

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 298/360 = 0.82$

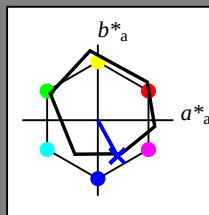
Data for any device (d) or elementary (e) colour:

HIC^*

hue text for the colours of this page:

$H^*_- = B00R_-$

triangle lightness T^*



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

Data for maximum colour (Ma):

$LabCh^*_{-,Ma}$: 27 25 -47 53 298

$HIC^*_{-,Ma}$: B00R_100_100_

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

0.0 0.0 1.0 1.0 1.0

triangle lightness T^*

% Gamut

$u^*_{rel} = 92$

% Regularity

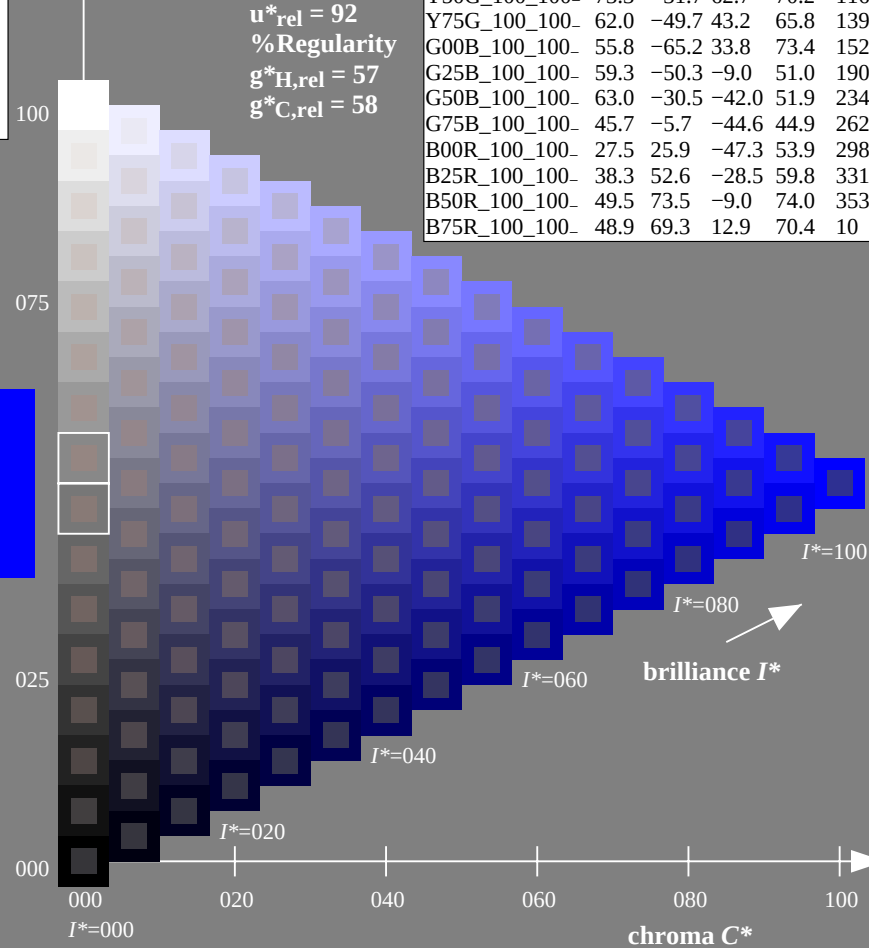
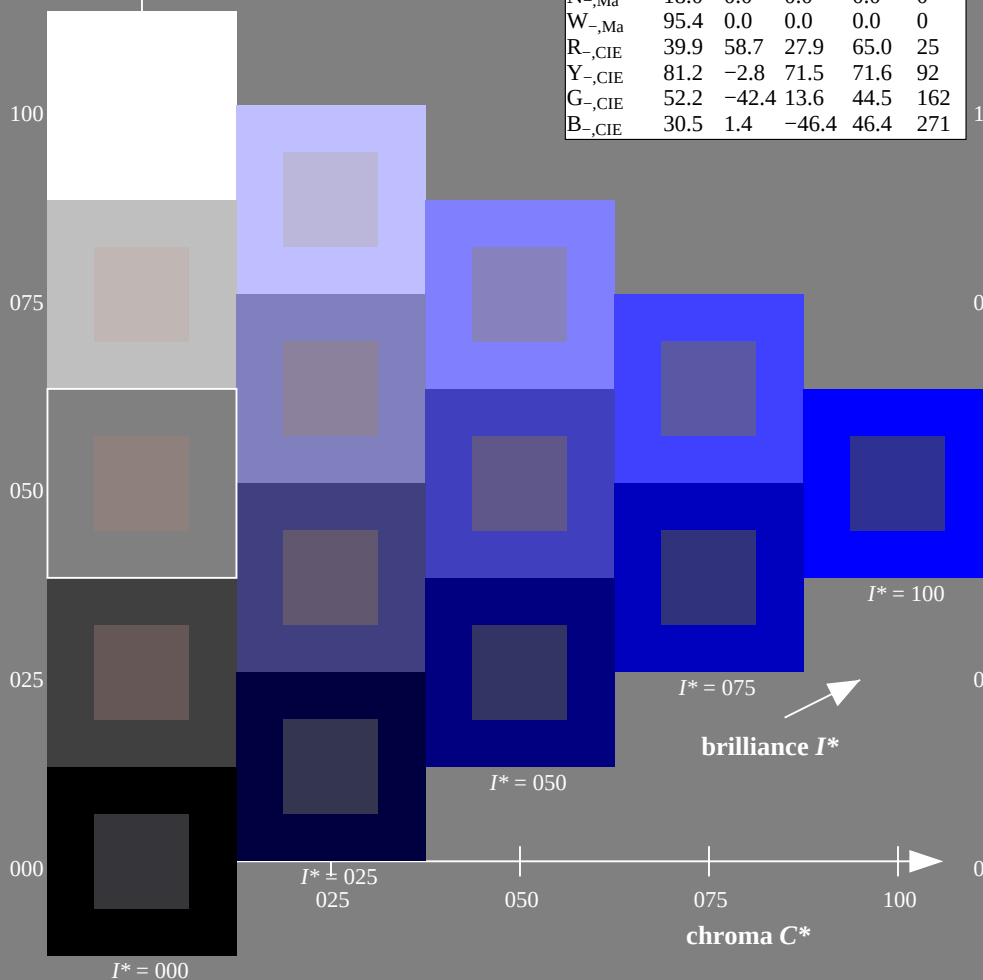
$g^*_{H,rel} = 57$

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

ORS20a; adapted (a) CIELAB data

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	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

$H^*_- = B00R_-$



TUB-test chart RE17; hue code: $H^*_- = B00R_-$
Test chart according to DIN 33872, 3D=1, de=0, $cm y0^*$

input: $rgb/cmyk \rightarrow rgb/cmyk$
output: no change

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 306/360 = 0.85$

$H^*_d = B00R_d$

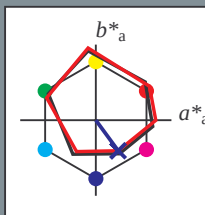
Data for any device (d) or elementary (e) colour:

HIC^*_d

hue text for the colours of this page:

$H^*_d = B00R_d$

triangle lightness T^*



ORS20a; adapted (a) CIELAB data

name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{d,Ma}	45.4	70.9	44.8	83.9	32
Y _{d,Ma}	87.8	-10.2	95.4	96.0	96
G _{d,Ma}	50.0	-65.0	29.6	71.4	155
C _{d,Ma}	56.8	-25.5	-41.5	48.7	238
B _{d,Ma}	25.0	29.5	-40.4	50.0	306
M _{d,Ma}	46.1	79.3	-0.2	79.3	359
N _{d,Ma}	24.3	0.0	0.0	0.0	0
W _{d,Ma}	95.6	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

Data for maximum colour (Ma):

$LabCh^*_d, Ma$: 25 29 -40 50 306

HIC^*_d, Ma : B00R_100_100_d

$rgbic^*_d, Ma$:

0.0 0.0 1.0 1.0 1.0

triangle lightness T^*

% Gamut

$u^*_{rel} = 92$

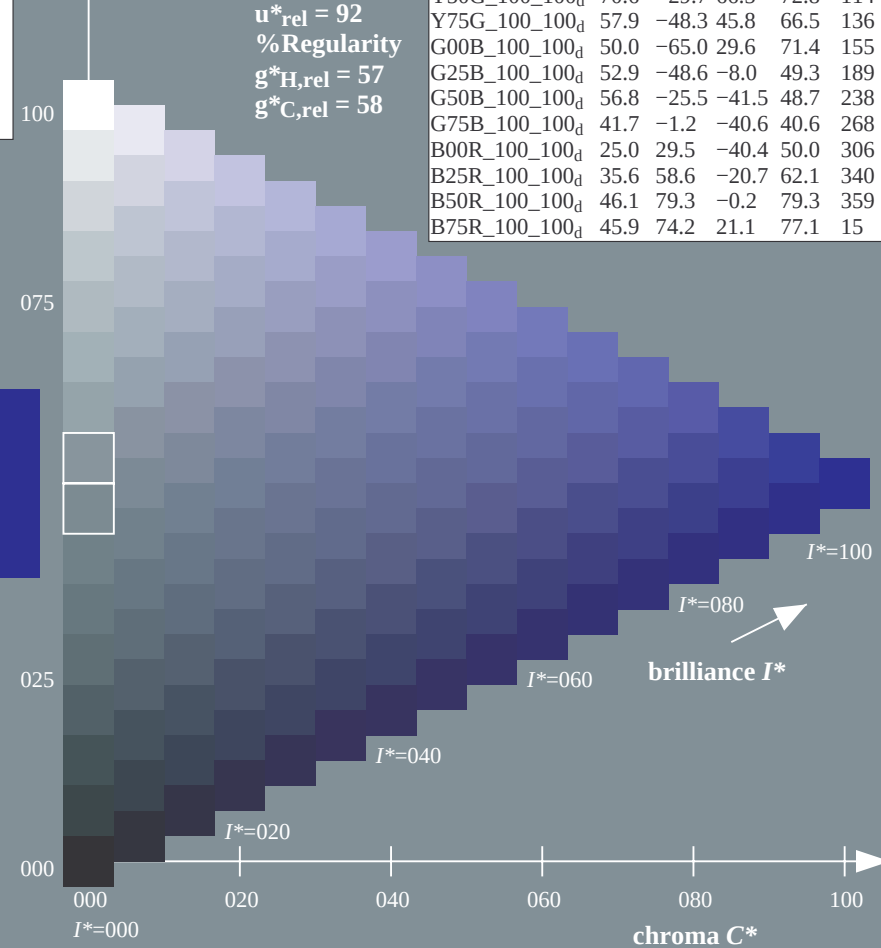
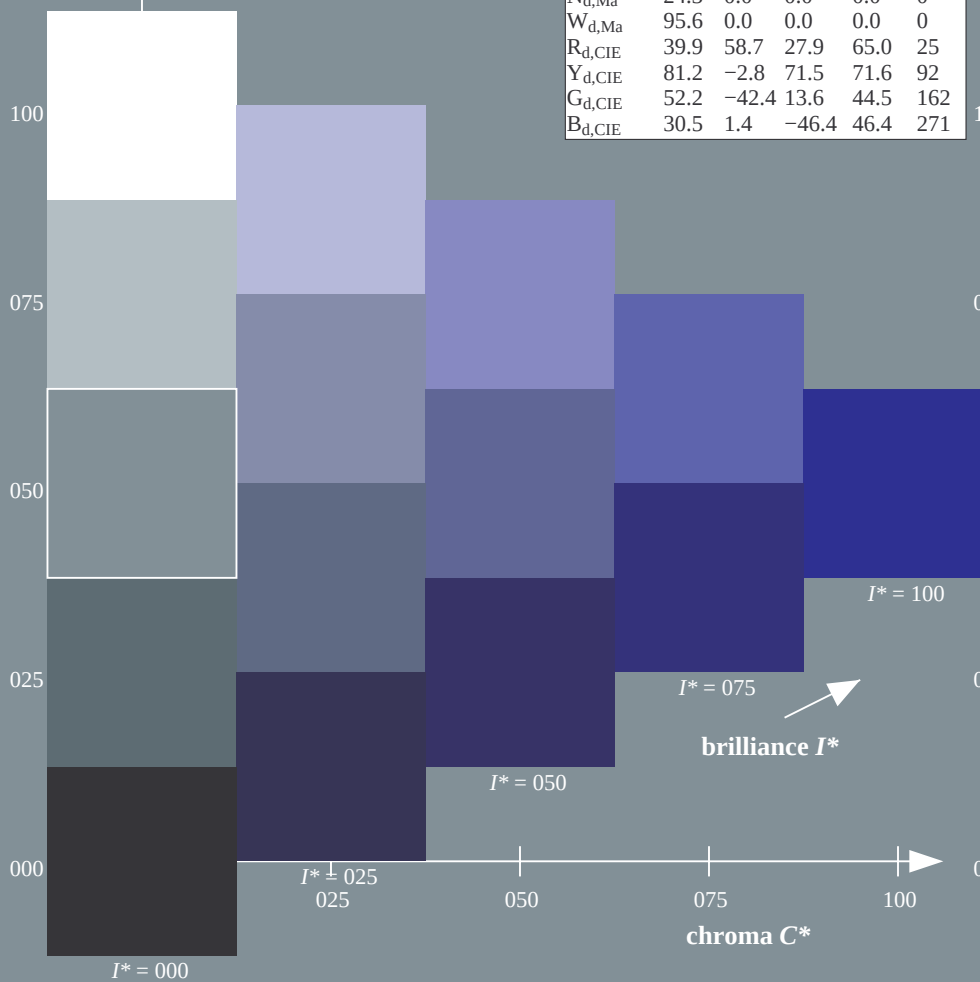
% Regularity

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

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

ORS20a; adapted (a) CIELAB data

H^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100 _d	45.4	70.9	44.8	83.9	32
R25Y_100_100 _d	53.0	53.4	54.8	76.5	45
R50Y_100_100 _d	64.9	28.9	68.6	74.5	67
R75Y_100_100 _d	78.6	4.3	84.7	84.8	87
Y00G_100_100 _d	87.8	-10.2	95.4	96.0	96
Y25G_100_100 _d	81.2	-17.0	84.3	86.0	101
Y50G_100_100 _d	70.6	-29.7	66.5	72.8	114
Y75G_100_100 _d	57.9	-48.3	45.8	66.5	136
G00B_100_100 _d	50.0	-65.0	29.6	71.4	155
G25B_100_100 _d	52.9	-48.6	-8.0	49.3	189
G50B_100_100 _d	56.8	-25.5	-41.5	48.7	238
G75B_100_100 _d	41.7	-1.2	-40.6	40.6	268
B00R_100_100 _d	25.0	29.5	-40.4	50.0	306
B25R_100_100 _d	35.6	58.6	-20.7	62.1	340
B50R_100_100 _d	46.1	79.3	-0.2	79.3	359
B75R_100_100 _d	45.9	74.2	21.1	77.1	15



TUB-test chart RE17; hue code: $H^*_d = B00R_d$
Test chart according to DIN 33872, 3D=1, de=0, $cmY0^*$

input: $rgb/cmyk \rightarrow rgb_{dd}$
output: 3D-linearization to $cmY0^*_{dd}$

TUB registration: 20150701-RE17/RE17L0FP.PDF /.PS
application for measurement of offset print output, separation $cmY0^*$ (CMY0)

TUB material: code=rha4ta

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 306/360 = 0.85$

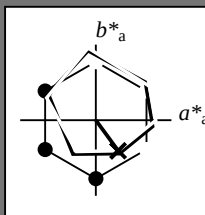
Data for any device (d) or elementary (e) colour:

HIC^*_d

hue text for the colours of this page:

$H^*_d = B00R_d$

triangle lightness T^*



ORS20a; adapted (a) CIELAB data					
name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _d ,Ma	45.4	70.9	44.8	83.9	32
Y _d ,Ma	87.8	-10.2	95.4	96.0	96
G _d ,Ma	50.0	-65.0	29.6	71.4	155
C _d ,Ma	56.8	-25.5	-41.5	48.7	238
B _d ,Ma	25.0	29.5	-40.4	50.0	306
M _d ,Ma	46.1	79.3	-0.2	79.3	359
N _d ,Ma	24.3	0.0	0.0	0.0	0
W _d ,Ma	95.6	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

Data for maximum colour (Ma):

$LabCh^*_{d,Ma}$: 25 29 -40 50 306

$HIC^*_{d,Ma}$: B00R_100_100_d

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

0.0 0.0 1.0 1.0 1.0

triangle lightness T^*

% Gamut

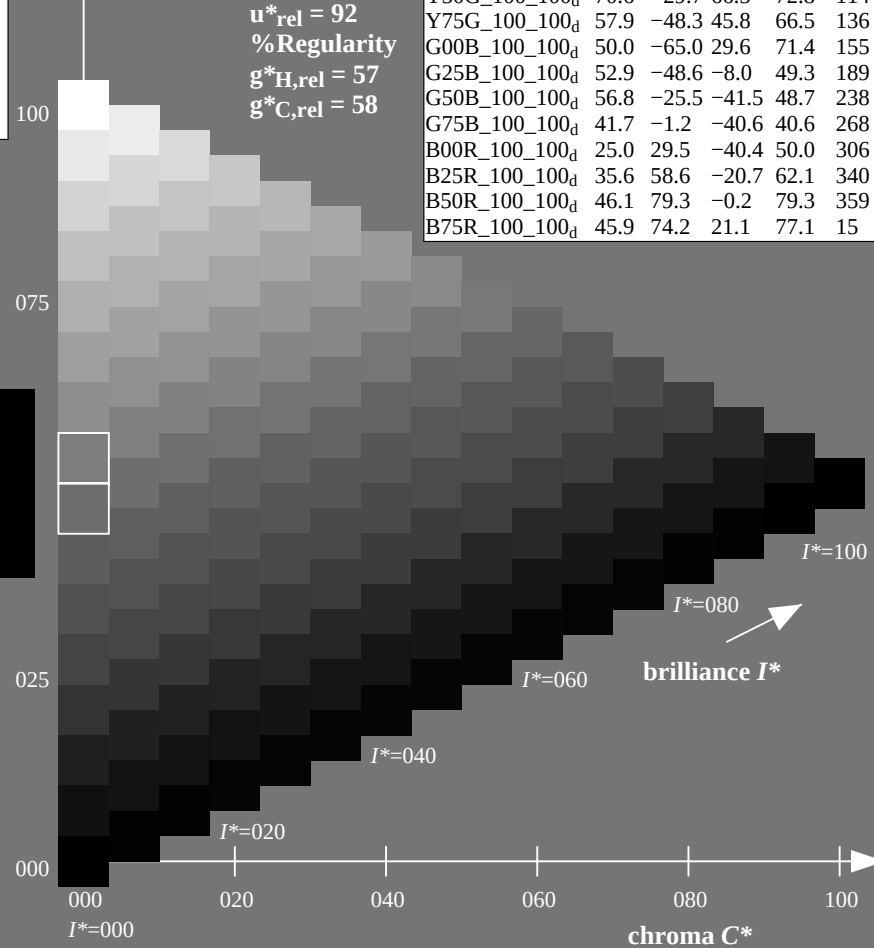
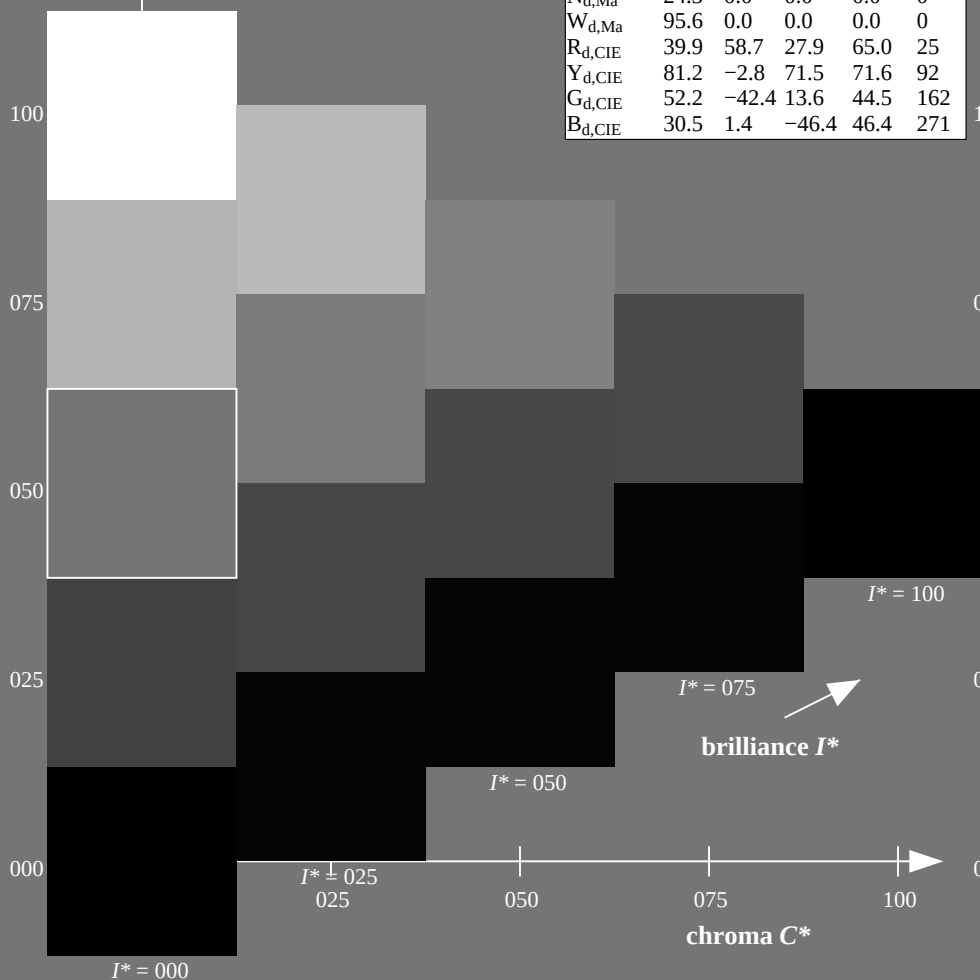
$u^*_{rel} = 92$

% Regularity

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

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

ORS20a; adapted (a) CIELAB data					
H^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100 _d	45.4	70.9	44.8	83.9	32
R25Y_100_100 _d	53.0	53.4	54.8	76.5	45
R50Y_100_100 _d	64.9	28.9	68.6	74.5	67
R75Y_100_100 _d	78.6	4.3	84.7	84.8	87
Y00G_100_100 _d	87.8	-10.2	95.4	96.0	96
Y25G_100_100 _d	81.2	-17.0	84.3	86.0	101
Y50G_100_100 _d	70.6	-29.7	66.5	72.8	114
Y75G_100_100 _d	57.9	-48.3	45.8	66.5	136
G00B_100_100 _d	50.0	-65.0	29.6	71.4	155
G25B_100_100 _d	52.9	-48.6	-8.0	49.3	189
G50B_100_100 _d	56.8	-25.5	-41.5	48.7	238
G75B_100_100 _d	41.7	-1.2	-40.6	40.6	268
B00R_100_100 _d	25.0	29.5	-40.4	50.0	306
B25R_100_100 _d	35.6	58.6	-20.7	62.1	340
B50R_100_100 _d	46.1	79.3	-0.2	79.3	359
B75R_100_100 _d	45.9	74.2	21.1	77.1	15



TUB-test chart RE17; hue code: $H^*_d=B00R_d$
Test chart according to DIN 33872, 3D=1, de=0, $cmY0^*$

input: $rgb/cmyk \rightarrow rgb_{dd}$
output: 3D-linearization to $cmY0^*_{dd}$

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 306/360 = 0.85$

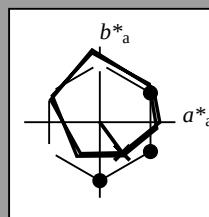
Data for any device (d) or elementary (e) colour:

HIC^*_d

hue text for the colours of this page:

$H^*_d = B00R_d$

triangle lightness T^*



ORS20a; adapted (a) CIELAB data					
name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _d ,Ma	45.4	70.9	44.8	83.9	32
Y _d ,Ma	87.8	-10.2	95.4	96.0	96
G _d ,Ma	50.0	-65.0	29.6	71.4	155
C _d ,Ma	56.8	-25.5	-41.5	48.7	238
B _d ,Ma	25.0	29.5	-40.4	50.0	306
M _d ,Ma	46.1	79.3	-0.2	79.3	359
N _d ,Ma	24.3	0.0	0.0	0.0	0
W _d ,Ma	95.6	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

Data for maximum colour (Ma):

$LabCh^*_{d,Ma}$: 25 29 -40 50 306

$HIC^*_{d,Ma}$: B00R_100_100_d

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

0.0 0.0 1.0 1.0 1.0

triangle lightness T^*

% Gamut

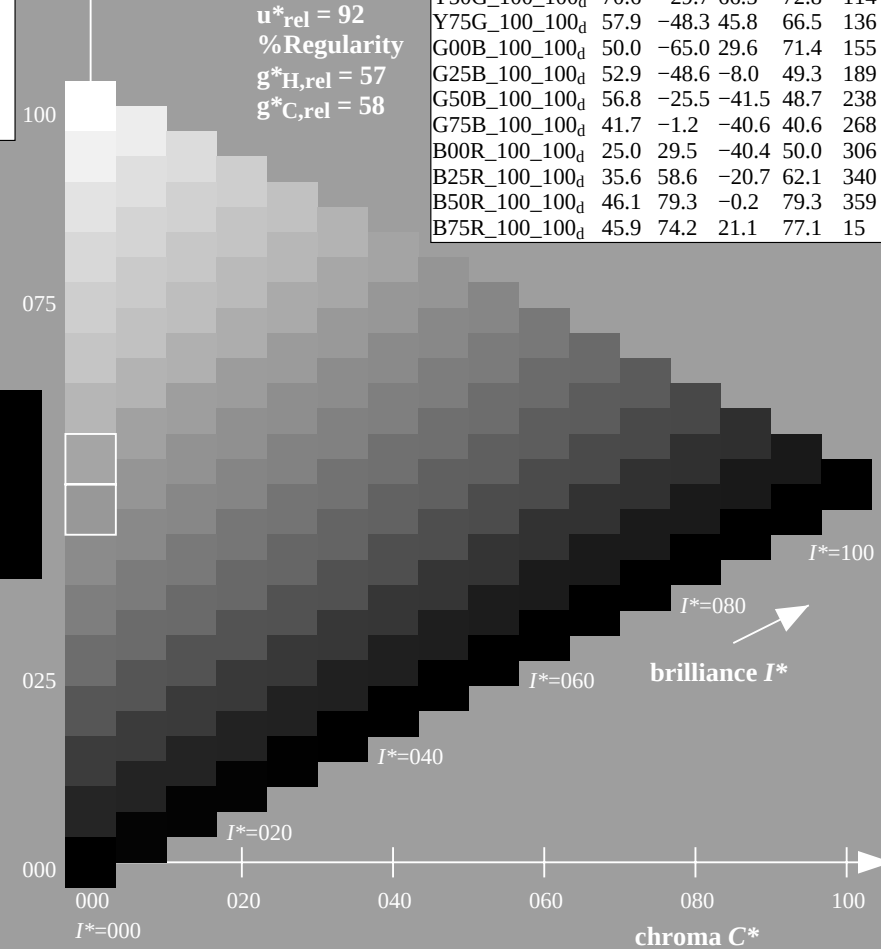
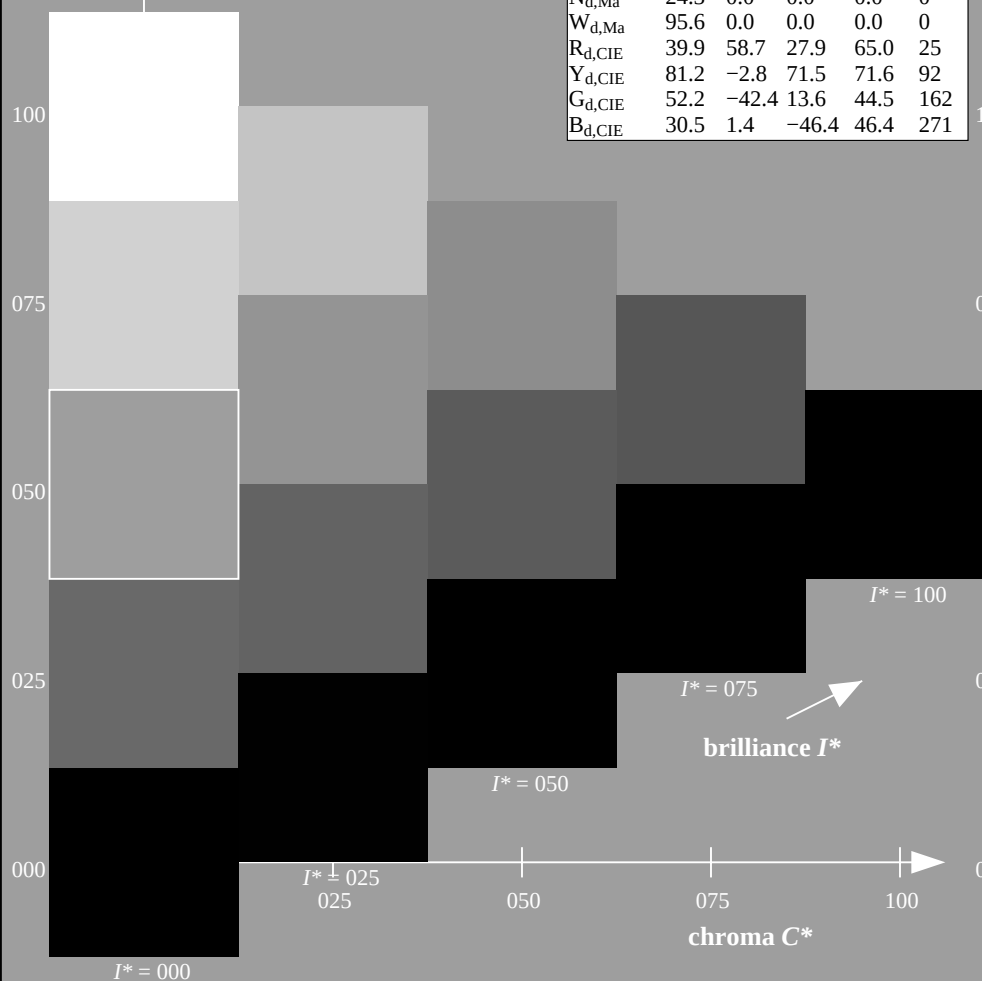
$u^*_{rel} = 92$

% Regularity

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

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

ORS20a; adapted (a) CIELAB data					
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R75Y_100_100 _d	78.6	4.3	84.7	84.8	87
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G00B_100_100 _d	50.0	-65.0	29.6	71.4	155
G25B_100_100 _d	52.9	-48.6	-8.0	49.3	189
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B00R_100_100 _d	25.0	29.5	-40.4	50.0	306
B25R_100_100 _d	35.6	58.6	-20.7	62.1	340
B50R_100_100 _d	46.1	79.3	-0.2	79.3	359
B75R_100_100 _d	45.9	74.2	21.1	77.1	15



TUB-test chart RE17; hue code: $H^*_d = B00R_d$
Test chart according to DIN 33872, 3D=1, de=0, $cmY0^*$

input: $rgb/cmyk \rightarrow rgb_{dd}$
output: 3D-linearization to $cmY0^*_{dd}$

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 306/360 = 0.85$

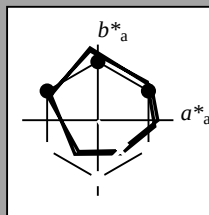
Data for any device (d) or elementary (e) colour:

HIC^*_d

hue text for the colours of this page:

$H^*_d = B00R_d$

triangle lightness T^*



ORS20a; adapted (a) CIELAB data					
name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
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$W_{d,Ma}$	95.6	0.0	0.0	0.0	0
$R_{d,CIE}$	39.9	58.7	27.9	65.0	25
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Data for maximum colour (Ma):

$LabCh^*_{d,Ma}$: 25 29 -40 50 306

$HIC^*_{d,Ma}$: B00R_100_100_d

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

0.0 0.0 1.0 1.0 1.0

triangle lightness T^*

% Gamut

$u^*_{rel} = 92$

% Regularity

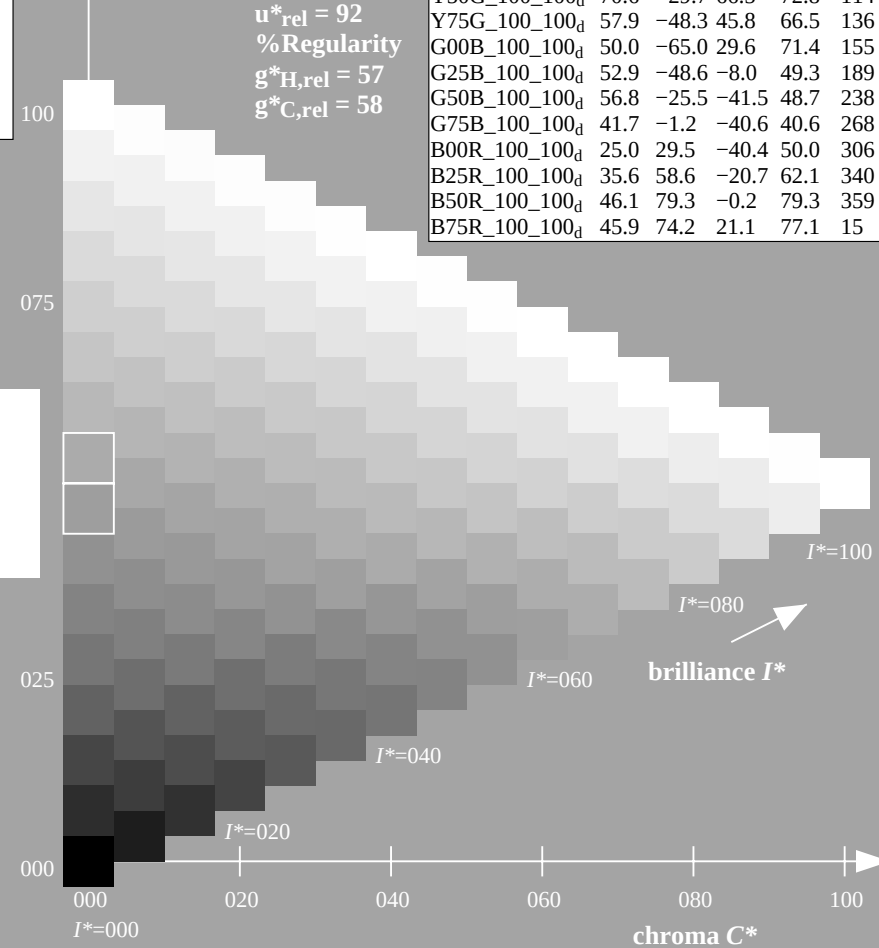
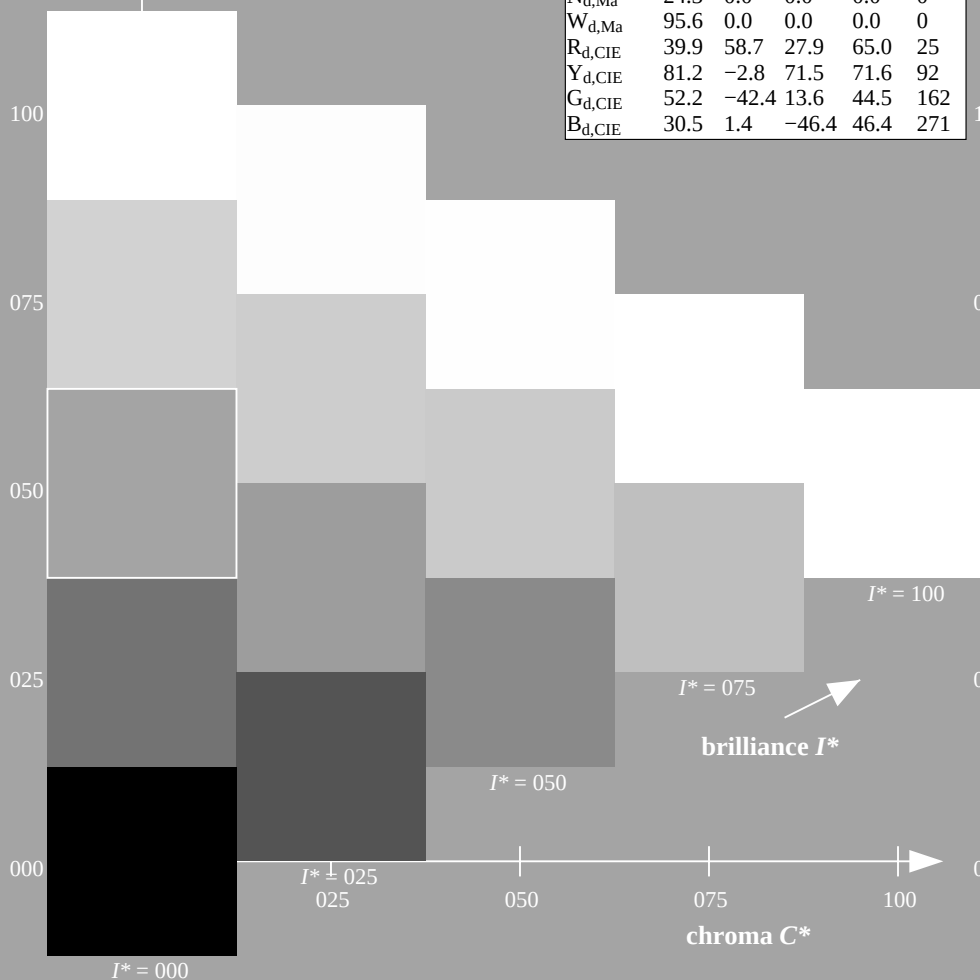
$g^*_{H,rel} = 57$

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

$H^*_d = B00R_d$

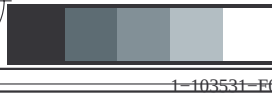
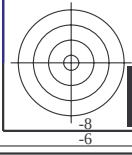
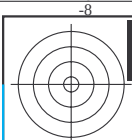
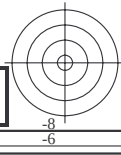
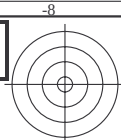
ORS20a; adapted (a) CIELAB data

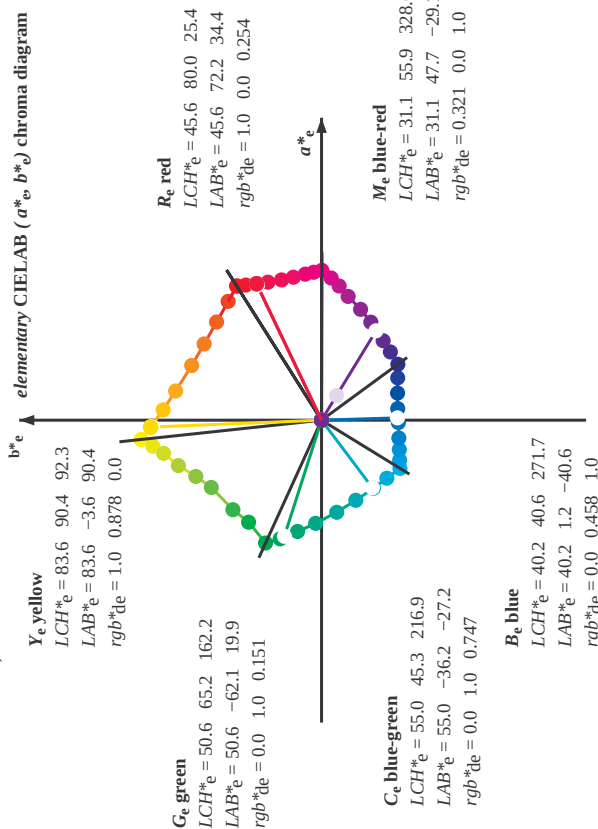
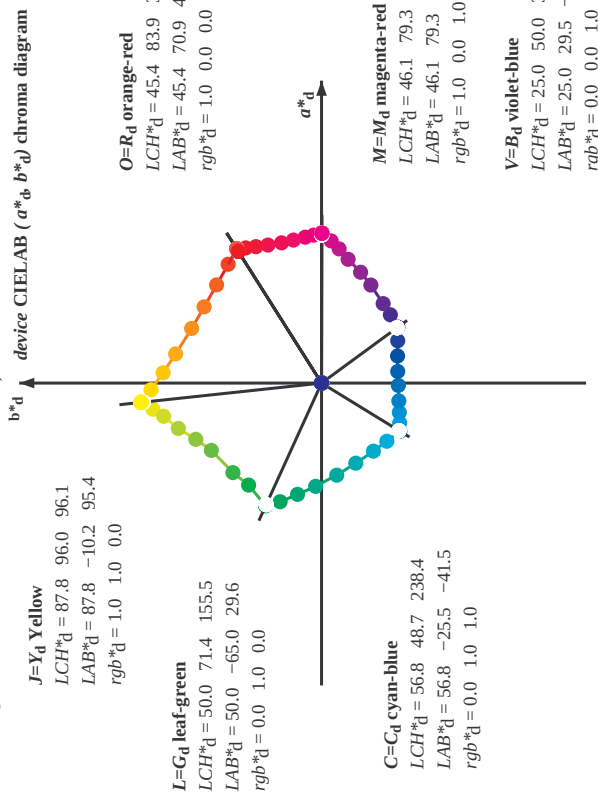
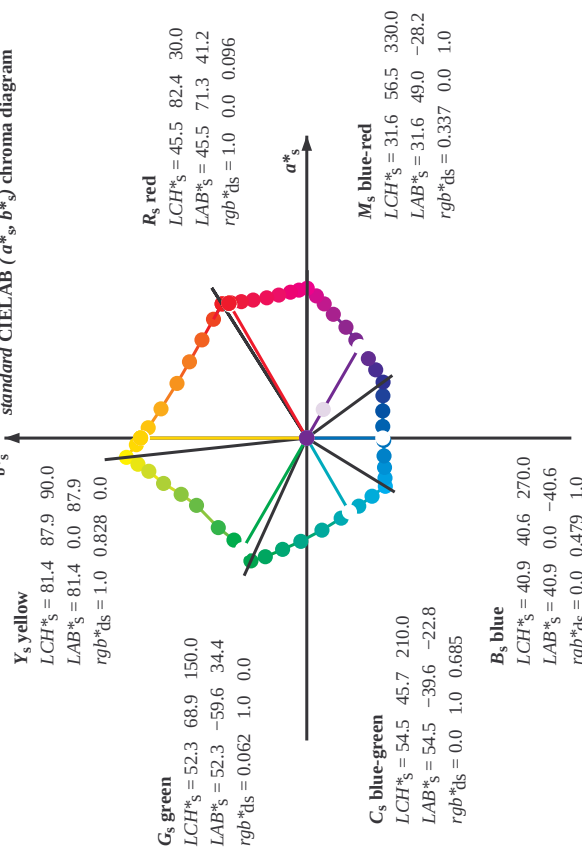
H^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R00Y_{100_100_d}$	45.4	70.9	44.8	83.9	32
$R25Y_{100_100_d}$	53.0	53.4	54.8	76.5	45
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$B50R_{100_100_d}$	46.1	79.3	-0.2	79.3	359
$B75R_{100_100_d}$	45.9	74.2	21.1	77.1	15



TUB-test chart RE17; hue code: $H^*_d = B00R_d$
Test chart according to DIN 33872, 3D=1, de=0, $cmY0^*$

input: $rgb/cmyk \rightarrow rgb_{dd}$
output: 3D-linearization to $cmY0^*_{dd}$



Data of Maximum color M in colorimetric system Offset standard print; separation cmy0*. D65 for input or output; Six hue angles of the 60 degree standard colours RYGBCM; $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours RYGBCM; $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$; Six hue angles of the elementary colours RYGBCM; $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$ standard CIELAB (a^*_s, b^*_s) chroma diagramNotes to the CIELAB chroma diagrams (a^*_d, b^*_d), (a^*_s, b^*_s), (a^*_e, b^*_e)

1. For the rgb^*_e -input values the CIELAB data LCH^*_e and LAB^*_e have been calculated.
2. For the calculation of the standard hue angle h_{ab} use for any device values rgb^*_e the equation:
$$h_{ab,s} = \arctan \left[\frac{r^*_d \cos(30) + g^*_d \cos(150)}{1 + \frac{r^*_d \sin(30) + g^*_d \sin(150)}{b^*_d \sin(270)}} \right] \quad (1)$$
3. For the 48 or 360 equally spaced standard hue angles h_{ab} of the colours of maximum chroma use the seven hue angles of the 60 degree colours e : $h_{ab,e} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0, 390.0$ ($i=0,6$) and the equations for a 48 and 360 step hue circle:
$$h_{48ab,si} = h_{ab,si} + j \left[\frac{h_{ab,si+1} - h_{ab,si}}{8} \right] \quad (i=0,1,\dots,5; j=0,1,\dots,7) \quad (2)$$
$$h_{360ab,sij} = h_{ab,si} + j \left[\frac{h_{ab,si+1} - h_{ab,si}}{60} \right] \quad (i=0,1,\dots,5; j=0,1,\dots,59) \quad (3)$$
4. For the 48 or 360 elementary hue angles h_{ab} of the colours of maximum chroma use the seven hue angles of the elementary colours e : $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6, 385.5$ ($i=0,6$) and the equations for a 48 and 360 step elementary hue circle:
$$h_{48ab,ej} = h_{ab,ej} + j \left[\frac{h_{ab,ej+1} - h_{ab,ej}}{8} \right] \quad (i=0,1,\dots,5; j=0,1,\dots,7) \quad (4)$$
$$h_{360ab,eij} = h_{ab,ej} + j \left[\frac{h_{ab,ej+1} - h_{ab,ej}}{60} \right] \quad (i=0,1,\dots,5; j=0,1,\dots,59) \quad (5)$$
5. For any elementary hue angle h_{ab} there is a well defined device hue angle $h_{ab,d}$ see the following tables, columns 1 to 5 or 1 to 4.
6. The values rgb^*_e produce the output of the device-independent elementary hues

1-103631-L0 RE170-72 LAB*_{la0}, YN=0%, XY Z_{mnw}=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB*_{mnw}=24.4, 0.0, 0.0, 95.6, 0.0, 0.0

Output: Offset standard print; separation cmy0*, D65, page 7/33

TUB-test chart RE17; hue code: H*_d=B00Rd
48 step hue circles; $rgb-LabCh$ -tablesinput: $rgb/cmyk \rightarrow rgbd$
output: 3D-linearization to $cmy0^*dd$

Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

[illegible]

Output: Offset start

```
input: rab/cmvk -> rabcd
```

TUB-test chart RE17: hue code: H*a=B00Rd

48 step hue circles: *rab-LabCh** tables

output: 3D-linearization to $cmv0^{*}dd$

TUB registration: 20150701-RE17/RE17L0FP.PDF /PS
application for measurement of offset print output, separation cmy0* (CMY0)

TUB material: code=rha4ta

Six hue angles of the device colours RYGBCM_d: h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8; Six hue angles of the elementary colours RYGBCM_e: h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

Data of Maximum color M in colorimetric system Offset standard print; separation cmy0*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBCM _d : h _{ab,d} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;			Six hue angles of the device colours RYGBCM _d : h _{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8; Six hue angles of the elementary colours 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} rg ^{b*} dg ^{b*} dg ^{b*}			LAB* d64M (x=LabCh)		
32.3 30.0 25.4			45.4 70.9 44.8 83.9 32.3		
38.1 37.5 33.8			48.9 62.8 49.4 79.9 38.1		
46.8 45.0 42.1			51.9 55.5 76.0 46.8		
56.9 52.5 50.5			59.1 40.3 62.0 74.0 56.9		
67.1 60.0 58.8			64.9 28.9 68.6 74.5 67.1		
78.6 67.5 67.2			72.1 15.4 77.1 78.6 78.6		
86.2 75.0 75.6			77.9 5.4 83.8 84.0 86.2		
92.1 82.5 83.9			83.4 -3.4 90.2 90.2 92.1		
96.1 90.0 92.3			87.8 -10.2 95.4 96.0 96.1		
98.8 97.5 101.0			84.3 -13.9 89.2 90.3 98.8		
101.8 105.0 109.7			80.7 -17.5 83.5 85.3 101.8		
107.6 112.5 118.5			75.3 -24.0 75.7 79.4 107.6		
114.0 120.0 127.2			70.6 -29.7 66.5 72.8 114.0		
121.4 127.5 136.0			65.7 -35.6 58.3 68.3 121.4		
135.3 135.0 144.7			58.4 -47.3 46.8 66.6 135.3		
144.4 142.5 153.4			54.7 -53.9 38.5 66.3 144.4		
155.5 150.0 162.2			50.0 -65.0 29.6 71.4 155.5		
160.7 157.5 169.0			51.2 -62.8 21.9 66.5 160.7		
167.7 165.0 175.9			50.5 -58.9 12.7 60.3 167.7		
176.7 172.5 182.7			52.0 -54.5 3.1 54.6 176.7		
189.3 180.0 189.6			52.9 -48.6 -8.0 49.3 189.3		
203.2 187.5 196.4			54.0 -42.3 -18.1 46.1 203.2		
217.2 195.0 203.2			55.0 -36.0 -27.4 45.3 217.2		
228.3 202.5 210.1			55.8 -30.7 -34.5 46.2 228.3		
238.4 210.0 216.9			56.8 -25.5 -41.5 48.7 238.4		
242.9 217.5 223.8			54.1 -21.1 -41.3 46.4 242.9		
249.3 225.0 230.6			50.4 -15.5 -41.1 43.9 249.3		
256.9 232.5 237.5			46.5 -9.4 -40.8 41.9 256.9		
268.2 240.0 244.3			41.7 -1.2 -40.6 40.6 268.2		
278.6 247.5 251.2			37.3 6.1 -40.2 40.7 278.6		
289.6 255.0 258.0			32.8 14.3 -40.2 42.7 289.6		
299.0 262.5 264.8			28.6 22.4 -40.2 46.1 299.0		
306.2 270.0 271.7			25.9 29.5 -40.4 50.0 306.2		
314.7 277.5 278.8			23.9 36.0 -36.4 51.2 314.7		
322.1 285.0 285.9			21.9 41.9 -32.5 53.1 322.1		
333.3 292.5 293.0			20.0 48.1 -26.0 58.0 333.3		
340.5 300.0 300.1			18.1 54.4 -20.7 62.1 340.5		
347.9 307.5 307.2			16.5 60.6 -14.0 66.9 347.9		
352.5 315.0 314.3			15.0 66.9 -9.2 71.6 352.5		
356.1 322.5 321.4			13.5 72.5 -5.0 75.3 356.1		
359.8 330.0 328.6			12.0 78.3 -0.2 79.3 359.8		
363.0 337.5 335.7			10.5 83.5 4.1 78.3 363.0		
366.4 345.0 342.8			8.6 88.6 7.1 77.6 366.4		
371.1 352.5 349.9			7.1 93.7 14.8 77.0 371.1		
381.2 367.5 364.1			5.4 98.6 21.1 77.1 381.2		
385.6 375.0 371.2			4.5 103.7 28.3 78.3 385.6		
389.3 382.5 378.3			3.9 108.8 34.6 80.0 389.3		
392.3 390.0 385.4			3.4 113.9 40.1 81.9 392.3		

see similar files: <http://130.149.60.45/~farbmatrik/RE17/RE17.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

Output: Offset standard print; separation cmy0*, D65, page 9/33

input: *rgb/cmyk* -> *rgbb*
output: 3D-linearization to *cmy0*dd*

<http://130.149.60.45/~farbmatrik/RE17/RE17L0FP.PDF> /PS; 3D-linearization F: 3D-linearization RE17/RE17LE30FP DAT in file (F), page 14/33

[illegible]

Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

	rgb^*, d_{361M}	$LAB^*, dx_{361Mi} (x=LabCh)$	rgb^*, d_{361Mi}	$LAB^*, ds_{361Mi} (x=LabCh)$	rgb^*, d_{d361Mi}	rgb^*, de_{361Mi}	$LAB^*, dex_{361Mi} (x=LabCh)$	rgb^*, dd_{361Mi}															
0.0	1.0	1.0	56.8	-25.5 -41.5 48.7	238	C _d	0.0	1.0	0.685 54.5	-39.5 -22.8 45.7	210C _s	0.0	1.0	1.0									
0.0	0.983 1.0	56.4	-24.9 -41.5 48.4	239			0.0	1.0	0.694 54.6	-39.0 -23.4 45.7	211	0.0	0.983 1.0	0.0	1.0	0.747 55.0	-36.1 -27.2 45.3	216C _e	0.0	1.0	1.0		
0.0	0.966 1.0	56.1	-24.3 -41.5 48.1	239			0.0	1.0	0.703 54.7	-38.6 -24.1 45.6	212	0.0	0.967 1.0	0.0	1.0	0.767 55.2	-35.7 -27.8 45.4	217	0.0	0.983 1.0			
0.0	0.95	1.0	55.7	-23.7 -41.5 47.8	240		0.0	1.0	0.712 54.7	-38.1 -24.7 45.6	213	0.0	0.95	1.0	0.0	1.0	0.778 55.2	-34.9 -29.0 45.5	218	0.0	0.967 1.0		
0.0	0.933 1.0	55.4	-23.1 -41.5 47.5	240			0.0	1.0	0.721 54.8	-37.6 -25.3 45.5	214	0.0	0.933 1.0	0.0	1.0	0.788 55.3	-34.5 -29.6 45.6	220	0.0	0.933 1.0			
0.0	0.916 1.0	55.0	-22.5 -41.4 47.2	241			0.0	1.0	0.73	54.9	-37.1 -26.0 45.4	215	0.0	0.917 1.0	0.0	1.0	0.798 55.4	-34.1 -30.2 45.7	221	0.0	0.917 1.0		
0.0	0.9	1.0	54.6	-22.0 -41.4 46.9	242		0.0	1.0	0.739 55.0	-36.6 -26.6 45.4	216	0.0	0.9	1.0	0.0	1.0	0.808 55.4	-33.6 -30.8 45.7	222	0.0	0.9	1.0	
0.0	0.883 1.0	54.3	-21.4 -41.4 46.6	242			0.0	1.0	0.747 55.0	-36.1 -27.2 45.3	217	0.0	0.883 1.0	0.0	1.0	0.819 55.5	-33.2 -31.3 45.8	223	0.0	0.883 1.0			
0.0	0.866 1.0	53.9	-20.7 -41.3 46.3	243			0.0	1.0	0.758 55.1	-35.6 -27.8 45.4	218	0.0	0.867 1.0	0.0	1.0	0.829 55.6	-32.7 -31.9 45.9	224	0.0	0.867 1.0			
0.0	0.85	1.0	53.4	-20.0 -41.3 45.9	244		0.0	1.0	0.769 55.2	-35.2 -28.5 45.4	219	0.0	0.85	1.0	0.0	1.0	0.839 55.6	-32.3 -32.5 45.9	225	0.0	0.85	1.0	
0.0	0.833 1.0	52.9	-19.2 -41.3 45.6	245			0.0	1.0	0.781 55.3	-34.8 -29.2 45.5	220	0.0	0.833 1.0	0.0	1.0	0.85	55.7	-31.8 -33.1 46.0	226	0.0	0.833 1.0		
0.0	0.816 1.0	52.4	-18.5 -41.3 45.3	245			0.0	1.0	0.792 55.3	-34.3 -29.8 45.6	221	0.0	0.817 1.0	0.0	1.0	0.86	55.8	-31.3 -33.6 46.1	227	0.0	0.817 1.0		
0.0	0.8	1.0	51.9	-17.7 -41.3 44.9	246		0.0	1.0	0.803 55.4	-33.9 -30.5 45.7	222	0.0	0.8	1.0	0.0	1.0	0.87	55.8	-30.8 -34.2 46.2	227	0.0	0.8	1.0
0.0	0.783 1.0	51.4	-17.0 -41.2 44.6	247			0.0	1.0	0.815 55.5	-33.4 -31.1 45.8	223	0.0	0.783 1.0	0.0	1.0	0.881 55.9	-30.4 -34.8 46.3	228	0.0	0.783 1.0			
0.0	0.766 1.0	50.9	-16.2 -41.2 44.2	248			0.0	1.0	0.826 55.6	-32.9 -31.7 45.8	224	0.0	0.767 1.0	0.0	1.0	0.893 56.0	-30.0 -35.4 46.6	229	0.0	0.767 1.0			
0.0	0.75	1.0	50.4	-15.5 -41.1 43.9	249		0.0	1.0	0.837 55.6	-32.4 -32.4 45.9	225	0.0	0.75	1.0	0.0	1.0	0.904 56.1	-29.6 -36.1 46.8	230	0.0	0.75	1.0	
0.0	0.733 1.0	49.9	-14.7 -41.1 43.6	250			0.0	1.0	0.849 55.7	-31.9 -33.0 46.0	226	0.0	0.733 1.0	0.0	1.0	0.915 56.2	-29.1 -36.7 47.0	231	0.0	0.733 1.0			
0.0	0.716																						

1-1031331-I-0	RE170-72	LAB*1a0, YN=0%, XYZnw=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB*nw=24.4, 0.0, 0.0, 95.6, 0.0, 0.0
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input: $rgb/cmyk \rightarrow rgb_{dd}$
 output: 3D-linearization to $cmy0^*_{dd}$

REI70-72 LAB*a0, YN=0%, XYZnw=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, TUB-test chart RE17; hue code: H*d=B00Rd 48 step hue circles; *rgb-LabCh**tables

Output: Offset standard p



TUB material: code=rha4ta
my0* (CMY0)

input: *rgb/cmyk* $\rightarrow$ *rgb_{dd}*
output: 3D-linearization to *cmy0*_{dd}*

TUB-test chart RE17; hue code: H_d^{*}=B00R_d
colors and differences, $\Delta E^{*,*}$

2E170-7N Page 18/33-E

-1031731-E0

 $\in$

n/i	HIC*Fid	rgb_Fid	icc_Fid	hgs_Fid	rgb*Fid	LabCh*Fid	cmym*_sepFid	haxn_Fid	rgb*_Fid	LabCh*_Fid	delta
0/648	RO0Y_100_100ad	1.0	0.0	1.0	1.0	0.0	0.0	389	1.0	0.0	32.3
1/657	R13Y_100_100ad	1.0	0.125	1.0	0.0	45.4	0.0	36	0.0	0.882	80.9
2/666	R25Y_100_100ad	1.0	0.25	1.0	0.116	0.0	0.0	42	0.0	1.0	44.8
3/675	R38Y_100_100ad	1.0	0.375	1.0	0.233	0.0	0.0	51	0.0	0.882	83.9
4/684	R50Y_100_100ad	1.0	0.5	1.0	0.366	0.0	0.0	58	0.0	0.882	90.6
5/693	R63Y_100_100ad	1.0	0.625	1.0	0.5	0.0	0.0	68	0.0	0.882	96.1
6/702	R75Y_100_100ad	1.0	0.75	1.0	0.766	0.0	0.0	76	0.0	0.882	101.4
7/711	R88Y_100_100ad	1.0	0.875	1.0	0.883	0.0	0.0	83	0.0	0.882	106.9
8/720	Y00G_100_100ad	1.0	1.0	1.0	1.0	0.0	0.0	89	1.0	0.0	111.4
9/639	Y13G_100_100ad	0.875	1.0	0.5	0.883	0.0	0.0	96	0.883	1.0	116.9
10/558	Y25G_100_100ad	0.75	1.0	0.5	0.766	0.0	0.0	102	0.766	1.0	121.9
11/477	Y38G_100_100ad	0.625	1.0	0.5	0.633	0.0	0.0	111	0.633	1.0	126.9
12/396	Y50G_100_100ad	0.5	1.0	0.5	0.5	0.0	0.0	119	0.5	1.0	131.9
13/315	Y63G_100_100ad	0.375	1.0	0.5	0.366	0.0	0.0	128	0.366	1.0	136.9
14/234	Y75G_100_100ad	0.25	1.0	0.5	0.233	0.0	0.0	137	0.233	1.0	141.9
15/153	Y88G_100_100ad	0.125	1.0	0.5	0.116	0.0	0.0	143	0.116	1.0	146.9
16/72	G00C_100_100ad	0.0	1.0	0.5	0.0	50.0	0.0	149	0.0	1.0	151.9
17/773	G13C_100_100ad	0.0	1.0	0.5	0.116	50.5	0.0	156	0.0	0.882	156.9
18/774	G25C_100_100ad	0.0	1.0	0.5	0.233	51.1	0.0	162	0.0	0.882	161.9
19/75	G38C_100_100ad	0.0	1.0	0.5	0.366	51.9	0.0	171	0.0	0.882	166.9
20/76	G50C_100_100ad	0.0	1.0	0.5	0.5	52.9	0.0	180	0.0	0.882	171.9
21/77	G63C_100_100ad	0.0	1.0	0.5	0.633	54.1	0.0	188	0.0	0.882	176.9
22/78	G75C_100_100ad	0.0	1.0	0.5	0.766	55.1	0.0	197	0.0	0.882	181.9
23/79	G88C_100_100ad	0.0	1.0	0.5	0.883	55.9	0.0	203	0.0	0.882	186.9
24/80	C00B_100_100ad	0.0	1.0	0.5	0.0	56.8	0.0	210	0.0	1.0	191.9
25/81	C13B_100_100ad	0.0	1.0	0.5	0.083	56.8	0.0	216	0.0	0.883	196.9
26/82	C25B_100_100ad	0.0	1.0	0.5	0.233	57.4	0.0	222	0.0	0.883	201.9
27/83	C38B_100_100ad	0.0	1.0	0.5	0.366	58.1	0.0	229	0.0	0.883	206.9
28/84	C50B_100_100ad	0.0	1.0	0.5	0.5	58.9	0.0	236	0.0	0.883	211.9
29/85	C63B_100_100ad	0.0	1.0	0.5	0.633	59.6	0.0	243	0.0	0.883	216.9
30/86	C75B_100_100ad	0.0	1.0	0.5	0.766	60.3	0.0	250	0.0	0.883	221.9
31/17	C88B_100_100ad	0.0	1.0	0.5	0.883	61.0	0.0	257	0.0	0.883	226.9
32/8	B00M_100_100ad	0.0	1.0	1.0	0.0	25.0	0.0	270	0.0	1.0	231.9
33/89	B13M_100_100ad	0.125	1.0	1.0	0.116	25.0	0.0	276	0.0	0.883	236.9



TUB material: code=rha4ta
ny0* (CMY0)

input: *rgb/cmyk* $\rightarrow$ *rgb_{dd}*
output: 3D-linearization to *cmy0*_{dd}*

TUB-test chart RE17; hue code: H_d^{*}=B00R_d
colors and differences, $\Delta E^{*,*}$

[illegible]

see similar files: <http://130.149.60.45/~farbmatrik/RE17/RE17.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

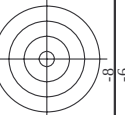
TUB-test chart RE17; hue code: H_d^{*}=B00R_d

input: *rgb/cmyk* $\rightarrow$ *rgb_{dd}*
output: 3D-linearization to *cmy0**_{dd}

[illegible]

[illegible]

TUB-test chart RE17; hue code: H_d^{*}=B00R_d
colors and differences, ΔE^{*}



TUB material: code=rha4ta
ny0* (CMY0)

input: *rgb/cmyk* $\rightarrow$ *rgb_{dd}*
 output: 3D-linearization to *cmy0**_{dd}

TUB-test chart RE17; hue code: $H^*_d=B00R_d$
colors and differences, ΔE^*

[illegible]

http://130.149.60.45/~farbmatrik/RE17/RE17L0FP.PDF /PS; 3D-linearization
F: 3D-linearization RE17/RE17LE30FP.DAT in file (F), page 28/33

[illegible]

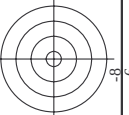
RE170-7N, Page 28/33-F

TUB-test chart RE17; hue code: H^{*}_d=B00R_d
colors and differences, ΔE^{*}

input: *rgb/cmyk* $\rightarrow$ *rgb_{dd}*
output: 3D-linearization to *cmy0*_{dd}*

see similar files: <http://130.149.60.45/~farbmatrik/RE17/RE17.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

n	HVC-Fid	rgb-Fid	icr-Fid	hsa-Fid	rgb-Fid	LabCH-Fid	cmyn* _{sep} -Fid	hax _{id}	rgb _{id}	LabCH _{id}	delta
729	NW_100ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
730	G50B_100.012ad	0.875	1.0	1.0	0.875	1.0	0.0	210	1.0	56.8	0.0
731	G50B_100.025ad	0.875	1.0	1.0	0.875	1.0	0.0	210	1.0	56.8	0.0
732	G50B_100.037ad	0.875	1.0	1.0	0.875	1.0	0.0	210	1.0	56.8	0.0
733	G50B_100.050ad	0.875	1.0	1.0	0.875	1.0	0.0	210	1.0	56.8	0.0
734	G50B_100.062ad	0.875	1.0	1.0	0.875	1.0	0.0	210	1.0	56.8	0.0
735	G50B_100.075ad	0.875	1.0	1.0	0.875	1.0	0.0	210	1.0	56.8	0.0
736	G50B_100.087ad	0.875	1.0	1.0	0.875	1.0	0.0	210	1.0	56.8	0.0
737	G50B_100.100ad	0.875	1.0	1.0	0.875	1.0	0.0	210	1.0	56.8	0.0
738	ROY_100.012ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
739	ROY_100.025ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
740	ROY_100.037ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
741	ROY_100.050ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
742	ROY_100.062ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
743	ROY_100.075ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
744	ROY_100.087ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
745	ROY_100.100ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
746	ROY_100.012ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
747	ROY_100.025ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
748	ROY_100.037ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
749	ROY_100.050ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
750	ROY_100.062ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
751	ROY_100.075ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
752	ROY_100.087ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
753	ROY_100.100ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
754	ROY_100.012ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
755	ROY_100.025ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
756	ROY_100.037ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
757	ROY_100.050ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
758	ROY_100.062ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
759	ROY_100.075ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
760	ROY_100.087ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
761	ROY_100.100ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
762	ROY_100.012ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
763	ROY_100.025ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
764	ROY_100.037ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
765	ROY_100.050ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
766	ROY_100.062ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
767	ROY_100.075ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
768	ROY_100.087ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
769	ROY_100.100ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
770	ROY_100.012ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
771	ROY_100.025ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
772	ROY_100.037ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
773	ROY_100.050ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
774	ROY_100.062ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
775	ROY_100.075ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
776	ROY_100.087ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
777	ROY_100.100ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
778	ROY_100.012ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
779	ROY_100.025ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
780	ROY_100.037ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
781	ROY_100.050ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
782	ROY_100.062ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
783	ROY_100.075ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
784	ROY_100.087ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
785	ROY_100.100ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
786	ROY_100.012ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
787	ROY_100.025ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
788	ROY_100.037ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
789	ROY_100.050ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
790	ROY_100.062ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
791	ROY_100.075ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
792	ROY_100.087ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
793	ROY_100.100ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
794	ROY_100.012ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
795	ROY_100.025ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
796	ROY_100.037ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
797	ROY_100.050ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
798	ROY_100.062ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
799	ROY_100.075ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
800	ROY_100.087ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
801	ROY_100.100ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
802	ROY_100.012ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
803	ROY_100.025ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
804	ROY_100.037ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
805	ROY_100.050ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
806	ROY_100.062ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
807	ROY_100.075ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
808	ROY_100.087ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0
809	ROY_100.100ad	0.875	1.0	1.0	0.875	1.0	0.0	360	1.0	95.6	0.0



TUB material: code=rha4ta
ny0* (CMY0)

input: *rgb/cmyk* -> *rgb*_{dd}
output: 3D-linearization to *cmy0**_{dd}

UB-test chart RE17; hue code: $H^*_d=B00R_d$
 colors and differences, ΔE^*

RE170-7N, Page 30/33-F

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[illegible]

n	HC*Fid	rgb_Fid	lct_Fid	hsa_Fid	rgb*Fid	LabCH*Fid	cmyn*sep_Fid	hsv*dd	rgb*dd	LabCH*dd	delta
1053	NW_086dd	0.866 0.866 0.866	0.866 0.0 0.866	360 0.866 0.866	0.866 0.866 0.866	86.0 0.0 0.0	0.173 0.108 0.099	0.0 0.0 0.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0
1054	NW_093dd	0.933 0.933 0.933	0.933 0.0 0.933	360 0.933 0.933	0.933 0.933 0.933	90.8 0.0 0.0	0.09 0.054 0.05	0.0 0.0 0.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0
1055	NW_100dd	1.0 1.0 1.0	1.0 0.0 1.0	360 1.0 1.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0
1056	NW_100dd	0.066 0.066 0.066	0.066 0.0 0.066	360 0.066 0.066	0.066 0.066 0.066	29.0 0.0 0.0	0.935 0.855 0.825	0.0 0.0 0.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0
1057	NW_006dd	0.066 0.066 0.066	0.066 0.0 0.066	360 0.066 0.066	0.066 0.066 0.066	29.0 0.0 0.0	0.879 0.763 0.725	0.0 0.0 0.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0
1058	NW_013dd	0.133 0.133 0.133	0.133 0.0 0.133	360 0.133 0.133	0.133 0.133 0.133	33.8 0.0 0.0	0.799 0.661 0.614	0.0 0.0 0.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0
1059	NW_020dd	0.2 0.2 0.2	0.2 0.0 0.2	360 0.2 0.2	0.2 0.2 0.2	38.6 0.0 0.0	0.731 0.571 0.537	0.0 0.0 0.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0
1060	NW_026dd	0.266 0.266 0.266	0.266 0.0 0.266	360 0.266 0.266	0.266 0.266 0.266	43.3 0.0 0.0	0.682 0.507 0.485	0.0 0.0 0.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0
1061	NW_033dd	0.333 0.333 0.333	0.333 0.0 0.333	360 0.333 0.333	0.333 0.333 0.333	48.1 0.0 0.0	0.636 0.454 0.433	0.0 0.0 0.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0
1062	NW_040dd	0.4 0.4 0.4	0.4 0.0 0.4	360 0.4 0.4	0.4 0.4 0.4	52.8 0.0 0.0	0.574 0.354 0.381	0.0 0.0 0.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0
1063	NW_046dd	0.466 0.466 0.466	0.466 0.0 0.466	360 0.466 0.466	0.466 0.466 0.466	57.5 0.0 0.0	0.509 0.328 0.342	0.0 0.0 0.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0
1064	NW_053dd	0.533 0.533 0.533	0.533 0.0 0.533	360 0.533 0.533	0.533 0.533 0.533	62.3 0.0 0.0	0.442 0.278 0.278	0.0 0.0 0.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0
1065	NW_060dd	0.6 0.6 0.6	0.6 0.0 0.6	360 0.6 0.6	0.6 0.6 0.6	67.1 0.0 0.0	0.377 0.228 0.228	0.0 0.0 0.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0
1066	NW_066dd	0.666 0.666 0.666	0.666 0.0 0.666	360 0.666 0.666	0.666 0.666 0.666	71.8 0.0 0.0	0.314 0.191 0.186	0.0 0.0 0.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0
1067	NW_073dd	0.734 0.734 0.734	0.734 0.0 0.734	360 0.734 0.734	0.734 0.734 0.734	76.6 0.0 0.0	0.252 0.153 0.146	0.0 0.0 0.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0
1068	NW_080dd	0.8 0.8 0.8	0.8 0.0 0.8	360 0.8 0.8	0.8 0.8 0.8	81.3 0.0 0.0	0.173 0.108 0.099	0.0 0.0 0.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0
1069	NW_086dd	0.866 0.866 0.866	0.866 0.0 0.866	360 0.866 0.866	0.866 0.866 0.866	86.0 0.0 0.0	0.09 0.054 0.05	0.0 0.0 0.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0
1070	NW_093dd	0.933 0.933 0.933	0.933 0.0 0.933	360 0.933 0.933	0.933 0.933 0.933	90.8 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0
1071	NW_100dd	1.0 1.0 1.0	1.0 0.0 1.0	360 1.0 1.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0
1072	NW_100dd	0.0 0.0 0.0	0.0 0.0 0.0	360 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0
1073	ROY_100_100dd	1.0 1.0 1.0	1.0 1.0 1.0	360 1.0 1.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	95.6 0.0 0.0	0.0
1074	G50B_100_100dd	0.0 1.0 1.0	0.0 1.0 1.0	360 0.0 1.0	0.0 1.0 1.0	45.4 70.9 44.8	0.0 0.0 0.0	0.0 0.0 0.0	1.0 0.0 0.0	45.4 70.9 44.8	32.3
1075	Y06C_100_100dd	0.0 1.0 1.0	0.0 1.0 1.0	360 0.0 1.0	0.0 1.0 1.0	56.8 -25.5 -41.5	0.0 0.0 0.0	0.0 0.0 0.0	1.0 0.0 0.0	56.8 -25.5 -41.5	238.4
1076	B00B_100_100dd	1.0 0.0 0.0	1.0 0.0 0.0	360 1.0 0.0	1.0 0.0 0.0	95.4 96.0 96.1	0.0 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	95.4 96.0 96.1	96.1
1077	B00B_100_100dd	0.0 1.0 1.0	0.0 1.0 1.0	360 0.0 1.0	0.0 1.0 1.0	50.0 35.3 35.3	0.999 0.0 0.0	0.0 0.0 0.0	1.0 0.0 0.0	50.0 35.3 35.3	35.3
1078	B50R_100_100dd	0.0 1.0 0.0	0.0 1.0 1.0	360 0.0 1.0	0.0 1.0 0.0	29.5 29.5 29.5	0.0 0.0 0.0	0.0 0.0 0.0	1.0 0.0 0.0	29.5 29.5 29.5	29.5
1079	B50R_100_100dd	1.0 0.0 1.0	1.0 1.0 1.0	360 1.0 0.0	1.0 0.0 1.0	46.1 79.3 -0.2	0.0 0.0 0.0	0.0 0.0 0.0	1.0 0.0 0.0	46.1 79.3 -0.2	79.3

input: *rgb/cmyk* -> *rgb*
output: 3D-linearization to *cmy0*dd*

TUB-test chart RE17; hue code: H*_d=B00Rd
colors and differences, ΔE^*