21.1 | -44.1 | 48.9  | 244               | 0.0                         | 1.0   | 0.814 | 57.2 | -36.6 | -34.2 | 50.2              | 223                                                                                                                                                                                                                              | 0.0 | 0.783 | 1.0 | 0.0 | 1.0   | 0.896             | 57.7         | -33.5        | -38.3 | 51.0  | 228  | 0.0 | 0.783 | 1.0   |     |  |  |
| 245                                                                                                                                                                                                                                      | 224        | 229        | 0.0              | 0.766                       | 1.0 | 52.2 | -20.4 | -44.1 | 48.6  | 245               | 0.0                         | 1.0   | 0.828 | 57.3 | -36.1 | -34.9 | 50.3              | 224                                                                                                                                                                                                                              | 0.0 | 0.767 | 1.0 | 0.0 | 1.0   | 0.909             | 57.8         | -33.0        | -39.0 | 51.2  | 229  | 0.0 | 0.767 | 1.0   |     |  |  |
| 245                                                                                                                                                                                                                                      | 225        | 230        | 0.0              | 0.75                        | 1.0 | 51.7 | -19.7 | -44.1 | 48.3  | 245               | 0.0                         | 1.0   | 0.842 | 57.4 | -35.6 | -35.6 | 50.4              | 225                                                                                                                                                                                                                              | 0.0 | 0.75  | 1.0 | 0.0 | 1.0   | 0.922             | 57.9         | -32.5        | -39.7 | 51.4  | 230  | 0.0 | 0.75  | 1.0   |     |  |  |
| 246                                                                                                                                                                                                                                      | 226        | 231        | 0.0              | 0.733                       | 1.0 | 51.2 | -18.9 | -44.2 | 48.1  | 246               | 0.0                         | 1.0   | 0.856 | 57.5 | -35.0 | -36.3 | 50.5              | 226                                                                                                                                                                                                                              | 0.0 | 0.733 | 1.0 | 0.0 | 1.0   | 0.935             | 57.9         | -32.0        | -40.4 | 51.6  | 231  | 0.0 | 0.733 | 1.0   |     |  |  |
| 247                                                                                                                                                                                                                                      | 227        | 232        | 0.0              | 0.716                       | 1.0 | 50.7 | -18.1 | -44.3 | 47.8  | 247               | 0.0                         | 1.0   | 0.87  | 57.5 | -34.4 | -36.9 | 50.7              | 227                                                                                                                                                                                                                              | 0.0 | 0.717 | 1.0 | 0.0 | 1.0   | 0.948             | 58.0         | -31.5        | -41.0 | 51.8  | 232  | 0.0 | 0.717 | 1.0   |     |  |  |
| 248                                                                                                                                                                                                                                      | 228        | 233        | 0.0              | 0.7                         | 1.0 | 50.1 | -17.4 | -44.3 | 47.6  | 248               | 0.0                         | 1.0   | 0.884 | 57.6 | -33.9 | -37.7 | 50.8              | 228                                                                                                                                                                                                                              | 0.0 | 0.7   | 1.0 | 0.0 | 1.0   | 0.961             | 58.1         | -30.9        | -41.7 | 52.0  | 233  | 0.0 | 0.7   | 1.0   |     |  |  |
| 249                                                                                                                                                                                                                                      | 229        | 234        | 0.0              | 0.683                       | 1.0 | 49.6 | -16.6 | -44.3 | 47.4  | 249               | 0.0                         | 1.0   | 0.899 | 57.7 | -33.4 | -38.4 | 51.1              | 229                                                                                                                                                                                                                              | 0.0 | 0.683 | 1.0 | 0.0 | 1.0   | 0.974             | 58.2         | -30.4        | -42.3 | 52.2  | 234  | 0.0 | 0.683 | 1.0   |     |  |  |
| 250                                                                                                                                                                                                                                      | 230        | 235        | 0.0              | 0.666                       | 1.0 | 49.1 | -15.8 | -44.4 | 47.1  | 250               | 0.0                         | 1.0   | 0.913 | 57.8 | -32.9 | -39.2 | 51.3              | 230                                                                                                                                                                                                                              | 0.0 | 0.667 | 1.0 | 0.0 | 1.0   | 0.987             | 58.3         | -29.8        | -43.0 | 52.4  | 235  | 0.0 | 0.667 | 1.0   |     |  |  |
| 251                                                                                                                                                                                                                                      | 231        | 236        | 0.0              | 0.65                        | 1.0 | 48.5 | -15.0 | -44.4 | 46.9  | 251               | 0.0                         | 1.0   | 0.927 | 57.9 | -32.3 | -39.9 | 51.5              | 231                                                                                                                                                                                                                              | 0.0 | 0.65  | 1.0 | 0.0 | 1.0   | 0.999             | 58.3         | -29.2        | -43.6 | 52.6  | 236  | 0.0 | 0.65  | 1.0   |     |  |  |
| 252                                                                                                                                                                                                                                      | 232        | 237        | 0.0              | 0.633                       | 1.0 | 48.0 | -14.3 | -44.4 | 46.6  | 252               | 0.0                         | 1.0   | 0.941 | 58.0 | -31.7 | -40.7 | 51.7              | 232                                                                                                                                                                                                                              | 0.0 | 0.633 | 1.0 | 0.0 | 1.0   | 0.974             | 1.0          | 57.7         | -28.3 | -43.7 | 52.2 | 237 | 0.0   | 0.633 | 1.0 |  |  |
| 253                                                                                                                                                                                                                                      | 233        | 237        | 0.0              | 0.616                       | 1.0 | 47.4 | -13.4 | -44.5 | 46.4  | 253               | 0.0                         | 1.0   | 0.955 | 58.1 | -31.2 | -41.4 | 51.9              | 233                                                                                                                                                                                                                              | 0.0 | 0.617 | 1.0 | 0.0 | 1.0   | 0.947             | 1.0          | 57.0         | -27.4 | -43.8 | 51.8 | 237 | 0.0   | 0.617 | 1.0 |  |  |
| 254                                                                                                                                                                                                                                      | 234        | 238        | 0.0              | 0.6                         | 1.0 | 46.7 | -12.3 | -44.6 | 46.3  | 254               | 0.0                         | 1.0   | 0.969 | 58.2 | -30.6 | -42.1 | 52.2              | 234                                                                                                                                                                                                                              | 0.0 | 0.6   | 1.0 | 0.0 | 1.0   | 0.919             | 1.0          | 56.4         | -26.4 | -43.8 | 51.3 | 238 | 0.0   | 0.6   | 1.0 |  |  |
| 255                                                                                                                                                                                                                                      | 235        | 239        | 0.0              | 0.583                       | 1.0 | 46.1 | -11.3 | -44.7 | 46.1  | 255               | 0.0                         | 1.0   | 0.983 | 58.2 | -29.9 | -42.8 | 52.4              | 235                                                                                                                                                                                                                              | 0.0 | 0.583 | 1.0 | 0.0 | 1.0   | 0.892             | 1.0          | 55.7         | -25.5 | -43.8 | 50.8 | 239 | 0.0   | 0.583 | 1.0 |  |  |
| 257                                                                                                                                                                                                                                      | 236        | 240        | 0.0              | 0.566                       | 1.0 | 45.4 | -10.2 | -44.8 | 46.0  | 257               | 0.0                         | 1.0   | 0.997 | 58.3 | -29.3 | -43.5 | 52.6              | 236                                                                                                                                                                                                                              | 0.0 | 0.567 | 1.0 | 0.0 | 1.0   | 0.867             | 1.0          | 55.0         | -24.6 | -43.9 | 50.4 | 240 | 0.0   | 0.567 | 1.0 |  |  |
| 258                                                                                                                                                                                                                                      | 237        | 241        | 0.0              | 0.55                        | 1.0 | 44.7 | -9.1  | -44.9 | 45.8  | 258               | 0.0                         | 0.976 | 1.0   | 57.7 | -28.4 | -43.7 | 52.2              | 237                                                                                                                                                                                                                              | 0.0 | 0.55  | 1.0 | 0.0 | 1.0   | 0.847             | 1.0          | 54.5         | -23.7 | -44.0 | 50.1 | 241 | 0.0   | 0.55  | 1.0 |  |  |
| 259                                                                                                                                                                                                                                      | 238        | 242        | 0.0              | 0.533                       | 1.0 | 44.1 | -8.1  | -45.0 | 45.7  | 259               | 0.0                         | 0.946 | 1.0   | 57.0 | -27.3 | -43.8 | 51.7              | 238                                                                                                                                                                                                                              | 0.0 | 0.533 | 1.0 | 0.0 | 1.0   | 0.826             | 1.0          | 53.9         | -22.8 | -44.0 | 49.7 | 242 | 0.0   | 0.533 | 1.0 |  |  |
| 261                                                                                                                                                                                                                                      | 239        | 243        | 0.0              | 0.516                       | 1.0 | 43.4 | -7.0  | -45.0 | 45.5  | 261               | 0.0                         | 0.916 | 1.0   | 56.3 | -26.3 | -43.8 | 51.2              | 239                                                                                                                                                                                                                              | 0.0 | 0.517 | 1.0 | 0.0 | 1.0   | 0.805             | 1.0          | 53.3         | -22.0 | -44.0 | 49.3 | 243 | 0.0   | 0.517 | 1.0 |  |  |
| 262                                                                                                                                                                                                                                      | 240        | 244        | 0.0              | 0.5                         | 1.0 | 42.7 | -6.0  | -45.0 | 45.4  | 262               | 0.0                         | 0.886 | 1.0   | 55.5 | -25.3 | -43.8 | 50.7              | 240                                                                                                                                                                                                                              | 0.0 | 0.5   | 1.0 | 0.0 | 1.0   | 0.785             | 1.0          | 52.7         | -21.1 | -44.1 | 49.0 | 244 | 0.0   | 0.5   | 1.0 |  |  |
| 263                                                                                                                                                                                                                                      | 241        | 245        | 0.0              | 0.483                       | 1.0 | 42.1 | -5.0  | -45.1 | 45.4  | 263               | 0.0                         | 0.861 | 1.0   | 54.9 | -24.3 | -43.9 | 50.3              | 241                                                                                                                                                                                                                              | 0.0 | 0.483 | 1.0 | 0.0 | 1.0   | 0.764             | 1.0          | 52.2         | -20.2 | -44.1 | 48.6 | 245 | 0.0   | 0.483 | 1.0 |  |  |
| 264                                                                                                                                                                                                                                      | 242        | 246        | 0.0              | 0.466                       | 1.0 | 41.4 | -4.0  | -45.2 | 45.4  | 264               | 0.0                         | 0.838 | 1.0   | 54.2 | -23.3 | -44.0 | 49.9              | 242                                                                                                                                                                                                                              | 0.0 | 0.467 | 1.0 | 0.0 | 1.0   | 0.745             | 1.0          | 51.6         | -19.4 | -44.1 | 48.3 | 246 | 0.0   |       |     |  |  |

Daten der Maximalfarbe M im Farbmetrik-System Offset-Normdruck; Separation cmy6\*, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben RYGBM<sub>s</sub>:  $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;  
Sechs Bunttonwinkel der Gerätefarben RYGBM<sub>d</sub>:  $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$ ; Sechs Bunttonwinkel der Elementarfarben RYGBM<sub>e</sub>:  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

| Sechs Bunttonwinkel der Gerätefarben RYGCBM <sub>d</sub> : $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$ ; Sechs Bunttonwinkel der Elementarfarben RYGCBM <sub>e</sub> : $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$ |            |            |                  |                  |                             |                   |                             |                   |                   |                             |                   |                   |              |              |       |       |       |      |          |       |     |     |       |       |      |      |       |       |      |          |       |     |     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|------------------|------------------|-----------------------------|-------------------|-----------------------------|-------------------|-------------------|-----------------------------|-------------------|-------------------|--------------|--------------|-------|-------|-------|------|----------|-------|-----|-----|-------|-------|------|------|-------|-------|------|----------|-------|-----|-----|
| $h_{ab,d}$                                                                                                                                                                                                                         | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{dd361M}$ | $LAB^*_{dd361M}$ | $LAB^*_{dsx361Mi}(x=LabCh)$ | $rgb^*_{ds361Mi}$ | $LAB^*_{dsx361Mi}(x=LabCh)$ | $rgb^*_{dd361Mi}$ | $LAB^*_{de361Mi}$ | $LAB^*_{dex361Mi}(x=LabCh)$ | $rgb^*_{dd361Mi}$ | $rgb^*_{dd361Mi}$ | $rgb^*_{ds}$ | $rgb^*_{de}$ |       |       |       |      |          |       |     |     |       |       |      |      |       |       |      |          |       |     |     |
| 281                                                                                                                                                                                                                                | 255        | 258        | 0.0              | 0.25             | 1.0                         | 33.3              | 9.4                         | -46.0             | 47.0              | 281                         | 0.0               | 0.594             | 1.0          | 46.5         | -11.9 | -44.6 | 46.3  | 255  | 0.0      | 0.25  | 1.0 | 0.0 | 0.555 | 1.0   | 45.0 | -9.4 | -44.8 | 45.9  | 258  | 0.0      | 0.25  | 1.0 |     |
| 282                                                                                                                                                                                                                                | 256        | 258        | 0.0              | 0.233            | 1.0                         | 32.7              | 10.5                        | -46.2             | 47.4              | 282                         | 0.0               | 0.581             | 1.0          | 46.0         | -11.1 | -44.7 | 46.2  | 256  | 0.0      | 0.233 | 1.0 | 0.0 | 0.543 | 1.0   | 44.5 | -8.7 | -44.9 | 45.8  | 258  | 0.0      | 0.233 | 1.0 |     |
| 283                                                                                                                                                                                                                                | 257        | 259        | 0.0              | 0.216            | 1.0                         | 32.0              | 11.5                        | -46.4             | 47.8              | 283                         | 0.0               | 0.568             | 1.0          | 45.5         | -10.3 | -44.8 | 46.1  | 257  | 0.0      | 0.217 | 1.0 | 0.0 | 0.532 | 1.0   | 44.1 | -7.9 | -44.9 | 45.7  | 259  | 0.0      | 0.217 | 1.0 |     |
| 285                                                                                                                                                                                                                                | 258        | 260        | 0.0              | 0.2              | 1.0                         | 31.4              | 12.5                        | -46.5             | 48.2              | 285                         | 0.0               | 0.556             | 1.0          | 45.0         | -9.5  | -44.8 | 45.9  | 258  | 0.0      | 0.2   | 1.0 | 0.0 | 0.52  | 1.0   | 43.6 | -7.2 | -44.9 | 45.6  | 260  | 0.0      | 0.2   | 1.0 |     |
| 286                                                                                                                                                                                                                                | 259        | 261        | 0.0              | 0.183            | 1.0                         | 30.8              | 13.6                        | -46.7             | 48.6              | 286                         | 0.0               | 0.543             | 1.0          | 44.5         | -8.6  | -44.9 | 45.8  | 259  | 0.0      | 0.183 | 1.0 | 0.0 | 0.508 | 1.0   | 43.1 | -6.5 | -44.9 | 45.5  | 261  | 0.0      | 0.183 | 1.0 |     |
| 287                                                                                                                                                                                                                                | 260        | 262        | 0.0              | 0.166            | 1.0                         | 30.1              | 14.7                        | -46.8             | 49.0              | 287                         | 0.0               | 0.53              | 1.0          | 44.0         | -7.8  | -44.9 | 45.7  | 260  | 0.0      | 0.167 | 1.0 | 0.0 | 0.497 | 1.0   | 42.7 | -5.7 | -45.0 | 45.4  | 262  | 0.0      | 0.167 | 1.0 |     |
| 288                                                                                                                                                                                                                                | 261        | 263        | 0.0              | 0.15             | 1.0                         | 29.5              | 15.8                        | -46.9             | 49.4              | 288                         | 0.0               | 0.517             | 1.0          | 43.5         | -7.0  | -44.9 | 45.6  | 261  | 0.0      | 0.15  | 1.0 | 0.0 | 0.484 | 1.0   | 42.2 | -5.0 | -45.0 | 45.4  | 263  | 0.0      | 0.15  | 1.0 |     |
| 289                                                                                                                                                                                                                                | 262        | 264        | 0.0              | 0.133            | 1.0                         | 28.9              | 16.8                        | -46.9             | 49.9              | 289                         | 0.0               | 0.505             | 1.0          | 43.0         | -6.2  | -44.9 | 45.5  | 262  | 0.0      | 0.133 | 1.0 | 0.0 | 0.472 | 1.0   | 41.7 | -4.3 | -45.1 | 45.4  | 264  | 0.0      | 0.133 | 1.0 |     |
| 290                                                                                                                                                                                                                                | 263        | 265        | 0.0              | 0.116            | 1.0                         | 28.3              | 17.8                        | -47.0             | 50.3              | 290                         | 0.0               | 0.491             | 1.0          | 42.5         | -5.4  | -45.0 | 45.4  | 263  | 0.0      | 0.117 | 1.0 | 0.0 | 0.46  | 1.0   | 41.2 | -3.6 | -45.2 | 45.4  | 265  | 0.0      | 0.117 | 1.0 |     |
| 291                                                                                                                                                                                                                                | 264        | 266        | 0.0              | 0.1              | 1.0                         | 27.9              | 18.6                        | -47.1             | 50.6              | 291                         | 0.0               | 0.478             | 1.0          | 41.9         | -4.6  | -45.1 | 45.4  | 264  | 0.0      | 0.1   | 1.0 | 0.0 | 0.448 | 1.0   | 40.8 | -2.9 | -45.2 | 45.4  | 266  | 0.0      | 0.1   | 1.0 |     |
| 292                                                                                                                                                                                                                                | 265        | 267        | 0.0              | 0.083            | 1.0                         | 27.5              | 19.4                        | -47.1             | 51.0              | 292                         | 0.0               | 0.465             | 1.0          | 41.4         | -3.9  | -45.2 | 45.4  | 265  | 0.0      | 0.083 | 1.0 | 0.0 | 0.436 | 1.0   | 40.3 | -2.1 | -45.3 | 45.4  | 267  | 0.0      | 0.083 | 1.0 |     |
| 293                                                                                                                                                                                                                                | 266        | 268        | 0.0              | 0.066            | 1.0                         | 27.0              | 20.2                        | -47.2             | 51.4              | 293                         | 0.0               | 0.451             | 1.0          | 40.9         | -3.1  | -45.2 | 45.4  | 266  | 0.0      | 0.067 | 1.0 | 0.0 | 0.423 | 1.0   | 39.8 | -1.4 | -45.3 | 45.4  | 268  | 0.0      | 0.067 | 1.0 |     |
| 293                                                                                                                                                                                                                                | 267        | 269        | 0.0              | 0.049            | 1.0                         | 26.6              | 21.0                        | -47.3             | 51.7              | 293                         | 0.0               | 0.438             | 1.0          | 40.4         | -2.3  | -45.3 | 45.4  | 267  | 0.0      | 0.05  | 1.0 | 0.0 | 0.411 | 1.0   | 39.4 | -0.7 | -45.3 | 45.4  | 269  | 0.0      | 0.05  | 1.0 |     |
| 294                                                                                                                                                                                                                                | 268        | 269        | 0.0              | 0.033            | 1.0                         | 26.2              | 21.8                        | -47.3             | 52.1              | 294                         | 0.0               | 0.425             | 1.0          | 39.9         | -1.5  | -45.3 | 45.4  | 268  | 0.0      | 0.033 | 1.0 | 0.0 | 0.399 | 1.0   | 38.9 | 0.0  | -45.3 | 45.4  | 269  | 0.0      | 0.033 | 1.0 |     |
| 295                                                                                                                                                                                                                                | 269        | 270        | 0.0              | 0.016            | 1.0                         | 25.7              | 22.6                        | -47.3             | 52.5              | 295                         | 0.0               | 0.411             | 1.0          | 39.4         | -0.7  | -45.3 | 45.4  | 269  | 0.0      | 0.017 | 1.0 | 0.0 | 0.387 | 1.0   | 38.4 | 0.7  | -45.3 | 45.4  | 270  | 0.0      | 0.017 | 1.0 |     |
| 296                                                                                                                                                                                                                                | 270        | 271        | 0.0              | 0.0              | 1.0                         | 25.3              | 23.5                        | -47.3             | 52.8              | 296                         | $B_d$             | 0.0               | 0.398        | 1.0          | 38.8  | 0.0   | -45.3 | 45.4 | $270B_s$ | 0.0   | 0.0 | 1.0 | 0.0   | 0.375 | 1.0  | 37.9 | 1.4   | -45.3 | 45.5 | $271B_e$ | 0.0   | 0.0 | 1.0 |
| 297                                                                                                                                                                                                                                | 271        | 272        | 0.016            | 0.0              | 1.0                         | 25.8              | 24.6                        | -46.8             | 52.9              | 297                         | 0.0               | 0.385             | 1.0          | 38.3         | 0.8   | -45.3 | 45.4  | 271  | 0.017    | 0.0   | 1.0 | 0.0 | 0.363 | 1.0   | 37.5 | 2.1  | -45.5 | 45.6  | 272  | 0.017    | 0.0   | 1.0 |     |
| 299                                                                                                                                                                                                                                | 272        | 273        | 0.033            | 0.0              | 1.0                         | 26.3              | 25.8                        | -46.2             | 52.9              | 299                         | 0.0               | 0.371             | 1.0          | 37.8         | 1.6   | -45.4 | 45.5  | 272  | 0.033    | 0.0   | 1.0 | 0.0 | 0.351 | 1.0   | 37.1 | 2.9  | -45.6 | 45.8  | 273  | 0.033    | 0.0   | 1.0 |     |
| 300                                                                                                                                                                                                                                | 273        | 274        | 0.05             | 0.0              | 1.0                         | 26.9              | 26.9                        | -45.6             | 52.9              | 300                         | 0.0               | 0.359             | 1.0          | 37.3         | 2.4   | -45.5 | 45.7  | 273  | 0.05     | 0.0   | 1.0 | 0.0 | 0.339 | 1.0   | 36.6 | 3.7  | -45.7 | 45.9  | 274  | 0.05     | 0.0   | 1.0 |     |
| 301                                                                                                                                                                                                                                | 274        | 275        | 0.066            | 0.0              | 1.0                         | 27.4              | 28.0                        | -45.0             | 53.0              | 301                         | 0.0               | 0.346             | 1.0          | 36.9         | 3.2   | -45.6 | 45.8  | 274  | 0.067    | 0.0   | 1.0 | 0.0 | 0.327 | 1.0   | 36.2 | 4.4  | -45.7 | 46.0  | 275  | 0.067    | 0.0   | 1.0 |     |
| 303                                                                                                                                                                                                                                | 275        | 276        | 0.083            | 0.0              | 1.0                         | 27.9              | 29.1                        | -44.3             | 53.0              | 303                         | 0.0               | 0.334             | 1.0          | 36.4         | 4.0   | -45.7 | 46.0  | 275  | 0.083    | 0.0   | 1.0 | 0.0 | 0.315 | 1.0   | 35.7 | 5.2  | -45.8 | 46.2  | 276  | 0.083    | 0.0   | 1.0 |     |
| 304                                                                                                                                                                                                                                | 276        | 277        | 0.1              | 0.0              | 1.0                         | 28.5              | 30.2                        | -43.6             | 53.1              | 304                         | 0.0               | 0.321             | 1.0          | 36.0         | 4.8   | -45.8 | 46.1  | 276  | 0.1      | 0.0   | 1.0 | 0.0 | 0.303 | 1.0   | 35.3 | 6.0  | -45.9 | 46.3  | 277  | 0.1      | 0.0   | 1.0 |     |
| 306                                                                                                                                                                                                                                | 277        | 278        | 0.116            | 0.0              | 1.0                         | 29.0              | 31.2                        | -42.9             | 53.1              | 306                         | 0.0               | 0.309             | 1.0          | 35.5         | 5.6   | -45.8 | 46.3  | 277  | 0.117    | 0.0   | 1.0 | 0.0 | 0.291 | 1.0   | 34.9 | 6.8  | -45.9 | 46.5  | 278  | 0.117    | 0.0   | 1.0 |     |
| 307                                                                                                                                                                                                                                | 278        | 279        | 0.133            | 0.0              | 1.0                         | 29.4              | 32.1                        | -42.3             | 53.1              | 307                         | 0.0               | 0.296             | 1.0          | 35.0         | 6.5   | -45.9 | 46.4  | 278  | 0.133    | 0.0   | 1.0 | 0.0 | 0.279 | 1.0   | 34.4 | 7.6  | -45.9 | 46.6  | 279  | 0.133    | 0.0   | 1.0 |     |
| 307                                                                                                                                                                                                                                | 279        | 280        | 0.15             | 0.0              | 1.0                         | 29.7              | 32.7                        | -41.9             | 53.2              | 307                         | 0.0               | 0.283             | 1.0          | 34.6         | 7.3   | -45.9 | 46.6  | 279  | 0.15     | 0.0   | 1.0 | 0.0 | 0.267 | 1.0   | 34.0 | 8.3  | -45.9 | 46.8  | 280  | 0.15     | 0.0   | 1.0 |     |
| 308                                                                                                                                                                                                                                | 280        | 281        | 0.166            | 0.0              | 1.0                         | 30.0              | 33.3                        | -41.5             | 53.2              | 308                         | 0.0               | 0.271             | 1.0          | 34.1         | 8.1   | -45.9 | 46.7  | 280  | 0.167    | 0.0   | 1.0 | 0.0 | 0.256 | 1.0   | 33.5 | 9.1  | -45.9 | 46.9  | 281  | 0.167    | 0.0   | 1.0 |     |
| 309                                                                                                                                                                                                                                | 281        | 282        | 0.183            | 0.0              | 1.0                         | 30.3              | 33.9                        | -41.0             | 53.2              | 309                         | 0.0               | 0.258             | 1.0          | 33.6         | 8.9   | -45.9 | 46.9  | 281  | 0.183    | 0.0   | 1.0 | 0.0 | 0.243 | 1.0   | 33.1 | 9.9  | -46.0 | 47.2  | 282  | 0.183    | 0.0   | 1.0 |     |
| 310                                                                                                                                                                                                                                | 282        | 283        | 0.2              | 0.0              | 1.0                         | 30.6              | 34.5                        | -40.6             | 53.3              | 310                         | 0.0               | 0.245             | 1.0          | 33.1         | 9.8   | -46.0 | 47.1  | 282  | 0.2      | 0.0   | 1.0 | 0.0 | 0.229 | 1.0   | 32.5 | 10.8 | -46.2 | 47.5  | 283  | 0.2      | 0.0   | 1.0 |     |
| 311                                                                                                                                                                                                                                | 283        | 284        | 0.216            | 0.0              | 1.0                         | 30.9              | 35.0                        | -40.1             | 53.3              | 311                         | 0.0               | 0.231             | 1.0          | 32.6         | 10.7  | -46.2 | 47.5  | 283  | 0.217    | 0.0   | 1.0 | 0.0 | 0.215 | 1.0   | 32.0 | 11.6 | -46.3 | 47.9  | 284  | 0.217    | 0.0   | 1.0 |     |
| 311                                                                                                                                                                                                                                | 284        | 285        | 0.233            | 0.0              | 1.0                         | 31.2              | 35.6                        | -39.6             | 53.3              | 311                         | 0.0               | 0.216             | 1.0          | 32.1         | 11.6  | -46.3 | 47.8  | 284  | 0.233    | 0.0   | 1.0 | 0.0 | 0.202 | 1.0   | 31.5 | 12.5 | -46.5 | 48.2  | 285  | 0.233    | 0.0   | 1.0 |     |
| 312                                                                                                                                                                                                                                | 285        | 285        | 0.25             | 0.0              | 1.0                         | 31.5              | 36.2                        | -39.2             | 53.4              | 312                         | 0.0               | 0.202             | 1.0          | 31.5         | 12.5  | -46.5 | 48.2  | 285  | 0.25     | 0.0   | 1.0 | 0.0 | 0.188 | 1.0   | 31.0 | 13.3 | -46.6 | 48.5  | 285  | 0.25     | 0.0   | 1.0 |     |
| 314                                                                                                                                                                                                                                | 286        | 286        | 0.266            | 0.0              | 1.0                         | 31.8              | 37.8                        | -38.3             | 53.8              | 314                         | 0.0               | 0.188             | 1.0          | 31.0         | 13.4  | -46.6 | 48.6  | 286  | 0.267    | 0.0   | 1.0 | 0.0 | 0.175 | 1.0   | 30.5 | 14.2 | -46.7 | 48.9  | 286  | 0.267    | 0.0   | 1.0 |     |
| 316                                                                                                                                                                                                                                | 287        | 287        | 0.283            | 0.0              | 1.0                         | 32.1              | 39.4                        | -37.4             | 54.3              | 316                         | 0.0               | 0.173             | 1.0          | 30.4         | 14.3  | -46.7 | 48.9  | 287  | 0.283    | 0.0   | 1.0 | 0.0 | 0.161 | 1.0   | 30.0 | 15.1 | -46.8 | 49.2  | 287  | 0.283    | 0.0   | 1.0 |     |
| 318                                                                                                                                                                                                                                | 288        | 288        | 0.3              | 0.0              | 1.0                         | 32.4              | 40.9                        | -36.4             | 54.8              | 318                         | 0.0               | 0.159             | 1.0          | 29.9         | 15.2  | -46.8 | 49.3  | 288  | 0.3      | 0.0   | 1.0 | 0.0 | 0.147 | 1.0   | 29.5 | 16.0 | -46.8 | 49.6  | 288  | 0.3      | 0.0   | 1.0 |     |
|                                                                                                                                                                                                                                    |            |            |                  |                  |                             |                   |                             |                   |                   |                             |                   |                   |              |              |       |       |       |      |          |       |     |     |       |       |      |      |       |       |      |          |       |     |     |

| Daten der Maximalfarbe M im Farbmetrik-System Offset-Normdruck; Separation cmyn6*, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben RYGBCM <sub>s</sub> : $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ; |            |            | Sechs Bunttonwinkel der Gerätefarben RYGBCM <sub>d</sub> : $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$ ; Sechs Bunttonwinkel der Elementarfarben RYGBCM <sub>e</sub> : $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$ |                            |                   |                             |                   |                   |                              |                   |                   |     |     |      |      |       |      |     |       |     |       |       |     |     |      |      |       |      |     |       |     |       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------------|-----------------------------|-------------------|-------------------|------------------------------|-------------------|-------------------|-----|-----|------|------|-------|------|-----|-------|-----|-------|-------|-----|-----|------|------|-------|------|-----|-------|-----|-------|
| $h_{ab,d}$                                                                                                                                                                                                                                | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{dd361M}$                                                                                                                                                                                                                   | $LAB^*_{d361Mi} (x=LabCh)$ | $rgb^*_{ds361Mi}$ | $LAB^*_{ds361Mi} (x=LabCh)$ | $rgb^*_{dd361Mi}$ | $LAB^*_{de361Mi}$ | $LAB^*_{dex361Mi} (x=LabCh)$ | $rgb^*_{dd361Mi}$ | $rgb^*_{dd361Mi}$ |     |     |      |      |       |      |     |       |     |       |       |     |     |      |      |       |      |     |       |     |       |
| 333                                                                                                                                                                                                                                       | 300        | 300        | 0.5                                                                                                                                                                                                                                | 0.0                        | 1.0               | 37.8                        | 53.8              | -26.3             | 59.9                         | 333               | 0.043             | 0.0 | 1.0 | 26.7 | 26.5 | -45.8 | 53.0 | 300 | 0.5   | 0.0 | 1.0   | 0.046 | 0.0 | 1.0 | 26.8 | 26.6 | -45.7 | 53.0 | 300 | 0.5   | 0.0 | 1.0   |
| 334                                                                                                                                                                                                                                       | 301        | 301        | 0.516                                                                                                                                                                                                                              | 0.0                        | 1.0               | 38.3                        | 54.5              | -25.7             | 60.3                         | 334               | 0.056             | 0.0 | 1.0 | 27.1 | 27.3 | -45.3 | 53.0 | 301 | 0.517 | 0.0 | 1.0   | 0.057 | 0.0 | 1.0 | 27.2 | 27.4 | -45.3 | 53.0 | 301 | 0.517 | 0.0 | 1.0   |
| 335                                                                                                                                                                                                                                       | 302        | 302        | 0.533                                                                                                                                                                                                                              | 0.0                        | 1.0               | 38.7                        | 55.2              | -25.2             | 60.6                         | 335               | 0.068             | 0.0 | 1.0 | 27.5 | 28.1 | -44.9 | 53.0 | 302 | 0.533 | 0.0 | 1.0   | 0.068 | 0.0 | 1.0 | 27.5 | 28.2 | -44.8 | 53.0 | 302 | 0.533 | 0.0 | 1.0   |
| 336                                                                                                                                                                                                                                       | 303        | 303        | 0.55                                                                                                                                                                                                                               | 0.0                        | 1.0               | 39.1                        | 55.8              | -24.6             | 61.0                         | 336               | 0.08              | 0.0 | 1.0 | 27.9 | 28.9 | -44.4 | 53.1 | 303 | 0.55  | 0.0 | 1.0   | 0.08  | 0.0 | 1.0 | 27.9 | 28.9 | -44.4 | 53.1 | 303 | 0.55  | 0.0 | 1.0   |
| 336                                                                                                                                                                                                                                       | 304        | 303        | 0.566                                                                                                                                                                                                                              | 0.0                        | 1.0               | 39.5                        | 56.5              | -24.0             | 61.4                         | 336               | 0.092             | 0.0 | 1.0 | 28.3 | 29.7 | -43.9 | 53.1 | 304 | 0.567 | 0.0 | 1.0   | 0.091 | 0.0 | 1.0 | 28.3 | 29.7 | -43.9 | 53.1 | 303 | 0.567 | 0.0 | 1.0   |
| 337                                                                                                                                                                                                                                       | 305        | 304        | 0.583                                                                                                                                                                                                                              | 0.0                        | 1.0               | 39.9                        | 57.2              | -23.4             | 61.8                         | 337               | 0.104             | 0.0 | 1.0 | 28.7 | 30.5 | -43.4 | 53.1 | 305 | 0.583 | 0.0 | 1.0   | 0.103 | 0.0 | 1.0 | 28.6 | 30.4 | -43.5 | 53.1 | 304 | 0.583 | 0.0 | 1.0   |
| 338                                                                                                                                                                                                                                       | 306        | 305        | 0.6                                                                                                                                                                                                                                | 0.0                        | 1.0               | 40.3                        | 57.8              | -22.8             | 62.2                         | 338               | 0.116             | 0.0 | 1.0 | 29.0 | 31.2 | -42.9 | 53.1 | 306 | 0.6   | 0.0 | 1.0   | 0.114 | 0.0 | 1.0 | 29.0 | 31.1 | -43.0 | 53.1 | 305 | 0.6   | 0.0 | 1.0   |
| 339                                                                                                                                                                                                                                       | 307        | 306        | 0.616                                                                                                                                                                                                                              | 0.0                        | 1.0               | 40.7                        | 58.5              | -22.1             | 62.5                         | 339               | 0.13              | 0.0 | 1.0 | 29.4 | 32.0 | -42.4 | 53.2 | 307 | 0.617 | 0.0 | 1.0   | 0.126 | 0.0 | 1.0 | 29.4 | 31.9 | -42.5 | 53.2 | 306 | 0.617 | 0.0 | 1.0   |
| 340                                                                                                                                                                                                                                       | 308        | 307        | 0.633                                                                                                                                                                                                                              | 0.0                        | 1.0               | 41.1                        | 59.3              | -21.4             | 63.0                         | 340               | 0.151             | 0.0 | 1.0 | 29.8 | 32.8 | -41.8 | 53.2 | 308 | 0.633 | 0.0 | 1.0   | 0.146 | 0.0 | 1.0 | 29.7 | 32.6 | -42.0 | 53.2 | 307 | 0.633 | 0.0 | 1.0   |
| 341                                                                                                                                                                                                                                       | 309        | 308        | 0.65                                                                                                                                                                                                                               | 0.0                        | 1.0               | 41.4                        | 60.3              | -20.5             | 63.7                         | 341               | 0.172             | 0.0 | 1.0 | 30.2 | 33.5 | -41.3 | 53.3 | 309 | 0.65  | 0.0 | 1.0   | 0.166 | 0.0 | 1.0 | 30.1 | 33.3 | -41.5 | 53.2 | 308 | 0.65  | 0.0 | 1.0   |
| 342                                                                                                                                                                                                                                       | 310        | 309        | 0.666                                                                                                                                                                                                                              | 0.0                        | 1.0               | 41.7                        | 61.3              | -19.7             | 64.3                         | 342               | 0.193             | 0.0 | 1.0 | 30.6 | 34.3 | -40.7 | 53.3 | 310 | 0.667 | 0.0 | 1.0   | 0.186 | 0.0 | 1.0 | 30.4 | 34.0 | -40.9 | 53.3 | 309 | 0.667 | 0.0 | 1.0   |
| 343                                                                                                                                                                                                                                       | 311        | 310        | 0.683                                                                                                                                                                                                                              | 0.0                        | 1.0               | 41.9                        | 62.2              | -18.8             | 65.0                         | 343               | 0.214             | 0.0 | 1.0 | 30.9 | 35.0 | -40.2 | 53.3 | 311 | 0.683 | 0.0 | 1.0   | 0.205 | 0.0 | 1.0 | 30.8 | 34.7 | -40.4 | 53.3 | 310 | 0.683 | 0.0 | 1.0   |
| 344                                                                                                                                                                                                                                       | 312        | 311        | 0.7                                                                                                                                                                                                                                | 0.0                        | 1.0               | 42.2                        | 63.2              | -17.8             | 65.6                         | 344               | 0.234             | 0.0 | 1.0 | 31.3 | 35.7 | -39.6 | 53.4 | 312 | 0.7   | 0.0 | 1.0   | 0.225 | 0.0 | 1.0 | 31.1 | 35.4 | -39.8 | 53.4 | 311 | 0.7   | 0.0 | 1.0   |
| 345                                                                                                                                                                                                                                       | 313        | 312        | 0.716                                                                                                                                                                                                                              | 0.0                        | 1.0               | 42.5                        | 64.1              | -16.9             | 66.3                         | 345               | 0.252             | 0.0 | 1.0 | 31.6 | 36.5 | -39.0 | 53.5 | 313 | 0.717 | 0.0 | 1.0   | 0.245 | 0.0 | 1.0 | 31.5 | 36.1 | -39.3 | 53.4 | 312 | 0.717 | 0.0 | 1.0   |
| 346                                                                                                                                                                                                                                       | 314        | 313        | 0.733                                                                                                                                                                                                                              | 0.0                        | 1.0               | 42.8                        | 65.0              | -15.9             | 66.9                         | 346               | 0.261             | 0.0 | 1.0 | 31.8 | 37.3 | -38.5 | 53.7 | 314 | 0.733 | 0.0 | 1.0   | 0.256 | 0.0 | 1.0 | 31.7 | 36.8 | -38.8 | 53.6 | 313 | 0.733 | 0.0 | 1.0   |
| 347                                                                                                                                                                                                                                       | 315        | 314        | 0.75                                                                                                                                                                                                                               | 0.0                        | 1.0               | 43.1                        | 65.9              | -14.9             | 67.6                         | 347               | 0.27              | 0.0 | 1.0 | 31.9 | 38.2 | -38.1 | 54.0 | 315 | 0.75  | 0.0 | 1.0   | 0.265 | 0.0 | 1.0 | 31.8 | 37.7 | -38.4 | 53.8 | 314 | 0.75  | 0.0 | 1.0   |
| 347                                                                                                                                                                                                                                       | 316        | 315        | 0.766                                                                                                                                                                                                                              | 0.0                        | 1.0               | 43.5                        | 66.4              | -14.5             | 68.0                         | 347               | 0.279             | 0.0 | 1.0 | 32.1 | 39.0 | -37.6 | 54.2 | 316 | 0.767 | 0.0 | 1.0   | 0.273 | 0.0 | 1.0 | 32.0 | 38.5 | -37.9 | 54.1 | 315 | 0.767 | 0.0 | 1.0   |
| 348                                                                                                                                                                                                                                       | 317        | 316        | 0.783                                                                                                                                                                                                                              | 0.0                        | 1.0               | 43.8                        | 66.9              | -14.1             | 68.4                         | 348               | 0.288             | 0.0 | 1.0 | 32.3 | 39.8 | -37.1 | 54.5 | 317 | 0.783 | 0.0 | 1.0   | 0.282 | 0.0 | 1.0 | 32.1 | 39.3 | -37.4 | 54.3 | 316 | 0.783 | 0.0 | 1.0   |
| 348                                                                                                                                                                                                                                       | 318        | 317        | 0.8                                                                                                                                                                                                                                | 0.0                        | 1.0               | 44.2                        | 67.3              | -13.7             | 68.7                         | 348               | 0.297             | 0.0 | 1.0 | 32.4 | 40.7 | -36.5 | 54.7 | 318 | 0.8   | 0.0 | 1.0   | 0.29  | 0.0 | 1.0 | 32.3 | 40.0 | -36.9 | 54.5 | 317 | 0.8   | 0.0 | 1.0   |
| 348                                                                                                                                                                                                                                       | 319        | 318        | 0.816                                                                                                                                                                                                                              | 0.0                        | 1.0               | 44.6                        | 67.8              | -13.3             | 69.1                         | 348               | 0.306             | 0.0 | 1.0 | 32.6 | 41.5 | -36.0 | 55.0 | 319 | 0.817 | 0.0 | 1.0   | 0.299 | 0.0 | 1.0 | 32.4 | 40.8 | -36.4 | 54.8 | 318 | 0.817 | 0.0 | 1.0   |
| 349                                                                                                                                                                                                                                       | 320        | 319        | 0.833                                                                                                                                                                                                                              | 0.0                        | 1.0               | 45.0                        | 68.3              | -12.9             | 69.5                         | 349               | 0.315             | 0.0 | 1.0 | 32.7 | 42.3 | -35.4 | 55.2 | 320 | 0.833 | 0.0 | 1.0   | 0.307 | 0.0 | 1.0 | 32.6 | 41.6 | -35.9 | 55.0 | 319 | 0.833 | 0.0 | 1.0   |
| 349                                                                                                                                                                                                                                       | 321        | 320        | 0.85                                                                                                                                                                                                                               | 0.0                        | 1.0               | 45.3                        | 68.8              | -12.5             | 69.9                         | 349               | 0.324             | 0.0 | 1.0 | 32.9 | 43.1 | -34.8 | 55.5 | 321 | 0.85  | 0.0 | 1.0   | 0.315 | 0.0 | 1.0 | 32.7 | 42.4 | -35.4 | 55.3 | 320 | 0.85  | 0.0 | 1.0   |
| 350                                                                                                                                                                                                                                       | 322        | 321        | 0.866                                                                                                                                                                                                                              | 0.0                        | 1.0               | 45.7                        | 69.2              | -12.1             | 70.3                         | 350               | 0.333             | 0.0 | 1.0 | 33.1 | 43.9 | -34.2 | 55.8 | 322 | 0.867 | 0.0 | 1.0   | 0.324 | 0.0 | 1.0 | 32.9 | 43.2 | -34.8 | 55.5 | 321 | 0.867 | 0.0 | 1.0   |
| 350                                                                                                                                                                                                                                       | 323        | 321        | 0.883                                                                                                                                                                                                                              | 0.0                        | 1.0               | 46.1                        | 69.7              | -11.7             | 70.7                         | 350               | 0.342             | 0.0 | 1.0 | 33.2 | 44.7 | -33.6 | 56.0 | 323 | 0.883 | 0.0 | 1.0   | 0.332 | 0.0 | 1.0 | 33.0 | 43.9 | -34.2 | 55.7 | 321 | 0.883 | 0.0 | 1.0   |
| 350                                                                                                                                                                                                                                       | 324        | 322        | 0.9                                                                                                                                                                                                                                | 0.0                        | 1.0               | 46.4                        | 70.1              | -11.2             | 71.0                         | 350               | 0.351             | 0.0 | 1.0 | 33.4 | 45.5 | -33.0 | 56.3 | 324 | 0.9   | 0.0 | 1.0   | 0.341 | 0.0 | 1.0 | 33.2 | 44.7 | -33.7 | 56.0 | 322 | 0.9   | 0.0 | 1.0   |
| 351                                                                                                                                                                                                                                       | 325        | 323        | 0.916                                                                                                                                                                                                                              | 0.0                        | 1.0               | 46.7                        | 70.6              | -10.8             | 71.4                         | 351               | 0.359             | 0.0 | 1.0 | 33.5 | 46.3 | -32.3 | 56.5 | 325 | 0.917 | 0.0 | 1.0   | 0.349 | 0.0 | 1.0 | 33.4 | 45.4 | -33.1 | 56.2 | 323 | 0.917 | 0.0 | 1.0   |
| 351                                                                                                                                                                                                                                       | 326        | 324        | 0.933                                                                                                                                                                                                                              | 0.0                        | 1.0               | 47.0                        | 71.0              | -10.3             | 71.8                         | 351               | 0.368             | 0.0 | 1.0 | 33.7 | 47.1 | -31.6 | 56.8 | 326 | 0.933 | 0.0 | 1.0   | 0.358 | 0.0 | 1.0 | 33.5 | 46.2 | -32.4 | 56.5 | 324 | 0.933 | 0.0 | 1.0   |
| 352                                                                                                                                                                                                                                       | 327        | 325        | 0.95                                                                                                                                                                                                                               | 0.0                        | 1.0               | 47.3                        | 71.5              | -9.9              | 72.2                         | 352               | 0.379             | 0.0 | 1.0 | 34.0 | 47.9 | -31.0 | 57.1 | 327 | 0.95  | 0.0 | 1.0   | 0.366 | 0.0 | 1.0 | 33.7 | 46.9 | -31.8 | 56.7 | 325 | 0.95  | 0.0 | 1.0   |
| 352                                                                                                                                                                                                                                       | 328        | 326        | 0.966                                                                                                                                                                                                                              | 0.0                        | 1.0               | 47.6                        | 71.9              | -9.4              | 72.5                         | 352               | 0.397             | 0.0 | 1.0 | 34.5 | 48.7 | -30.4 | 57.5 | 328 | 0.967 | 0.0 | 1.0   | 0.375 | 0.0 | 1.0 | 33.8 | 47.6 | -31.2 | 57.0 | 326 | 0.967 | 0.0 | 1.0   |
| 352                                                                                                                                                                                                                                       | 329        | 327        | 0.983                                                                                                                                                                                                                              | 0.0                        | 1.0               | 47.9                        | 72.4              | -9.0              | 72.9                         | 352               | 0.414             | 0.0 | 1.0 | 35.1 | 49.6 | -29.7 | 57.9 | 329 | 0.983 | 0.0 | 1.0   | 0.391 | 0.0 | 1.0 | 34.3 | 48.4 | -30.6 | 57.3 | 327 | 0.983 | 0.0 | 1.0   |
| 353                                                                                                                                                                                                                                       | 330        | 328        | 1.0                                                                                                                                                                                                                                | 0.0                        | 1.0               | 48.2                        | 72.8              | -8.5              | 73.3                         | 353               | 0.432             | 0.0 | 1.0 | 35.7 | 50.5 | -29.1 | 58.3 | 330 | 1.0   | 0.0 | 1.0   | 0.407 | 0.0 | 1.0 | 34.9 | 49.3 | -30.0 | 57.7 | 328 | 1.0   | 0.0 | 1.0   |
| 353                                                                                                                                                                                                                                       | 331        | 329        | 1.0                                                                                                                                                                                                                                | 0.0                        | 0.983             | 48.2                        | 72.7              | -7.9              | 73.1                         | 353               | 0.449             | 0.0 | 1.0 | 36.2 | 51.4 | -28.4 | 58.7 | 331 | 1.0   | 0.0 | 0.983 | 0.424 | 0.0 | 1.0 | 35.4 | 50.1 | -29.4 | 58.1 | 329 | 1.0   | 0.0 | 0.983 |
| 354                                                                                                                                                                                                                                       | 332        | 330        | 1.0                                                                                                                                                                                                                                | 0.0                        | 0.966             | 48.2                        | 72.5              | -7.4              | 72.9                         | 354               | 0.467             | 0.0 | 1.0 | 36.8 | 52.2 | -27.7 | 59.1 | 332 | 1.0   | 0.0 | 0.967 | 0.441 | 0.0 | 1.0 | 35.9 | 50.9 | -28.7 | 58.5 | 330 | 1.0   | 0.0 | 0.967 |
| 354                                                                                                                                                                                                                                       | 333        | 331        | 1.0                                                                                                                                                                                                                                | 0.0                        | 0.95              | 48.2                        | 72.4              | -6.8              | 72.7                         | 354               | 0.484             | 0.0 | 1.0 | 37.4 | 53.1 | -26.9 | 59.6 | 333 | 1.0   | 0.0 | 0.95  | 0.457 | 0.0 | 1.0 | 36.5 | 51.8 | -28.1 | 58.9 | 331 | 1.0   | 0.0 | 0.95  |
| 355                                                                                                                                                                                                                                       | 334        | 332        | 1.0                                                                                                                                                                                                                                | 0.0                        | 0.933             | 48.2                        | 72.2              | -6.2              | 72.5                         | 355               | 0.502             | 0.0 | 1.0 | 37.9 | 53.9 | -26.2 | 60.0 | 334 | 1.0   | 0.0 | 0.933 | 0.474 | 0.0 | 1.0 | 37.0 | 52.6 | -27.4 | 59.3 | 332 | 1.0   | 0.0 | 0.933 |
| 355                                                                                                                                                                                                                                       | 335        | 333        | 1.0                                                                                                                                                                                                                                | 0.0                        | 0.916             | 48.2                        | 72.0              | -5.7              | 72.3                         | 355               | 0.524             | 0.0 | 1.0 | 38.5 | 54.8 | -25.5 | 60.5 | 335 | 1.0   | 0.0 | 0.917 | 0.49  | 0.0 | 1.0 | 37.6 | 53.4 | -26.7 | 59.7 | 333 | 1.0   | 0.0 | 0.917 |
| 355                                                                                                                                                                                                                                       | 336        | 334        | 1.0                                                                                                                                                                                                                                | 0.0                        | 0.9               | 48.2                        | 71.9              | -5.1              | 72.1                         | 355               | 0.546             | 0.0 | 1.0 | 39.0 | 55.7 | -24.7 | 61.0 | 336 | 1.0   | 0.0 | 0.9   | 0.508 | 0.0 | 1.0 | 38.1 | 54.2 | -26.0 | 60.1 | 334 | 1.0   | 0.0 | 0.9   |
| 356                                                                                                                                                                                                                                       | 337        | 335        | 1.0                                                                                                                                                                                                                                | 0.0                        | 0.883             | 48.2                        | 71.7              | -4.6              | 71.8                         | 356               | 0.567             | 0.0 | 1.0 | 39.6 | 56.6 | -23.9 | 61.5 | 337 | 1.0   | 0.0 | 0.883 | 0.529 | 0.0 | 1.0 | 38.6 | 55.0 | -25.3 | 60.6 | 335 | 1.0   | 0.0 | 0.883 |
| 356                                                                                                                                                                                                                                       | 338        | 336        | 1.0                                                                                                                                                                                                                                | 0.0                        | 0.866             | 48.2                        | 71.5              | -4.0              | 71.7                         | 356               | 0.589             | 0.0 | 1.0 | 40.1 | 57.5 | -23.1 | 62.0 | 338 | 1.0   | 0.0 | 0.867 | 0.55  | 0.0 | 1.0 | 39.1 | 55.9 | -24.6 | 61.1 | 336 | 1.0   | 0.0 | 0.867 |
| 357                                                                                                                                                                                                                                       | 339        | 337        | 1.0                                                                                                                                                                                                                                | 0.0                        | 0.85              | 48.2                        | 71.4              | -3.3              | 71.5                         | 357               | 0.611             | 0.0 | 1.0 | 40.7 | 58.3 | -22.3 | 62.5 | 339 | 1.0   | 0.0 | 0.85  | 0.57  | 0.0 | 1.0 | 39.6 | 56.7 | -23.8 | 61.5 | 337 | 1.0   | 0.0 | 0.85  |
| 357                                                                                                                                                                                                                                       | 340        | 338        | 1.0                                                                                                                                                                                                                                | 0.0                        | 0.833             | 48.2                        | 71.3              | -2.7              | 71.3                         | 357               | 0.631             | 0.0 | 1.0 | 41.1 | 59.2 | -21.5 | 63.0 |     |       |     |       |       |     |     |      |      |       |      |     |       |     |       |

Daten der Maximalfarbe M im Farbmetrik-System Offset-Normdruck; Separation cmyn6\*, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben RYGBM<sub>s</sub>:  $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;  
Sechs Bunttonwinkel der Gerätefarben RYGBM<sub>d</sub>:  $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$ ; Sechs Bunttonwinkel der Elementarfarben RYGBM<sub>e</sub>:  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

| $h_{ab,d}$ | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{dd361M}$ | $LAB^*_{dd361Mi}(x=LabCh)$ | $rgb^*_{ds361Mi}$ | $LAB^*_{ds361Mi}(x=LabCh)$ | $rgb^*_{dd361Mi}$ | $LAB^*_{de361Mi}$ | $LAB^*_{dex361Mi}(x=LabCh)$ | $rgb^*_{dd361Mi}$ | $rgb^*_{de361Mi}$ |
|------------|------------|------------|------------------|----------------------------|-------------------|----------------------------|-------------------|-------------------|-----------------------------|-------------------|-------------------|
| 360        | 345        | 342        | 1.0              | 0.0                        | 0.75              | 48.1                       | 70.4              | 0.3               | 70.4                        | 360               | 0.75              |
| 361        | 346        | 343        | 1.0              | 0.0                        | 0.733             | 48.1                       | 70.3              | 1.3               | 70.3                        | 361               | 0.733             |
| 361        | 347        | 344        | 1.0              | 0.0                        | 0.716             | 48.1                       | 70.1              | 2.2               | 70.1                        | 361               | 0.717             |
| 362        | 348        | 345        | 1.0              | 0.0                        | 0.7               | 48.1                       | 69.9              | 3.1               | 70.0                        | 362               | 0.7               |
| 363        | 349        | 346        | 1.0              | 0.0                        | 0.683             | 48.1                       | 69.7              | 4.0               | 69.8                        | 363               | 0.683             |
| 364        | 350        | 347        | 1.0              | 0.0                        | 0.666             | 48.0                       | 69.5              | 4.9               | 69.7                        | 364               | 0.667             |
| 364        | 351        | 348        | 1.0              | 0.0                        | 0.65              | 48.0                       | 69.3              | 5.7               | 69.5                        | 364               | 0.65              |
| 365        | 352        | 349        | 1.0              | 0.0                        | 0.633             | 48.0                       | 69.0              | 6.6               | 69.3                        | 365               | 0.633             |
| 366        | 353        | 350        | 1.0              | 0.0                        | 0.616             | 48.0                       | 68.8              | 7.5               | 69.2                        | 366               | 0.617             |
| 367        | 354        | 351        | 1.0              | 0.0                        | 0.6               | 47.9                       | 68.7              | 8.5               | 69.2                        | 367               | 0.6               |
| 367        | 355        | 352        | 1.0              | 0.0                        | 0.583             | 47.9                       | 68.6              | 9.4               | 69.2                        | 367               | 0.583             |
| 368        | 356        | 353        | 1.0              | 0.0                        | 0.566             | 47.9                       | 68.4              | 10.3              | 69.2                        | 368               | 0.567             |
| 369        | 357        | 354        | 1.0              | 0.0                        | 0.55              | 47.8                       | 68.2              | 11.2              | 69.2                        | 369               | 0.55              |
| 370        | 358        | 355        | 1.0              | 0.0                        | 0.533             | 47.8                       | 68.1              | 12.1              | 69.1                        | 370               | 0.533             |
| 370        | 359        | 356        | 1.0              | 0.0                        | 0.516             | 47.7                       | 67.9              | 13.1              | 69.1                        | 370               | 0.517             |
| 371        | 360        | 352        | 1.0              | 0.0                        | 0.5               | 47.7                       | 67.7              | 14.0              | 69.1                        | 371               | 0.5               |
| 372        | 361        | 353        | 1.0              | 0.0                        | 0.483             | 47.7                       | 67.5              | 15.0              | 69.2                        | 372               | 0.483             |
| 373        | 362        | 354        | 1.0              | 0.0                        | 0.466             | 47.7                       | 67.3              | 16.1              | 69.2                        | 373               | 0.467             |
| 374        | 363        | 355        | 1.0              | 0.0                        | 0.45              | 47.7                       | 67.2              | 17.1              | 69.3                        | 374               | 0.45              |
| 375        | 364        | 356        | 1.0              | 0.0                        | 0.433             | 47.7                       | 67.0              | 18.2              | 69.4                        | 375               | 0.433             |
| 376        | 365        | 357        | 1.0              | 0.0                        | 0.416             | 47.7                       | 66.7              | 19.2              | 69.5                        | 376               | 0.417             |
| 376        | 366        | 358        | 1.0              | 0.0                        | 0.4               | 47.7                       | 66.5              | 20.3              | 69.5                        | 376               | 0.4               |
| 377        | 367        | 359        | 1.0              | 0.0                        | 0.383             | 47.7                       | 66.3              | 21.3              | 69.6                        | 377               | 0.383             |
| 378        | 368        | 360        | 1.0              | 0.0                        | 0.366             | 47.7                       | 66.1              | 22.3              | 69.7                        | 378               | 0.367             |
| 379        | 369        | 362        | 1.0              | 0.0                        | 0.35              | 47.7                       | 66.0              | 23.2              | 69.9                        | 379               | 0.35              |
| 380        | 370        | 363        | 1.0              | 0.0                        | 0.333             | 47.7                       | 65.8              | 24.2              | 70.2                        | 380               | 0.333             |
| 380        | 371        | 364        | 1.0              | 0.0                        | 0.316             | 47.7                       | 65.7              | 25.1              | 70.4                        | 380               | 0.317             |
| 381        | 372        | 365        | 1.0              | 0.0                        | 0.3               | 47.7                       | 65.6              | 26.0              | 70.6                        | 381               | 0.3               |
| 382        | 373        | 366        | 1.0              | 0.0                        | 0.283             | 47.7                       | 65.4              | 27.0              | 70.8                        | 382               | 0.283             |
| 383        | 374        | 367        | 1.0              | 0.0                        | 0.266             | 47.7                       | 65.2              | 27.9              | 71.0                        | 383               | 0.267             |
| 383        | 375        | 368        | 1.0              | 0.0                        | 0.25              | 47.7                       | 65.0              | 28.9              | 71.2                        | 383               | 0.25              |
| 384        | 376        | 369        | 1.0              | 0.0                        | 0.233             | 47.6                       | 65.0              | 29.7              | 71.5                        | 384               | 0.233             |
| 385        | 377        | 370        | 1.0              | 0.0                        | 0.216             | 47.6                       | 64.9              | 30.5              | 71.8                        | 385               | 0.217             |
| 385        | 378        | 372        | 1.0              | 0.0                        | 0.2               | 47.6                       | 64.9              | 31.4              | 72.1                        | 385               | 0.2               |
| 386        | 379        | 373        | 1.0              | 0.0                        | 0.183             | 47.5                       | 64.8              | 32.2              | 72.4                        | 386               | 0.183             |
| 387        | 380        | 374        | 1.0              | 0.0                        | 0.166             | 47.5                       | 64.7              | 33.0              | 72.7                        | 387               | 0.167             |
| 387        | 381        | 375        | 1.0              | 0.0                        | 0.15              | 47.5                       | 64.6              | 33.9              | 72.9                        | 387               | 0.15              |
| 388        | 382        | 376        | 1.0              | 0.0                        | 0.133             | 47.4                       | 64.5              | 34.7              | 73.2                        | 388               | 0.133             |
| 388        | 383        | 377        | 1.0              | 0.0                        | 0.116             | 47.4                       | 64.4              | 35.5              | 73.6                        | 388               | 0.117             |
| 389        | 384        | 378        | 1.0              | 0.0                        | 0.1               | 47.4                       | 64.3              | 36.3              | 73.9                        | 389               | 0.1               |
| 390        | 385        | 379        | 1.0              | 0.0                        | 0.083             | 47.4                       | 64.3              | 37.1              | 74.2                        | 390               | 0.083             |
| 390        | 386        | 381        | 1.0              | 0.0                        | 0.066             | 47.4                       | 64.2              | 37.9              | 74.6                        | 390               | 0.067             |
| 391        | 387        | 382        | 1.0              | 0.0                        | 0.049             | 47.4                       | 64.1              | 38.7              | 74.9                        | 391               | 0.05              |
| 391        | 388        | 383        | 1.0              | 0.0                        | 0.033             | 47.3                       | 64.0              | 39.5              | 75.3                        | 391               | 0.033             |
| 392        | 389        | 384        | 1.0              | 0.0                        | 0.016             | 47.3                       | 63.9              | 40.3              | 75.6                        | 392               | 0.017             |
| 392        | 390        | 385        | 1.0              | 0.0                        | 0.0               | 47.3                       | 63.8              | 41.2              | 76.0                        | 392               | 0.0               |

0-1131630-L0 QG950-73 LAB\*la0, YN=0%, XYZnw=2.4, 2.5, 2.6, 85.1, 88.8, 104.3, LAB\*nw=17.7, 0.0, 0.0, 95.5, 0.0, 0.0

Ausgabe: Offset-Normdruck; Separation cmyn6\*, D65, Seite 17/33

TUB-Prüfvorlage QG95; Bunttoncode:  $H^*_e=G50B_e$   
48-stufige Farbkreise;  $rgb-LabCh^*$ -Tabellen

Eingabe:  $rgb/cmyk \rightarrow rgb_{de}$   
Ausgabe: 3D-Linearisierung  $cmyk^*_{de}$

Siehe ähnliche Dateien: <http://130.149.60.45/~farbmetrik/QG95/QG95L0FP.PDF> /.PS  
Technische Information: <http://www.ps.bam.de> oder <http://130.149.60.45/~farbmetrik>

TUB-Registrierung: 20130201-QG95/QG95L0FP.PDF /.PS  
Anwendung für Messung von Offsetdruck-Ausgabe, Separation cmyn6\* (CMYK)  
TUB-Material: Code=rha4ta







http://130.149.60.45/~farbmatrik/QG95/QG95L0FP.PDF /PS; 3D-Linearisierung  
F: 3D-Linearisierung QG95/QG95LG30FP.DAT in Datei (F), Seite 21/33

[illegible]

QG950-7N, Seite 21/33-F

TUB-Prüfvorlage QG95; Bunttoncode: H\*<sub>e</sub>=G50B<sub>e</sub>

Eingabe:  $rgb/cmyk -> rgb_{de}$   
Ausgabe: 3D-Linearisierung  $cmyk^*_{de}$

delta







Eingabe:  $rgb/cmyk \rightarrow rgb_{de}$   
Ausgabe:  $3D\text{-Linearisierung } cmyk^*_{de}$















