

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue  $h_{ab,a,rel} = h_{ab}/360 = 353/360 = 0.98$

$H^*_- = B50R_-$

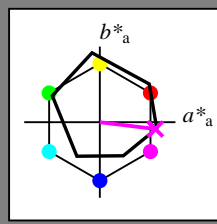
Data for any device (d) or elementary (e) colour:

$HIC^*_-$

hue text for the colours of this page:

$H^*_- = B50R_-$

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
Y_.,Ma	90.3	-10.2	91.7	92.3
G_.,Ma	50.9	-62.8	34.9	71.9
C_.,Ma	58.6	-30.3	-45.0	54.2
B_.,Ma	25.7	31.0	-44.4	54.2
M_.,Ma	48.1	75.2	-8.3	75.7
N_.,Ma	18.0	0.0	0.0	0.0
W_.,Ma	95.4	0.0	0.0	0.0
R_.,CIE	39.9	58.7	27.9	65.0
Y_.,CIE	81.2	-2.8	71.5	71.6
G_.,CIE	52.2	-42.4	13.6	44.5
B_.,CIE	30.5	1.4	-46.4	46.4

Data for maximum colour (Ma):

$LabCh^*_{-,Ma}: 49\ 73\ -9\ 74\ 353$

$HIC^*_{-,Ma}: B50R\_100\_100\_$

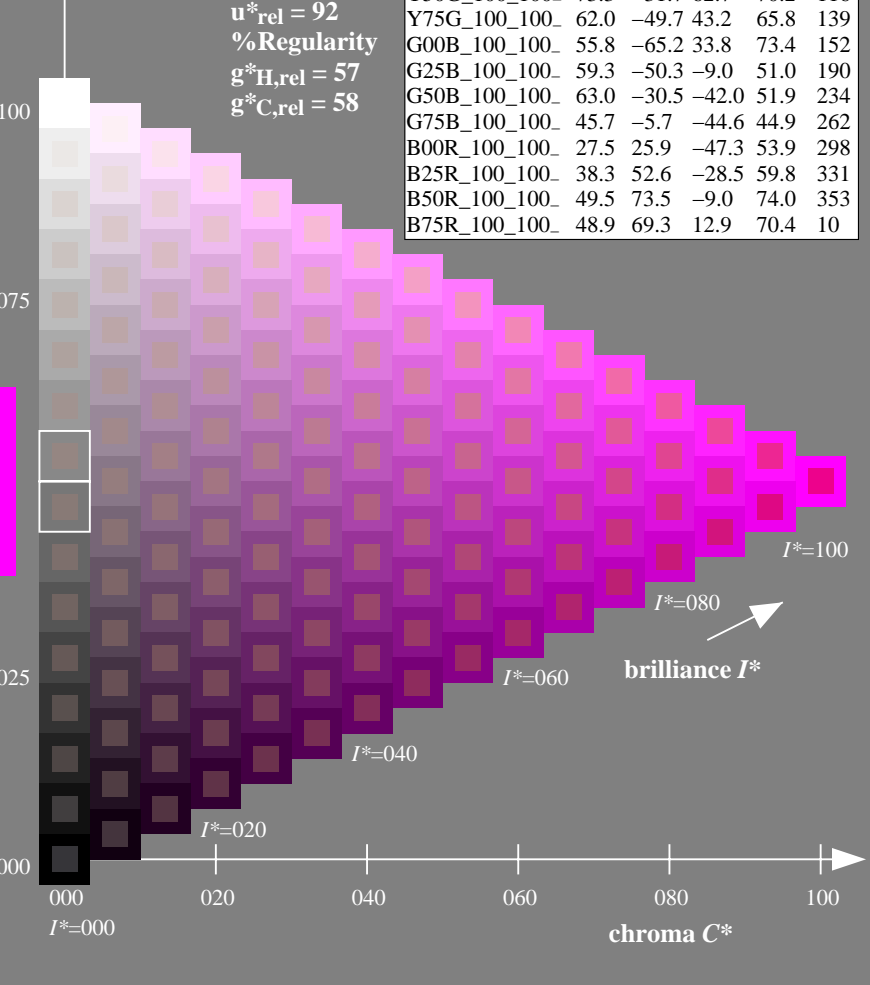
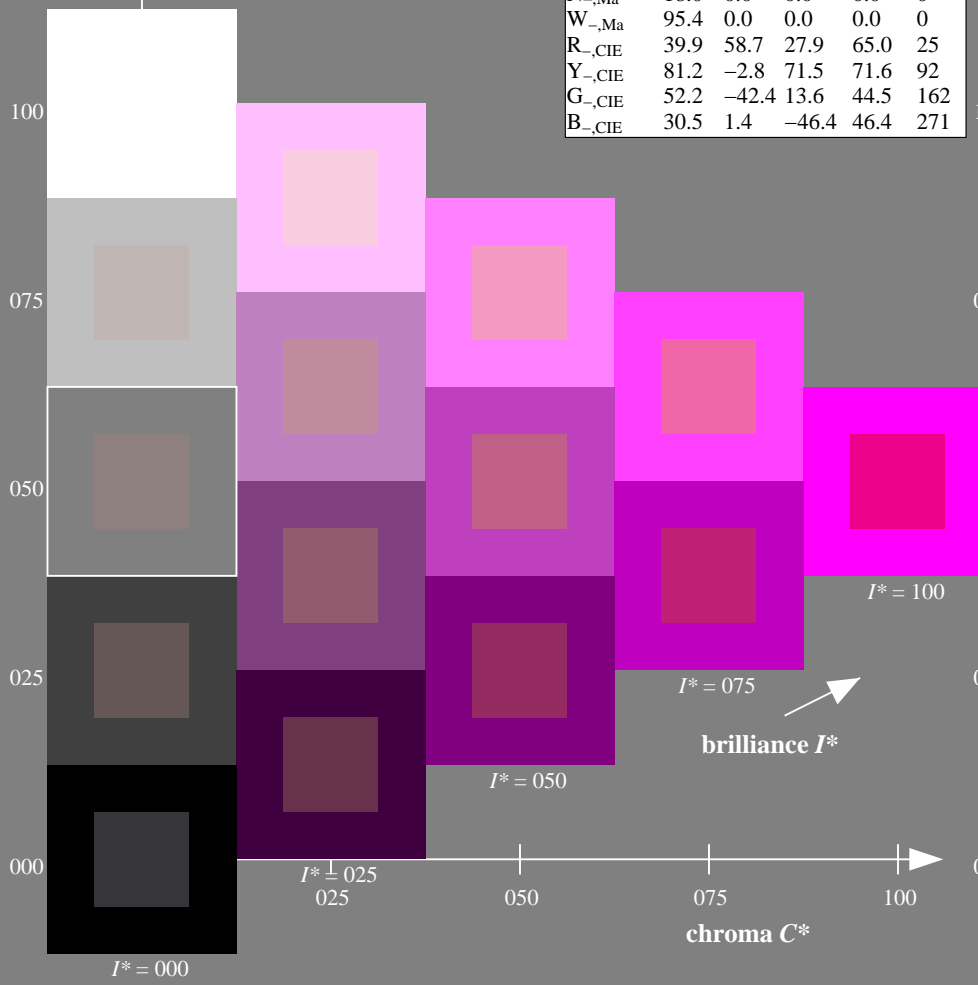
$rgbic^*_{-,Ma}: 1.0\ 0.0\ 1.0\ 1.0\ 1.0$

triangle lightness  $T^*$

**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
R25Y_100_100_	56.8	48.0	50.5	69.6
R50Y_100_100_	68.6	25.0	63.9	68.6
R75Y_100_100_	80.6	4.8	77.2	77.3
Y00G_100_100_	90.2	-9.6	88.2	88.7
Y25G_100_100_	83.2	-18.4	79.9	81.9
Y50G_100_100_	73.3	-31.7	62.7	70.2
Y75G_100_100_	62.0	-49.7	43.2	65.8
G00B_100_100_	55.8	-65.2	33.8	73.4
G25B_100_100_	59.3	-50.3	-9.0	51.0
G50B_100_100_	63.0	-30.5	-42.0	51.9
G75B_100_100_	45.7	-5.7	-44.6	44.9
B00R_100_100_	27.5	25.9	-47.3	53.9
B25R_100_100_	38.3	52.6	-28.5	59.8
B50R_100_100_	49.5	73.5	-9.0	74.0
B75R_100_100_	48.9	69.3	12.9	70.4

%Gamut  
 $u^*_{rel} = 92$   
%Regularity  
 $g^*_{H,rel} = 57$   
 $g^*_{C,rel} = 58$



see similar files: http://130.149.60.45/~farbmetrik/RE34/RE34.HTM  
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20150701-RE34/RE34LONA.TXT /PS  
application for measurement of offset print output

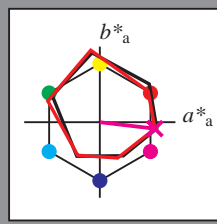
TUB material: code=rh4ta

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue  $h_{ab,a,rel} = h_{ab}/360 = 353/360 = 0.98$

$H^*_d = B50R_d$

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

$HIC^*_d$   
hue text for the colours of this page:  
 $H^*_d = B50R_d$   
triangle lightness  $T^*$



ORS20a; adapted (a) CIELAB data

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

Data for maximum colour (Ma):

$LabCh^*_{d, Ma}$ : 48 72 -8 73 353

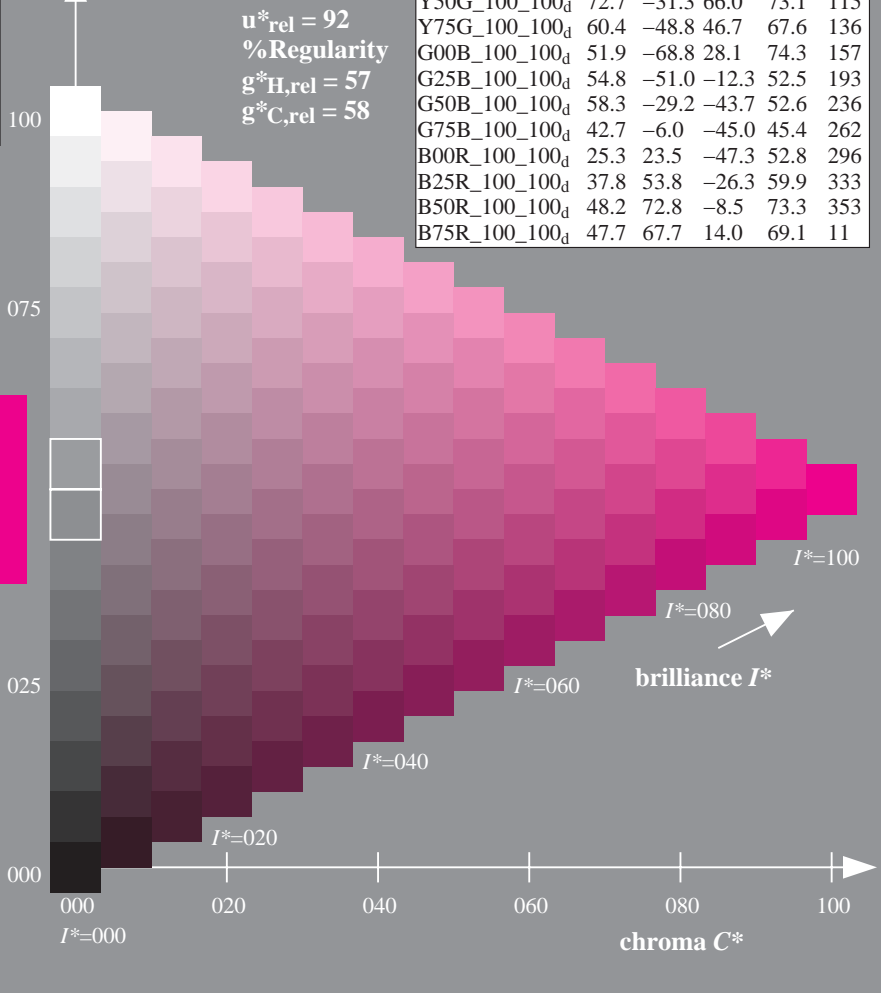
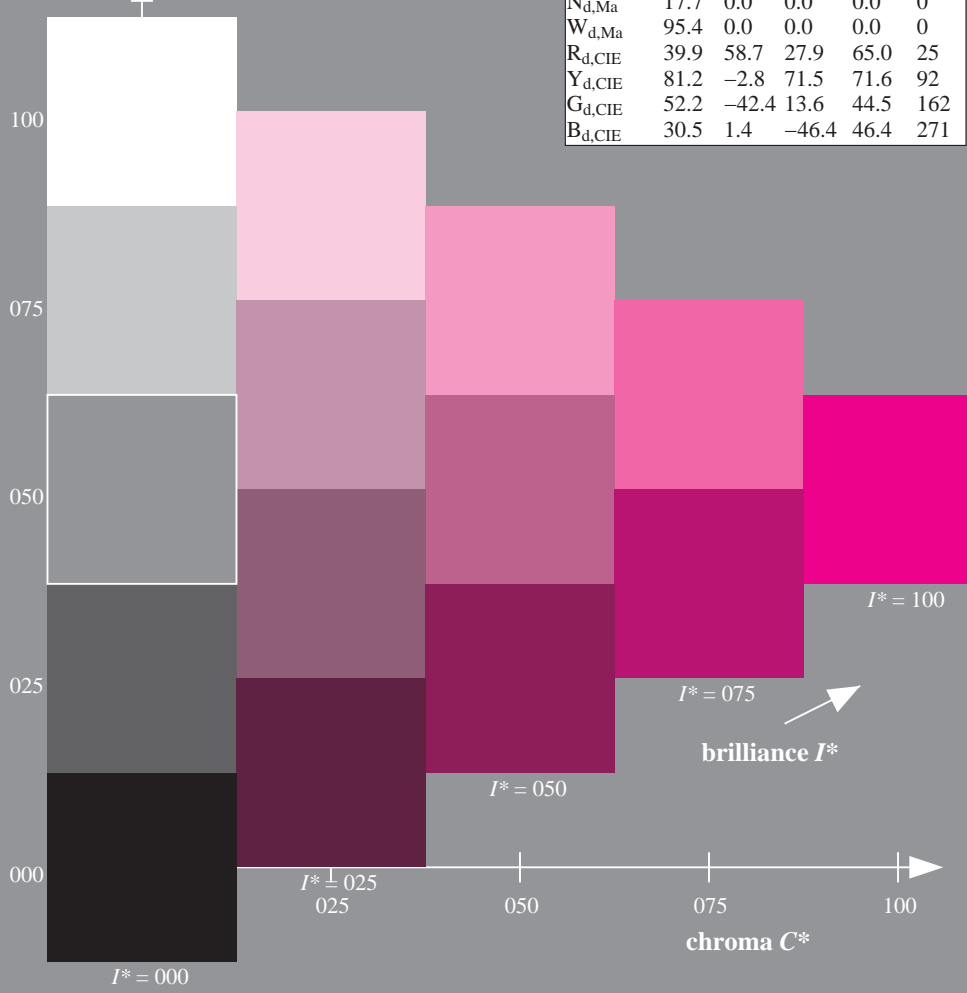
$HIC^*_{d, Ma}$ : B50R\_100\_100d

$rgbic^*_{d, Ma}$ :  
1.0 0.0 1.0 1.0 1.0

triangle lightness  $T^*$

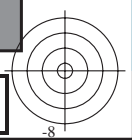
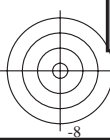
ORS20a; adapted (a) CIELAB data

$H^*_d$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100 <sub>d</sub>	47.3	63.8	41.2	76.0	32
R25Y_100_100 <sub>d</sub>	55.3	45.8	52.2	69.5	48
R50Y_100_100 <sub>d</sub>	67.2	22.6	67.6	71.2	71
R75Y_100_100 <sub>d</sub>	79.9	1.0	83.9	83.9	89
Y00G_100_100 <sub>d</sub>	88.3	-11.9	95.1	95.8	97
Y25G_100_100 <sub>d</sub>	83.3	-19.2	83.7	85.9	102
Y50G_100_100 <sub>d</sub>	72.7	-31.3	66.0	73.1	115
Y75G_100_100 <sub>d</sub>	60.4	-48.8	46.7	67.6	136
G00B_100_100 <sub>d</sub>	51.9	-68.8	28.1	74.3	157
G25B_100_100 <sub>d</sub>	54.8	-51.0	-12.3	52.5	193
G50B_100_100 <sub>d</sub>	58.3	-29.2	-43.7	52.6	236
G75B_100_100 <sub>d</sub>	42.7	-6.0	-45.0	45.4	262
B00R_100_100 <sub>d</sub>	25.3	23.5	-47.3	52.8	296
B25R_100_100 <sub>d</sub>	37.8	53.8	-26.3	59.9	333
B50R_100_100 <sub>d</sub>	48.2	72.8	-8.5	73.3	353
B75R_100_100 <sub>d</sub>	47.7	67.7	14.0	69.1	11



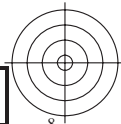
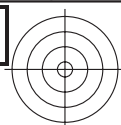
see similar files: http://130.149.60.45/~farbmetrik/RE34/RE34.HTM  
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

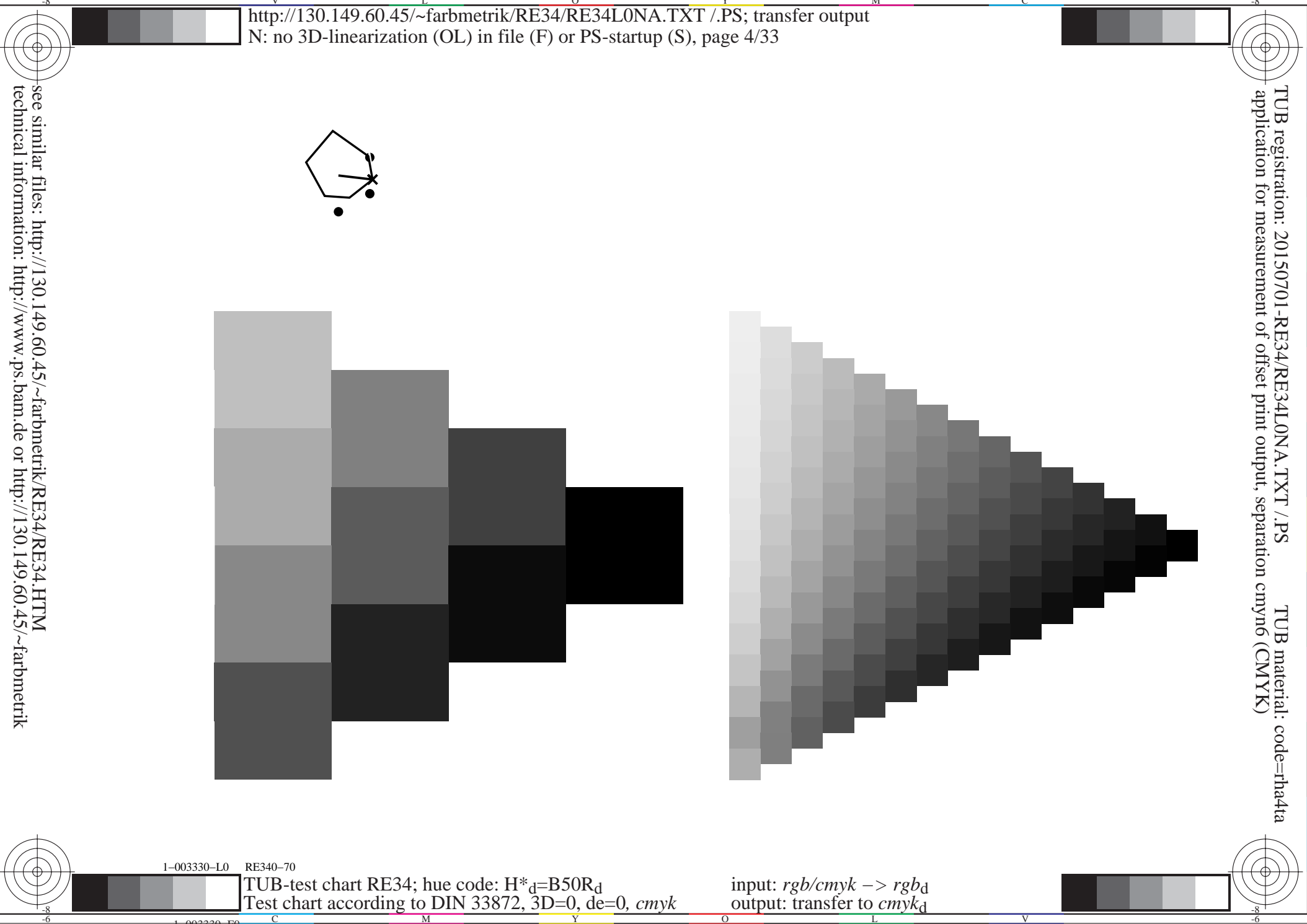
TUB registration: 20150701-RE34/RE34LONA.TXT /PS  
application for measurement of offset print output, separation cmykn6 (CMYK)  
TUB material: code=rh4ta



TUB registration: 20150701-RE34/RE34L0NA.TXT /.PS TUB material: code=rh4ta  
application for measurement of offset print output, separation cmykn6 (CMYK)

see similar files: <http://130.149.60.45/~farbmetrik/RE34/RE34.HTM>  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>



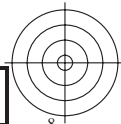
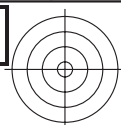
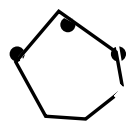


1-003330-L0 RE340-70

TUB-test chart RE34; hue code:  $H^*_d=B50R_d$   
Test chart according to DIN 33872, 3D=0, de=0, cmyk

input: *rgb/cmyk* -> *rgb<sub>d</sub>*  
output: transfer to *cmyk<sub>d</sub>*

1-003330-F0

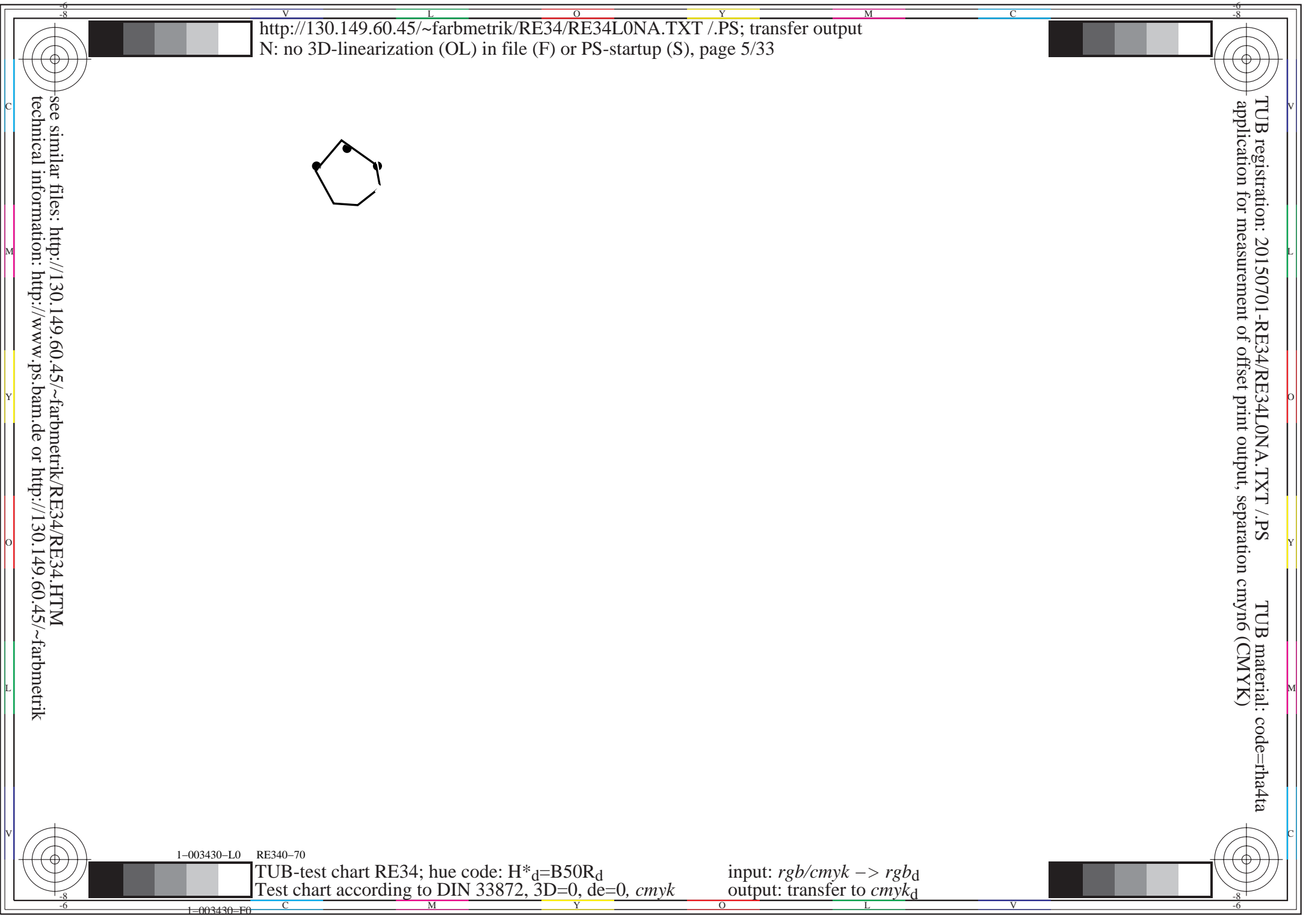


1-003430-L0 RE340-70

TUB-test chart RE34; hue code:  $H^*_d=B50R_d$   
Test chart according to DIN 33872, 3D=0, de=0, cmyk

input:  $rgb/cmyk \rightarrow rgb_d$   
output: transfer to  $cmyk_d$

1-003430-F0



Input and Output: Offset Reflective System ORS18a for relative CIELAB hue  $h_{ab,a,rel} = h_{ab}/360 = 353/360 = 0.98$

$H^*_d = B50R_d$

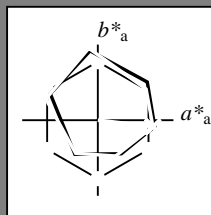
Data for any device (d) or elementary (e) colour:

$HIC^*_d$

hue text for the colours of this page:

$H^*_d = B50R_d$

triangle lightness  $T^*$



ORS20a; adapted (a) CIELAB data					
name	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
$R_{d, Ma}$	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

Data for maximum colour ( $M_a$ ):

$LabCh^*_{d, Ma}$ : 48 72 -8 73 353

$HIC^*_{d, Ma}$ : B50R\_100\_100d

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

1.0 0.0 1.0 1.0 1.0

triangle lightness  $T^*$

%Gamut

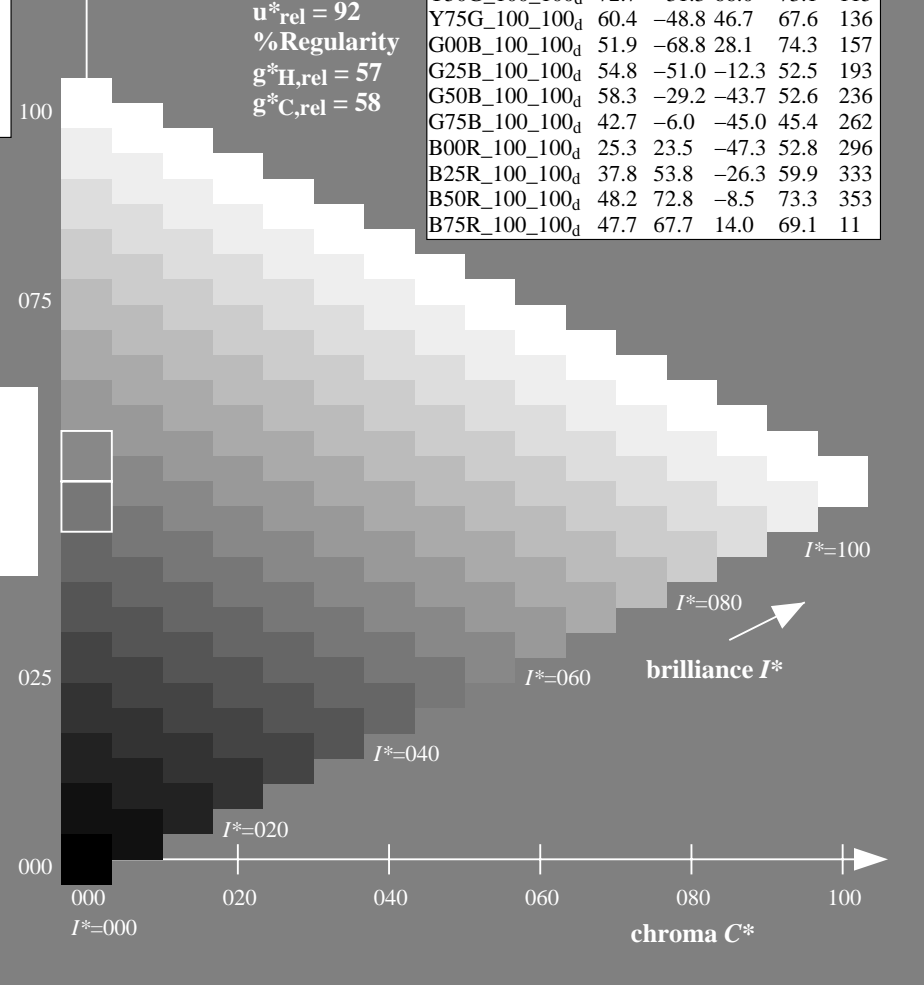
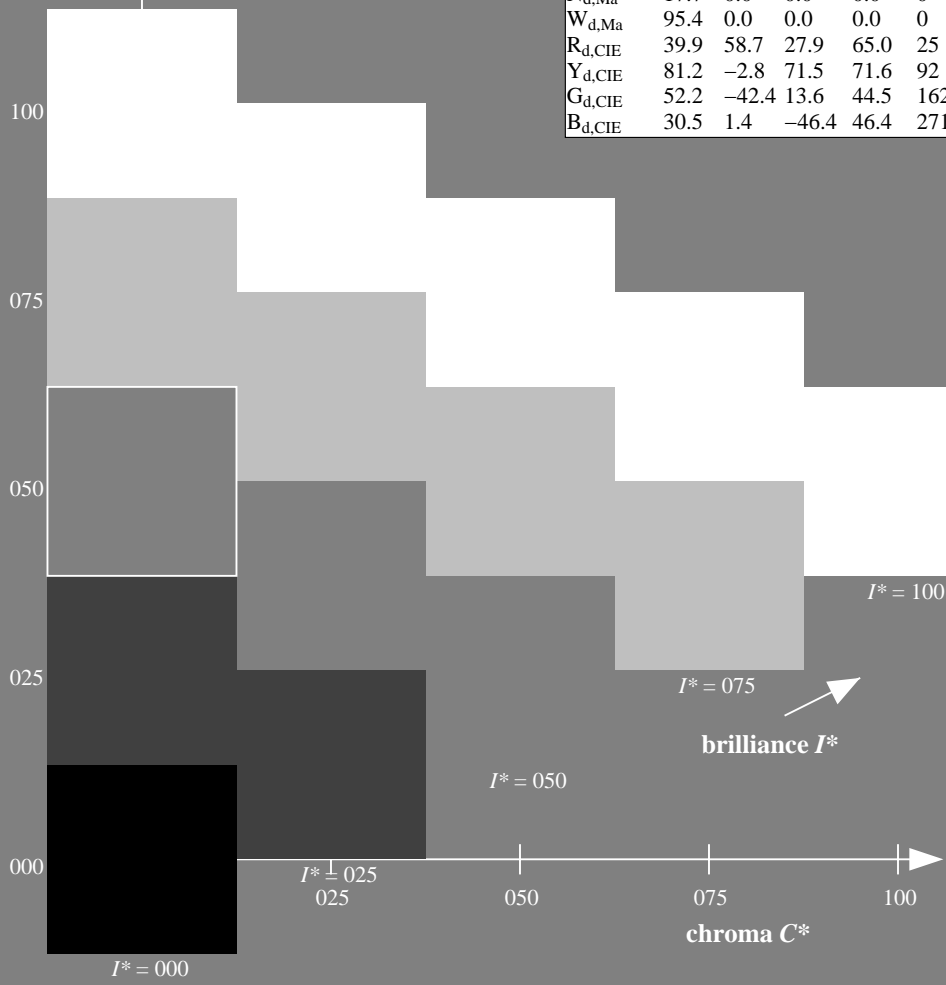
$u^*_{rel} = 92$

%Regularity

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

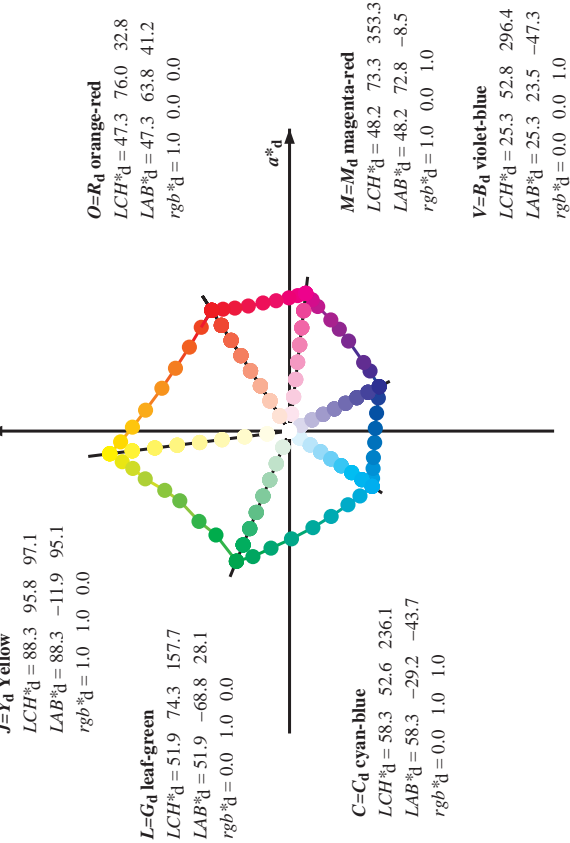
$g^*_{C, rel} = 58$

ORS20a; adapted (a) CIELAB data					
$H^*_d$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
$R00Y_{100_100d}$	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

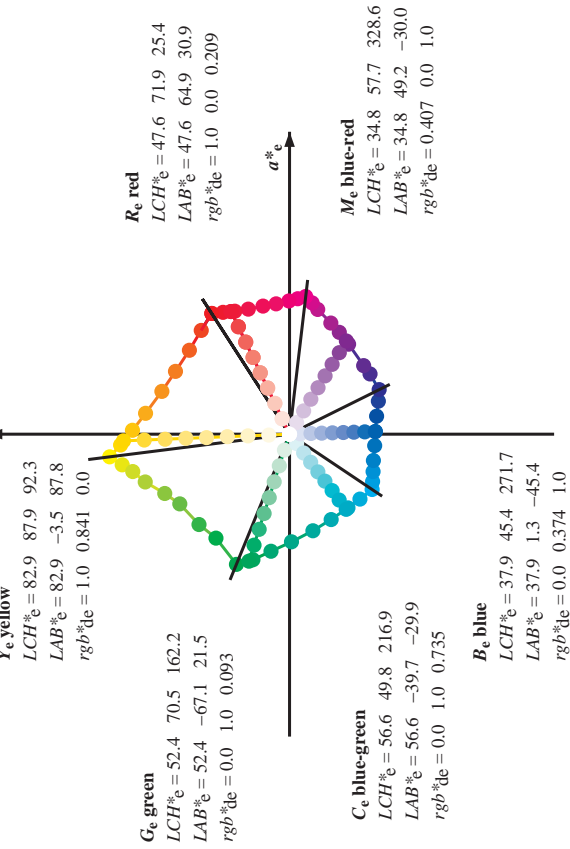


Data of Maximum color, M in colorimetric system Offset standard print; separation cmyk6\* D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM<sub>d</sub>;  $h_{ab,d} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ; Six hue angles of the device colours RYGBM<sub>d</sub>;  $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$ ; Six hue angles of the elementary colours RYGBM<sub>e</sub>;  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

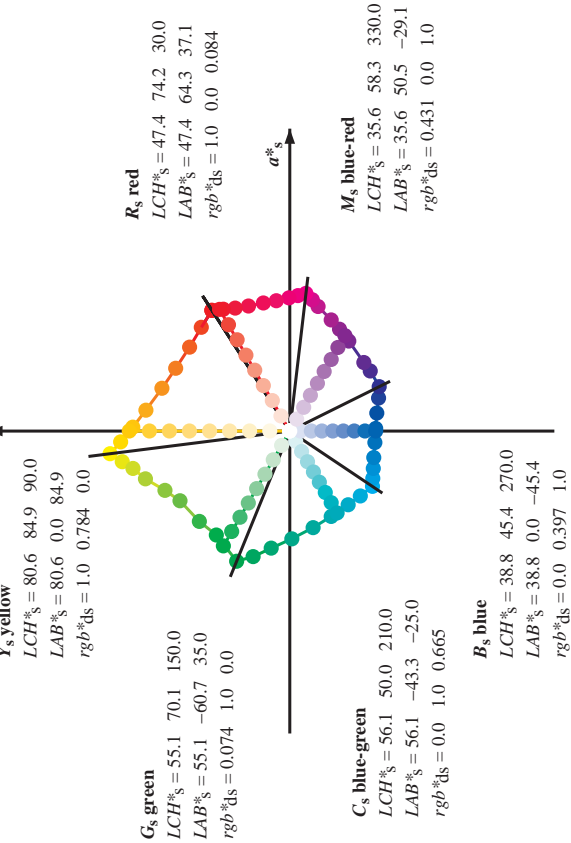
$J=Y_d$  Yellow  
 $b^*_d$  device CIELAB ( $a^*_d, b^*_d$ ) chroma diagram



$b^*_e$  elementary CIELAB ( $a^*_e, b^*_e$ ) chroma diagram



$b^*_s$  standard CIELAB ( $a^*_s, b^*_s$ ) chroma diagram



Notes to the CIELAB chroma diagrams ( $a^*_d, b^*_d$ ), ( $a^*_s, b^*_s$ ), ( $a^*_e, b^*_e$ )

- For the  $rgb^*_s$ -input values the CIELAB data  $LCH^*_s$  and  $LAB^*_s$  have been calculated.
- For the calculation of the standard hue angle  $h_{ab,s}$  use for any device values  $rgb^*_s$  the equation:  

$$h_{ab,s} = \arctan \left[ r^*_s \cos(30) + g^*_s \cos(150) \right] / \left[ r^*_s \sin(30) + g^*_s \sin(150) \right] + b^*_s \sin(270) \quad (1)$$
- For the 48 or 360 equally spaced standard hue angles  $h_{ab,i}$  of the colours of maximum chroma use the seven hue angles of the 60 degree colours  $s$ :  $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0, 390.0$  ( $i=0,6$ ) and the equations for a 48 and 360 step hue circle:  

$$h_{48ab,ij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 8 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (2)$$

$$h_{360ab,ij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (3)$$
- For the 48 or 360 elementary hue angles  $h_{ab,i}$  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:  

$$h_{48ab,ej} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 8 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (4)$$

$$h_{360ab,ej} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (5)$$
- For any elementary hue angle  $h_{ab,i}$  there is a well defined device hue angle  $h_{ab,d}$  see the following tables, columns 1 to 4.
- The values  $rgb^*_s$  produce the output of the device-independent elementary hues





Data of Maximum color, M in colorimetric system Offset standard print; separation cmyk6\* D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM; h\_ab,ab = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the device colours RYGBM; h\_ab,d = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3; Six hue angles of the elementary colours RYGBM; h\_ab,e = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

Table with columns: h\_ab,d, h\_ab,s, h\_ab,e, rgb\* dd64M, LAB\* ddx64M (x=LabCh), LAB\* dex36IM, LAB\* dex36IM, rgb\* dd64M, LAB\* dex36IM, LAB\* dex36IM, rgb\* dd64M, LAB\* dex36IM, LAB\* dex36IM. The table contains 388 rows of color data with various numerical values and color swatches.

I-003830-L0 RE340-70 LAB\*lab0, YN=0%, XY,Znw=2.4, 2.5, 2.6, 85.1, 88.8, 104.3, LAB\*rw=17.7, 0.0, 0.0, 95.5, 0.0, 0.0 Output: Offset standard print; separation cmyk6\* D65, page 9/35

TUB-test chart RE34; hue code: H\*\_d=B50Rd 48 step hue circles; rgb-LabCh\*tables input: rgb/cmyk -> rgbd output: transfer to cmykd

http://130.149.60.45/~farbmetrik/RE34/RE34L0NA.TXT /PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 10/33

Data of Maximum color, M in colorimetric system Offset standard print; separation cmyk6\*: D65 for input or output; Six hue angles of the 60 degree standard colours RYCCBM; h\_ab,ds = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the device colours RYCCBM; h\_ab,d = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3; Six hue angles of the elementary colours RYCCBM; h\_ab,e = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

Table with columns for device colors (h\_ab,d, h\_ab,s, h\_ab,e), separation colors (R\_d, R\_g, R\_b, R\_c, R\_m, R\_y, R\_o), and LabCh color spaces (LAB\*\_dss361MI, LAB\*\_dcs361MI, LAB\*\_dex361MI, LAB\*\_des361MI, LAB\*\_dds361MI, LAB\*\_dcs361MI, LAB\*\_dex361MI, LAB\*\_des361MI, LAB\*\_dds361MI, LAB\*\_dcs361MI, LAB\*\_dex361MI, LAB\*\_des361MI, LAB\*\_dds361MI).

LAB\*lab0, YN=0%, XYZnw=2.4, 2.5, 2.6, 85.1, 88.8, 104.3, LAB\*rw=17.7, 0.0, 0.0, 95.5, 0.0, 0.0

input: rgb/cmyk -> rgbd output: transfer to cmykd

Output: Offset standard print; separation cmyk6\*: D65, page 10/33



Table with 18 columns: h\_ab,d, h\_ab,s, h\_ab,e, h\_ab,rgb, h\_ab,rgb, h\_ab,rgb, h\_ab,rgb, h\_ab,rgb, h\_ab,rgb, h\_ab,rgb, h\_ab,rgb, h\_ab,rgb, h\_ab,rgb, h\_ab,rgb, h\_ab,rgb, h\_ab,rgb. Rows 115-170. Includes header information and data for 56 color patches.

input: rgb/cmyk -> rgbd output: transfer to cmykd

LAB\*tab, YN=0%, XYZnw=2,4,2,5,2,6,85,1,88,8,104,3, LAB\*rw=17,7,0,0,95,5,0,0,0

H\*d=B50Rd 48 step hue circles; rgb-LabCh\*tables

Output: Offset standard print; separation cmyk6\*; D65, page 12/36

Data of Maximum color, M in colorimetric system Offset standard print; separation cmyk6\*: D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM; h\_ab,ds = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;

Six hue angles of the device colours RYGBM; h\_ab,d = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3; Six hue angles of the elementary colours RYGBM; h\_ab,e = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

Table with 24 columns: h\_ab,d, h\_ab,s, h\_ab,e, rg b\*, dg b\*, dg b\*\_d, ds 361M, ds 361MI, ds 361MI (x=LabCh)

Registration marks and technical notes: I-0031230-L0 RE340-70 LAB\*at0, YN=0%, XY Znw=2.4, 2.5, 2.6, 85.1, 88.8, 104.3, LAB\*rw=17.7, 0.0, 0.0, 95.5, 0.0, 0.0 Output: Offset standard print; separation cmyk6\*: D65, page 13/36

Registration marks and technical notes: I-0031230-L0 RE340-70 LAB\*at0, YN=0%, XY Znw=2.4, 2.5, 2.6, 85.1, 88.8, 104.3, LAB\*rw=17.7, 0.0, 0.0, 95.5, 0.0, 0.0 Input: rgb/cmyk -> rgbd output: transfer to cmykd









Data of Maximum color, M in colorimetric system Offset standard print; separation cmyk6\*: D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM; h\_ab,ds = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the device colours RYGBM; h\_ab,d = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3; Six hue angles of the elementary colours RYGBM; h\_ab,e = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

Table with 10 columns: h\_ab,d, h\_ab,s, h\_ab,e, rgb\*\_dd361M, LAB\*\_dcs361MI (x=LabCh), rgb\*\_ds361MI, LAB\*\_dss361MI (x=LabCh), rgb\*\_ds361MI, LAB\*\_dcs361MI (x=LabCh), rgb\*\_dd361MI, LAB\*\_dex361MI (x=LabCh), rgb\*\_ds361MI, LAB\*\_dss361MI (x=LabCh), rgb\*\_dd361MI, LAB\*\_dex361MI (x=LabCh). Rows 360-392.

input: rgb/cmyk -> rgbd output: transfer to cmykd

TUB-test chart RE34; hue code: H\*\_d=B50Rd 48 step hue circles; rgb-LabCh\*tables

Output: Offset standard print; separation cmyk6\*: D65, page 17/36

TUB registration: 20150701-RE34/RE34L0NA.TXT /.PS application for measurement of offset print output, separation cmyk6 (CMYK)

TUB material: code=rha4ta

http://130.149.60.45/~farbmetrik/RE34/RE34L0NA.TXT /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 18/33

Table with columns: nrf, HFC\*Fd, rgb\*Fd, iet\*Fd, hsa\*Fd, LabCH\*Fd, LabCH\*Fd, LabCH\*Fd, DFE\*Fd, hsa\*Fd, rgb\*Fd, LabCH\*Fd, LabCH\*Fd, LabCH\*Fd. The table contains a dense grid of numerical data for various color patches.

Mean color difference of this page: delta E\*\* = 2.6

TUB-test chart RE34; hue code: H\*d=B50Rd colors and differences, AE\*\*

input: rgb/cmyk -> rgbd output: transfer to cmykd

RE340-TN; Page 18/33-F

1-0031730-F0

1-0031730-F0

M

Y

O

L

V

C

see similar files: http://130.149.60.45/~farbmetrik/RE34/RE34.HTM technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik



http://130.149.60.45/~farbmetrik/RE34/RE34L0NA.TXT /PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 20/33

Table with 80 columns (numbered 1-80) and 10 rows of color data. Columns include HVC\*Fid, rgb\*Fid, icr\*Fid, hsa\*Fid, LabC\*Fid, rgb\*Fid, LabC\*Fid, DF\*Fid, hsa\*Fid, rgb\*Fid, LabC\*Fid, and LabC\*Fid. Each cell contains numerical values representing color differences.

Mean color difference of this page: delta E\* = 3.7

input: rgb/cmyk -> rgbd output: transfer to cmykd

RE340-TN, Page 20/33-F

TUB-test chart RE34; hue code: H\*d=B50Rd colors and differences, ΔE\*

I-0031930-F0

http://130.149.60.45/~farbmetrik/RE34/RE34L0NA.TXT /PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 21/33

Table with 16 columns: n, HHC\*Fd, rgb\*Fd, icr\*Fd, hsa\*Fd, rgb\*Fd, LabCH\*Fd, LabCH\*Fd, LabCH\*Fd, LabCH\*Fd, LabCH\*Fd, LabCH\*Fd, LabCH\*Fd, LabCH\*Fd, LabCH\*Fd, LabCH\*Fd. Rows 81-161.

Mean color difference of this page: delta E\* = 4.9

input: rgb/cmyk -> rgbd output: transfer to cmykd

TUB-test chart RE34; hue code: H\*d=B50Rd colors and differences, AE\*

Table with 15 columns: n, HHC\*Fd, Rgb\*Fd, Ict\*Fd, Hsb\*Fd, Rgb\*Fd, LabCh\*Fd, LabCh\*Fd, Rgb\*Fd, Df\*Fd, Hsb\*Fd, Rgb\*Fd, LabCh\*Fd, LabCh\*Fd, Rgb\*Fd. It contains a large grid of numerical data for various color patches.

Mean color difference of this page:

delta E\* = 4.8

input: rgb/cmyk -> rgbd output: transfer to cmykd

TUB-test chart RE34; hue code: H\*d=B50Rd colors and differences, AE\*

http://130.149.60.45/~farbmatrik/RE34/RE34LONA.TXT /PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 23/33

Color calibration table with columns for color names (e.g., R001, R002, G001, G002, B001, B002, Y001, Y002, M001, M002, C001, C002, W001, W002) and rows of numerical values representing colorimetric data.

RE34-TN; Page 23/33-F

I=003220-F0

TUB-test chart RE34; hue code: H\*d=B50Rd colors and differences, ΔE\*

input: rgb/cmyk -> rgbd output: transfer to cmykd

Mean color difference of this page: delta E\* = 6.5

http://130.149.60.45/~farbmetrik/RE34/RE34LONA.TXT /PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 24/33

Table with 15 columns: n, HHC\*Fd, rpb\*Fd, icr\*Fd, hsa\*Fd, rpb\*Fd, LabC\*Fd, LabCH\*Fd, DF\*Fd, Hsa\*Fd, rpb\*Fd, LabCH\*Fd, LabCH\*Fd, LabCH\*Fd, LabCH\*Fd. Rows 324-404.

Mean color difference of this page: delta E\* = 5.3

TUB-test chart RE34; hue code: H\*d=B50Rd colors and differences, AE\* input: rgb/cmyk -> rgbd output: transfer to cmykd



http://130.149.60.45/~farbmetrik/RE34/RE34L0NA.TXT /PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 25/33

Table with 10 columns: n, HHC\*Fd, Rgb\*Fd, Ict\*Fd, Hsb\*Fd, Rgb\*Fd, LabCh\*Fd, Df\*Fd, Hsb\*Fd, LabCh\*Fd. Rows 405-485. Includes delta E\* = 4.9 at the bottom right of the table area.

Mean color difference of this page:

TUB-test chart RE34; hue code: H\*d=B50Rd colors and differences, ΔE\*

input: rgb/cmyk -> rgbd output: transfer to cmykd

http://130.149.60.45/~farbmetrik/RE34/RE34L0NA.TXT /PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 26/33

Table with 15 columns: n, HHC\*Fd, rpb\*Fd, icr\*Fd, hsa\*Fd, rpb\*Fd, LabCH\*Fd, LabCH\*Fd, rpb\*Fd, rpb\*Fd, LabCH\*Fd, DF\*Fd, hsa\*Fd, rpb\*Fd, LabCH\*Fd. Rows contain numerical data for various color patches.

Mean color difference of this page: delta E\* = 4.6

TUB-test chart RE34; hue code: H\*d=B50Rd colors and differences, AE\* input: rgb/cmyk -> rgbd output: transfer to cmykd

http://130.149.60.45/~farbmatrik/RE34/RE34L0NA.TXT /PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 27/33

Table with columns: n, HHC\*Fd, Rgb\*Fd, Lab\*Fd, Hs\*Fd, Rgb\*Fd, Lab\*Cb\*Fd, Lab\*Cb\*Fd, Rgb\*Fd, Lab\*Cb\*Fd, Df\*Fd, Hs\*Fd, Rgb\*Fd, Lab\*Cb\*Fd, Lab\*Cb\*Fd, Rgb\*Fd, Lab\*Cb\*Fd, Lab\*Cb\*Fd, Rgb\*Fd, Lab\*Cb\*Fd, Lab\*Cb\*Fd, Rgb\*Fd, Lab\*Cb\*Fd. Rows list various color patches and their corresponding numerical values.

TUB-test chart RE34; hue code: H\*d=B50Rd colors and differences, ΔE\* input: rgb/cmyk -> rgbd output: transfer to cmykd Mean color difference of this page: delta E\* = 4.8

http://130.149.60.45/~farbmetrik/RE34/RE34LONA.TXT /PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 28/33

Table with 10 columns: n, HHC\*Fd, Rgb\*Fd, L\*a\*Fd, L\*b\*Fd, LabCh\*Fd, Hs\*Fd, Hs\*Fa, Rgb\*Fa, LabCh\*Fa, DFE\*Fa, Hs\*Fa, Hs\*Fd, Rgb\*Fd, LabCh\*Fd, DFE\*Fd, Hs\*Fd, Hs\*Fa, Rgb\*Fa, LabCh\*Fa. It contains color calibration data for various ink patches.

Mean color difference of this page: delta E\*\* = 3.9

input: rgb/cmyk -> rgbd output: transfer to cmykd

TUB-test chart RE34; hue code: H\*d=B50Rd colors and differences, AE\*\*

http://130.149.60.45/~farbmetrik/RE34/RE34L0NA.TXT /PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 29/33

Large table with columns for color names (e.g., NV\_100a, G50B\_100.0124), and data for RGB, CMYK, Lab, and other color models. The table contains 1000 rows and 28 columns of data.

input: rgb/cmyk -> rgbd output: transfer to cmykd

TUB-test chart RE34; hue code: H\*\_d=B50Rd colors and differences, AE\*'

Mean color difference of this page: delta E\* = 5.8

see similar files: http://130.149.60.45/~farbmetrik/RE34/RE34.HTM technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

See similar files: http://130.149.60.45/~farbmetrik/RE34/RE34.HTM technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

http://130.149.60.45/~farbmetrik/RE34/RE34L0NA.TXT /PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 30/33

Table with 14 columns: n, HHC\*Fd, rpb\*Fd, icr\*Fd, hsa\*Fd, rpb\*Fd, LabC\*Fd, LabC\*Pd, rpb\*Pd, LabC\*Pd, DF\*Pd, hsa\*Pd, rpb\*Pd, LabC\*Pd. Rows include color names like NV, BOOR, YOCG, etc.

Mean color difference of this page: delta E\*90 = 5.5

TUB-test chart RE34; hue code: H\*\_d=B50Rd colors and differences, AE\* input: rgb/cmyk -> rgbd output: transfer to cmykd

http://130.149.60.45/~farbmetrik/RE34/RE34L0NA.TXT /PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 31/33

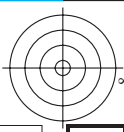
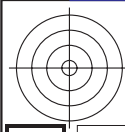
input: rgb/cmyk -> rgbd output: transfer to cmykd

Table with columns: n, HHC\*Fd, rpb\*Fd, iet\*Fd, hsb\*Fd, LabCH\*Fd, rpb\*Fd, LabCH\*Pd, DF\*Pd, hsb\*Pd, rpb\*Pd, LabCH\*Pd, LabCH\*Yd. Rows include color names like NV\_100a, B50R\_0025a, etc.

Mean color difference of this page: delta E\* = 6.4







http://130.149.60.45/~farbmetrik/RE34/RE34L0NA.TXT /.PS; transfer output  
 N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 33/33

n	HC*Fd	rgb*Fd	icr*Fd	rgb*Fd	LabCH*Fd	hsa*Fd	rgb*Fd	LabCH*Fd	rgb*Fd	DF*Fd	hsa*Fd	rgb*Fd	LabCH*Fd	rgb*Fd	LabCH*Fd
1053	NW_086d	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.1	204.5	1.0	89.4	1.0	95.4
1054	NW_093d	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.0	177.8	1.0	92.2	1.0	95.4
1055	NW_100d	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	61.5	1.0	95.4	1.0	95.4
1056	NW_006d	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.1	96.3	1.0	95.4	1.0	95.4
1057	NW_013d	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.0	151.6	1.0	95.4	1.0	95.4
1058	NW_020d	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	242.3	1.0	95.4	1.0	95.4
1059	NW_026d	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.0	243.3	1.0	95.4	1.0	95.4
1060	NW_033d	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.0	240.2	1.0	95.4	1.0	95.4
1061	NW_040d	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	234.3	1.0	95.4	1.0	95.4
1062	NW_046d	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.0	234.5	1.0	95.4	1.0	95.4
1063	NW_053d	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.0	234.5	1.0	95.4	1.0	95.4
1064	NW_060d	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	231.6	1.0	95.4	1.0	95.4
1065	NW_066d	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.0	235.5	1.0	95.4	1.0	95.4
1066	NW_073d	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.0	225.3	1.0	95.4	1.0	95.4
1067	NW_080d	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0	221.2	1.0	95.4	1.0	95.4
1068	NW_086d	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.0	125.8	1.0	95.4	1.0	95.4
1069	NW_093d	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.0	92.4	1.0	95.4	1.0	95.4
1070	NW_100d	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	78.4	1.0	95.4	1.0	95.4
1071	NW_006d	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.0	237.9	1.0	95.4	1.0	95.4
1072	NW_013d	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.0	75.2	1.0	95.4	1.0	95.4
1073	NW_020d	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	31.4	1.0	95.4	1.0	95.4
1074	ROXY_100_100d	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	38.3	1.0	95.4	1.0	95.4
1075	GS0B_100_100d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	237.9	1.0	95.4	1.0	95.4
1076	Y06C_100_100d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	96.5	1.0	95.4	1.0	95.4
1077	B06M_100_100d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	249.0	1.0	95.4	1.0	95.4
1078	B08L_100_100d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.8	1.0	95.4	1.0	95.4
1079	B50R_100_100d	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	45.9	1.0	95.4	1.0	95.4

Mean color difference of this page:  $\Delta E^* = 4.2$

input: rgb/cmyk -> rgbd  
 output: transfer to cmykd

