

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue  $h_{ab,a,rel} = h_{ab}/360 = 68/360 = 0.19$

$H^*_- = R50Y_-$

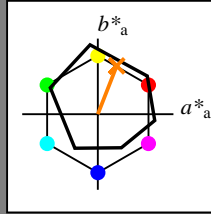
Data for any device (d) or elementary (e) colour:

$HIC^*_-$

hue text for the colours of this page:

$H^*_- = R50Y_-$

triangle lightness  $T^*$



**ORS18a; adapted (a) CIELAB data**

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

Data for maximum colour (Ma):

$LabCh^*_{-,Ma}$ : 68 25 63 68 68

$HIC^*_{-,Ma}$ : R50Y\_100\_100\_

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

1.0 0.5 0.0 1.0 1.0

triangle lightness  $T^*$

%Gamut

$u^*_{rel} = 92$

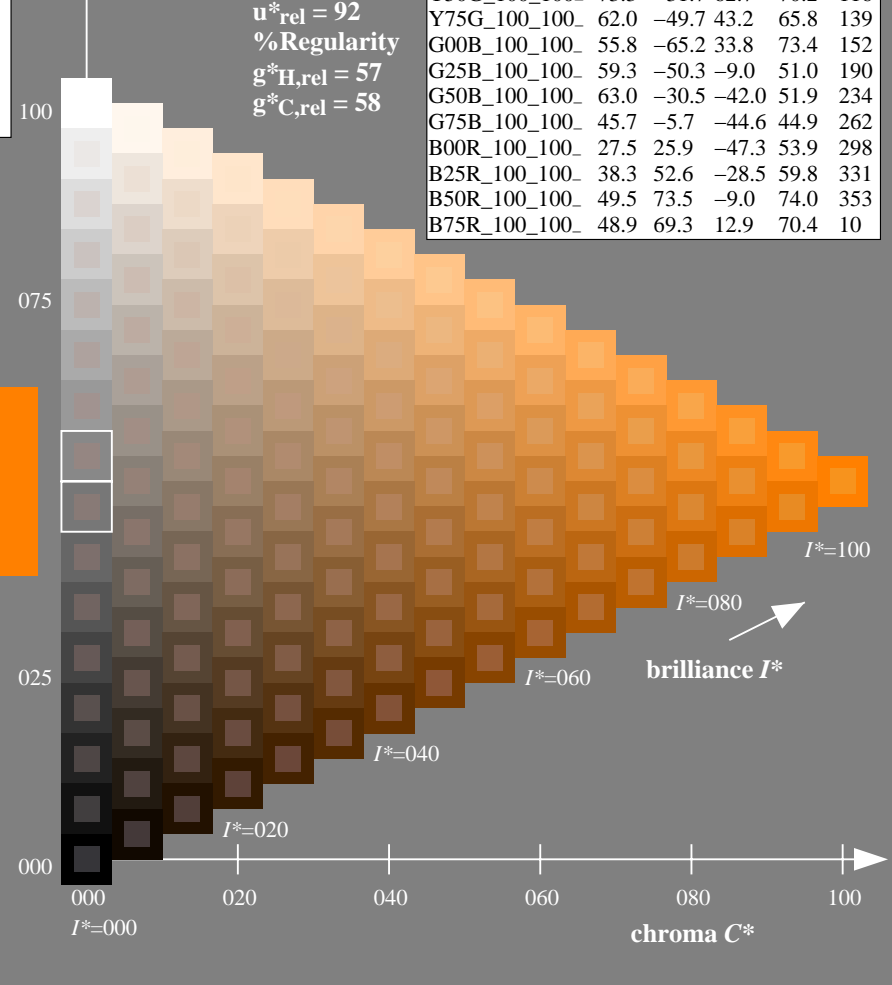
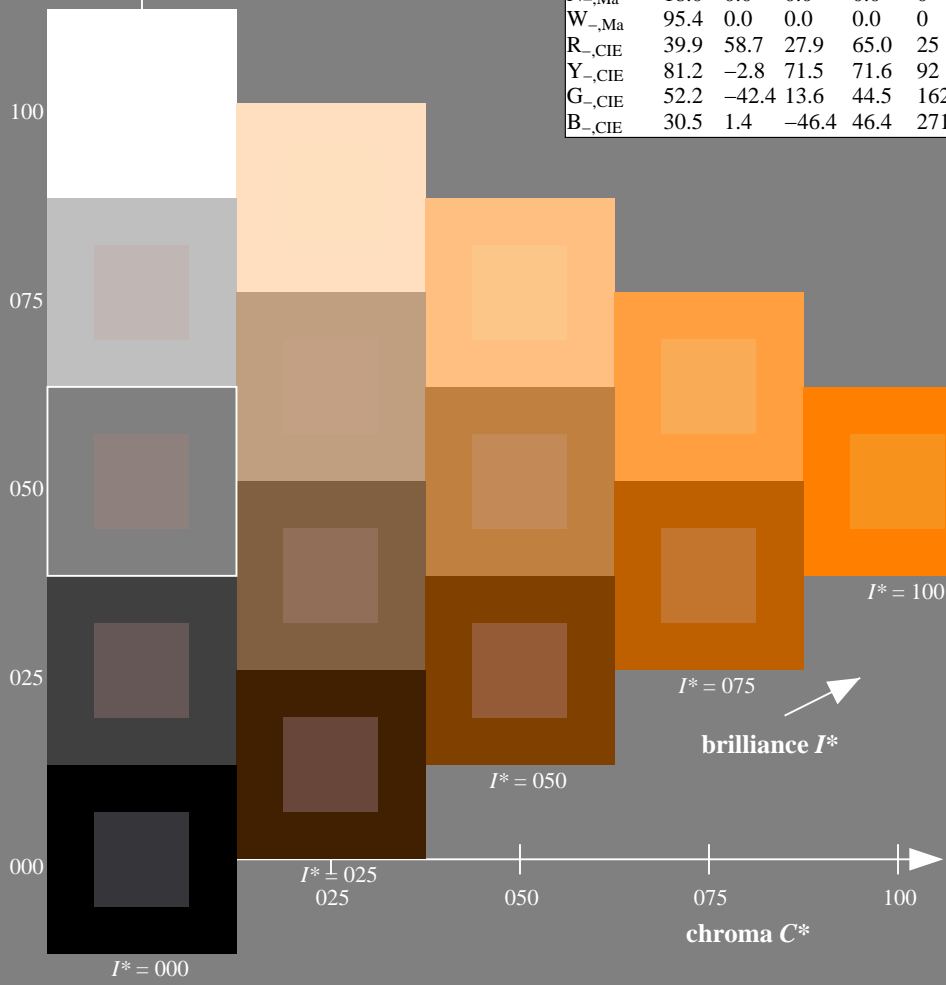
%Regularity

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

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

**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



see similar files: <http://130.149.60.45/~farbmetrik/QE17/QE17.HTM>  
 technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-QE17/QE17L0NA.TXT /PS  
 application for measurement of offset print output

TUB material: code=rh4ta

1-003031-L0 QE170-7N

TUB-test chart QE17; hue code:  $H^*_- = R50Y_-$

Test chart according to DIN 33872, 3D=0, de=0,  $cm_y0$

input:  $rgb/cmyk \rightarrow rgb/cmyk$

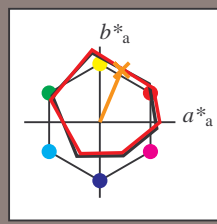
output: no change

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue  $h_{ab,a,rel} = h_{ab}/360 = 67/360 = 0.18$

$H^*_d = R50Y_d$

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

$HIC^*_d$   
hue text for the colours of this page:  
 $H^*_d = R50Y_d$   
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>	45.4	70.9	44.8	83.9	32
Y <sub>d, Ma</sub>	87.8	-10.2	95.4	96.0	96
G <sub>d, Ma</sub>	50.0	-65.0	29.6	71.4	155
C <sub>d, Ma</sub>	56.8	-25.5	-41.5	48.7	238
B <sub>d, Ma</sub>	25.0	29.5	-40.4	50.0	306
M <sub>d, Ma</sub>	46.1	79.3	-0.2	79.3	359
N <sub>d, Ma</sub>	24.3	0.0	0.0	0.0	0
W <sub>d, Ma</sub>	95.6	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):

$LabCh^*_{d, Ma}$ : 64 28 68 74 67

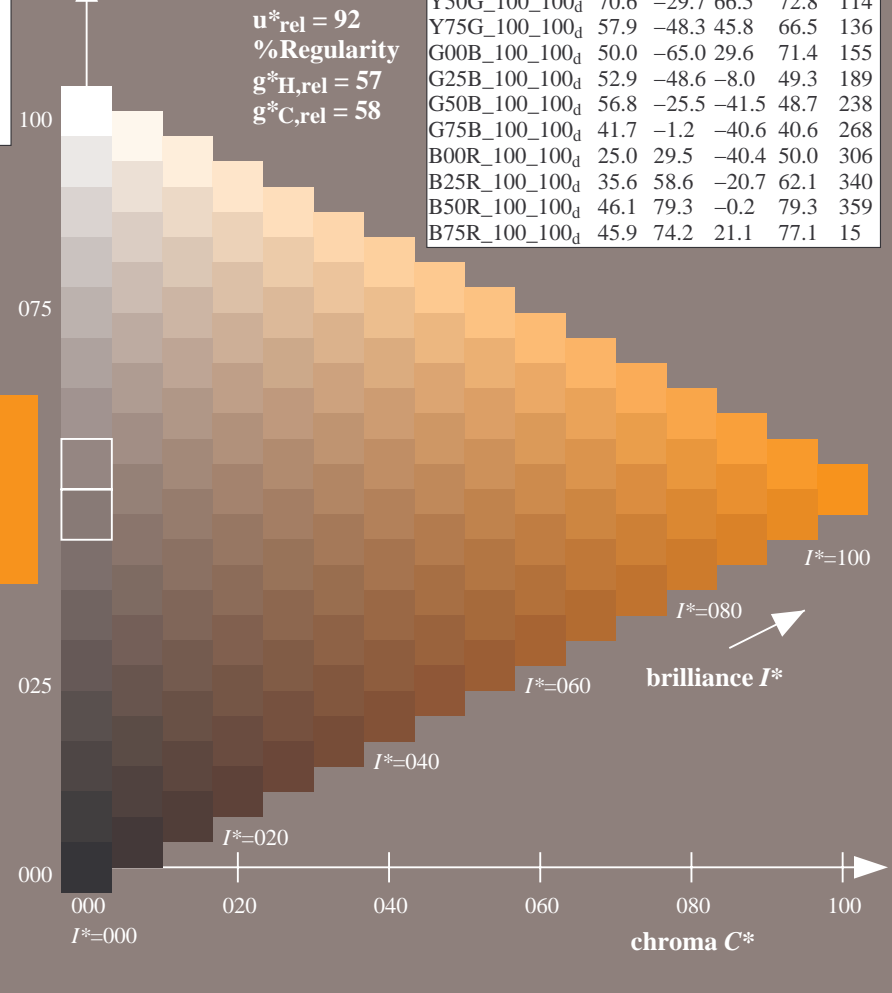
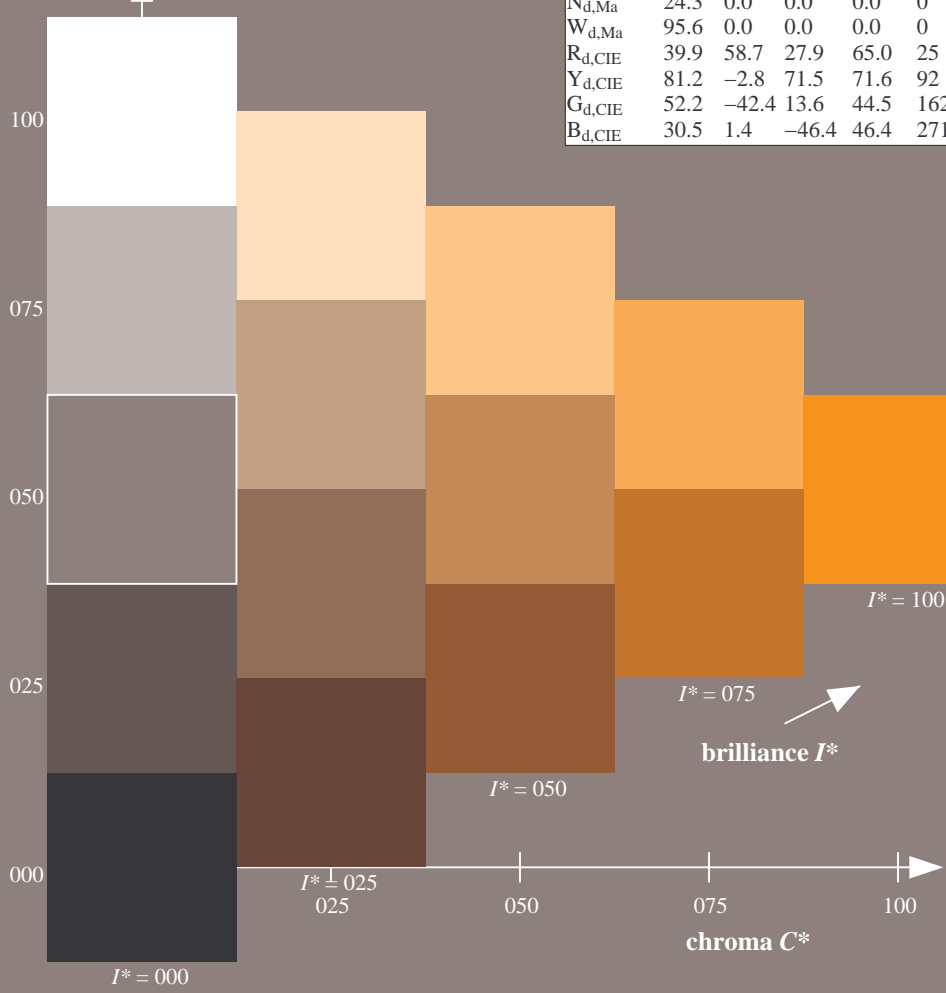
$HIC^*_{d, Ma}$ : R50Y\_100\_100<sub>d</sub>

$rgbic^*_{d, Ma}$ :  
1.0 0.5 0.0 1.0 1.0

triangle lightness  $T^*$

ORS20a; adapted (a) CIELAB data

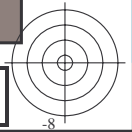
$H^*_d$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100 <sub>d</sub>	45.4	70.9	44.8	83.9	32
R25Y_100_100 <sub>d</sub>	53.0	53.4	54.8	76.5	45
R50Y_100_100 <sub>d</sub>	64.9	28.9	68.6	74.5	67
R75Y_100_100 <sub>d</sub>	78.6	4.3	84.7	84.8	87
Y00G_100_100 <sub>d</sub>	87.8	-10.2	95.4	96.0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



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

see similar files: http://130.149.60.45/~farbmetrik/QE17/QE17.HTM  
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE17/QE17L0NA.TXT /PS  
application for measurement of offset print output, separation cmy0 (CMY0)  
TUB material: code=rh4ta

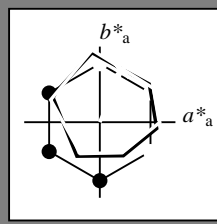


Input and Output: Offset Reflective System ORS18a for relative CIELAB hue  $h_{ab,a,rel} = h_{ab}/360 = 67/360 = 0.18$

$H^*_d = R50Y_d$

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

$HIC^*_d$   
hue text for the colours of this page:  
 $H^*_d = R50Y_d$   
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>	45.4	70.9	44.8	83.9	32
Y <sub>d,Ma</sub>	87.8	-10.2	95.4	96.0	96
G <sub>d,Ma</sub>	50.0	-65.0	29.6	71.4	155
C <sub>d,Ma</sub>	56.8	-25.5	-41.5	48.7	238
B <sub>d,Ma</sub>	25.0	29.5	-40.4	50.0	306
M <sub>d,Ma</sub>	46.1	79.3	-0.2	79.3	359
N <sub>d,Ma</sub>	24.3	0.0	0.0	0.0	0
W <sub>d,Ma</sub>	95.6	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):

$LabCh^*_{d,Ma}$ : 64 28 68 74 67

$HIC^*_{d,Ma}$ : R50Y\_100\_100<sub>d</sub>

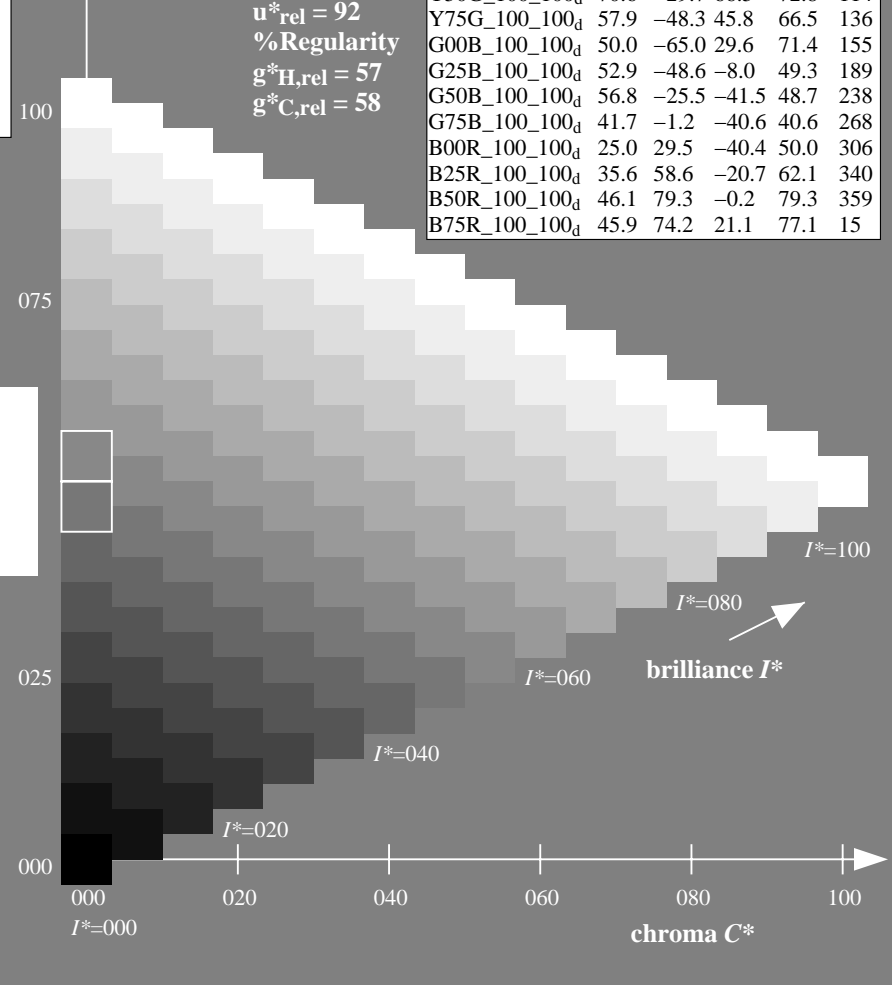
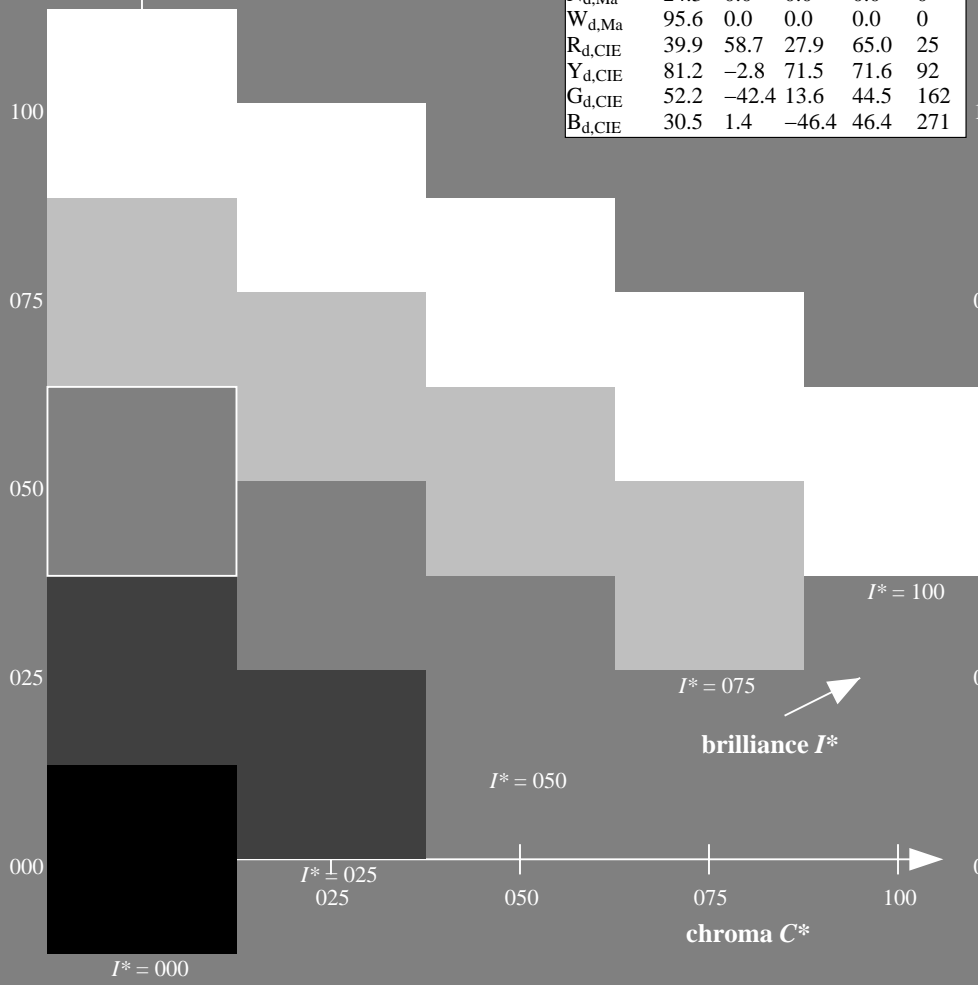
$rgbic^*_{d,Ma}$ : 1.0 0.5 0.0 1.0 1.0

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

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



see similar files: http://130.149.60.45/~farbmetrik/QE17/QE17.HTM  
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE17/QE17L0NA.TXT /PS  
application for measurement of offset print output, separation cmy0 (CMY0)  
TUB material: code=rh4ta

1-003231-L0 QE170-70

TUB-test chart QE17; hue code:  $H^*_d=R50Y_d$   
Test chart according to DIN 33872, 3D=0, de=0, cmy0

input:  $rgb/cmyk \rightarrow rgb_d$   
output: transfer to  $cmy0_d$

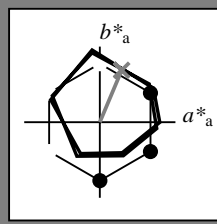
1-003231-F0

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue  $h_{ab,a,rel} = h_{ab}/360 = 67/360 = 0.18$

$H^*_d = R50Y_d$

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

$HIC^*_d$   
hue text for the colours of this page:  
 $H^*_d = R50Y_d$   
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>	45.4	70.9	44.8	83.9	32
Y <sub>d, Ma</sub>	87.8	-10.2	95.4	96.0	96
G <sub>d, Ma</sub>	50.0	-65.0	29.6	71.4	155
C <sub>d, Ma</sub>	56.8	-25.5	-41.5	48.7	238
B <sub>d, Ma</sub>	25.0	29.5	-40.4	50.0	306
M <sub>d, Ma</sub>	46.1	79.3	-0.2	79.3	359
N <sub>d, Ma</sub>	24.3	0.0	0.0	0.0	0
W <sub>d, Ma</sub>	95.6	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):

$LabCh^*_d, Ma: 64\ 28\ 68\ 74\ 67$

$HIC^*_d, Ma: R50Y\_100\_100_d$

$rgbic^*_d, Ma:$

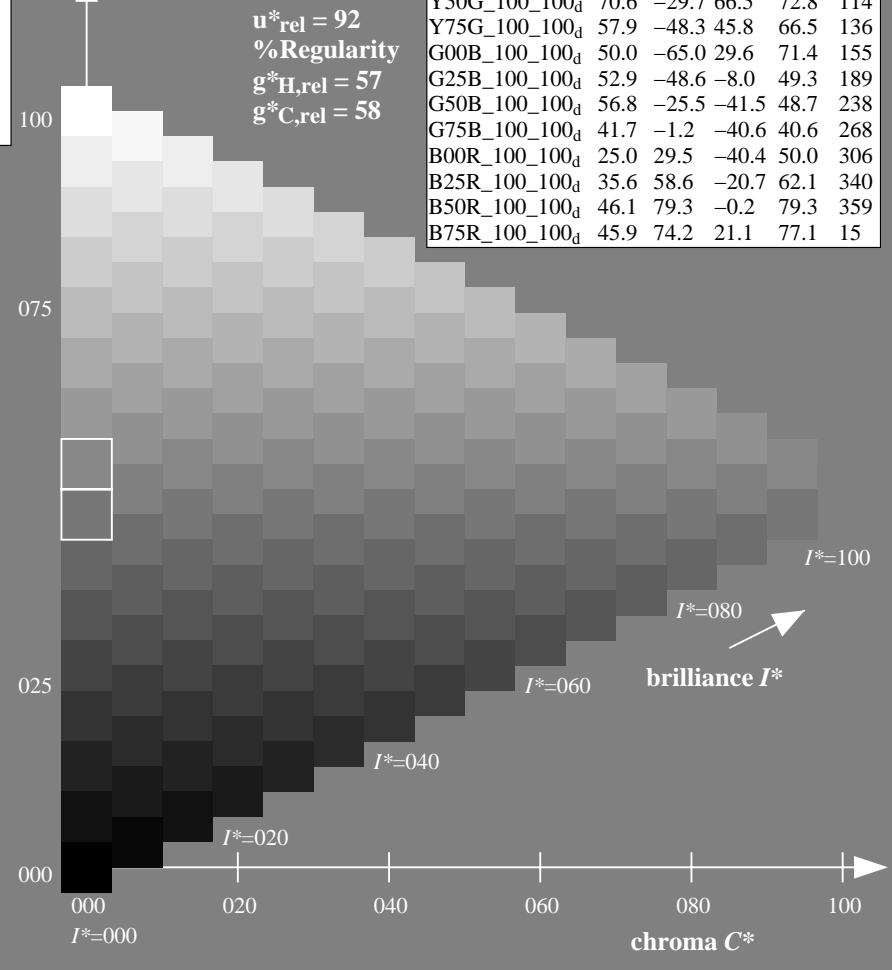
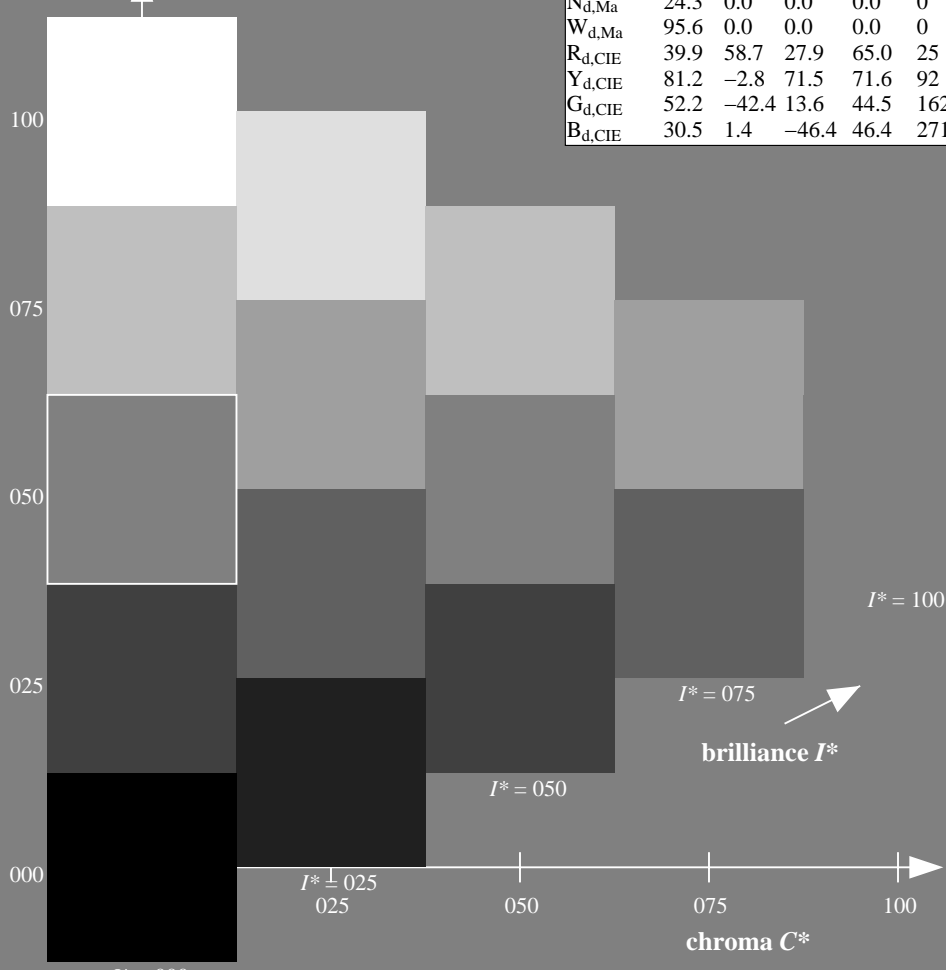
1.0 0.5 0.0 1.0 1.0

triangle lightness  $T^*$

**ORS20a; adapted (a) CIELAB data**

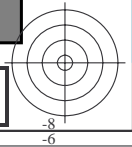
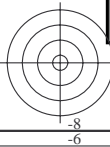
$H^*_d$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100 <sub>d</sub>	45.4	70.9	44.8	83.9	32
R25Y_100_100 <sub>d</sub>	53.0	53.4	54.8	76.5	45
R50Y_100_100 <sub>d</sub>	64.9	28.9	68.6	74.5	67
R75Y_100_100 <sub>d</sub>	78.6	4.3	84.7	84.8	87
Y00G_100_100 <sub>d</sub>	87.8	-10.2	95.4	96.0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

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



see similar files: http://130.149.60.45/~farbmetrik/QE17/QE17.HTM  
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE17/QE17L0NA.TXT /PS  
application for measurement of offset print output, separation cmy0 (CMY0)  
TUB material: code=rh4ta

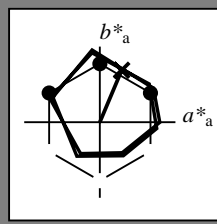


Input and Output: Offset Reflective System ORS18a for relative CIELAB hue  $h_{ab,a,rel} = h_{ab}/360 = 67/360 = 0.18$

$H^*_d = R50Y_d$

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

$HIC^*_d$   
hue text for the colours of this page:  
 $H^*_d = R50Y_d$   
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>	45.4	70.9	44.8	83.9
Y <sub>d, Ma</sub>	87.8	-10.2	95.4	96.0
G <sub>d, Ma</sub>	50.0	-65.0	29.6	71.4
C <sub>d, Ma</sub>	56.8	-25.5	-41.5	48.7
B <sub>d, Ma</sub>	25.0	29.5	-40.4	50.0
M <sub>d, Ma</sub>	46.1	79.3	-0.2	79.3
N <sub>d, Ma</sub>	24.3	0.0	0.0	0.0
W <sub>d, Ma</sub>	95.6	0.0	0.0	0.0
R <sub>d, CIE</sub>	39.9	58.7	27.9	65.0
Y <sub>d, CIE</sub>	81.2	-2.8	71.5	71.6
G <sub>d, CIE</sub>	52.2	-42.4	13.6	44.5
B <sub>d, CIE</sub>	30.5	1.4	-46.4	46.4

Data for maximum colour (Ma):

$LabCh^*_{d, Ma} : 64 \ 28 \ 68 \ 74 \ 67$

$HIC^*_{d, Ma} : R50Y\_100\_100_d$

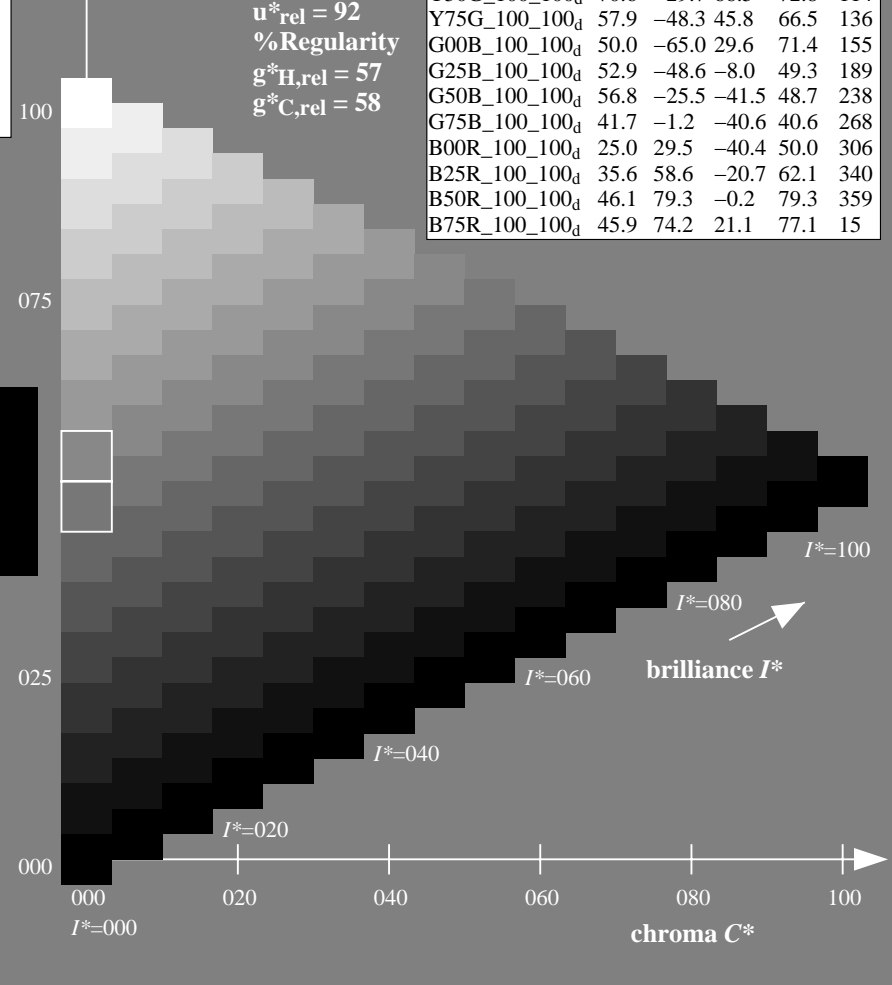
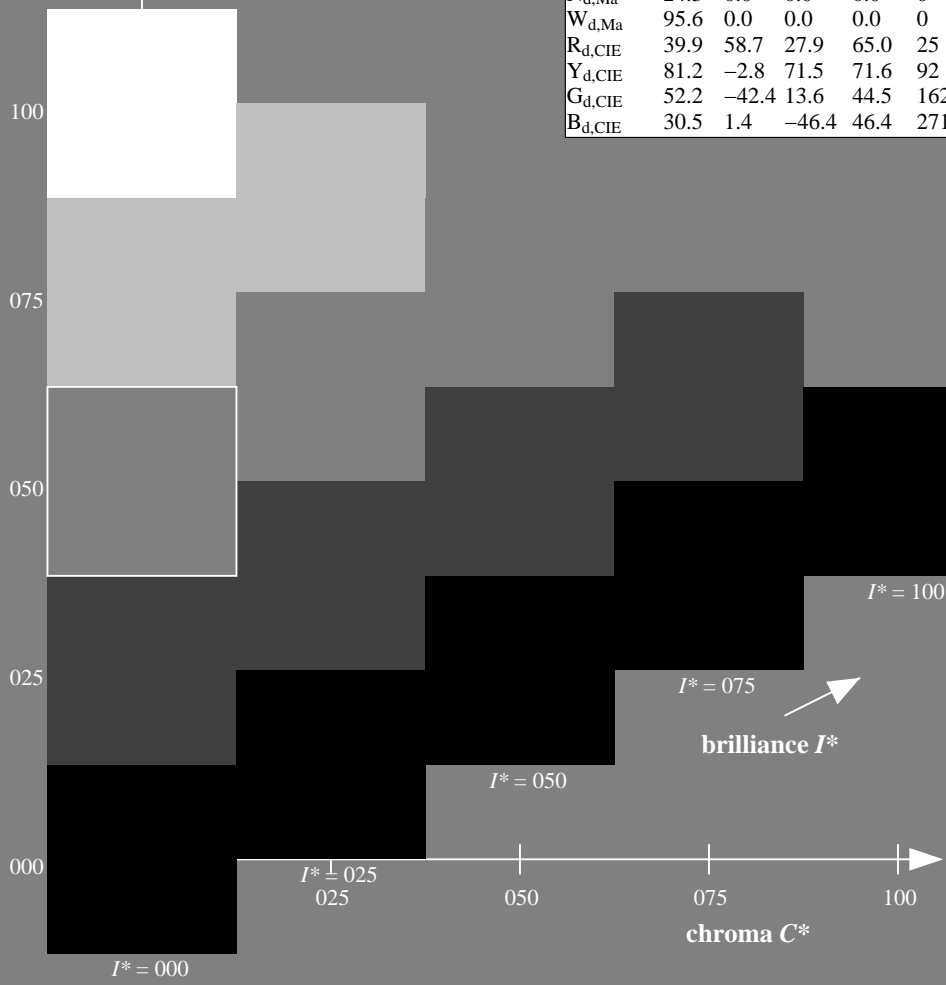
$rgbic^*_{d, Ma} : 1.0 \ 0.5 \ 0.0 \ 1.0 \ 1.0$

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>	45.4	70.9	44.8	83.9
R25Y_100_100 <sub>d</sub>	53.0	53.4	54.8	76.5
R50Y_100_100 <sub>d</sub>	64.9	28.9	68.6	74.5
R75Y_100_100 <sub>d</sub>	78.6	4.3	84.7	84.8
Y00G_100_100 <sub>d</sub>	87.8	-10.2	95.4	96.0
Y25G_100_100 <sub>d</sub>	81.2	-17.0	84.3	86.0
Y50G_100_100 <sub>d</sub>	70.6	-29.7	66.5	72.8
Y75G_100_100 <sub>d</sub>	57.9	-48.3	45.8	66.5
G00B_100_100 <sub>d</sub>	50.0	-65.0	29.6	71.4
G25B_100_100 <sub>d</sub>	52.9	-48.6	-8.0	49.3
G50B_100_100 <sub>d</sub>	56.8	-25.5	-41.5	48.7
G75B_100_100 <sub>d</sub>	41.7	-1.2	-40.6	40.6
B00R_100_100 <sub>d</sub>	25.0	29.5	-40.4	50.0
B25R_100_100 <sub>d</sub>	35.6	58.6	-20.7	62.1
B50R_100_100 <sub>d</sub>	46.1	79.3	-0.2	79.3
B75R_100_100 <sub>d</sub>	45.9	74.2	21.1	77.1

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



see similar files: http://130.149.60.45/~farbmetrik/QE17/QE17.HTM  
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

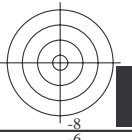
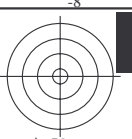
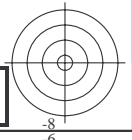
TUB registration: 20130201-QE17/QE17L0NA.TXT /PS  
application for measurement of offset print output, separation cmy0 (CMY0)  
TUB material: code=rh4ta

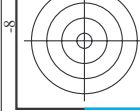
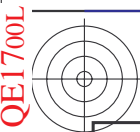
1-003431-L0 QE170-70

TUB-test chart QE17; hue code:  $H^*_d=R50Y_d$   
Test chart according to DIN 33872, 3D=0, de=0, cmy0

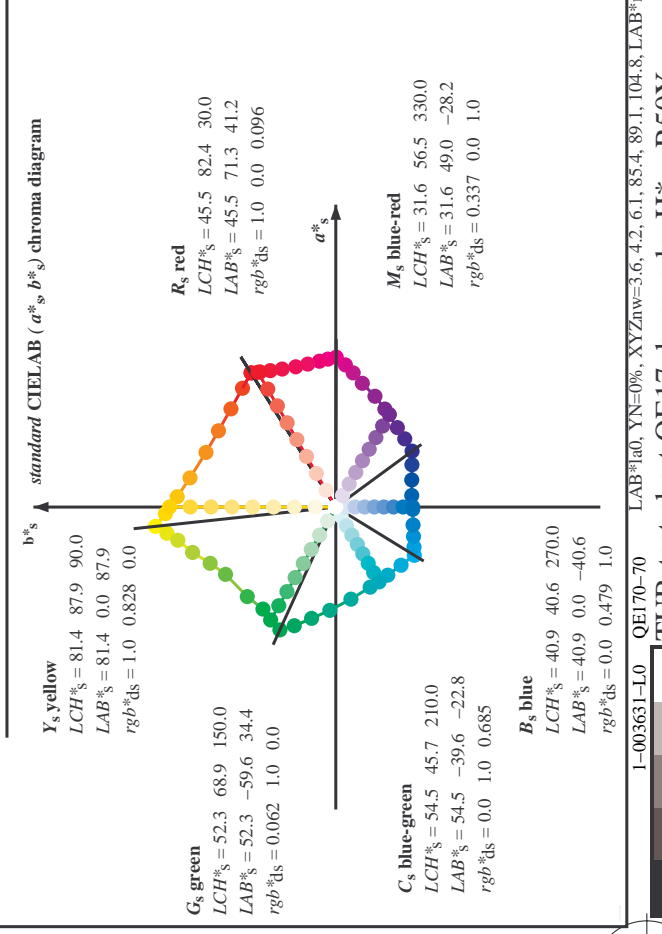
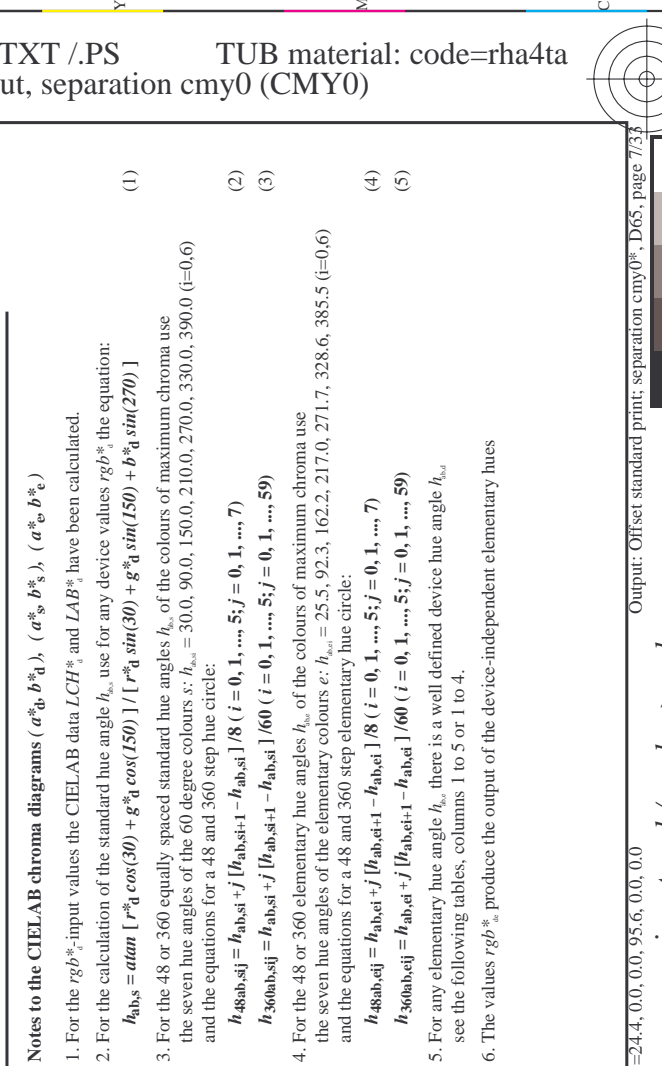
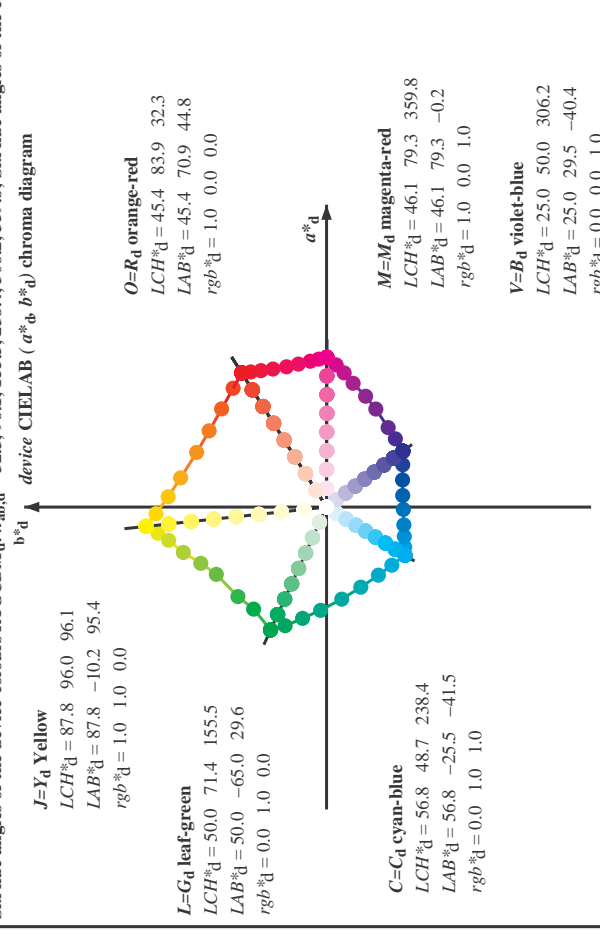
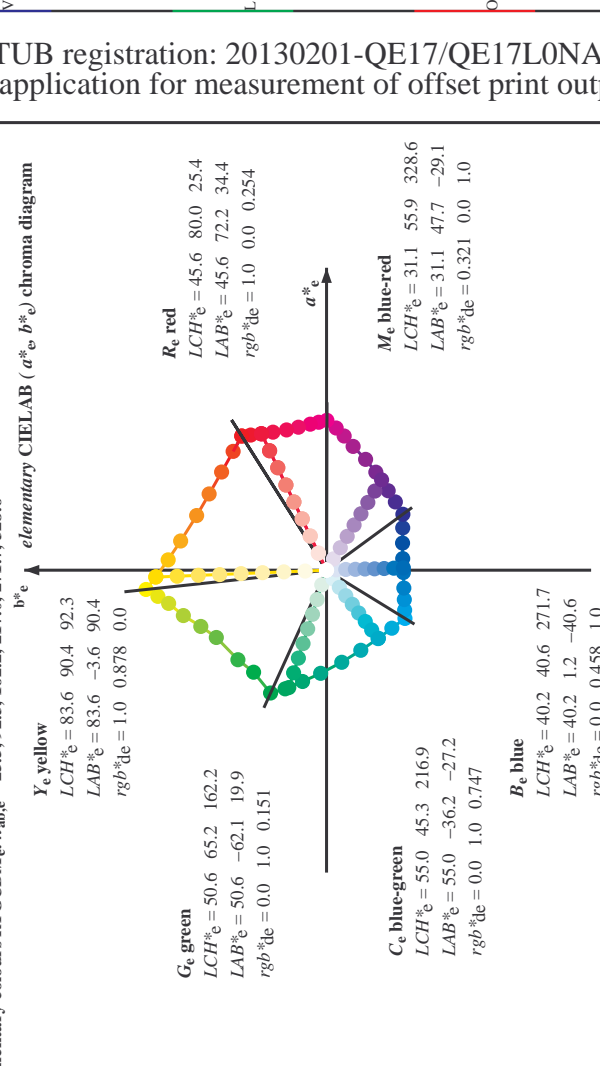
input:  $rgb/cmyk \rightarrow rgb_d$   
output: transfer to  $cmy0_d$

1-003431-F0





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 RYGBM;  $h_{abs,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;  
Six hue angles of the device colours RYGBM;  $h_{abs,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$ ; Six hue angles of the elementary colours RYGBM;  $h_{abs,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$



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

http://130.149.60.45/~farbmetrik/QE17/QE17L0NA.TXT /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 8/33

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 RYGBM; h\_ab,d,s = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the device colours RYGBM; h\_ab,d = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8; 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 16 columns: h\_ab,d, h\_ab,s, h\_ab,e, LAB\* ddx361M, LAB\* ddx44M, LAB\* ddx361M, LAB\* ddx361M, LAB\* ddx361M, LAB\* ddx361M, LAB\* ddx361M, LAB\* ddx361M, LAB\* ddx361M, LAB\* ddx361M, LAB\* ddx361M, LAB\* ddx361M, LAB\* ddx361M, LAB\* ddx361M. Rows contain numerical data for various colorimetric parameters.

Input: rgb/cmyk -> rgbd output: transfer to cmy0d



http://130.149.60.45/~farbmetrik/QE17/QE17L0NA.TXT /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 9/33

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 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 = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8; Six hue angles of the elementary colours RYGBM; 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* <sub>d</sub>	rgb* <sub>s</sub>	rgb* <sub>e</sub>	LAB* <sub>d</sub>	LAB* <sub>s</sub>	LAB* <sub>e</sub>	rgb* <sub>d</sub>	rgb* <sub>s</sub>	rgb* <sub>e</sub>
32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3
38.1	37.5	33.8	1.0	0.125	0.0	48.9	62.8	49.4	79.9	38.1	38.1
46.8	45.0	42.1	1.0	0.25	0.0	53.6	51.9	55.5	76.0	46.8	46.8
56.9	52.5	50.5	1.0	0.375	0.0	59.1	40.3	62.0	74.0	56.9	56.9
67.1	60.0	58.8	1.0	0.5	0.0	64.9	28.9	68.6	74.5	67.1	67.1
78.6	67.5	67.2	1.0	0.625	0.0	72.1	15.4	77.1	78.6	78.6	78.6
86.2	75.0	75.6	1.0	0.75	0.0	77.9	5.4	83.8	84.0	86.2	86.2
92.1	82.5	83.9	1.0	0.875	0.0	83.4	-3.4	90.2	90.2	92.1	92.1
96.1	90.0	92.3	1.0	1.0	0.0	87.8	-10.2	95.4	96.0	96.1	96.1
98.8	97.5	101.0	1.0	0.875	1.0	84.3	-13.9	89.2	90.3	98.8	98.8
101.8	105.0	109.7	1.0	0.75	1.0	80.7	-17.5	83.5	85.3	101.8	101.8
107.6	112.5	118.5	1.0	0.625	1.0	75.3	-24.0	75.7	79.4	107.6	107.6
114.0	120.0	127.2	1.0	0.5	1.0	70.6	-29.7	66.5	72.8	114.0	114.0
121.4	127.5	136.0	1.0	0.375	1.0	65.7	-35.6	58.3	68.3	121.4	121.4
135.3	135.0	144.7	1.0	0.25	1.0	58.4	-47.3	46.8	66.6	135.3	135.3
144.4	142.5	153.4	1.0	0.125	1.0	54.7	-53.9	38.5	66.3	144.4	144.4
155.5	150.0	162.2	1.0	0.0	1.0	50.0	-65.0	29.6	71.4	155.5	155.5
160.7	157.5	169.0	1.0	0.125	0.0	62.8	21.9	66.5	160.7	160.7	160.7
167.7	165.0	175.9	1.0	0.25	0.0	68.2	12.7	60.3	167.7	167.7	167.7
176.7	172.5	182.7	1.0	0.375	0.0	74.5	3.1	54.6	176.7	176.7	176.7
189.3	180.0	189.6	1.0	0.5	0.0	81.6	-8.0	49.3	189.3	189.3	189.3
203.2	187.5	196.4	1.0	0.625	0.0	88.3	-18.1	46.1	203.2	203.2	203.2
217.2	195.0	203.2	1.0	0.75	0.0	95.0	-27.4	45.3	217.2	217.2	217.2
228.3	202.5	210.1	1.0	0.875	0.0	101.8	-37.5	46.2	228.3	228.3	228.3
238.4	210.0	216.9	1.0	1.0	0.0	108.6	-48.0	48.7	238.4	238.4	238.4
242.9	217.5	223.8	1.0	0.875	1.0	54.1	-21.1	-41.3	46.4	242.9	242.9
249.3	225.0	230.6	1.0	0.75	1.0	50.4	-15.5	-41.1	43.9	249.3	249.3
256.9	232.5	237.5	1.0	0.625	1.0	46.5	-9.4	-40.8	41.9	256.9	256.9
268.2	240.0	244.3	1.0	0.5	1.0	41.7	-1.2	-40.6	40.6	268.2	268.2
278.6	247.5	251.2	1.0	0.375	1.0	37.3	6.1	-40.2	40.7	278.6	278.6
289.6	255.0	258.0	1.0	0.25	1.0	32.8	14.3	-40.2	42.7	289.6	289.6
299.0	262.5	264.8	1.0	0.125	1.0	28.6	22.4	-40.2	46.1	299.0	299.0
306.2	270.0	271.7	1.0	0.0	1.0	25.0	29.5	-40.4	50.0	306.2	306.2
314.7	277.5	278.8	1.0	0.125	0.0	27.9	36.0	-36.4	51.2	314.7	314.7
322.1	285.0	285.9	1.0	0.25	0.0	28.8	41.9	-32.5	53.1	322.1	322.1
333.3	292.5	293.0	1.0	0.375	0.0	32.7	51.8	-26.0	58.0	333.3	333.3
340.5	300.0	300.1	1.0	0.5	0.0	35.6	58.6	-20.7	62.1	340.5	340.5
347.9	307.5	307.2	1.0	0.625	0.0	38.1	65.4	-14.0	66.9	347.9	347.9
352.5	315.0	314.3	1.0	0.75	0.0	41.8	71.0	-9.2	71.6	352.5	352.5
356.1	322.5	321.4	1.0	0.875	0.0	44.2	75.2	-5.0	75.3	356.1	356.1
359.8	330.0	328.6	1.0	1.0	0.0	46.1	79.3	-0.2	79.3	359.8	359.8
363.0	337.5	335.7	1.0	0.875	1.0	45.9	45.9	78.2	4.1	363.0	363.0
366.4	345.0	342.8	1.0	0.75	1.0	45.9	45.9	77.1	8.6	366.4	366.4
371.1	352.5	349.9	1.0	0.625	1.0	45.9	45.9	75.6	14.8	371.1	371.1
375.9	360.0	357.0	1.0	0.5	1.0	45.9	45.9	74.2	21.1	375.9	375.9
381.2	367.5	364.1	1.0	0.375	1.0	45.8	45.8	72.9	28.3	381.2	381.2
385.6	375.0	371.2	1.0	0.25	1.0	45.6	45.6	72.1	34.6	385.6	385.6
389.3	382.5	378.3	1.0	0.125	1.0	45.5	45.5	71.4	40.1	389.3	389.3
392.3	390.0	385.4	1.0	0.0	1.0	45.4	45.4	70.9	44.8	392.3	392.3

Input: rgb/cmyk -> rgbd  
 Output: transfer to cmy0d

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

I-003831-L0 QE170-70 LAB\*<sub>lab</sub>, YN=0%, XY<sub>Znw</sub>=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB\*<sub>nw</sub>=24.4, 0.0, 0.0, 95.6, 0.0, 0.0

TUB-test chart QE17; hue code: H\*\_d=R50Y\_d  
 48 step hue circles; rgb-LabCh\*tables

http://130.149.60.45/~farbmetrik/QE17/QE17L0NA.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 cmy0\*: D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM<sub>d</sub>: h<sub>ab,d</sub> = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;

Table with 10 columns: h<sub>ab,d</sub>, h<sub>ab,s</sub>, h<sub>ab,e</sub>, LAB\*<sub>ds</sub>361MI, LAB\*<sub>dsx</sub>361MI, LAB\*<sub>ds</sub>361MI, R<sub>d</sub>, R<sub>s</sub>, R<sub>e</sub>, LAB\*<sub>de</sub>361MI, LAB\*<sub>dex</sub>361MI, LAB\*<sub>de</sub>361MI, R<sub>e</sub>, rgbb\*<sub>ds</sub>, rgbb\*<sub>dsx</sub>, rgbb\*<sub>ds</sub>, rgbb\*<sub>de</sub>, rgbb\*<sub>dex</sub>, rgbb\*<sub>de</sub>. Rows 32-86.

Input: rgb/cmyk -> rgbd output: transfer to cmy0d



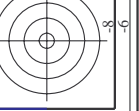
http://130.149.60.45/~farbmetrik/QE17/QE17L0NA.TXT /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 1/33

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 RYGBM; h\_ab,d\_s = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;

Table with columns: h\_ab,d, h\_ab,s, h\_ab,e, rg\_b\*\_d, rg\_b\*\_s, rg\_b\*\_e, LAB\*\_d, LAB\*\_s, LAB\*\_e, dex361MI, de361MI, dd361MI, dex361Ch, de361Ch, dd361Ch, rg\_b\*\_d, rg\_b\*\_s, rg\_b\*\_e, dex361MI, de361MI, dd361MI, dex361Ch, de361Ch, dd361Ch, rg\_b\*\_d, rg\_b\*\_s, rg\_b\*\_e, dex361MI, de361MI, dd361MI, dex361Ch, de361Ch, dd361Ch, Y\_d, Y\_s, Y\_e. Rows 86-114.

LAB\*at0, YN=0%, XY,Znw=3.6,4.2,6.1,85.4,89.1,104.8, LAB\*rw=24.4,0.0,0.0,95.6,0.0,0.0

TUB-test chart QE17; hue code: H\*\_d=R50Y\_d 48 step hue circles; rg\_b\*-LabCh\*tables input: rg\_b\*/cmyk -> rg\_b\_d output: transfer to cmy0\_d



http://130.149.60.45/~farbmetrik/QE17/QE17L0NA.TXT /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 12/33

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 RYGBM; h\_ab,ds = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;

Table with 16 columns: h\_ab,d, h\_ab,s, h\_ab,e, L\*a\*b\*, d\*361M, L\*a\*b\*, d\*361M, L\*a\*b\*, d\*361M, L\*a\*b\*, d\*361M, L\*a\*b\*, d\*361M, L\*a\*b\*, d\*361M, L\*a\*b\*, d\*361M, L\*a\*b\*, d\*361M, L\*a\*b\*, d\*361M, L\*a\*b\*, d\*361M. Rows 114-167.

Six hue angles of the device colours RYGBM; h\_ab,d = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8; Six hue angles of the elementary colours RYGBM; h\_ab,e = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

TUB-test chart QE17; hue code: H\*\_d=R50Y\_d 48 step hue circles; rgb-LabCh\*tables input: rgb/cmyk -> rgbd output: transfer to cmy0d

Output: Offset standard print; separation cmy0\*: D65, page 12/33



http://130.149.60.45/~farbmetrik/QE17/QE17L0NA.TXT /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 13/33

QE1700L

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 colors RYGBM; h\_ab,ds = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;

Table with columns for hue angles (h\_ab,d, h\_ab,s, h\_ab,e) and device colors (RYGBM), and various colorimetric parameters (LAB\*, RGB\*, CIE) for 60 standard colors. The table is organized into 10 groups of 6 columns each, corresponding to the 60 standard colors.

Input: rgb/cmyk -> rgbd output: transfer to cmy0d Output: Offset standard print; separation cmy0\*, D65, page 13/33

http://130.149.60.45/~farbmetrik/QE17/QE17L0NA.TXT /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 14/33

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 RYGBM; h\_ab,ds = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;

Table with 15 columns: h\_ab,d, h\_ab,s, h\_ab,e, LAb\*\_d361MI, LAb\*\_s361MI, LAb\*\_e361MI, LAb\*\_ds361MI, LAb\*\_ss361MI, LAb\*\_se361MI, LAb\*\_de361MI, LAb\*\_des361MI, LAb\*\_des361MI, LAb\*\_des361MI, LAb\*\_des361MI, LAb\*\_des361MI, LAb\*\_des361MI. Rows 238-289.

TUB-test chart QE17; hue code: H\*\_d=R50Y\_d 48 step hue circles; rgb-LabCh\*tables. Input: rgb/cmyk -> rgbd output: transfer to cmy0d. Output: Offset standard print; separation cmy0; D65, page 14/33.

QE1700L

TUB registration: 20130201-QE17/QE17LONA.TXT/.PS TUB material: code=rha4ta application for measurement of offset print output, separation cmy0 (CMY0)

http://130.149.60.45/~farbmetrik/QE17/QE17LONA.TXT/.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 15/33

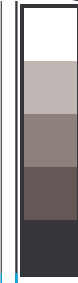
Data of Maximum color. M in colorimetric system. Offset standard print; separation cmy0\*; D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM; h\_ab,ds = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;

Table with 36 columns: h\_ab,d, h\_ab,s, h\_ab,e, h\_ab,e, L\*a\*, L\*b\*, L\*c\*, L\*a\*, L\*b\*, L\*c\*, L\*a\*, L\*b\*, L\*c\*, L\*a\*, L\*b\*, L\*c\*, L\*a\*, L\*b\*, L\*c\*, L\*a\*, L\*b\*, L\*c\*, L\*a\*, L\*b\*, L\*c\*, L\*a\*, L\*b\*, L\*c\*, L\*a\*, L\*b\*, L\*c\*, L\*a\*, L\*b\*, L\*c\*. Contains hue angle data for 340 colors.

input: rgb/cmyk -> rgbd output: transfer to cmy0d

Output: Offset standard print; separation cmy0\*, D65, page 15/33

see similar files: http://130.149.60.45/~farbmetrik/QE17/QE17.HTM technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik



http://130.149.60.45/~farbmetrik/QE17/QE17L0NA.TXT /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 16/33

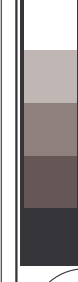
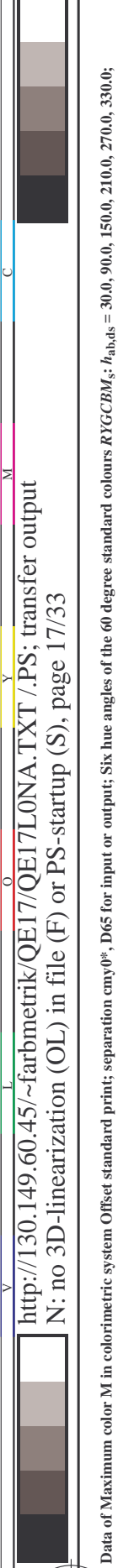
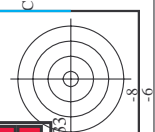


Table with columns for hue angles (h\_ab,s, h\_ab,d), device colours (RYGCBM), separation cmy0, and colorimetric system (LAB\*, dxs361MI, ds361MI, dds361MI, LabCh) for 60 different hues.

Input: rgb/cmyk -> rgbd output: transfer to cmy0d. TUB-test chart QE17; hue code: H\*\_d=R50Y\_d 48 step hue circles; rgb-LabCh-tables. QE170-70, LAB\*at0, YN=0%, XY,Znw=3.6,4.2,6.1,85.4,89.1,104.8, LAB\*rw=24.4,0.0,0.0,95.6,0.0,0.0







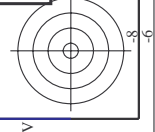
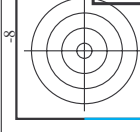
http://130.149.60.45/~farbmetrik/QE17/QE17L0NA.TXT / .PS; transfer output  
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 17/33

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 RYGBM<sub>d</sub>: h<sub>ab,d,s</sub> = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;

Table with 16 columns: h<sub>ab,d</sub>, h<sub>ab,s</sub>, h<sub>ab,e</sub>, L\*a\*b\*, d\*361M, L\*a\*b\*, d\*361M, L\*a\*b\*, d\*361M, L\*a\*b\*, d\*361M, L\*a\*b\*, d\*361M, L\*a\*b\*, d\*361M, L\*a\*b\*, d\*361M, L\*a\*b\*, d\*361M, L\*a\*b\*, d\*361M, L\*a\*b\*, d\*361M, L\*a\*b\*, d\*361M. Rows 366 to 392.

LAB\*<sub>ab</sub>, YN=0%, XY Znw=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB\*<sub>nw</sub>=24.4, 0.0, 0.0, 95.6, 0.0, 0.0  
Input: rgb/cmyk -> rgbd  
Output: Offset standard print; separation cmy0\*, D65, page 17/33

TUB-test chart QE17; hue code: H\*\_d=R50Y\_d  
48 step hue circles; rgbd-LabCh\*tables  
input: rgb/cmyk -> rgbd  
output: transfer to cmy0d



http://130.149.60.45/~farbmetrik/QE17/QE17LONA.TXT /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 18/33

Table with columns: nrf, HHC\*Fd, rpb\*Fd, icr\*Fd, hsa\*Fd, LabC\*Fd, LabCh\*Fd, DE\*Fd, HsM\*Fd, rpb\*Md, LabCh\*Md, LabCh\*Yd. Rows include color names like R000, R001, R002, etc., and numerical data for each column.

Mean color difference of this page: delta E\* = 4.0

input: rgb/cmyk -> rgbd output: transfer to cmy0d

TUB-test chart QE17; hue code: H\*d=R50Yd colors and differences, AE\*'

Table with columns: nuf, HHC\*Fd, rpb\_Fd, icr\_Fd, hsb\_Fd, rpb\*Fd, LabCH\*Fd, LabCH\*\*Fd, DE\*Fd, HsM\*Fd, rpb\*\*Fd, LabCH\*\*Yd, LabCH\*\*Md, and LabCH\*\*Cd. The table contains 450 rows of color calibration data.

Mean color difference of this page: delta E\* = 5.0

input: rgb/cmyk -> rgbd output: transfer to cmy0d

TUB-test chart QE17; hue code: H\*\_d=R50Y\_d colors and differences, ΔE\*'

http://130.149.60.45/~farbmetrik/QE17/QE17LONA.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 80 rows (numbered 1-80). Each cell contains a 2x2 grid of numerical values representing color differences and differences.

see similar files: http://130.149.60.45/~farbmetrik/QE17/QE17.HTM technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

input: rgb/cmyk -> rgbd output: transfer to cmy0d

QE170-TN; Page 20/33-F

TUB-test chart QE17; hue code: H\*d=R50Yd colors and differences, ΔE\*

I-0031931-F0

Mean color difference of this page: delta E\* = 4.2

http://130.149.60.45/~farbmetrik/QE17/QE17LONA.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, 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, LabCH\*Fd. Rows 81-161.

Mean color difference of this page: delta E\* = 4.2

TUB-test chart QE17; hue code: H\*d=R50Yd colors and differences, AE\* input: rgb/cmyk -> rgbd output: transfer to cmy0d





Table with 40 columns (n, HHC\*Fd, Rgb\*Fd, etc.) and 40 rows of color data. Includes a 'Mean color difference of this page: delta E\* = 6.8' at the bottom right of the table area.

input: rgb/cmyk -> rgbd output: transfer to cmy0d

TUB-test chart QE17; hue code: H\*d=R50Yd colors and differences, AE\*

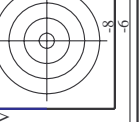
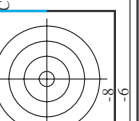
QE170-TN; Page 24/33-F

I-0032331-F0



QE1700L

QE1700L



http://130.149.60.45/~farbmetrik/QE17/QE17LONA.TXT /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 25/33

Table with columns: n, HHC\*Fd, rpb\*Fd, icr\*Fd, hsa\*Fd, rpb\*Fd, LabCH\*Fd, LabCH\*Fd, rpb\*Fd, DF\*Fd, hsa\*Fd, rpb\*Fd, LabCH\*Fd, LabCH\*Fd, rpb\*Fd, delta E\* = 7.0

see similar files: http://130.149.60.45/~farbmetrik/QE17/QE17.HTM technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

input: rgb/cmyk -> rgbd output: transfer to cmy0d

TUB-test chart QE17; hue code: H\*d=R50Yd colors and differences, AE\*

http://130.149.60.45/~farbmetrik/QE17/QE17LONA.TXT / .PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 26/33

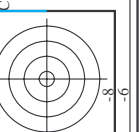
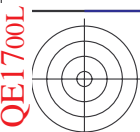
Table with 15 columns: n, HHC\*Fd, rpb\*Fd, icr\*Fd, hsa\*Fd, rpb\*Fd, LabCh\*Fd, LabCh\*Fd, rpb\*Fd, rpb\*Fd, LabCh\*Fd, DE\*Fd, hsa\*Fd, rpb\*Fd, LabCh\*Fd. Rows include color names like R00Y, R00M, R00C, etc.

Mean color difference of this page: delta E\* = 5.0

TUB-test chart QE17; hue code: H\*d=R50Yd colors and differences, AE\* input: rgb/cmyk -> rgbd output: transfer to cmy0d

QE1700L

QE1700L



http://130.149.60.45/~farbmetrik/QE17/QE17LONA.TXT /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 27/33

Table with 15 columns: n, HHC\*Fd, rpb\*Fd, icr\*Fd, hsa\*Fd, rpb\*Fd, LabCh\*Fd, LabCh\*Fd, rpb\*Fd, LabCh\*Fd, DF\*Fd, rpb\*Fd, LabCh\*Fd, LabCh\*Fd, LabCh\*Fd. Rows 567-647.

input: rgb/cmyk -> rgbd output: transfer to cmy0d

TUB-test chart QE17; hue code: H\*d=R50Yd colors and differences, AE\*MI

I=0032631-F0

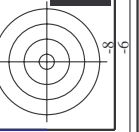
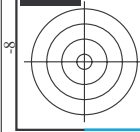


Table with 28 columns: n, HHC\*Fd, rpb\*Fd, icr\*Fd, ihs\*Fd, LabCH\*Fd, LabCH\*Pd, LabCH\*Psd, rpb\*Pd, rpb\*Psd, LabCH\*Pd, LabCH\*Psd, DE\*Pd, Hs\*Pd, rpb\*Pd, LabCH\*Pd, LabCH\*Psd, rpb\*Pd, LabCH\*Pd, LabCH\*Psd, rpb\*Pd, LabCH\*Pd, LabCH\*Psd, DE\*Pd, Hs\*Pd, rpb\*Pd, LabCH\*Pd, LabCH\*Psd, rpb\*Pd, LabCH\*Pd, LabCH\*Psd. Includes a 'Mean color difference of this page:' section at the bottom right.

input: rgb/cmyk -> rgbd output: transfer to cmy0d

TUB-test chart QE17; hue code: H\*d=R50Yd colors and differences, ΔE\*

QE170-TN; Page:2833-F

I=0032731-F0

http://130.149.60.45/~farbmetrik/QE17/QE17LONA.TXT /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 29/33

Table with 10 columns: n, H#C\*Fd, r\*gb\*Fd, i\*ct\*Fd, i\*rs\*Fd, r\*gb\*Fd, LabC\*H\*Fd, LabC\*H\*Fd, LabC\*H\*Fd, LabC\*H\*Fd. Rows include color patches like NV\_100a, G50B\_100.0124, etc.

Mean color difference of this page: delta E\* = 7.8

TUB-test chart QE17; hue code: H\*d=R50Yd colors and differences, AE\* input: rgb/cmyk -> rgbd output: transfer to cmy0d



Table with 10 columns: n, H#C\*Fd, H#s\_Fd, iEt\_Fd, rGb\_Fd, LabC\*H\*Fd, rGb\*Fd, LabCH\*Fd, DF\*Fd, H#s\_Md, rGb\_Md, LabCH\*Md, LabCH\*Yd, and 0.0 values. The table contains 971 rows of color calibration data.

input: rgb/cmyk -> rgbd output: transfer to cmy0d

TUB-test chart QE17; hue code: H\*\_d=R50Y\_d colors and differences, AE\*\_\*





http://130.149.60.45/~farbmetrik/QE17/QE17L0NA.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	hsa*Fd	rgb*Fd	LabCIP*Fd	hsa*Fd	LabCIP*Fd	DF*Fd	hsa*Fd	rgb*Fd	LabCIP*Fd
1053	NW_086d	0.866	0.866	0.866	0.866	0.866	0.866	0.866	3.7	360	1.0	95.6
1054	NW_093d	0.933	0.933	0.933	0.933	0.933	0.933	0.933	71.6	1.5	1.0	95.6
1055	NW_100d	1.0	1.0	1.0	1.0	1.0	1.0	1.0	114.3	0.1	1.0	95.6
1056	NW_006d	0.066	0.066	0.066	0.066	0.066	0.066	0.066	308.5	1.7	1.0	95.6
1057	NW_013d	0.133	0.133	0.133	0.133	0.133	0.133	0.133	6.5	360	1.0	95.6
1058	NW_020d	0.2	0.2	0.2	0.2	0.2	0.2	0.2	9.0	22.4	1.0	95.6
1059	NW_026d	0.266	0.266	0.266	0.266	0.266	0.266	0.266	30.4	13.3	1.0	95.6
1060	NW_033d	0.333	0.333	0.333	0.333	0.333	0.333	0.333	44.7	14.0	1.0	95.6
1061	NW_040d	0.4	0.4	0.4	0.4	0.4	0.4	0.4	40.4	15.5	1.0	95.6
1062	NW_046d	0.466	0.466	0.466	0.466	0.466	0.466	0.466	48.4	14.5	1.0	95.6
1063	NW_053d	0.533	0.533	0.533	0.533	0.533	0.533	0.533	51.6	11.8	1.0	95.6
1064	NW_060d	0.6	0.6	0.6	0.6	0.6	0.6	0.6	56.7	11.5	1.0	95.6
1065	NW_066d	0.666	0.666	0.666	0.666	0.666	0.666	0.666	62.0	8.3	1.0	95.6
1066	NW_073d	0.734	0.734	0.734	0.734	0.734	0.734	0.734	69.4	5.9	1.0	95.6
1067	NW_080d	0.8	0.8	0.8	0.8	0.8	0.8	0.8	57.5	8.3	1.0	95.6
1068	NW_086d	0.866	0.866	0.866	0.866	0.866	0.866	0.866	62.0	3.6	1.0	95.6
1069	NW_093d	0.933	0.933	0.933	0.933	0.933	0.933	0.933	71.7	1.5	1.0	95.6
1070	NW_100d	1.0	1.0	1.0	1.0	1.0	1.0	1.0	118.4	0.1	1.0	95.6
1071	NW_006d	0.066	0.066	0.066	0.066	0.066	0.066	0.066	299.2	2.9	1.0	95.6
1072	NW_013d	0.133	0.133	0.133	0.133	0.133	0.133	0.133	138.7	0.0	1.0	95.6
1073	ROXY_100_100d	1.0	1.0	1.0	1.0	1.0	1.0	1.0	328.9	0.5	1.0	95.6
1074	ROXY_100_100d	1.0	1.0	1.0	1.0	1.0	1.0	1.0	328.9	0.5	1.0	95.6
1075	Y06B_100_100d	0.0	1.0	1.0	0.0	0.0	0.0	0.0	36.0	0.4	1.0	95.6
1076	Y06B_100_100d	0.0	1.0	1.0	0.0	0.0	0.0	0.0	36.0	0.4	1.0	95.6
1077	B06B_100_100d	0.0	0.0	1.0	0.0	0.0	0.0	0.0	36.0	0.5	1.0	95.6
1078	B06B_100_100d	0.0	0.0	1.0	0.0	0.0	0.0	0.0	36.0	0.5	1.0	95.6
1079	B50B_100_100d	0.0	0.0	1.0	0.0	0.0	0.0	0.0	359.8	0.2	1.0	95.6

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

input: rgb/cmyk -> rgbd output: transfer to cmy0d

TUB-test chart QE17; hue code: H\*\_d=R50Y\_d colors and differences, delta E\*'

