

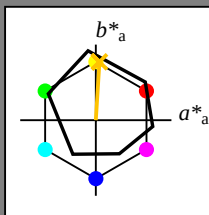
Ein- und Ausgabe: Offset-Reflektiv-System ORS18a für relativen CIELAB-Buntton $h_{ab,a,rel} = h_{ab}/360 = 86/360 = 0.24$

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

Bunttontext für die Farben
dieser Seite:

$H^*_m = R75Y_m$

Dreiecks-Helligkeit T^*



ORS18a; adaptierte CIELAB-Daten					
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _m ,Ma	47.9	65.3	50.5	82.6	37
Y _m ,Ma	90.3	-10.2	91.7	92.3	96
G _m ,Ma	50.9	-62.8	34.9	71.9	150
C _m ,Ma	58.6	-30.3	-45.0	54.2	236
B _m ,Ma	25.7	31.0	-44.4	54.2	305
M _m ,Ma	48.1	75.2	-8.3	75.7	353
N _m ,Ma	18.0	0.0	0.0	0.0	0
W _m ,Ma	95.4	0.0	0.0	0.0	0
R _m ,CIE	39.9	58.7	27.9	65.0	25
Y _m ,CIE	81.2	-2.8	71.5	71.6	92
G _m ,CIE	52.2	-42.4	13.6	44.5	162
B _m ,CIE	30.5	1.4	-46.4	46.4	271

Daten für Maximalfarbe (Ma):

$LabCh^*_{m,Ma}$: 80 4 77 77 86

$HIC^*_{m,Ma}$: R75Y_100_100

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

1.0 0.76 0.0 1.0 1.0

Dreiecks-Helligkeit T^*

%Umfang

$u^*_{rel} = 92$

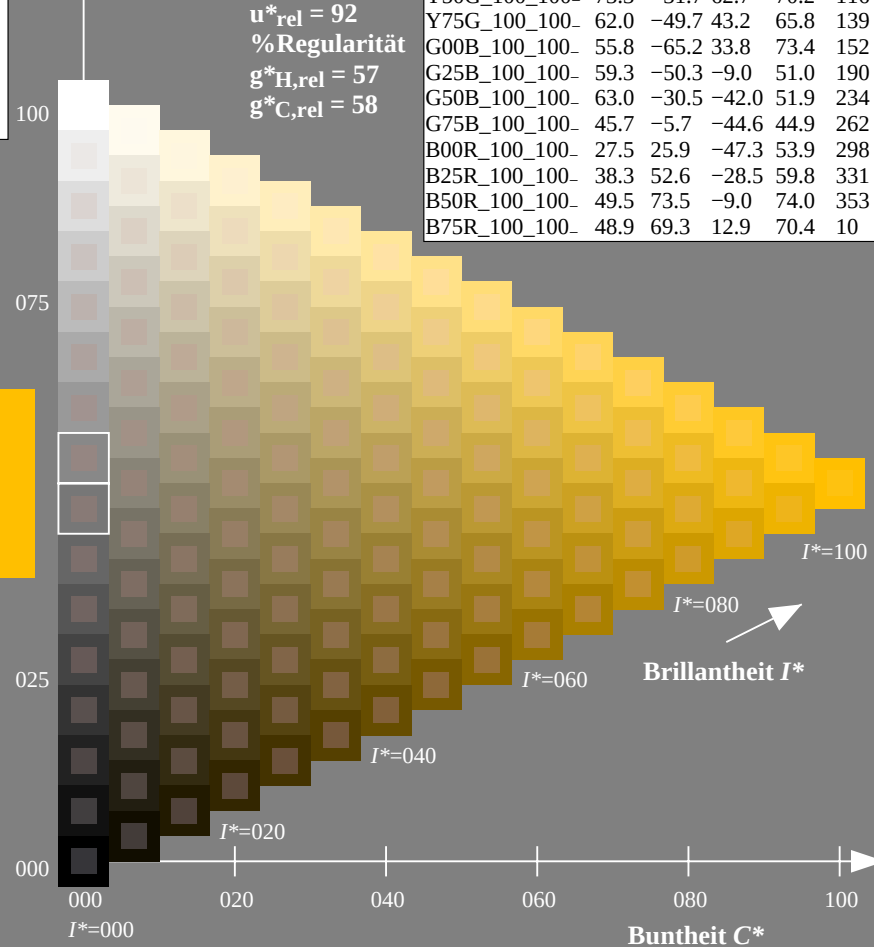
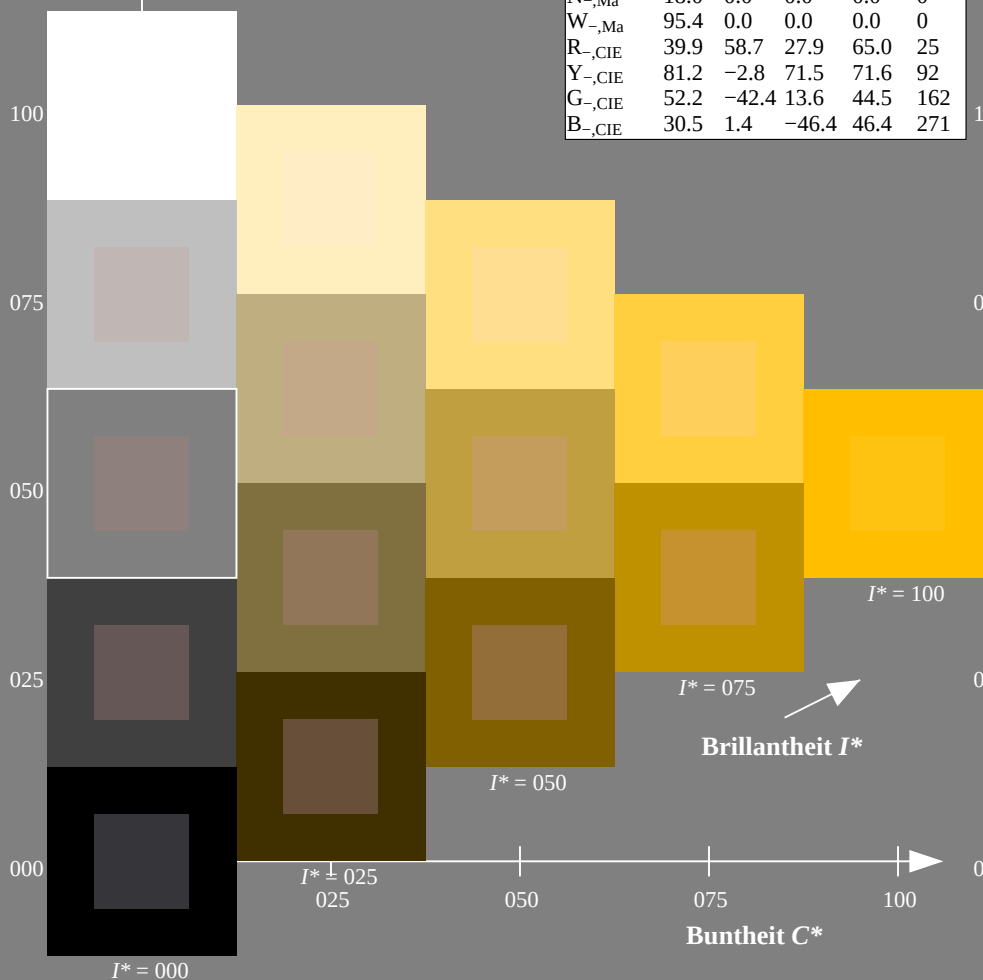
%Regularität

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

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

$H^*_m = R75Y_m$

ORS20a; adaptierte CIELAB-Daten					
H^*_m	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100	48.4	66.1	40.2	77.3	31
R25Y_100_100	56.8	48.0	50.5	69.6	46
R50Y_100_100	68.6	25.0	63.9	68.6	68
R75Y_100_100	80.6	4.8	77.2	77.3	86
Y00G_100_100	90.2	-9.6	88.2	88.7	96
Y25G_100_100	83.2	-18.4	79.9	81.9	102
Y50G_100_100	73.3	-31.7	62.7	70.2	116
Y75G_100_100	62.0	-49.7	43.2	65.8	139
G00B_100_100	55.8	-65.2	33.8	73.4	152
G25B_100_100	59.3	-50.3	-9.0	51.0	190
G50B_100_100	63.0	-30.5	-42.0	51.9	234
G75B_100_100	45.7	-5.7	-44.6	44.9	262
B00R_100_100	27.5	25.9	-47.3	53.9	298
B25R_100_100	38.3	52.6	-28.5	59.8	331
B50R_100_100	49.5	73.5	-9.0	74.0	353
B75R_100_100	48.9	69.3	12.9	70.4	10



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$H^*_d = R75Y_d$

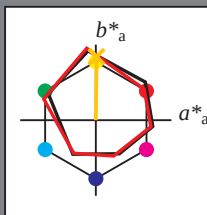
Daten für jede Geräte- (d) oder
Elementarfarbe (e):

HIC^*_d

Bunttontext für die Farben
dieser Seite:

$H^*_d = R75Y_d$

Dreiecks-Helligkeit T^*



ORS20a; adaptierte CIELAB-Daten					
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _d ,Ma	47.3	63.8	41.2	76.0	32
Y _d ,Ma	88.3	-11.9	95.1	95.8	97
G _d ,Ma	51.9	-68.8	28.1	74.3	157
C _d ,Ma	58.3	-29.2	-43.7	52.6	236
B _d ,Ma	25.3	23.5	-47.3	52.8	296
M _d ,Ma	48.2	72.8	-8.5	73.3	353
N _d ,Ma	17.7	0.0	0.0	0.0	0
W _d ,Ma	95.4	0.0	0.0	0.0	0
R _d ,CIE	39.9	58.7	27.9	65.0	25
Y _d ,CIE	81.2	-2.8	71.5	71.6	92
G _d ,CIE	52.2	-42.4	13.6	44.5	162
B _d ,CIE	30.5	1.4	-46.4	46.4	271

Daten für Maximalfarbe (Ma):

$LabCh^*_d, Ma$: 79 1 83 83 89

HIC^*_d, Ma : R75Y_100_100d

$rgbic^*_d, Ma$:

1.0 0.76 0.0 1.0 1.0

Dreiecks-Helligkeit T^*

%Umfang

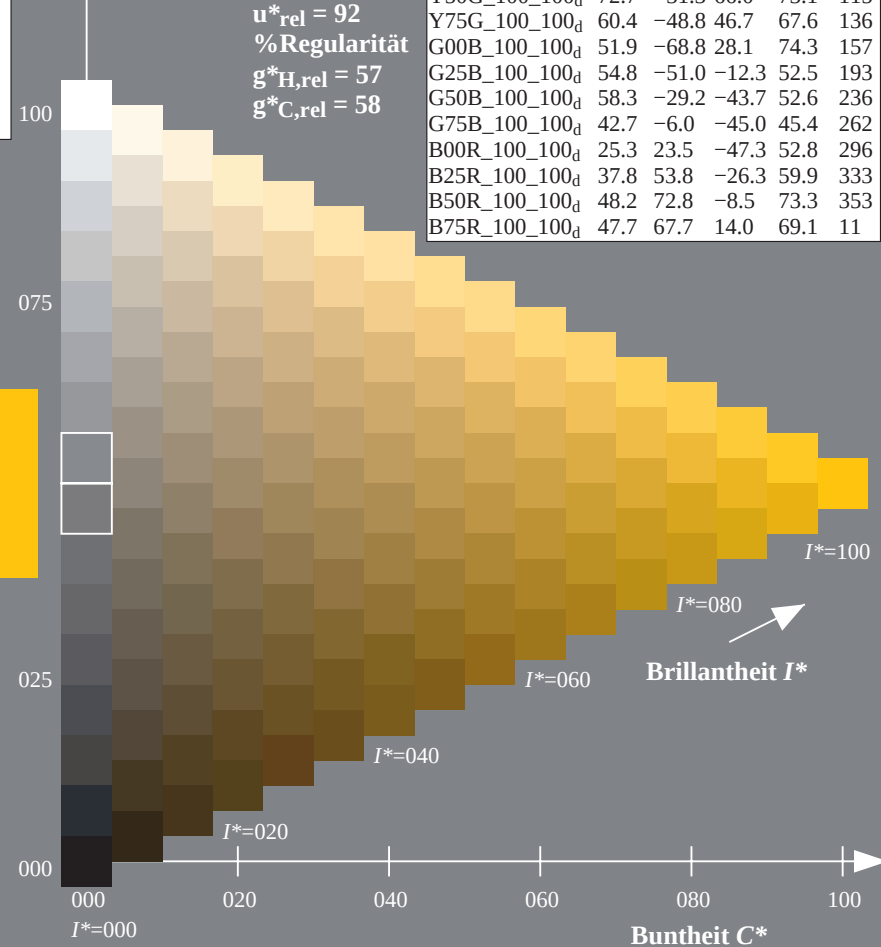
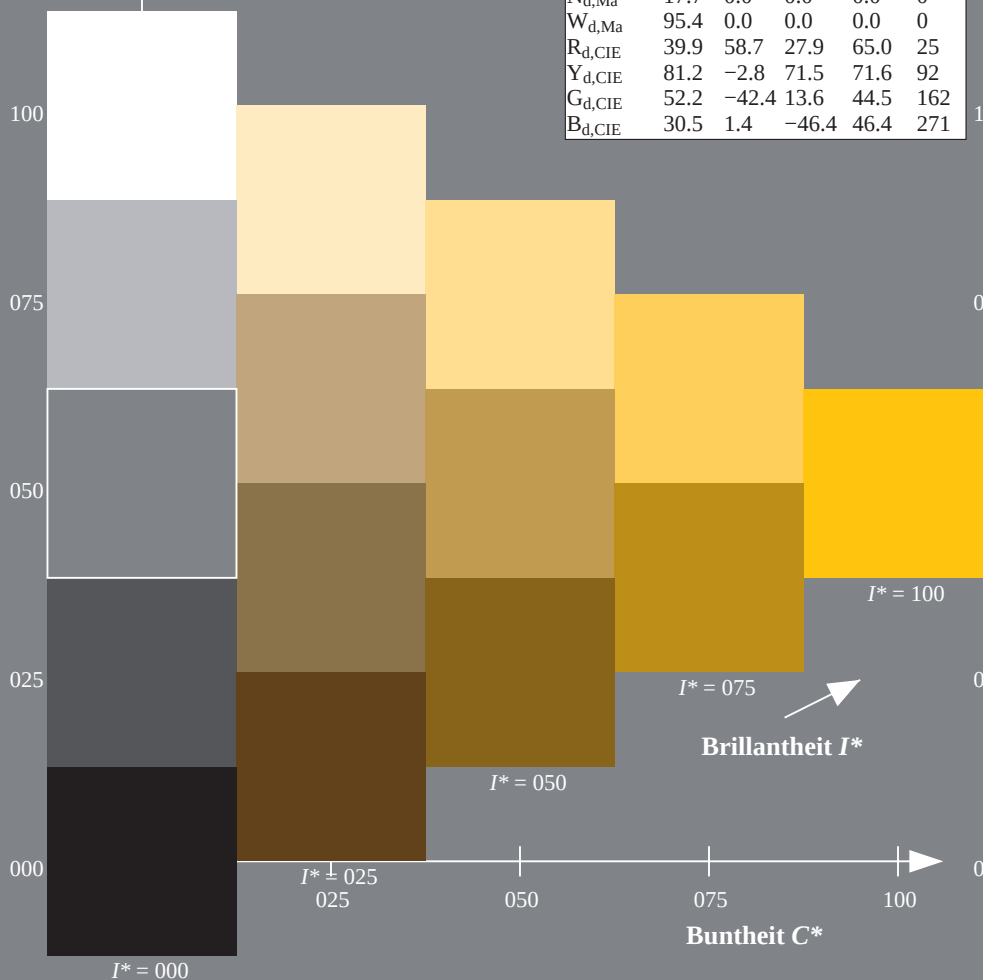
$u^*_{rel} = 92$

%Regularität

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

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

ORS20a; adaptierte CIELAB-Daten					
H^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100d	47.3	63.8	41.2	76.0	32
R25Y_100_100d	55.3	45.8	52.2	69.5	48
R50Y_100_100d	67.2	22.6	67.6	71.2	71
R75Y_100_100d	79.9	1.0	83.9	83.9	89
Y00G_100_100d	88.3	-11.9	95.1	95.8	97
Y25G_100_100d	83.3	-19.2	83.7	85.9	102
Y50G_100_100d	72.7	-31.3	66.0	73.1	115
Y75G_100_100d	60.4	-48.8	46.7	67.6	136
G00B_100_100d	51.9	-68.8	28.1	74.3	157
G25B_100_100d	54.8	-51.0	-12.3	52.5	193
G50B_100_100d	58.3	-29.2	-43.7	52.6	236
G75B_100_100d	42.7	-6.0	-45.0	45.4	262
B00R_100_100d	25.3	23.5	-47.3	52.8	296
B25R_100_100d	37.8	53.8	-26.3	59.9	333
B50R_100_100d	48.2	72.8	-8.5	73.3	353
B75R_100_100d	47.7	67.7	14.0	69.1	11



TUB-Prüfvorlage QG24; Bunttoncode: $H^*_d=R75Y_d$
Prüfvorlage nach DIN 33872, 3D=1, de=0, cmk^*

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

Ein- und Ausgabe: Offset-Reflektiv-System ORS18a für relativen CIELAB-Buntton $h_{ab,a,rel} = h_{ab}/360 = 89/360 = 0.24$

$H^*_d = R75Y_d$

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

HIC^*_d

Bunttontext für die Farben
dieser Seite:

$H^*_d = R75Y_d$

Dreiecks-Helligkeit T^*

Daten für Maximalfarbe (Ma):

$LabCh^*_{d,Ma}$: 79 1 83 83 89

$HIC^*_{d,Ma}$: R75Y_100_100_d

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

1.0 0.76 0.0 1.0 1.0

Dreiecks-Helligkeit T^*

%Umfang

$u^*_{rel} = 92$

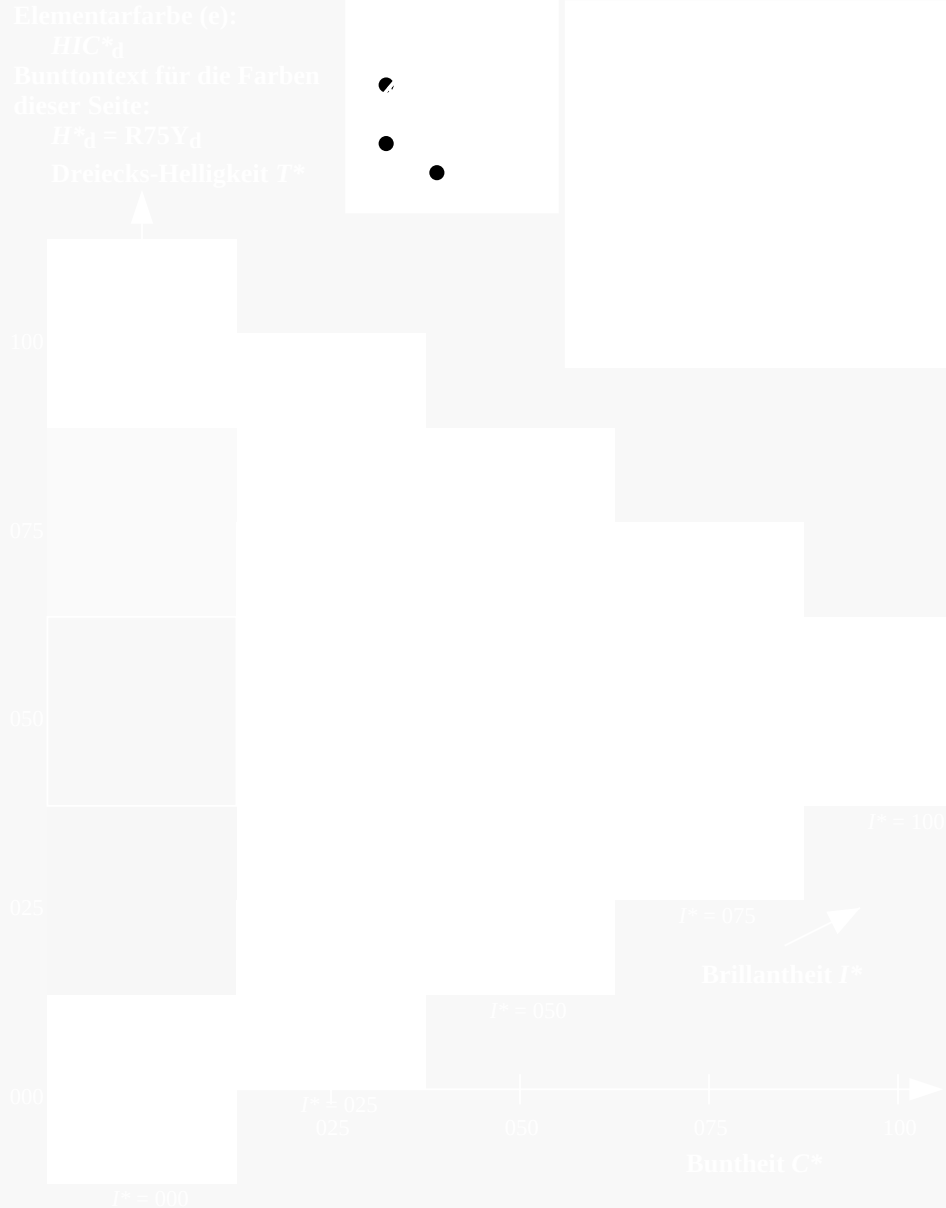
%Regularität

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

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

Siehe ähnliche Dateien: <http://130.149.60.45/~farbmetrik/QG24/QG24L0FP.PDF> /.PS
Technische Information: <http://www.ps.bam.de> oder <http://130.149.60.45/~farbmetrik>

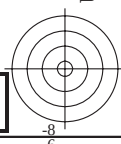
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Anwendung für Messung von Offsetdruck-Ausgabe, Separation $cmyn6^*$ (CMYK)



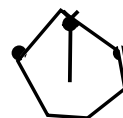
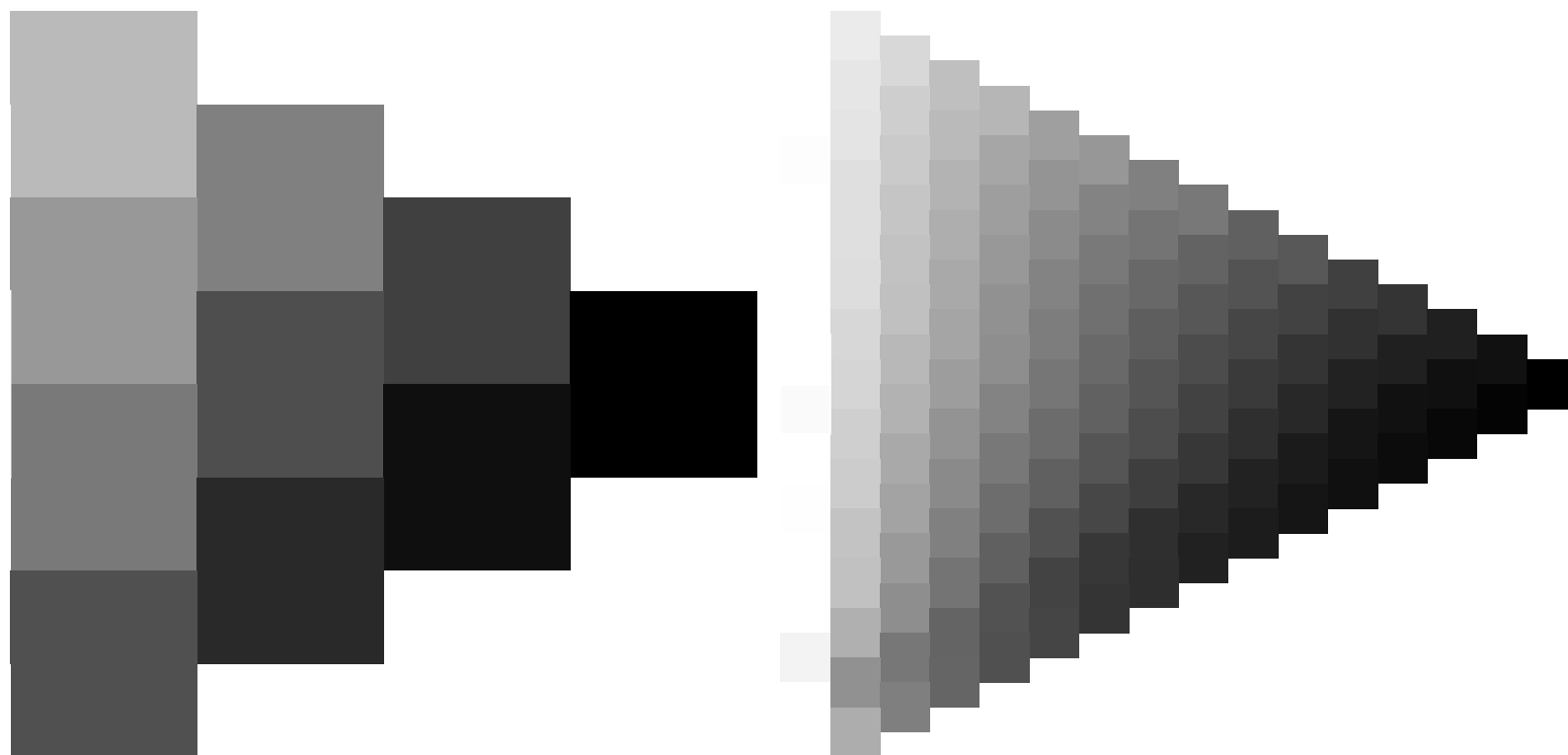
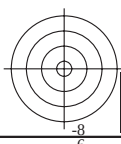
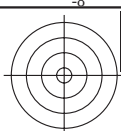
0-103230-L0 QG240-72

TUB-Prüfvorlage QG24; Bunttoncode: $H^*_d=R75Y_d$
Prüfvorlage nach DIN 33872, 3D=1, de=0, cmk^*

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

Eingabe: $rgb/cmyk \rightarrow rgb_{dd}$
Ausgabe: 3D-Linearisierung $cmyk_{dd}^*$ TUB-Prüfvorlage QG24; Bunttoncode: $H^*_d=R75Y_d$
Prüfvorlage nach DIN 33872, 3D=1, $de=0$, $cmyk^*$

0-103430-L0 QG240-72

<http://130.149.60.45/~farbmetrik/QG24/QG24L0FP.PDF> /.PS; 3D-Linearisierung
F: 3D-Linearisierung QG24/QG24LG30FP.DAT in Datei (F), Seite 5/33Siehe ähnliche Dateien: <http://130.149.60.45/~farbmetrik/QG24/QG24L0FP.PDF> /[.PS](http://130.149.60.45/~farbmetrik/QG24/QG24L0FP.PDF);
Technische Information: <http://www.ps.bam.de> oder <http://130.149.60.45/~farbmetrik>

Ein- und Ausgabe: Offset-Reflektiv-System ORS18a für relativen CIELAB-Buntton $h_{ab,a,rel} = h_{ab}/360 = 89/360 = 0.24$

$H^*_d = R75Y_d$

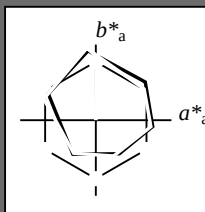
Daten für jede Geräte- (d) oder
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HIC^*_d

Bunttontext für die Farben
dieser Seite:

$H^*_d = R75Y_d$

Dreiecks-Helligkeit T^*



ORS20a; adaptierte CIELAB-Daten					
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{d,Ma}	47.3	63.8	41.2	76.0	32
Y _{d,Ma}	88.3	-11.9	95.1	95.8	97
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B _{d,Ma}	25.3	23.5	-47.3	52.8	296
M _{d,Ma}	48.2	72.8	-8.5	73.3	353
N _{d,Ma}	17.7	0.0	0.0	0.0	0
W _{d,Ma}	95.4	0.0	0.0	0.0	0
R _{d,CIE}	39.9	58.7	27.9	65.0	25
Y _{d,CIE}	81.2	-2.8	71.5	71.6	92
G _{d,CIE}	52.2	-42.4	13.6	44.5	162
B _{d,CIE}	30.5	1.4	-46.4	46.4	271

Daten für Maximalfarbe (Ma):

$LabCh^*_{d,Ma}$: 79 1 83 83 89

$HIC^*_{d,Ma}$: R75Y_100_100d

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

1.0 0.76 0.0 1.0 1.0

Dreiecks-Helligkeit T^*

%Umfang

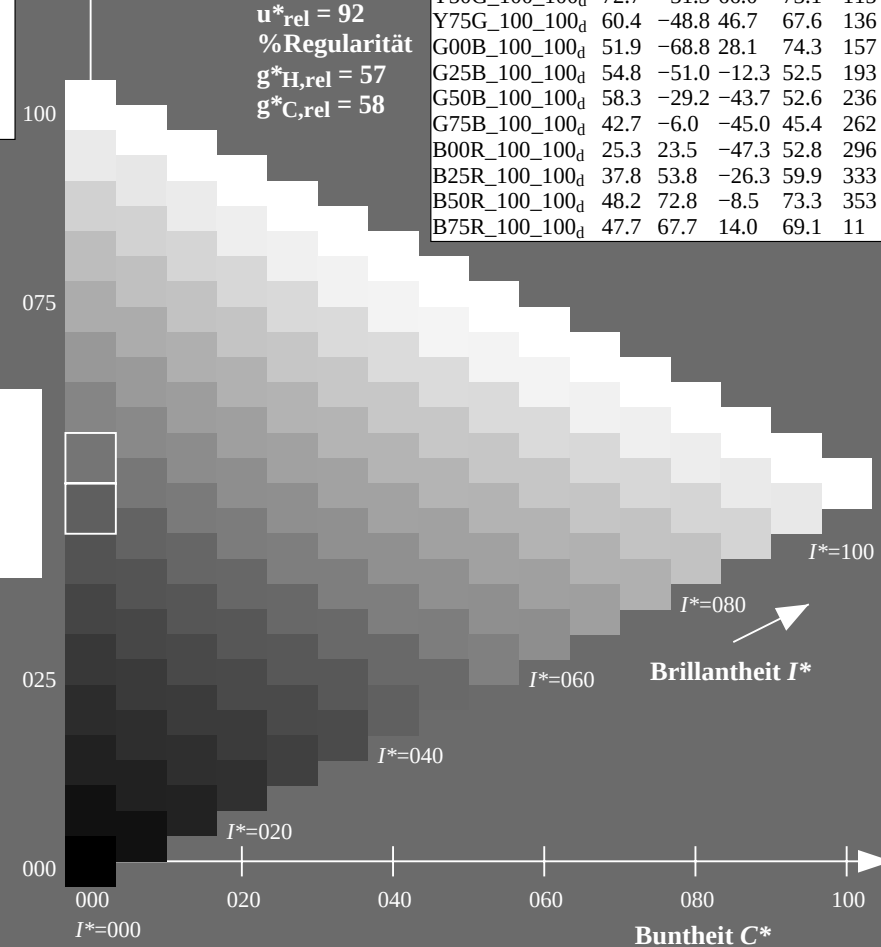
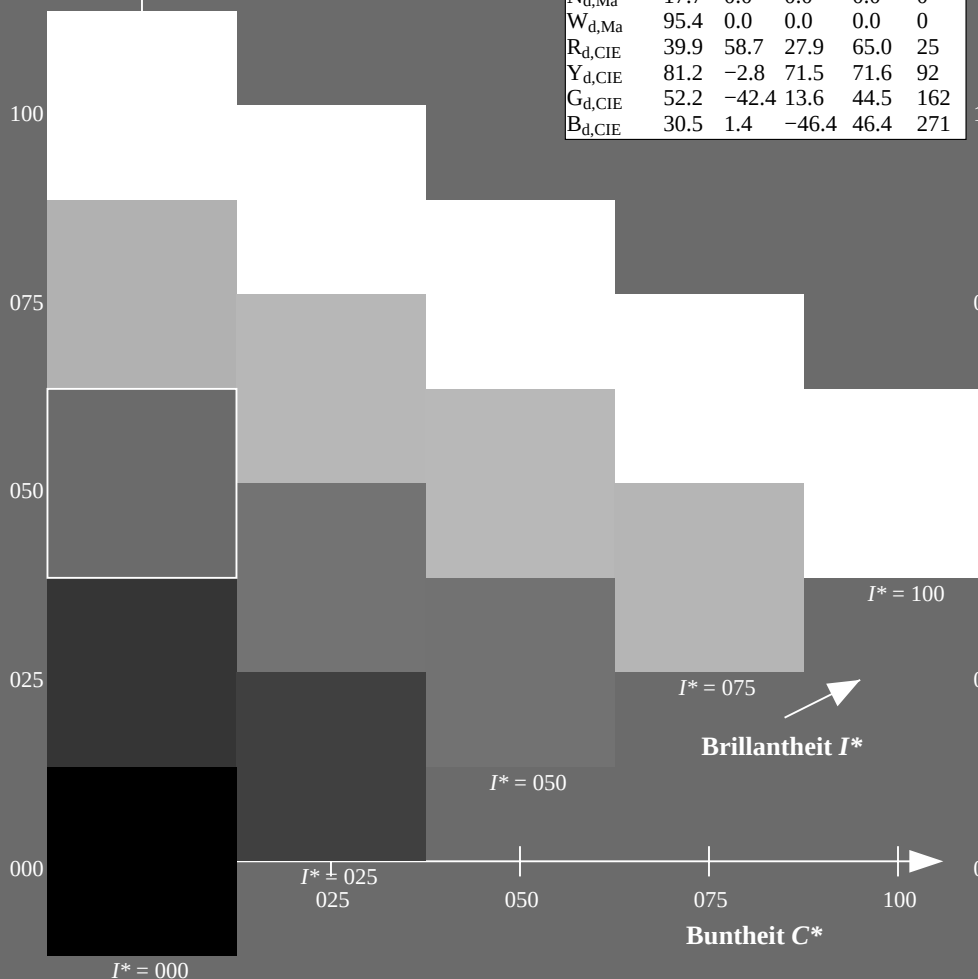
$u^*_{rel} = 92$

%Regularität

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

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

ORS20a; adaptierte CIELAB-Daten					
H^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100d	47.3	63.8	41.2	76.0	32
R25Y_100_100d	55.3	45.8	52.2	69.5	48
R50Y_100_100d	67.2	22.6	67.6	71.2	71
R75Y_100_100d	79.9	1.0	83.9	83.9	89
Y00G_100_100d	88.3	-11.9	95.1	95.8	97
Y25G_100_100d	83.3	-19.2	83.7	85.9	102
Y50G_100_100d	72.7	-31.3	66.0	73.1	115
Y75G_100_100d	60.4	-48.8	46.7	67.6	136
G00B_100_100d	51.9	-68.8	28.1	74.3	157
G25B_100_100d	54.8	-51.0	-12.3	52.5	193
G50B_100_100d	58.3	-29.2	-43.7	52.6	236
G75B_100_100d	42.7	-6.0	-45.0	45.4	262
B00R_100_100d	25.3	23.5	-47.3	52.8	296
B25R_100_100d	37.8	53.8	-26.3	59.9	333
B50R_100_100d	48.2	72.8	-8.5	73.3	353
B75R_100_100d	47.7	67.7	14.0	69.1	11



TUB-Prüfvorlage QG24; Bunttoncode: $H^*_d=R75Y_d$
Prüfvorlage nach DIN 33872, 3D=1, de=0, cmk^*

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

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_d 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_d 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_d 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_d 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_d 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_d 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_e 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_e 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_e 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_e 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_e 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_e 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_s 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_s 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_s 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_s 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_s 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_s 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 the 1. 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 colours die sieben Bunttonwinkel der 60 Grad-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 colours die 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 $h_{ab,d}$ see the following tables, columns 1 to 5 or 1 to 4. siehe die folgenden Tabellen, Spalten 1 bis 5 oder 1 bis 4.
- The values 6. Die Werte rgb^*_e produce the output of the device-independent elementary hues erzeugen die Ausgabe der geräteunabhängigen

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

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*	$dd64M$	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	163
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

0-103730-L0 QG240-72 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 QG24; Bunttoncode: H*d=R75Yd
48-stufige Farbkreise; $rgb-LabCh$ -Tabellen

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

TUB-Registrierung: 20130201-QG24/QG24L0FP.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 $RYGCBM_s$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
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 $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	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	32.8			1.0	0.0	0.209	47.6	64.9	30.9	71.9	25						
40.4	37.5	33.8	1.0	0.125	0.0	51.2	54.9	46.7	72.1	40.4	40.4			1.0	0.007	0.0	47.6	63.4	41.6	75.8	33						
50.0	45.0	42.1	1.0	0.25	0.0	56.0	44.4	53.0	69.1	50.0	50.0			1.0	0.148	0.0	52.1	53.0	48.1	71.6	42						
61.1	52.5	50.5	1.0	0.375	0.0	61.4	33.2	60.3	68.8	61.1	61.1			1.0	0.25	0.0	56.0	44.5	53.0	69.2	49						
71.4	60.0	58.8	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4	71.4			1.0	0.35	0.0	60.3	35.6	59.0	69.0	58						
81.7	67.5	67.2	1.0	0.625	0.0	73.6	11.0	76.1	76.9	81.7	81.7			1.0	0.442	0.0	64.5	27.8	64.5	70.2	66						
88.5	75.0	75.6	1.0	0.75	0.0	79.2	2.0	83.0	83.1	88.5	88.5			1.0	0.55	0.0	69.8	18.3	71.3	73.6	75						
93.6	82.5	83.9	1.0	0.875	0.0	84.2	-5.7	89.4	89.6	93.6	93.6			1.0	0.655	0.0	75.0	9.0	77.9	78.5	83						
97.1	90.0	92.3	1.0	1.0	0.0	88.3	-11.9	95.1	95.8	97.1	97.1			1.0	0.842	0.0	83.0	-3.4	87.8	87.9	92						
100.3	97.5	101.0	0.875	1.0	0.0	85.8	-16.2	88.6	90.0	100.3	100.3			0.871	1.0	0.0	85.8	-16.2	88.4	89.9	100						
103.3	105.0	109.7	0.75	1.0	0.0	82.9	-19.7	83.0	85.3	103.3	103.3			0.599	1.0	0.0	76.2	-26.6	74.3	78.9	109						
108.3	112.5	118.5	0.625	1.0	0.0	77.0	-25.2	76.3	80.4	108.3	108.3			0.455	1.0	0.0	71.4	-33.4	63.2	71.6	117						
115.3	120.0	127.2	0.5	1.0	0.0	72.7	-31.3	66.0	73.1	115.3	115.3			0.327	1.0	0.0	65.8	-41.3	54.4	68.4	127						
122.4	127.5	136.0	0.375	1.0	0.0	68.9	-36.9	58.1	68.8	122.4	122.4			0.244	1.0	0.0	60.7	-48.1	47.5	67.6	135						
134.9	135.0	144.7	0.25	1.0	0.0	60.8	-47.8	47.8	67.6	134.9	134.9			0.124	1.0	0.0	57.4	-54.9	38.9	67.4	144						
144.6	142.5	153.4	0.125	1.0	0.0	57.4	-54.9	38.9	67.3	144.6	144.6			0.047	1.0	0.0	54.0	-63.8	32.7	71.7	152						
157.7	150.0	162.2	0.0	1.0	0.0	51.9	-68.8	28.1	74.3	157.7	157.7			0.0	1.0	0.093	52.4	-67.0	21.5	70.5	162						
163.7	157.5	169.0	0.0	1.0	0.125	52.5	-66.4	19.3	69.1	163.7	163.7			0.0	1.0	0.209	53.1	-63.5	12.8	64.9	168						
170.9	165.0	175.9	0.0	1.0	0.25	53.2	-61.9	9.8	62.7	170.9	170.9			0.0	1.0	0.311	53.7	-59.7	4.3	59.9	175						
181.0	172.5	182.7	0.0	1.0	0.375	54.1	-56.9	-1.0	56.9	181.0	181.0			0.0	1.0	0.387	54.2	-56.4	-2.2	56.5	182						
193.5	180.0	189.6	0.0	1.0	0.5	54.8	-51.0	-12.3	52.5	193.5	193.5			0.0	1.0	0.46	54.6	-53.1	-8.9	54.0	189						
205.9	187.5	196.4	0.0	1.0	0.625	55.8	-45.1	-21.9	50.1	205.9	205.9			0.0	1.0	0.524	55.0	-50.0	-14.3	52.1	195						
218.4	195.0	203.2	0.0	1.0	0.75	56.7	-38.9	-30.9	49.7	218.4	218.4			0.0	1.0	0.598	55.6	-46.5	-19.9	50.7	203						
227.3	202.5	210.1	0.0	1.0	0.875	57.5	-34.3	-37.2	50.6	227.3	227.3			0.0	1.0	0.662	56.1	-43.4	-24.7	50.1	209						
236.1	210.0	216.9	0.0	1.0	1.0	58.3	-29.2	-43.7	52.6	236.1	236.1			0.0	1.0	0.736	56.7	-39.7	-29.9	49.8	216						
240.3	217.5	223.8	0.0	0.875	1.0	55.2	-25.0	-43.9	50.5	240.3	240.3			0.0	1.0	0.819	57.2	-36.4	-34.4	50.3	223						
245.8	225.0	230.6	0.0	0.75	1.0	51.7	-19.7	-44.1	48.3	245.8	245.8			0.0	1.0	0.922	57.9	-32.5	-39.7	51.4	230						
252.5	232.5	237.5	0.0	0.625	1.0	47.7	-13.9	-44.4	46.5	252.5	252.5			0.0	0.974	1.0	57.7	-28.3	-43.7	52.2	237						
262.3	240.0	244.3	0.0	0.5	1.0	42.7	-6.0	-45.0	45.4	262.3	262.3			0.0	0.785	1.0	52.7	-21.1	-44.1	49.0	244						
271.7	247.5	251.2	0.0	0.375	1.0	37.9	1.3	-45.4	45.4	271.7	271.7			0.0	0.659	1.0	48.9	-15.4	-44.3	47.1	250						
281.6	255.0	258.0	0.0	0.25	1.0	33.3	9.4	-46.0	47.0	281.6	281.6			0.0	0.555	1.0	45.0	-9.4	-44.8	45.9	258						
290.3	262.5	264.8	0.0	0.125	1.0	28.6	17.4	-46.9	50.1	290.3	290.3			0.0	0.472	1.0	41.7	-4.3	-45.1	45.4	264						
296.4	270.0	271.7	0.0	0.0	1.0	25.3	23.5	-47.3	52.8	296.4	296.4			0.0	0.375	1.0	37.9	1.4	-45.3	45.5	271						
306.7	277.5	278.8	0.125	0.0	1.0	29.3	31.8	-42.6	53.1	306.7	306.7			0.0	0.291	1.0	34.9	6.8	-45.9	46.5	278						
312.7	285.0	285.9	0.25	0.0	1.0	31.5	36.2	-39.2	53.4	312.7	312.7			0.0	0.188	1.0	31.0	13.3	-46.6	48.5	285						
326.7	292.5	293.0	0.375	0.0	1.0	33.8	47.6	-31.2	56.9	326.7	326.7			0.0	0.079	1.0	27.4	19.6	-47.1	51.1	292						
333.9	300.0	300.1	0.5	0.0	1.0	37.8	53.8	-26.3	59.9	333.9	333.9			0.046	0.0	1.0	26.8	26.6	-45.7	53.0	300						
339.6	307.5	307.2	0.625	0.0	1.0	40.9	58.8	-21.8	62.7	339.6	339.6			0.126	0.0	1.0	29.4	31.9	-42.5	53.2	306						
347.2	315.0	314.3	0.75	0.0	1.0	43.1	65.9	-14.9	67.6	347.2	347.2			0.265	0.0	1.0	31.8	37.7	-38.4	53.8	314						
350.2	322.5	321.4	0.875	0.0	1.0	45.9	69.4	-11.9	70.5	350.2	350.2			0.324	0.0	1.0	32.9	43.2	-34.8	55.5	321						
353.3	330.0	328.6	1.0	0.0	1.0	48.2	72.8	-8.5	73.3	353.3	353.3			0.407	0.0	1.0	34.9	49.3	-30.0	57.7	328						
356.5	337.5	335.7	1.0	0.0	0.875	48.2	71.6	-4.3	71.7	356.5	356.5			0.529	0.0	1.0	38.6	55.0	-25.3	60.6	335						
360.3	345.0	342.8	1.0	0.0	0.75	48.1	70.4	0.3	70.4	360.3	360.3			0.678	0.0	1.0	41.9	61.9	-19.0	64.8	342						
365.8	352.5	349.9	1.0	0.0	0.625	48.0	68.9	7.1	69.3	365.8	365.8			0.842	0.0	1.0	45.2	68.6	-12.7	69.8	349						
371.6	360.0	357.0	1.0	0.0	0.5	47.7	67.7	14.0	69.1	371.6	371.6			0.949	0.0	1.0	47.3	71.5	-9.9	72.2	352						
378.2	367.5	364.1	1.0	0.0	0.375	47.7	66.1	21.8	69.6	378.2	378.2			1.0	0.0	0.765	48.2	70.6	-0.1	70.6	359						
383.9	375.0	371.2	1.0	0.0	0.25	47.7	65.0	28.9	71.2	383.9	383.9			1.0	0.0	0.563	47.9	68.4	10.6	69.2	368						
388.6	382.5	378.3	1.0	0.0	0.125	47.4	64.4	35.1	73.4	388.6	388.6			1.0	0.0	0.408	47.8	66.7	19.8	69.6	376						
392.8	390.0	385.4	1.0	0.0	0.0	47.3	63.8	41.2	76.0	392.8	392.8			1.0	0.0	0.209	47.6	64.9	30.9	71.9	385						

0-103830-L0 QG240-72 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 QG24; Bunttoncode: H*d=R75Yd
48-stufige Farbkreise; $rgb-LabCh^*$ -Tabellen

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

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

TUB-Registrierung: 20130201-QG24/QG24L0FP.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_s: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Sechs Bunttonwinkel der Gerätefarben RYGBM_d: $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$; Sechs Bunttonwinkel der Elementarfarben RYGBM_e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}	$LAB^*_{dd361M}(x=LabCh)$	R_d	$rgb^*_{ds361Mi}$	$LAB^*_{ds361Mi}(x=LabCh)$	$rgb^*_{dd361Mi}$	$LAB^*_{de361Mi}$	R_e	$rgb^*_{dd361Mi}$	$LAB^*_{dex361Mi}(x=LabCh)$	$rgb^*_{dd361Mi}$	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

0-103930-L0 QG240-72 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 10/33

TUB-Prüfvorlage QG24; Bunttoncode: H*d=R75Yd
48-stufige Farbkreise; $rgb-LabCh$ -Tabellen

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

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

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}	$LAB^*_{dd361Mi}(x=LabCh)$	$rgb^*_{ds361Mi}$	$LAB^*_{ds361Mi}(x=LabCh)$	$rgb^*_{dd361Mi}$	$LAB^*_{de361Mi}$	$rgb^*_{dd361Mi}$	$LAB^*_{dex361Mi}(x=LabCh)$	$rgb^*_{dd361Mi}$
88	75	75	1.0	0.75 0.0	79.2	2.0	83.0	83.1	88	1.0	0.75 0.0
89	76	76	1.0	0.766 0.0	79.9	1.0	83.9	83.9	89	1.0	0.767 0.0
89	77	77	1.0	0.783 0.0	80.6	0.0	84.8	84.8	89	1.0	0.783 0.0
90	78	78	1.0	0.8 0.0	81.2	-0.9	85.7	85.7	90	1.0	0.8 0.0
91	79	80	1.0	0.816 0.0	81.9	-1.9	86.5	86.5	91	1.0	0.817 0.0
91	80	81	1.0	0.833 0.0	82.6	-3.0	87.4	87.4	91	1.0	0.833 0.0
92	81	82	1.0	0.85 0.0	83.2	-4.0	88.2	88.3	92	1.0	0.85 0.0
93	82	83	1.0	0.866 0.0	83.9	-5.1	89.0	89.2	93	1.0	0.867 0.0
93	83	84	1.0	0.883 0.0	84.5	-6.1	89.8	90.0	93	1.0	0.883 0.0
94	84	85	1.0	0.9 0.0	85.1	-6.9	90.6	90.8	94	1.0	0.9 0.0
94	85	86	1.0	0.916 0.0	85.6	-7.7	91.3	91.7	94	1.0	0.917 0.0
95	86	87	1.0	0.933 0.0	86.1	-8.5	92.1	92.5	95	1.0	0.933 0.0
95	87	88	1.0	0.95 0.0	86.7	-9.3	92.9	93.3	95	1.0	0.95 0.0
96	88	90	1.0	0.966 0.0	87.2	-10.2	93.6	94.2	96	1.0	0.967 0.0
96	89	91	1.0	0.983 0.0	87.8	-11.1	94.3	95.0	96	1.0	0.983 0.0
97	90	92	1.0	1.0 0.0	88.3	-11.9	95.1	95.8	97	1.0	1.0 0.0
97	91	93	0.983	1.0 0.0	88.0	-12.5	94.2	95.1	97	1.0	0.983 1.0 0.0
98	92	94	0.966	1.0 0.0	87.7	-13.1	93.4	94.3	98	1.0	0.967 1.0 0.0
98	93	95	0.95	1.0 0.0	87.3	-13.7	92.5	93.5	98	1.0	0.95 1.0 0.0
98	94	96	0.933	1.0 0.0	87.0	-14.3	91.6	92.7	98	1.0	0.933 1.0 0.0
99	95	98	0.916	1.0 0.0	86.6	-14.8	90.8	92.0	99	1.0	0.917 1.0 0.0
99	96	99	0.9	1.0 0.0	86.3	-15.4	89.9	91.2	99	1.0	0.9 1.0 0.0
100	97	100	0.883	1.0 0.0	86.0	-15.9	89.0	90.4	100	1.0	0.883 1.0 0.0
100	98	101	0.866	1.0 0.0	85.6	-16.4	88.2	89.7	100	1.0	0.867 1.0 0.0
100	99	102	0.85	1.0 0.0	85.2	-16.9	87.4	89.1	100	1.0	0.85 1.0 0.0
101	100	103	0.833	1.0 0.0	84.8	-17.4	86.7	88.4	101	1.0	0.833 1.0 0.0
101	101	105	0.816	1.0 0.0	84.5	-17.9	86.0	87.8	101	1.0	0.817 1.0 0.0
102	102	106	0.8	1.0 0.0	84.1	-18.3	85.2	87.2	102	1.0	0.8 1.0 0.0
102	103	107	0.783	1.0 0.0	83.7	-18.8	84.5	86.5	102	1.0	0.783 1.0 0.0
102	104	108	0.766	1.0 0.0	83.3	-19.2	83.7	85.9	102	1.0	0.767 1.0 0.0
103	105	109	0.75	1.0 0.0	82.9	-19.7	83.0	85.3	103	1.0	0.75 1.0 0.0
104	106	110	0.733	1.0 0.0	82.2	-20.5	82.1	84.6	104	1.0	0.733 1.0 0.0
104	107	112	0.716	1.0 0.0	81.4	-21.3	81.2	84.0	104	1.0	0.717 1.0 0.0
105	108	113	0.7	1.0 0.0	80.6	-22.0	80.3	83.3	105	1.0	0.7 1.0 0.0
106	109	114	0.683	1.0 0.0	79.8	-22.8	79.5	82.7	106	1.0	0.683 1.0 0.0
106	110	115	0.666	1.0 0.0	79.0	-23.5	78.6	82.0	106	1.0	0.667 1.0 0.0
107	111	116	0.65	1.0 0.0	78.2	-24.2	77.7	81.4	107	1.0	0.65 1.0 0.0
107	112	117	0.633	1.0 0.0	77.4	-24.9	76.8	80.7	107	1.0	0.633 1.0 0.0
108	113	119	0.616	1.0 0.0	76.8	-25.7	75.6	79.9	108	1.0	0.617 1.0 0.0
109	114	120	0.6	1.0 0.0	76.2	-26.6	74.3	78.9	109	1.0	0.6 1.0 0.0
110	115	121	0.583	1.0 0.0	75.6	-27.5	72.9	78.0	110	1.0	0.583 1.0 0.0
111	116	122	0.566	1.0 0.0	75.0	-28.3	71.6	77.0	111	1.0	0.567 1.0 0.0
112	117	123	0.55	1.0 0.0	74.5	-29.1	70.2	76.0	112	1.0	0.55 1.0 0.0
113	118	124	0.533	1.0 0.0	73.9	-29.9	68.8	75.0	113	1.0	0.533 1.0 0.0
114	119	126	0.516	1.0 0.0	73.3	-30.6	67.4	74.1	114	1.0	0.517 1.0 0.0
115	120	127	0.5	1.0 0.0	72.7	-31.3	66.0	73.1	115	1.0	0.5 1.0 0.0

0-1031030-L0 QG240-72 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 11/33

TUB-Prüfvorlage QG24; Bunttoncode: H*d=R75Yd
48-stufige Farbkreise; $rgb-LabCh^*$ -Tabellen

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

TUB-Registrierung: 20130201-QG24/QG24L0FP.PDF /.PS
Anwendung für Messung von Offsetdruck-Ausgabe, Separation cmy6* (CMYK)
TUB-Material: Code=rh4ta

Daten der Maximalfarbe M im Farbmimetrik-System Offset-Normdruck; Separation cmyn6*, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben RYGBM_s: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;

Sechs Buntonwinkel der Gerätefarben RYGBM _d : $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$; Sechs Buntonwinkel der Elementarfarben RYGBM _e : $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$												rgb*												
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb* dd361M	LAB* ddx361Mi (x=LabCh)	rgb* ds361Mi	LAB* dsx361Mi (x=LabCh)	rgb* dd361Mi	LAB* dex361Mi (x=LabCh)	rgb* dd361Mi	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	0.4	1.0	0.0											
116	121	128	0.483	1.0	0.0	72.2	-32.1	65.0	72.5	116	0.4	1.0	0.0											
117	122	129	0.466	1.0	0.0	71.7	-32.9	63.9	71.9	117	0.383	1.0	0.0											
118	123	130	0.45	1.0	0.0	71.2	-33.7	62.9	71.4	118	0.369	1.0	0.0											
119	124	131	0.433	1.0	0.0	70.7	-34.5	61.8	70.8	119	0.359	1.0	0.0											
120	125	133	0.416	1.0	0.0	70.2	-35.2	60.8	70.2	120	0.349	1.0	0.0											
121	126	134	0.4	1.0	0.0	69.6	-35.9	59.7	69.6	121	0.339	1.0	0.0											
121	127	135	0.383	1.0	0.0	69.1	-36.5	58.6	69.1	121	0.329	1.0	0.0											
123	128	136	0.366	1.0	0.0	68.3	-37.7	57.4	68.7	123	0.319	1.0	0.0											
124	129	137	0.35	1.0	0.0	67.3	-39.2	56.2	68.6	124	0.309	1.0	0.0											
126	130	138	0.333	1.0	0.0	66.2	-40.8	54.9	68.4	126	0.299	1.0	0.0											
128	131	140	0.316	1.0	0.0	65.1	-42.3	53.6	68.2	128	0.289	1.0	0.0											
129	132	141	0.3	1.0	0.0	64.0	-43.7	52.2	68.1	129	0.28	1.0	0.0											
131	133	142	0.283	1.0	0.0	63.0	-45.1	50.8	67.9	131	0.27	1.0	0.0											
133	134	143	0.266	1.0	0.0	61.9	-46.5	49.3	67.8	133	0.26	1.0	0.0											
134	135	144	0.25	1.0	0.0	60.8	-47.8	47.8	67.6	134	0.249	1.0	0.0											
136	136	145	0.233	1.0	0.0	60.4	-48.8	46.7	67.6	136	0.237	1.0	0.0											
137	137	147	0.216	1.0	0.0	59.9	-49.8	45.6	67.5	137	0.224	1.0	0.0											
138	138	148	0.2	1.0	0.0	59.4	-50.8	44.4	67.5	138	0.211	1.0	0.0											
140	139	149	0.183	1.0	0.0	59.0	-51.8	43.2	67.4	140	0.198	1.0	0.0											
141	140	150	0.166	1.0	0.0	58.5	-52.7	42.0	67.4	141	0.185	1.0	0.0											
142	141	151	0.15	1.0	0.0	58.1	-53.6	40.8	67.4	142	0.172	1.0	0.0											
144	142	152	0.133	1.0	0.0	57.6	-54.5	39.5	67.3	144	0.159	1.0	0.0											
145	143	154	0.116	1.0	0.0	57.0	-55.9	38.3	67.8	145	0.147	1.0	0.0											
147	144	155	0.1	1.0	0.0	56.3	-57.8	37.1	68.7	147	0.134	1.0	0.0											
149	145	156	0.083	1.0	0.0	55.5	-59.7	35.8	69.6	149	0.122	1.0	0.0											
150	146	157	0.066	1.0	0.0	54.8	-61.6	34.4	70.6	150	0.112	1.0	0.0											
152	147	158	0.049	1.0	0.0	54.1	-63.4	32.9	71.5	152	0.103	1.0	0.0											
154	148	159	0.033	1.0	0.0	53.4	-65.3	31.4	72.4	154	0.093	1.0	0.0											
156	149	161	0.016	1.0	0.0	52.6	-67.1	29.8	73.4	156	0.084	1.0	0.0											
157	150	162	0.0	1.0	0.0	51.9	-68.8	28.1	74.3	157	0.074	1.0	0.0											
158	151	163	0.0	1.0	0.016	52.0	-68.5	26.9	73.6	158	0.065	1.0	0.0											
159	152	164	0.0	1.0	0.033	52.1	-68.3	25.7	72.9	159	0.055	1.0	0.0											
160	153	164	0.0	1.0	0.05	52.2	-68.0	24.5	72.2	160	0.046	1.0	0.0											
160	154	165	0.0	1.0	0.066	52.2	-67.6	23.3	71.6	160	0.036	1.0	0.0											
161	155	166	0.0	1.0	0.083	52.3	-67.3	22.1	70.9	161	0.027	1.0	0.0											
162	156	167	0.0	1.0	0.1	52.4	-66.9	21.0	70.2	162	0.017	1.0	0.0											
163	157	168	0.0	1.0	0.116	52.5	-66.6	19.9	69.5	163	0.008	1.0	0.0											
164	158	169	0.0	1.0	0.133	52.6	-66.1	18.6	68.7	164	0.0	1.0	0.004	52.0	-68.7	27.8	74.2	158	0.0	1.0	0.133	0.0	1.0	0.133
165	159	170	0.0	1.0	0.15	52.7	-65.6	17.3	67.9	165	0.0	1.0	0.025	52.1	-68.3	26.3	73.3	159	0.0	1.0	0.15	0.0	1.0	0.15
166	160	171	0.0	1.0	0.166	52.8	-65.0	16.0	67.0	166	0.0	1.0	0.046	52.2	-68.0	24.8	72.4	160	0.0	1.0	0.167	0.0	1.0	0.167
167	161	172	0.0	1.0	0.183	52.9	-64.5	14.7	66.1	167	0.0	1.0	0.067	52.3	-67.6	23.3	71.6	161	0.0	1.0	0.183	0.0	1.0	0.183
168	162	173	0.0	1.0	0.2	53.0	-63.9	13.4	65.3	168	0.0	1.0	0.088	52.4	-67.1	21.8	70.7	162	0.0	1.0	0.2	0.0	1.0	0.2
169	163	174	0.0	1.0	0.216	53.1	-63.3	12.2	64.4	169	0.0	1.0	0.109	52.5	-66.7	20.4	69.8	163	0.0	1.0	0.217	0.0	1.0	0.217
170	164	175	0.0	1.0	0.233	53.2	-62.6	11.0	63.6	170	0.0	1.0	0.129	52.6	-66.2	19.0	69.0	164	0.0	1.0	0.233	0.0	1.0	0.233
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	0.0	1.0	0.25

QG240-72	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
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TUB-Prüfvorlage QG24; Bunttoncode: H*d=R75Yd
48-stufige Farbkreise; *rgb-LabCh**-Tabellen

Eingabe: $rgb/cmyk \rightarrow rgb_{dd}$

Ausgabe: 3D-Linearisierung $cmyk^*_{dd}$

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

Daten der Maximalfarbe M im Farbmimetrik-System Offset-Normdruck; Separation cmyk*, 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 _{CBM} d: $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$; Sechs Bunttonwinkel der Elementarfarben RYGB _{CBM} 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 (x=LabCh)}	rgb^* _{ds361Mi}	LAB^* _{sxx361Mi (x=LabCh)}	rgb^* _{dd361Mi}	LAB^* _{dxx361Mi (x=LabCh)}	rgb^* _{dd361Mi}	LAB^* _{sxx361Mi (x=LabCh)}	rgb^* _{dd361Mi}	rgb^*_d	rgb^*_s	rgb^*_e		
170	165	175	0.0	1.0	0.25	53.2	-61.9	9.8	62.7	170	0.0	1.0	0.25			
172	166	176	0.0	1.0	0.266	53.4	-61.4	8.2	61.9	172	0.0	1.0	0.267			
173	167	177	0.0	1.0	0.283	53.5	-60.8	6.7	61.2	173	0.0	1.0	0.283			
175	168	178	0.0	1.0	0.3	53.6	-60.2	5.2	60.4	175	0.0	1.0	0.3			
176	169	179	0.0	1.0	0.316	53.7	-59.5	3.7	59.6	176	0.0	1.0	0.317			
177	170	180	0.0	1.0	0.333	53.8	-58.8	2.3	58.9	177	0.0	1.0	0.333			
179	171	181	0.0	1.0	0.35	53.9	-58.1	0.9	58.1	179	0.0	1.0	0.35			
180	172	182	0.0	1.0	0.366	54.0	-57.3	-0.4	57.3	180	0.0	1.0	0.367			
181	173	183	0.0	1.0	0.383	54.1	-56.6	-1.8	56.6	181	0.0	1.0	0.383			
183	174	184	0.0	1.0	0.4	54.2	-55.9	-3.5	56.0	183	0.0	1.0	0.4			
185	175	185	0.0	1.0	0.416	54.3	-55.2	-5.0	55.5	185	0.0	1.0	0.417			
186	176	185	0.0	1.0	0.433	54.4	-54.5	-6.6	54.9	186	0.0	1.0	0.433			
188	177	186	0.0	1.0	0.45	54.5	-53.7	-8.0	54.3	188	0.0	1.0	0.45			
190	178	187	0.0	1.0	0.466	54.6	-52.8	-9.5	53.7	190	0.0	1.0	0.467			
191	179	188	0.0	1.0	0.483	54.7	-52.0	-10.9	53.1	191	0.0	1.0	0.483			
193	180	189	0.0	1.0	0.5	54.8	-51.0	-12.3	52.5	193	0.0	1.0	0.5			
195	181	190	0.0	1.0	0.516	54.9	-50.4	-13.7	52.2	195	0.0	1.0	0.517			
196	182	191	0.0	1.0	0.533	55.1	-49.6	-15.0	51.9	196	0.0	1.0	0.533			
198	183	192	0.0	1.0	0.55	55.2	-48.9	-16.3	51.6	198	0.0	1.0	0.55			
200	184	193	0.0	1.0	0.566	55.3	-48.1	-17.6	51.2	200	0.0	1.0	0.567			
201	185	194	0.0	1.0	0.583	55.5	-47.3	-18.9	50.9	201	0.0	1.0	0.583			
203	186	195	0.0	1.0	0.6	55.6	-46.4	-20.1	50.6	203	0.0	1.0	0.6			
205	187	195	0.0	1.0	0.616	55.7	-45.5	-21.3	50.3	205	0.0	1.0	0.617			
206	188	196	0.0	1.0	0.633	55.8	-44.7	-22.5	50.1	206	0.0	1.0	0.633			
208	189	197	0.0	1.0	0.65	56.0	-44.0	-23.8	50.1	208	0.0	1.0	0.65			
210	190	198	0.0	1.0	0.666	56.1	-43.2	-25.0	50.0	210	0.0	1.0	0.667			
211	191	199	0.0	1.0	0.683	56.2	-42.4	-26.3	49.9	211	0.0	1.0	0.683			
213	192	200	0.0	1.0	0.7	56.3	-41.6	-27.5	49.9	213	0.0	1.0	0.7			
215	193	201	0.0	1.0	0.716	56.5	-40.8	-28.6	49.8	215	0.0	1.0	0.717			
216	194	202	0.0	1.0	0.733	56.6	-39.9	-29.8	49.8	216	0.0	1.0	0.733			
218	195	203	0.0	1.0	0.75	56.7	-38.9	-30.9	49.7	218	0.0	1.0	0.75			
219	196	204	0.0	1.0	0.766	56.8	-38.4	-31.7	49.8	219	0.0	1.0	0.767			
220	197	205	0.0	1.0	0.783	56.9	-37.8	-32.6	49.9	220	0.0	1.0	0.783			
221	198	206	0.0	1.0	0.8	57.0	-37.2	-33.5	50.1	221	0.0	1.0	0.8			
223	199	206	0.0	1.0	0.816	57.1	-36.6	-34.3	50.2	223	0.0	1.0	0.817			
224	200	207	0.0	1.0	0.833	57.3	-36.0	-35.2	50.3	224	0.0	1.0	0.833			
225	201	208	0.0	1.0	0.85	57.4	-35.3	-36.0	50.4	225	0.0	1.0	0.85			
226	202	209	0.0	1.0	0.866	57.5	-34.6	-36.8	50.6	226	0.0	1.0	0.867			
227	203	210	0.0	1.0	0.883	57.6	-34.0	-37.7	50.8	227	0.0	1.0	0.883			
229	204	211	0.0	1.0	0.9	57.7	-33.4	-38.6	51.0	229	0.0	1.0	0.9			
230	205	212	0.0	1.0	0.916	57.8	-32.8	-39.4	51.3	230	0.0	1.0	0.917			
231	206	213	0.0	1.0	0.933	57.9	-32.1	-40.3	51.6	231	0.0	1.0	0.933			
232	207	214	0.0	1.0	0.95	58.0	-31.4	-41.2	51.8	232	0.0	1.0	0.95			
233	208	215	0.0	1.0	0.966	58.1	-30.7	-42.0	52.1	233	0.0	1.0	0.967			
235	209	216	0.0	1.0	0.983	58.2	-30.0	-42.9	52.3	235	0.0	1.0	0.983			
236	210	216	0.0	1.0	1.0	58.3	-29.2	-43.7	52.6	236	0.0	1.0	1.0			

0-1031230-L0	QG240-72	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
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Ausgabe: Offset-Normdruck; Separation cmyn6*, D65, Seite 13/33

TUB-Prüfvorlage QG24; Bunttoncode: H*d=R75Yd
48-stufige Farbkreise; *rgb-LabCh**-Tabellen

Eingabe: $rgb/cmyk \rightarrow rgb_{dd}$

Ausgabe: 3D-Linearisierung $cmyk^*_{dd}$

Daten der Maximalfarbe M im Farbmetrik-System Offset-Normdruck; Separation cmyn6*, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben RYGCMB _s : $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;																		Sechs Bunttonwinkel der Gerätefarben RYGCMB _d : $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$; Sechs Bunttonwinkel der Elementarfarben RYGCMB _e : $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$																	
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}	$LAB^*_{ddx361Mi}(x=LabCh)$	$rgb^*_{ds361Mi}$	$LAB^*_{dsx361Mi}(x=LabCh)$	$rgb^*_{dd361Mi}$	$LAB^*_{de361Mi}$	$rgb^*_{dex361Mi}(x=LabCh)$	$rgb^*_{dd361Mi}$	$rgb^*_{de361Mi}$	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}																		
236	210	216	0.0	1.0	1.0	58.3	-29.2	-43.7	52.6	236	C_d	0.0	1.0	0.666	56.1	-43.2	-24.9	50.0	210	C_s	0.0	1.0	1.0	0.0	1.0	0.736	56.7	-39.7	-29.9	49.8	216	C_e	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						

Daten der Maximalfarbe M im Farbmetrik-System Offset-Normdruck; Separation cmykn6*, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben RYGBCM_s: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Sechs Bunttonwinkel der Gerätefarben RYGBCM_d: $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$; Sechs Bunttonwinkel der Elementarfarben RYGBCM_e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

Danktonwinkler bei Geratfallen bei R100Dm2g										Danktonwinkler bei Geratfallen bei R100Dm2g										Danktonwinkler bei Geratfallen bei R100Dm2g										Danktonwinkler bei Geratfallen bei R100Dm2g																																																																																																																																																																																																																																																																																																																																																																													
hab,d	hab,s	hab,e	rgb* dd361Mi	LAB* dex361Mi (x=LabCh)	rgb* ds361Mi	LAB* dsx361Mi (x=LabCh)	rgb* dd361Mi	LAB* dex361Mi (x=LabCh)	rgb* ds361Mi	LAB* dsx361Mi (x=LabCh)	rgb* dd361Mi	LAB* dex361Mi (x=LabCh)	rgb* ds361Mi	LAB* dsx361Mi (x=LabCh)	rgb* dd361Mi	LAB* dex361Mi (x=LabCh)	rgb* ds361Mi	LAB* dsx361Mi (x=LabCh)	rgb* dd361Mi	LAB* dex361Mi (x=LabCh)	rgb* ds361Mi	LAB* dsx361Mi (x=LabCh)	rgb* dd361Mi	LAB* dex361Mi (x=LabCh)	rgb* ds361Mi	LAB* dsx361Mi (x=LabCh)	rgb* dd361Mi	LAB* dex361Mi (x=LabCh)	rgb* ds361Mi	LAB* dsx361Mi (x=LabCh)	rgb* dd361Mi	LAB* dex361Mi (x=LabCh)	rgb* ds361Mi	LAB* dsx361Mi (x=LabCh)	rgb* dd361Mi	LAB* dex361Mi (x=LabCh)	rgb* ds361Mi	LAB* dsx361Mi (x=LabCh)	rgb* dd361Mi	LAB* dex361Mi (x=LabCh)	rgb* ds361Mi	LAB* dsx361Mi (x=LabCh)	rgb* dd361Mi	LAB* dex361Mi (x=LabCh)	rgb* ds361Mi	LAB* dsx361Mi (x=LabCh)	rgb* dd361Mi	LAB* dex361Mi (x=LabCh)	rgb* ds361Mi	LAB* dsx361Mi (x=LabCh)	rgb* dd361Mi	LAB* dex361Mi (x=LabCh)	rgb* ds361Mi	LAB* dsx361Mi (x=LabCh)	rgb* dd361Mi	LAB* 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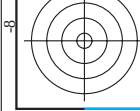
Daten der Maximalfarbe M im Farbmetrik-System Offset-Normdruck; Separation cmyn6*, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben RYGBCM _s : $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;			Sechs Bunttonwinkel der Gerätefarben RYGBCM _d : $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$; Sechs Bunttonwinkel der Elementarfarben RYGBCM _e : $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$																													
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}	$LAB^*_{d361Mi} (x=LabCh)$	$rgb^*_{ds361Mi}$	$LAB^*_{ds361Mi} (x=LabCh)$	$rgb^*_{dd361Mi}$	$LAB^*_{de361Mi}$	$LAB^*_{dex361Mi} (x=LabCh)$	$rgb^*_{dd361Mi}$	$rgb^*_{dd361Mi}$																					
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_s: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Sechs Bunttonwinkel der Gerätefarben RYGBM_d: $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$; Sechs Bunttonwinkel der Elementarfarben RYGBM_e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

Sechs Bunttonwinkel der Gerätefarben RYCCBM _d : $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$; Sechs Bunttonwinkel der Elementarfarben RYCCBM _e : $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$																							
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}	$LAB^*_{ddx361Mi}$ (x=LabCh)	$rgb^*_{ds361Mi}$	$LAB^*_{dsx361Mi}$ (x=LabCh)	$rgb^*_{dd361Mi}$	$rgb^*_{de361Mi}$	$LAB^*_{dex361Mi}$ (x=LabCh)	$rgb^*_{dd361Mi}$	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}										
360	345	342	1.0	0.0	0.75	48.1	70.4	0.3	70.4	360	0.713	0.0	1.0										
361	346	343	1.0	0.0	0.733	48.1	70.3	1.3	70.3	361	0.73	0.0	1.0										
361	347	344	1.0	0.0	0.716	48.1	70.1	2.2	70.1	361	0.746	0.0	1.0										
362	348	345	1.0	0.0	0.7	48.1	69.9	3.1	70.0	362	0.782	0.0	1.0										
363	349	346	1.0	0.0	0.683	48.1	69.7	4.0	69.8	363	0.823	0.0	1.0										
364	350	347	1.0	0.0	0.666	48.0	69.5	4.9	69.7	364	0.864	0.0	1.0										
364	351	348	1.0	0.0	0.65	48.0	69.3	5.7	69.5	364	0.905	0.0	1.0										
365	352	349	1.0	0.0	0.633	48.0	69.0	6.6	69.3	365	0.946	0.0	1.0										
366	353	350	1.0	0.0	0.616	48.0	68.8	7.5	69.2	366	0.988	0.0	1.0										
367	354	351	1.0	0.0	0.6	47.9	68.7	8.5	69.2	367	1.0	0.0	0.973										
367	355	352	1.0	0.0	0.583	47.9	68.6	9.4	69.2	367	1.0	0.0	0.935										
368	356	353	1.0	0.0	0.566	47.9	68.4	10.3	69.2	368	1.0	0.0	0.896										
369	357	354	1.0	0.0	0.55	47.8	68.2	11.2	69.2	369	1.0	0.0	0.86										
370	358	355	1.0	0.0	0.533	47.8	68.1	12.1	69.1	370	1.0	0.0	0.827										
370	359	356	1.0	0.0	0.516	47.7	67.9	13.1	69.1	370	1.0	0.0	0.794										
371	360	352	1.0	0.0	0.5	47.7	67.7	14.0	69.1	371	1.0	0.0	0.761										
372	361	353	1.0	0.0	0.483	47.7	67.5	15.0	69.2	372	1.0	0.0	0.735										
373	362	354	1.0	0.0	0.466	47.7	67.3	16.1	69.2	373	1.0	0.0	0.712										
374	363	355	1.0	0.0	0.45	47.7	67.2	17.1	69.3	374	1.0	0.0	0.69										
375	364	356	1.0	0.0	0.433	47.7	67.0	18.2	69.4	375	1.0	0.0	0.667										
376	365	357	1.0	0.0	0.416	47.7	66.7	19.2	69.5	376	1.0	0.0	0.645										
376	366	358	1.0	0.0	0.4	47.7	66.5	20.3	69.5	376	1.0	0.0	0.623										
377	367	359	1.0	0.0	0.383	47.7	66.3	21.3	69.6	377	1.0	0.0	0.601										
378	368	360	1.0	0.0	0.366	47.7	66.1	22.3	69.7	378	1.0	0.0	0.58										
379	369	362	1.0	0.0	0.35	47.7	66.0	23.2	69.9	379	1.0	0.0	0.558										
380	370	363	1.0	0.0	0.333	47.7	65.8	24.2	70.2	380	1.0	0.0	0.536										
380	371	364	1.0	0.0	0.316	47.7	65.7	25.1	70.4	380	1.0	0.0	0.515										
381	372	365	1.0	0.0	0.3	47.7	65.6	26.0	70.6	381	1.0	0.0	0.494										
382	373	366	1.0	0.0	0.283	47.7	65.4	27.0	70.8	382	1.0	0.0	0.475										
383	374	367	1.0	0.0	0.266	47.7	65.2	27.9	71.0	383	1.0	0.0	0.456										
383	375	368	1.0	0.0	0.25	47.7	65.0	28.9	71.2	383	1.0	0.0	0.437										
384	376	369	1.0	0.0	0.233	47.6	65.0	29.7	71.5	384	1.0	0.0	0.418										
385	377	370	1.0	0.0	0.216	47.6	64.9	30.5	71.8	385	1.0	0.0	0.399										
385	378	372	1.0	0.0	0.2	47.6	64.9	31.4	72.1	385	1.0	0.0	0.38										
386	379	373	1.0	0.0	0.183	47.5	64.8	32.2	72.4	386	1.0	0.0	0.359										
387	380	374	1.0	0.0	0.166	47.5	64.7	33.0	72.7	387	1.0	0.0	0.337										
387	381	375	1.0	0.0	0.15	47.5	64.6	33.9	72.9	387	1.0	0.0	0.315										
388	382	376	1.0	0.0	0.133	47.4	64.5	34.7	73.2	388	1.0	0.0	0.293										
388	383	377	1.0	0.0	0.116	47.4	64.4	35.5	73.6	388	1.0	0.0	0.271										
389	384	378	1.0	0.0	0.1	47.4	64.3	36.3	73.9	389	1.0	0.0	0.249										
390	385	379	1.0	0.0	0.083	47.4	64.3	37.1	74.2	390	1.0	0.0	0.222										
390	386	381	1.0	0.0	0.066	47.4	64.2	37.9	74.6	390	1.0	0.0	0.195										
391	387	382	1.0	0.0	0.049	47.4	64.1	38.7	74.9	391	1.0	0.0	0.169										
391	388	383	1.0	0.0	0.033	47.3	64.0	39.5	75.3	391	1.0	0.0	0.142										
392	389	384	1.0	0.0	0.016	47.3	63.9	40.3	75.6	392	1.0	0.0	0.114										
392	390	385	1.0	0.0	0.0	47.3	63.8	41.2	76.0	392	1.0	0.0	0.084										
R_d														R_s									

0-1031930-F0

http://130.149.60.45/~farbmatrik/QG24/QG24L0FP.PDF /.PS; 3D-Linearisierung
F: 3D-Linearisierung QG24/QG24LG30FP.DAT in Datei (F), Seite 24/33



TUB-Registrierung: 20130201-QG24/QG24L0FP.PDF /.PS TUB-Material: Code=rha4ta
Anwendung für Messung von Offsetdruck-Ausgabe, Separation cmyk6* (CMYK)

n	H1C*Fid	rgb_Fid	lch_Fid	hsa_Fid	rgb_Fid	LabCh*Fid	cmyk*_sep_Fid	delta	hsa_id	rgb*_id	LabCh*_id											
324	R0Y0_050_050ad	0.5	0.0	0.5	0.5	32.5	31.9	20.6	38.0	32.8	0.0	0.845	0.803	0.544	0.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
325	R18Y_050_037ad	0.5	0.0	0.5	0.5	32.5	31.9	15.4	28.5	32.9	0.0	0.699	0.582	0.535	0.0	0.0	0.0	47.3	63.8	25.1	70.4	20.9
326	B65R_050_037ad	0.5	0.0	0.5	0.5	32.5	31.9	9.4	26.1	3.2	0.0	0.689	0.447	0.541	0.0	0.0	0.0	47.3	63.8	14.0	69.1	11.6
327	B65R_050_037ad	0.5	0.0	0.5	0.5	32.5	31.9	1.5	26.1	3.2	0.0	0.689	0.225	0.548	0.0	0.0	0.0	47.3	63.8	-8.5	73.3	35.3
328	B38R_062_050ad	0.5	0.0	0.5	0.5	32.5	31.9	-3.2	37.2	34.7	0.0	0.688	0.116	0.552	0.0	0.0	0.0	47.3	63.8	-14.5	68.0	34.7
329	B38R_062_050ad	0.5	0.0	0.5	0.5	32.5	31.9	-13.8	39.1	33.9	0.0	0.688	0.0	0.552	0.0	0.0	0.0	47.3	63.8	-22.1	62.5	33.2
330	B25R_087_075ad	0.5	0.0	0.5	0.5	32.5	31.9	-19.7	44.9	33.9	0.0	0.688	0.0	0.552	0.0	0.0	0.0	47.3	63.8	-26.3	59.9	33.9
331	B25R_087_075ad	0.5	0.0	0.5	0.5	32.5	31.9	-26.0	50.7	33.9	0.0	0.688	0.0	0.552	0.0	0.0	0.0	47.3	63.8	-31.7	64.9	33.9
332	R50Y_050_050ad	0.5	0.0	0.5	0.5	32.5	31.9	41.9	89.2	71.0	0.0	0.298	0.788	0.548	0.0	0.0	0.0	47.3	63.8	71.0	83.9	89.2
333	R31Y_050_037ad	0.5	0.0	0.5	0.5	32.5	31.9	21.8	71.8	84.9	0.0	0.322	0.439	0.553	0.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
334	R0Y0_050_025ad	0.5	0.0	0.5	0.5	32.5	31.9	16.9	66.9	71.8	0.0	0.322	0.234	0.553	0.0	0.0	0.0	47.3	63.8	-8.5	73.3	35.3
335	B25R_062_050ad	0.5	0.0	0.5	0.5	32.5	31.9	-13.2	30.7	32.9	0.0	0.303	0.051	0.569	0.0	0.0	0.0	47.3	63.8	-26.3	59.9	33.9
336	B25R_062_050ad	0.5	0.0	0.5	0.5	32.5	31.9	-19.8	26.6	31.6	0.0	0.323	0.0	0.563	0.0	0.0	0.0	47.3	63.8	-35.3	53.3	32.0
337	B18R_075_037ad	0.5	0.0	0.5	0.5	32.5	31.9	-25.6	33.2	30.9	0.0	0.323	0.0	0.563	0.0	0.0	0.0	47.3	63.8	-41.0	53.2	30.9
338	B18R_075_037ad	0.5	0.0	0.5	0.5	32.5	31.9	-47.9	97.1	0.0	0.0	0.204	0.868	0.498	0.0	0.0	0.0	47.3	63.8	-11.9	95.1	95.8
339	Y00C_050_050ad	0.5	0.0	0.5	0.5	32.5	31.9	6.6	29.6	4.4	0.0	0.102	0.542	0.547	0.0	0.0	0.0	47.3	63.8	-11.9	95.1	95.8
340	Y00C_050_050ad	0.5	0.0	0.5	0.5	32.5	31.9	35.6	35.9	97.1	0.0	0.102	0.542	0.547	0.0	0.0	0.0	47.3	63.8	-11.9	95.1	95.8
341	Y00C_050_037ad	0.5	0.0	0.5	0.5	32.5	31.9	23.7	23.9	97.1	0.0	0.102	0.542	0.547	0.0	0.0	0.0	47.3	63.8	-11.9	95.1	95.8
342	Y00C_050_025ad	0.5	0.0	0.5	0.5	32.5	31.9	11.8	11.9	97.1	0.0	0.102	0.542	0.547	0.0	0.0	0.0	47.3	63.8	-11.9	95.1	95.8
343	NW_050ad	0.5	0.0	0.5	0.5	32.5	31.9	0.0	0.0	0.0	0.0	0.102	0.542	0.547	0.0	0.0	0.0	47.3	63.8	-11.9	95.1	95.8
344	B00R_062_012ad	0.5	0.0	0.5	0.5	32.5	31.9	0.0	0.0	0.0	0.0	0.102	0.542	0.547	0.0	0.0	0.0	47.3	63.8	-11.9	95.1	95.8
345	B00R_062_012ad	0.5	0.0	0.5	0.5	32.5	31.9	0.0	0.0	0.0	0.0	0.102	0.542	0.547	0.0	0.0	0.0	47.3	63.8	-11.9	95.1	95.8
346	B00R_062_012ad	0.5	0.0	0.5	0.5	32.5	31.9	0.0	0.0	0.0	0.0	0.102	0.542	0.547	0.0	0.0	0.0	47.3	63.8	-11.9	95.1	95.8
347	B00R_062_012ad	0.5	0.0	0.5	0.5	32.5	31.9	0.0	0.0	0.0	0.0	0.102	0.542	0.547	0.0	0.0	0.0	47.3	63.8	-11.9	95.1	95.8
348	Y18C_062_062ad	0.5	0.0	0.5	0.5	32.5	31.9	-11.2	53.7	54.9	0.0	0.088	0.468	0.467	0.0	0.0	0.0	47.3	63.8	-17.9	86.0	87.8
349	Y23C_062_062ad	0.5	0.0	0.5	0.5	32.5	31.9	-16.2	60.2	60.2	0.0	0.088	0.468	0.467	0.0	0.0	0.0	47.3	63.8	-22.8	79.5	82.7
350	Y31C_062_037ad	0.5	0.0	0.5	0.5	32.5	31.9	-23.6	68.1	68.1	0.0	0.088	0.468	0.467	0.0	0.0	0.0	47.3	63.8	-28.8	86.0	87.8
351	Y50C_062_025ad	0.5	0.0	0.5	0.5	32.5	31.9	-31.0	75.6	75.6	0.0	0.088	0.468	0.467	0.0	0.0	0.0	47.3	63.8	-36.0	95.1	95.8
352	G0B_062_012ad	0.5	0.0	0.5	0.5	32.5	31.9	-36.0	81.6	81.6	0.0	0.088	0.468	0.467	0.0	0.0	0.0	47.3	63.8	-41.0	95.1	95.8
353	G50B_062_012ad	0.5	0.0	0.5	0.5	32.5	31.9	-41.0	86.0	86.0	0.0	0.088	0.468	0.467	0.0	0.0	0.0	47.3	63.8	-46.0	95.1	95.8
354	G75B_075_025ad	0.5	0.0	0.5	0.5	32.5	31.9	-46.0	91.6	91.6	0.0	0.088	0.468	0.467	0.0	0.0	0.0	47.3	63.8	-51.0	95.1	95.8
355	G84B_087_037ad	0.5	0.0	0.5	0.5	32.5	31.9	-51.0	95.1	95.1	0.0	0.088	0.468	0.467	0.0	0.0	0.0	47.3	63.8	-56.0	95.1	95.8
356	G88B_100_050ad	0.5	0.0	0.5	0.5	32.5	31.9	-56.0	95.1	95.1	0.0	0.088	0.468	0.467	0.0	0.0	0.0	47.3	63.8	-61.0	95.1	95.8
357	Y31C_075_050ad	0.5	0.0	0.5	0.5	32.5	31.9	-17.1	59.6	62.0	0.0	0.088	0.468	0.467	0.0	0.0	0.0	47.3	63.8	-22.8	79.5	82.7
358	Y36C_075_062ad	0.5	0.0	0.5	0.5	32.5	31.9	-18.6	63.0	63.0	0.0	0.088	0.468	0.467	0.0	0.0	0.0	47.3	63.8	-23.6	81.6	81.6
359	Y40C_075_050ad	0.5	0.0	0.5	0.5	32.5	31.9	-20.1	65.0	65.0	0.0	0.088	0.468	0.467	0.0	0.0	0.0	47.3	63.8	-25.1	86.0	87.8
360	Y40C_075_037ad	0.5	0.0	0.5	0.5	32.5	31.9	-20.1	65.0	65.0	0.0	0.088	0.468	0.467	0.0	0.0	0.0	47.3	63.8	-25.1	86.0	87.8
361	G0B_075_025ad	0.5	0.0	0.5	0.5	32.5	31.9	-30.1	71.8	71.8	0.0	0.088	0.468	0.467	0.0	0.0	0.0	47.3	63.8	-35.1	95.1	95.8
362	G25B_075_025ad	0.5	0.0	0.5	0.5	32.5	31.9	-35.1	76.1	76.1	0.0	0.088	0.468	0.467	0.0	0.0	0.0	47.3	63.8	-40.1	95.1	95.8
363	G50B_075_025ad	0.5	0.0	0.5	0.5	32.5	31.9	-40.1	81.6	81.6	0.0	0.088	0.468	0.467	0.0	0.0	0.0	47.3	63.8	-45.1	95.1	95.8
364	G75B_100_050ad	0.5	0.0	0.5	0.5	32.5	31.9	-50.1	91.6	91.6	0.0	0.088	0.468	0.467	0.0	0.0	0.0	47.3	63.8	-55.1	95.1	95.8
365	G84B_087_037ad	0.5	0.0	0.5	0.5	32.5	31.9	-51.0	95.1	95.1	0.0	0.088	0.468	0.467	0.0	0.0	0.0	47.3	63.8	-56.0	95.1	95.8
366	G88B_100_050ad	0.5	0.0	0.5	0.5	32.5	31.9	-56.0	95.1	95.1	0.0	0.088	0.468	0.467	0.0	0.0	0.0	47.3	63.8	-61.0	95.1	95.8
367	Y41C_087_087ad	0.5	0.0	0.5	0.5	32.5	31.9	-24.0	63.8	68.2	0.0	0.088	0.468	0.467	0.0	0.0	0.0	47.3	63.8	-29.0	76.1	76.1
368	Y5																					

n	H1C*Fid	rgb_Fid	icr_Fid	hsa_Fid	rgb*Fid	LabCh*Fid	cmym*_sep_Fid	cmym*_sep_Fid	hsa_id	rgb_id	LabCh*id	delta
567	R00Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	390	0.875 0.0 0.0	43.6 55.8	36.0	66.5	389	1.0 0.0 0.0	47.3 63.8	32.8
568	R36Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	392	0.875 0.0 0.0	43.7 56.4	36.1	66.6	382	1.0 0.0 0.0	47.4 64.5	32.9
569	R72Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	374	0.875 0.0 0.0	43.9 57.1	36.2	66.7	375	1.0 0.0 0.0	47.6 65.2	33.0
570	R108Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	365	0.875 0.0 0.0	44.0 58.4	36.3	66.8	365	1.0 0.0 0.0	47.7 66.7	33.1
571	R144Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	355	0.875 0.0 0.0	44.1 60.0	36.4	66.9	354	1.0 0.0 0.0	47.9 68.6	33.2
572	R180Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	346	0.875 0.0 0.0	44.3 61.5	36.5	67.0	344	1.0 0.0 0.0	48.1 70.3	33.3
573	R216Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	338	0.875 0.0 0.0	44.4 62.6	36.6	67.1	337	1.0 0.0 0.0	48.2 71.5	33.4
574	R252Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	330	0.875 0.0 0.0	44.6 63.7	36.7	67.2	330	1.0 0.0 0.0	48.4 72.8	33.5
575	R288Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	323	0.875 0.0 0.0	44.7 64.9	36.8	67.3	323	1.0 0.0 0.0	48.6 74.1	33.6
576	R324Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	318	0.875 0.0 0.0	44.9 66.1	36.9	67.4	318	1.0 0.0 0.0	48.8 75.4	33.7
577	R360Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	312	0.875 0.0 0.0	45.1 67.4	37.0	67.5	312	1.0 0.0 0.0	49.0 76.7	33.8
578	R396Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	307	0.875 0.0 0.0	45.3 68.6	37.1	67.6	307	1.0 0.0 0.0	49.2 78.0	33.9
579	R432Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	301	0.875 0.0 0.0	45.5 69.9	37.2	67.7	301	1.0 0.0 0.0	49.4 79.3	34.0
580	R468Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	296	0.875 0.0 0.0	45.7 71.2	37.3	67.8	296	1.0 0.0 0.0	49.6 80.6	34.1
581	R504Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	291	0.875 0.0 0.0	45.9 72.5	37.4	67.9	291	1.0 0.0 0.0	49.8 81.9	34.2
582	R540Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	286	0.875 0.0 0.0	46.1 73.8	37.5	68.0	286	1.0 0.0 0.0	50.0 83.2	34.3
583	R576Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	281	0.875 0.0 0.0	46.3 75.1	37.6	68.1	281	1.0 0.0 0.0	50.2 84.5	34.4
584	R612Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	276	0.875 0.0 0.0	46.5 76.4	37.7	68.2	276	1.0 0.0 0.0	50.4 85.8	34.5
585	R648Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	271	0.875 0.0 0.0	46.7 77.7	37.8	68.3	271	1.0 0.0 0.0	50.6 87.1	34.6
586	R684Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	266	0.875 0.0 0.0	46.9 79.0	37.9	68.4	266	1.0 0.0 0.0	50.8 88.4	34.7
587	R720Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	261	0.875 0.0 0.0	47.1 80.3	38.0	68.5	261	1.0 0.0 0.0	51.0 89.7	34.8
588	R756Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	256	0.875 0.0 0.0	47.3 81.6	38.1	68.6	256	1.0 0.0 0.0	51.2 91.0	34.9
589	R792Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	251	0.875 0.0 0.0	47.5 82.9	38.2	68.7	251	1.0 0.0 0.0	51.4 92.3	35.0
590	R828Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	246	0.875 0.0 0.0	47.7 84.2	38.3	68.8	246	1.0 0.0 0.0	51.6 93.6	35.1
591	R864Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	241	0.875 0.0 0.0	47.9 85.5	38.4	68.9	241	1.0 0.0 0.0	51.8 94.9	35.2
592	R900Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	236	0.875 0.0 0.0	48.1 86.8	38.5	69.0	236	1.0 0.0 0.0	52.0 96.2	35.3
593	R936Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	231	0.875 0.0 0.0	48.3 88.1	38.6	69.1	231	1.0 0.0 0.0	52.2 97.5	35.4
594	R972Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	226	0.875 0.0 0.0	48.5 89.4	38.7	69.2	226	1.0 0.0 0.0	52.4 98.8	35.5
595	R1008Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	221	0.875 0.0 0.0	48.7 90.7	38.8	69.3	221	1.0 0.0 0.0	52.6 100.1	35.6
596	R1044Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	216	0.875 0.0 0.0	48.9 92.0	38.9	69.4	216	1.0 0.0 0.0	52.8 101.4	35.7
597	R1080Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	211	0.875 0.0 0.0	49.1 93.3	39.0	69.5	211	1.0 0.0 0.0	53.0 102.7	35.8
598	R1116Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	206	0.875 0.0 0.0	49.3 94.6	39.1	69.6	206	1.0 0.0 0.0	53.2 104.0	35.9
599	R1152Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	201	0.875 0.0 0.0	49.5 95.9	39.2	69.7	201	1.0 0.0 0.0	53.4 105.3	36.0
600	R1188Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	196	0.875 0.0 0.0	49.7 97.2	39.3	69.8	196	1.0 0.0 0.0	53.6 106.6	36.1
601	R1224Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	191	0.875 0.0 0.0	49.9 98.5	39.4	69.9	191	1.0 0.0 0.0	53.8 107.9	36.2
602	R1260Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	186	0.875 0.0 0.0	50.1 99.8	39.5	70.0	186	1.0 0.0 0.0	54.0 109.2	36.3
603	R1296Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	181	0.875 0.0 0.0	50.3 101.1	39.6	70.1	181	1.0 0.0 0.0	54.2 110.5	36.4
604	R1332Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	176	0.875 0.0 0.0	50.5 102.4	39.7	70.2	176	1.0 0.0 0.0	54.4 111.8	36.5
605	R1368Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	171	0.875 0.0 0.0	50.7 103.7	39.8	70.3	171	1.0 0.0 0.0	54.6 113.1	36.6
606	R1404Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	166	0.875 0.0 0.0	50.9 105.0	39.9	70.4	166	1.0 0.0 0.0	54.8 114.4	36.7
607	R1440Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	161	0.875 0.0 0.0	51.1 106.3	40.0	70.5	161	1.0 0.0 0.0	55.0 115.7	36.8
608	R1476Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	156	0.875 0.0 0.0	51.3 107.6	40.1	70.6	156	1.0 0.0 0.0	55.2 117.0	36.9
609	R1512Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	151	0.875 0.0 0.0	51.5 108.9	40.2	70.7	151	1.0 0.0 0.0	55.4 118.3	37.0
610	R1548Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	146	0.875 0.0 0.0	51.7 110.2	40.3	70.8	146	1.0 0.0 0.0	55.6 119.6	37.1
611	R1584Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	141	0.875 0.0 0.0	51.9 111.5	40.4	70.9	141	1.0 0.0 0.0	55.8 120.9	37.2
612	R1620Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	136	0.875 0.0 0.0	52.1 112.8	40.5	71.0	136	1.0 0.0 0.0	56.0 122.2	37.3
613	R1656Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	131	0.875 0.0 0.0	52.3 114.1	40.6	71.1	131	1.0 0.0 0.0	56.2 123.5	37.4
614	R1692Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	126	0.875 0.0 0.0	52.5 115.4	40.7	71.2	126	1.0 0.0 0.0	56.4 124.8	37.5
615	R1728Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	121	0.875 0.0 0.0	52.7 116.7	40.8	71.3	121	1.0 0.0 0.0	56.6 126.1	37.6
616	R1764Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	116	0.875 0.0 0.0	52.9 118.0	40.9	71.4	116	1.0 0.0 0.0	56.8 127.4	37.7
617	R1800Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	111	0.875 0.0 0.0	53.1 119.3	41.0	71.5	111	1.0 0.0 0.0	57.0 128.7	37.8
618	R1836Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	106	0.875 0.0 0.0	53.3 120.6	41.1	71.6	106	1.0 0.0 0.0	57.2 130.0	37.9
619	R1872Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	101	0.875 0.0 0.0	53.5 121.9	41.2	71.7	101	1.0 0.0 0.0	57.4 131.3	38.0
620	R1908Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	96	0.875 0.0 0.0	53.7 123.2	41.3	71.8	96	1.0 0.0 0.0	57.6 132.6	38.1
621	R1944Y.087.087.087	0.875 0.0 0.0	0.875 0.875 0.437	91	0.875 0.0 0.0	53.9 124.5	41.4	71.9	91	1.0 0.0 0.0	57.8 133.9	38.2
622	R19											

n	H1C*Fid	rgb_Fid	icr_Fid	hsa_Fid	rgb*Fid	LabC*Fid	cmyk*_sep_Fid	rgb*_Fid	hsa*_Fid	LabCH*Mid	0.0	0.0	0.0
891	NW_100Fid	1.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	95.4	0.0	0.0	0.0
892	B50R_100_012ad	0.875	1.0	0.125	0.937	89.5	9.1	-1.0	9.1	48.2	72.8	-8.5	73.3
893	B50R_100_025ad	0.75	1.0	0.25	0.812	83.6	18.2	-2.1	18.3	48.2	72.8	-8.5	73.3
894	B50R_100_037ad	0.625	1.0	0.375	0.687	77.7	27.3	-3.2	27.5	48.2	72.8	-8.5	73.3
895	B50R_100_050ad	0.5	1.0	0.5	0.562	71.8	36.4	-4.2	36.6	48.2	72.8	-8.5	73.3
896	B50R_100_062ad	0.375	1.0	0.625	0.437	65.9	45.5	-5.3	45.8	48.2	72.8	-8.5	73.3
897	B50R_100_075ad	0.25	1.0	0.75	0.312	60.0	54.6	-6.4	55.0	48.2	72.8	-8.5	73.3
898	B50R_100_087ad	0.125	1.0	0.875	0.187	54.1	63.7	-7.4	64.1	48.2	72.8	-8.5	73.3
899	B50R_100_100ad	0.0	1.0	1.0	0.0	48.2	72.8	-8.5	73.3	48.2	72.8	-8.5	73.3
900	COB_100_012ad	0.875	1.0	0.125	0.937	90.0	8.6	3.5	9.2	95.4	0.0	0.0	0.0
901	NW_087ad	0.875	0.875	0.875	0.875	85.7	0.0	0.0	0.0	95.4	0.0	0.0	0.0
902	B50R_087_012ad	0.875	0.75	0.875	0.812	79.8	9.1	-1.0	9.1	48.2	72.8	-8.5	73.3
903	B50R_087_025ad	0.875	0.625	0.875	0.687	73.9	18.2	-2.1	18.3	48.2	72.8	-8.5	73.3
904	B50R_087_037ad	0.875	0.5	0.875	0.562	68.0	27.3	-3.2	27.5	48.2	72.8	-8.5	73.3
905	B50R_087_050ad	0.875	0.375	0.875	0.437	62.1	36.4	-4.2	36.6	48.2	72.8	-8.5	73.3
906	B50R_087_062ad	0.875	0.25	0.875	0.312	56.2	45.5	-5.3	45.8	48.2	72.8	-8.5	73.3
907	B50R_087_075ad	0.875	0.125	0.875	0.187	50.3	54.6	-6.4	55.0	48.2	72.8	-8.5	73.3
908	B50R_087_100ad	0.875	0.0	0.875	0.0	44.4	63.7	-7.4	64.1	48.2	72.8	-8.5	73.3
909	COB_100_025ad	0.75	1.0	0.25	0.812	84.5	-17.2	7.0	18.5	51.9	-68.8	28.1	74.3
910	COB_100_037ad	0.75	0.875	0.75	0.687	78.6	-26.3	3.5	9.2	51.9	-68.8	28.1	74.3
911	NW_075ad	0.75	0.75	0.75	0.75	76.0	0.0	0.0	0.0	95.4	0.0	0.0	0.0
912	B50R_075_012ad	0.75	0.625	0.75	0.562	70.1	9.1	-1.0	9.1	48.2	72.8	-8.5	73.3
913	B50R_075_025ad	0.75	0.5	0.75	0.437	64.2	18.2	-2.1	18.3	48.2	72.8	-8.5	73.3
914	B50R_075_037ad	0.75	0.375	0.75	0.312	58.3	27.3	-3.2	27.5	48.2	72.8	-8.5	73.3
915	B50R_075_050ad	0.75	0.25	0.75	0.218	52.4	36.4	-4.2	36.6	48.2	72.8	-8.5	73.3
916	B50R_075_062ad	0.75	0.125	0.75	0.156	46.5	45.5	-5.3	45.8	48.2	72.8	-8.5	73.3
917	B50R_075_075ad	0.75	0.0	0.75	0.0	40.6	54.6	-6.4	55.0	48.2	72.8	-8.5	73.3
918	COB_100_037ad	0.625	1.0	0.625	1.0	62.5	79.1	-25.8	10.5	51.9	-68.8	28.1	74.3
919	COB_075_012ad	0.625	0.875	0.625	0.812	56.5	-17.2	7.0	18.5	51.9	-68.8	28.1	74.3
920	COB_075_025ad	0.625	0.75	0.625	0.687	50.6	-26.3	3.5	9.2	51.9	-68.8	28.1	74.3
921	NW_062ad	0.625	0.625	0.625	0.625	60.3	0.0	0.0	0.0	95.4	0.0	0.0	0.0
922	B50R_062_012ad	0.625	0.5	0.625	0.562	54.5	9.1	-1.0	9.1	48.2	72.8	-8.5	73.3
923	B50R_062_025ad	0.625	0.375	0.625	0.437	48.6	18.2	-2.1	18.3	48.2	72.8	-8.5	73.3
924	B50R_062_037ad	0.625	0.25	0.625	0.312	42.7	27.3	-3.2	27.5	48.2	72.8	-8.5	73.3
925	B50R_062_050ad	0.625	0.125	0.625	0.187	36.8	36.4	-4.2	36.6	48.2	72.8	-8.5	73.3
926	B50R_062_062ad	0.625	0.0	0.625	0.0	30.9	45.5	-5.3	45.8	48.2	72.8	-8.5	73.3
927	COB_100_050ad	0.5	1.0	0.5	0.5	73.7	-34.4	14.0	37.1	51.9	-68.8	28.1	74.3
928	COB_075_037ad	0.5	0.875	0.5	0.687	63.9	-43.0	17.5	46.4	51.9	-68.8	28.1	74.3
929	COB_075_050ad	0.5	0.75	0.5	0.562	57.9	-51.8	10.5	27.8	51.9	-68.8	28.1	74.3
930	COB_062_012ad	0.5	0.625	0.5	0.562	51.9	-60.8	3.5	9.2	51.9	-68.8	28.1	74.3
931	NW_050ad	0.5	0.5	0.5	0.5	56.5	0.0	0.0	0.0	95.4	0.0	0.0	0.0
932	B50R_050_012ad	0.5	0.375	0.5	0.437	50.6	9.1	-1.0	9.1	48.2	72.8	-8.5	73.3
933	B50R_050_025ad	0.5	0.25	0.5	0.312	44.7	18.2	-2.1	18.3	48.2	72.8	-8.5	73.3
934	B50R_050_037ad	0.5	0.125	0.5	0.218	38.8	27.3	-3.2	27.5	48.2	72.8	-8.5	73.3
935	B50R_050_050ad	0.5	0.0	0.5	0.0	32.9	36.4	-4.2	36.6	48.2	72.8	-8.5	73.3
936	COB_100_062ad	0.375	1.0	0.625	0.687	68.2	-43.0	17.5	46.4	51.9	-68.8	28.1	74.3
937	COB_087_050ad	0.375	0.875	0.375	0.812	63.9	-51.8	10.5	27.8	51.9	-68.8	28.1	74.3
938	COB_087_062ad	0.375	0.75	0.375	0.687	57.9	-60.8	3.5	9.2	51.9	-68.8	28.1	74.3
939	COB_062_037ad	0.375	0.625	0.375	0.562	51.9	-69.9	0.0	0.0	51.9	-68.8	28.1	74.3
940	COB_050_012ad	0.375	0.5	0.375	0.437	45.7	-78.6	3.5	9.2	51.9	-68.8	28.1	74.3
941	NW_037ad	0.375	0.375	0.375	0.375	46.8	0.0	0.0	0.0	95.4	0.0	0.0	0.0
942	B50R_037_012ad	0.375	0.25	0.375	0.312	40.9	9.1	-1.0	9.1	48.2	72.8	-8.5	73.3
943	B50R_037_025ad	0.375	0.125	0.375	0.218	35.0	18.2	-2.1	18.3	48.2	72.8	-8.5	73.3
944	B50R_037_037ad	0.375	0.0	0.375	0.187	29.1	27.3	-3.2	27.5	48.2	72.8	-8.5	73.3
945	COB_100_075ad	0.25	1.0	0.25	0.25	62.8	-51.6	21.0	55.7	51.9	-68.8	28.1	74.3
946	COB_087_062ad	0.25	0.875	0.25	0.812	56.5	-60.8	3.5	9.2	51.9	-68.8	28.1	74.3
947	COB_087_050ad	0.25	0.75	0.25	0.687	50.6	-69.9	0.0	0.0	51.9	-68.8	28.1	74.3
948	COB_062_050ad	0.25	0.625	0.25	0.562	44.7	-78.6	3.5	9.2	51.9	-68.8	28.1	74.3
949	COB_050_037ad	0.25	0.5	0.25	0.437	38.8	-87.7	10.5	27.8	51.9	-68.8	28.1	74.3
950	COB_037_012ad	0.25	0.375	0.25	0.312	32.9	-96.8	3.5	9.2	51.9	-68.8	28.1	74.3
951	NW_025ad	0.25	0.25	0.25	0.25	37.1	0.0	0.0	0.0	95.4	0.0	0.0	0.0
952	B50R_025_012ad	0.25	0.125	0.25	0.187	31.2	9.1	-1.0	9.1	48.2	72.8	-8.5	73.3
953	B50R_025_025ad	0.25	0.0	0.25	0.125	25.3	18.2	-2.1	18.3	48.2	72.8	-8.5	73.3
954	COB_100_087ad	0.125	1.0	0.125	0.125	57.3	-60.2	24.6	65.0	51.9	-68.8	28.1	74.3
955	COB_087_075ad	0.125	0.875	0.125	0.812	51.6	-69.2	3.5	9.2	51.9	-68.8	28.1	74.3
956	COB_087_062ad	0.125	0.75	0.125	0.687	45.7	-78.6	3.5	9.2	51.9	-68.8	28.1	74.3
957	COB_062_050ad	0.125	0.625	0.125	0.562	40.0	-87.7	10.5	27.8	51.9	-68.8	28.1	74.3
958	COB_050_037ad	0.125	0.5	0.125	0.437	34.1	-96.8	3.5	9.2	51.9	-68.8	28.1	74.3
959	COB_037_025ad	0.125	0.375	0.125	0.312	28.2	-105.8	3.5	9.2	51.9	-68.8	28.1	74.3
960	COB_025_012ad	0.125	0.25	0.125	0.187	22.3	-114.9	3.5	9.2	51.9	-68.8	28.1	74.3
961	NW_012ad	0.125	0.125	0.125	0.125	27.4	0.0	0.0	0.0	95.4	0.0	0.0	0.0
962	B50R_012_012ad	0.125	0.0	0.125	0.062	21.5	9.1	-1.0	9.1	48.2	72.8	-8.5	73.3
963	COB_100_100ad	0.0	1.0	0.0	0.0	15.9	-68.8	28.1	74.3	51.9	-68.8	28.1	74.3
964	COB_087_087ad	0.0	0.875	0.0	0.875	43.7	-51.6	21.0	55.7	51.9	-68.8	28.1	74.3
965	COB_075_075ad	0.0	0.75	0.0	0.75	37.1	-60.2	24.6	65.0	51.9	-68.8	28.1	74.3
966	COB_062_062ad	0.0	0.625	0.0	0.625	31.2	-69.2	3.5	9.2	51.9	-68.8	28.1	74.3
967	COB_050_050ad	0.0	0.5	0.0	0.5	25.3	-78.6	3.5	9.2	51.9	-68.8	28.1	74.3
968	COB_037_037ad	0.0	0.375	0.0	0.375	18.7	-87.7	10.5	27.8	51.9	-68.8	28.1	74.3
969	COB_025_025ad	0.0	0.25	0.0	0.25	12.5	-96.8	3.5	9.2	51.9	-68.8	28.1	74.3
970	COB_012_012ad	0.0	0.125	0.0	0.125	6.2	-105.8	3.5	9.2	51.9	-68.8	28.1	74.3
971	NW_000ad	0.0	0.0	0.0	0.0	17.7	0.0	0.0	0.0	95.4	0.0	0.0	0.0



n	HVC*Fid	rgb_Fid	lcr_Fid	hsa_Fid	rgb*Fid	LabCH*Fid	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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