

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 190/360 = 0.52$

$H^*_- = G25B_-$

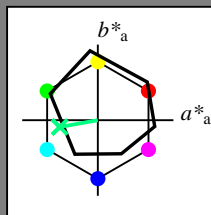
Data for any device (d) or elementary (e) colour:

HIC^*_-

hue text for the colours of this page:

$H^*_- = G25B_-$

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):

$LabCh^*_{-,Ma}$: 59 -50 -9 51 190

$HIC^*_{-,Ma}$: G25B_100_100_

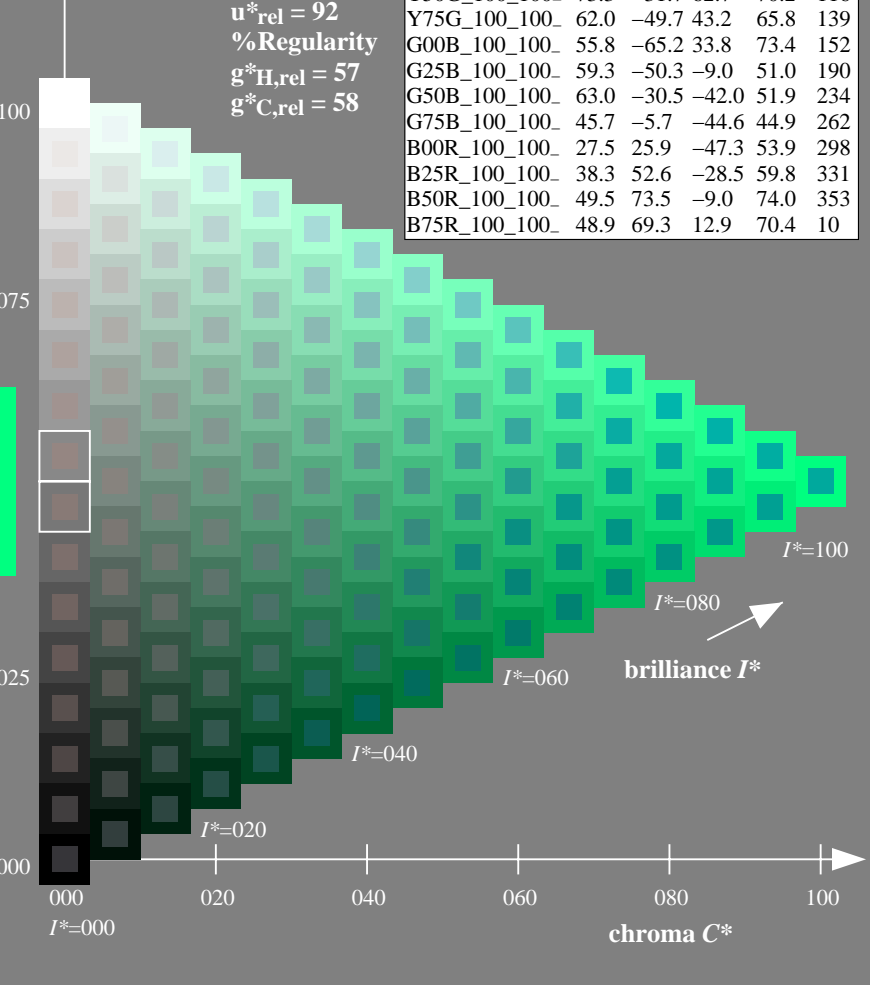
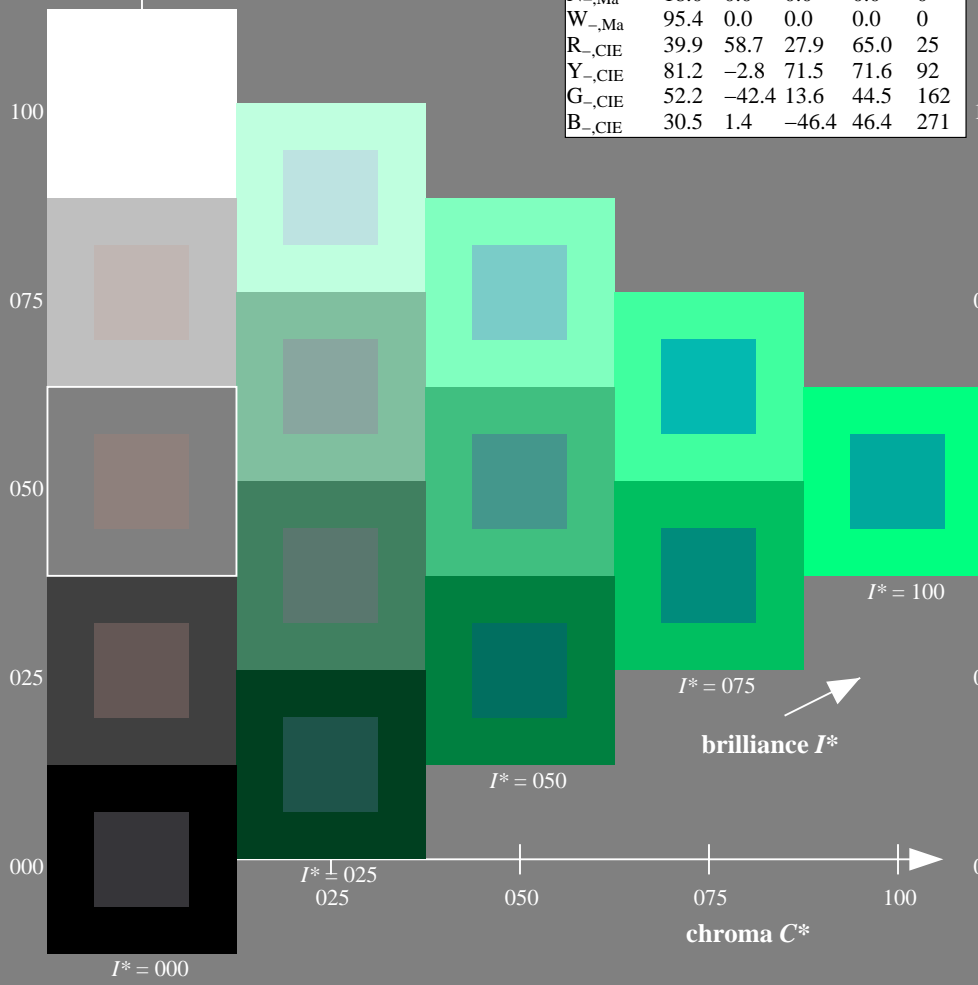
$rgbic^*_{-,Ma}$:

0.0 1.0 0.5 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	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/QE87/QE87L0FA.TXT> /PS
 technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

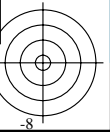
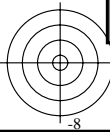
TUB registration: 20130201-QE87/QE87L0FA.TXT /PS
 application for measurement of offset print output

TUB material: code=rh4ta

1-103031-L0 QE870-7N

TUB-test chart QE87; hue code: $H^*_- = G25B_-$
 Test chart according to DIN 33872, 3D=1, de=0, cm_y0^*

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

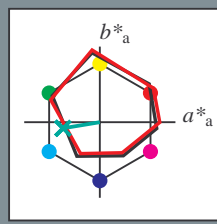


Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 189/360 = 0.52$

$H^*_d = G25B_d$

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

HIC^*_d
hue text for the colours of this page:
 $H^*_d = G25B_d$
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
Y _{d, Ma}	87.8	-10.2	95.4	96.0
G _{d, Ma}	50.0	-65.0	29.6	71.4
C _{d, Ma}	56.8	-25.5	-41.5	48.7
B _{d, Ma}	25.0	29.5	-40.4	50.0
M _{d, Ma}	46.1	79.3	-0.2	79.3
N _{d, Ma}	24.3	0.0	0.0	0.0
W _{d, Ma}	95.6	0.0	0.0	0.0
R _{d, CIE}	39.9	58.7	27.9	65.0
Y _{d, CIE}	81.2	-2.8	71.5	71.6
G _{d, CIE}	52.2	-42.4	13.6	44.5
B _{d, CIE}	30.5	1.4	-46.4	46.4

Data for maximum colour (Ma):

$LabCh^*_{d, Ma}$: 52 -48 -8 49 189

$HIC^*_{d, Ma}$: G25B_100_100d

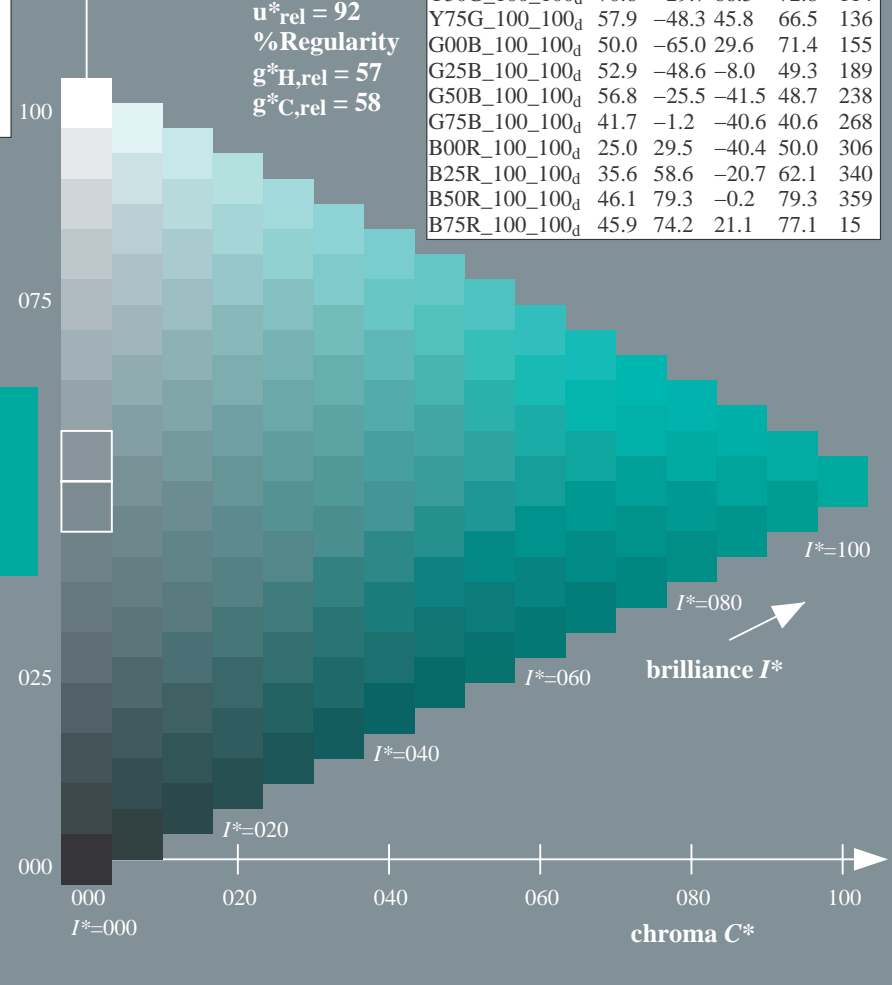
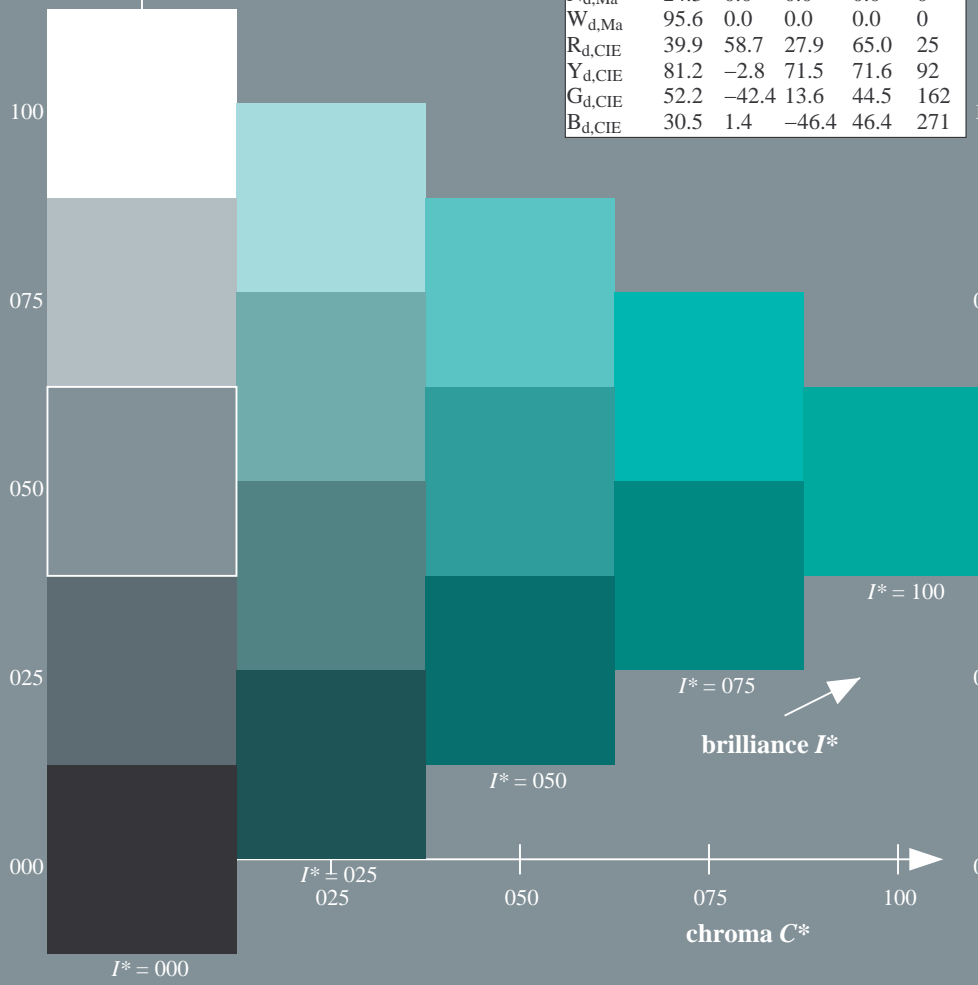
$rgbic^*_{d, Ma}$: 0.0 1.0 0.5 1.0 1.0

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 _d	45.4	70.9	44.8	83.9
R25Y_100_100 _d	53.0	53.4	54.8	76.5
R50Y_100_100 _d	64.9	28.9	68.6	74.5
R75Y_100_100 _d	78.6	4.3	84.7	84.8
Y00G_100_100 _d	87.8	-10.2	95.4	96.0
Y25G_100_100 _d	81.2	-17.0	84.3	86.0
Y50G_100_100 _d	70.6	-29.7	66.5	72.8
Y75G_100_100 _d	57.9	-48.3	45.8	66.5
G00B_100_100 _d	50.0	-65.0	29.6	71.4
G25B_100_100 _d	52.9	-48.6	-8.0	49.3
G50B_100_100 _d	56.8	-25.5	-41.5	48.7
G75B_100_100 _d	41.7	-1.2	-40.6	40.6
B00R_100_100 _d	25.0	29.5	-40.4	50.0
B25R_100_100 _d	35.6	58.6	-20.7	62.1
B50R_100_100 _d	46.1	79.3	-0.2	79.3
B75R_100_100 _d	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/QE87/QE87L0FA.TXT /PS
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE87/QE87L0FA.TXT /PS
application for measurement of offset print output, separation cmy0* (CMY0)
TUB material: code=rh4ta

1-103131-L0 QE870-72

TUB-test chart QE87; hue code: $H^*_d = G25B_d$
Test chart according to DIN 33872, 3D=1, de=0, $cmy0^*$

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

1-103131-F0

see similar files: http://130.149.60.45/~farbmetrik/QE87/QE87.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

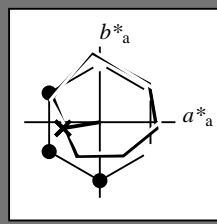
TUB registration: 20130201-QE87/QE87L0FA.TXT /PS
application for measurement of offset print output, separation cmy0* (CMY0)
TUB material: code=rh4ta

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 189/360 = 0.52$

$H^*_d = G25B_d$

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

HIC^*_d
hue text for the colours of this page:
 $H^*_d = G25B_d$
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):

$LabCh^*_d, Ma$: 52 -48 -8 49 189

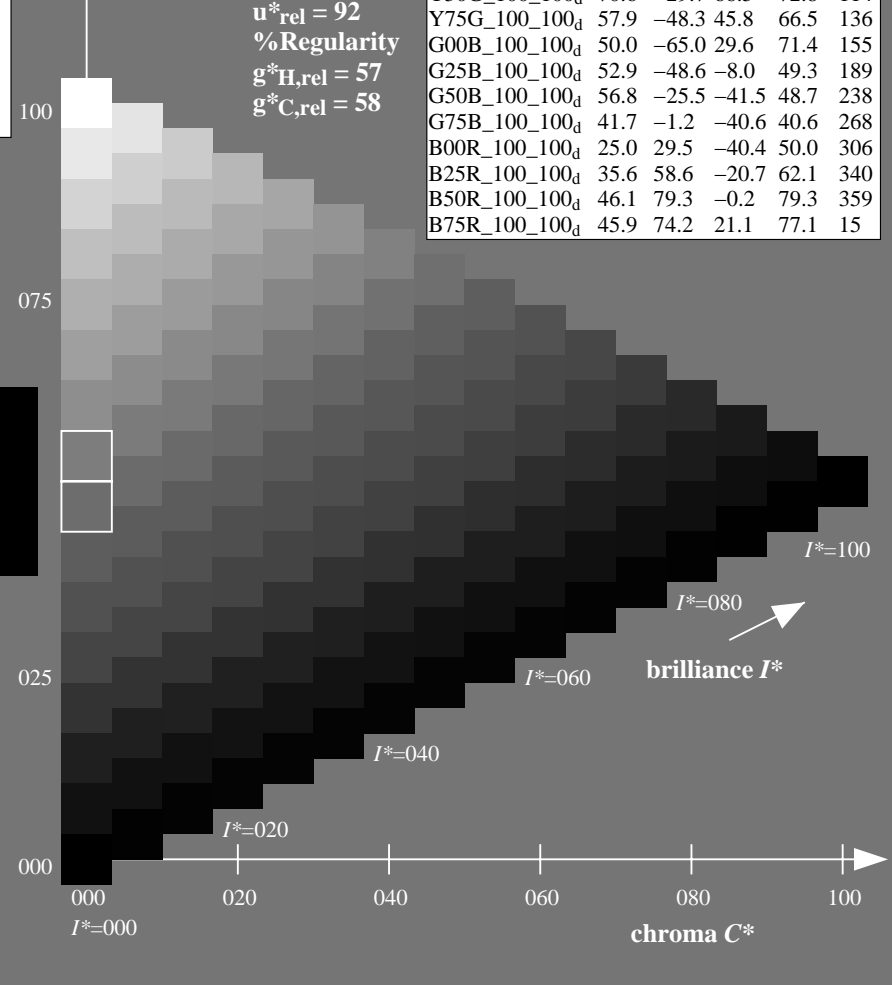
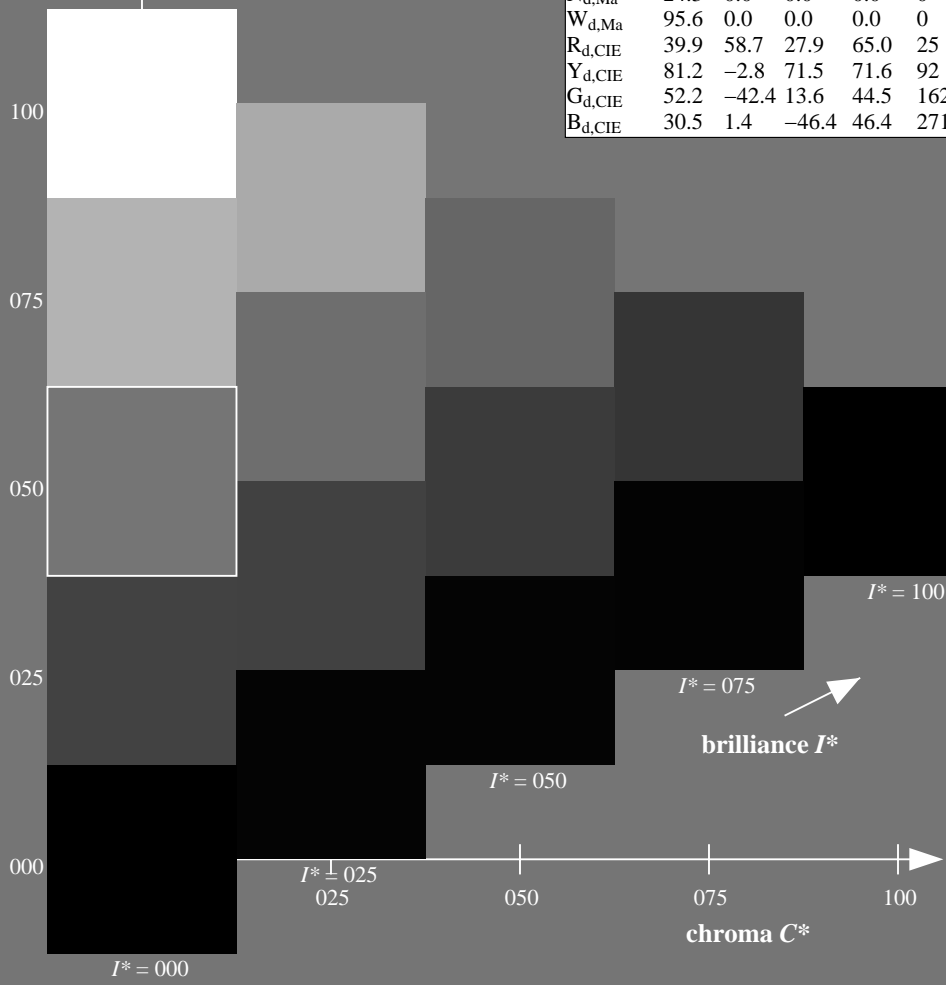
HIC^*_d, Ma : G25B_100_100d

$rgbic^*_d, Ma$:
0.0 1.0 0.5 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_100d	45.4	70.9	44.8	83.9	32
R25Y_100_100d	53.0	53.4	54.8	76.5	45
R50Y_100_100d	64.9	28.9	68.6	74.5	67
R75Y_100_100d	78.6	4.3	84.7	84.8	87
Y00G_100_100d	87.8	-10.2	95.4	96.0	96
Y25G_100_100d	81.2	-17.0	84.3	86.0	101
Y50G_100_100d	70.6	-29.7	66.5	72.8	114
Y75G_100_100d	57.9	-48.3	45.8	66.5	136
G00B_100_100d	50.0	-65.0	29.6	71.4	155
G25B_100_100d	52.9	-48.6	-8.0	49.3	189
G50B_100_100d	56.8	-25.5	-41.5	48.7	238
G75B_100_100d	41.7	-1.2	-40.6	40.6	268
B00R_100_100d	25.0	29.5	-40.4	50.0	306
B25R_100_100d	35.6	58.6	-20.7	62.1	340
B50R_100_100d	46.1	79.3	-0.2	79.3	359
B75R_100_100d	45.9	74.2	21.1	77.1	15



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

1-103231-L0 QE870-72

TUB-test chart QE87; hue code: $H^*_d = G25B_d$
Test chart according to DIN 33872, 3D=1, de=0, $cmy0^*$

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

1-103231-F0

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 189/360 = 0.52$

$H^*_d = G25B_d$

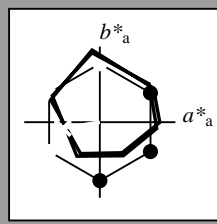
Data for any device (d) or elementary (e) colour:

HIC^*_d

hue text for the colours of this page:

$H^*_d = G25B_d$

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):

$LabCh^*_d, Ma: 52 -48 -8 49 189$

$HIC^*_d, Ma: G25B_100_100_d$

$rgbic^*_d, Ma:$

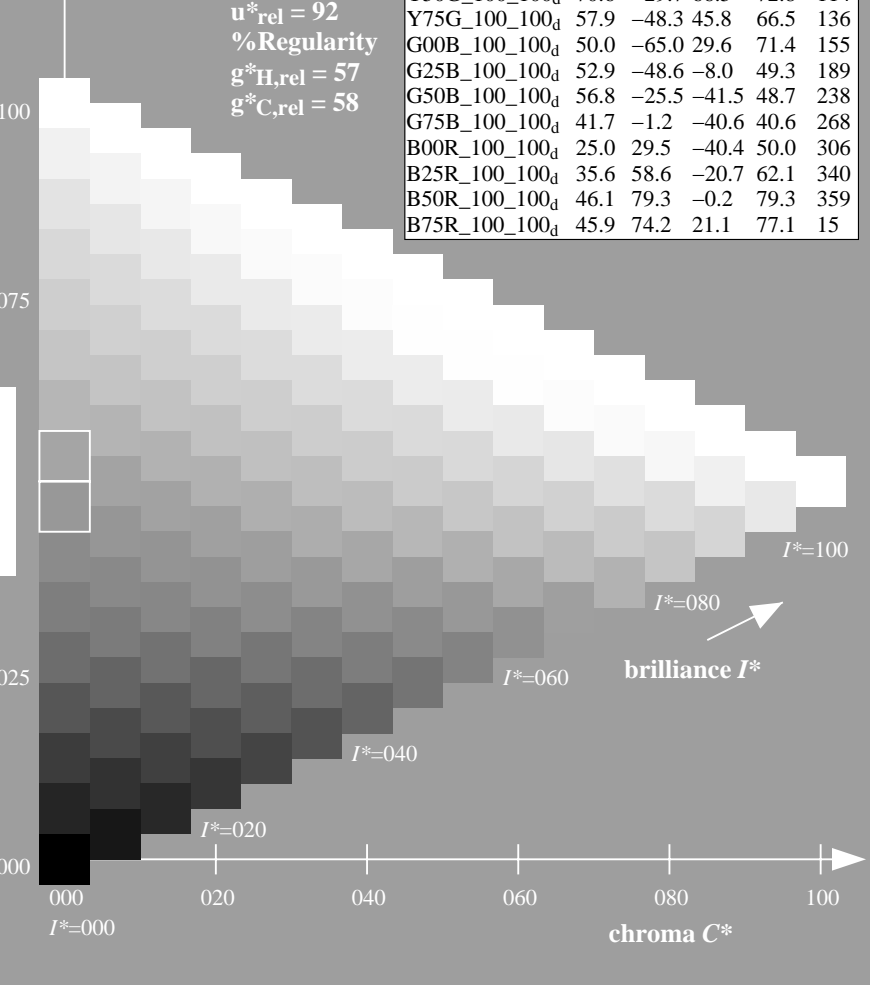
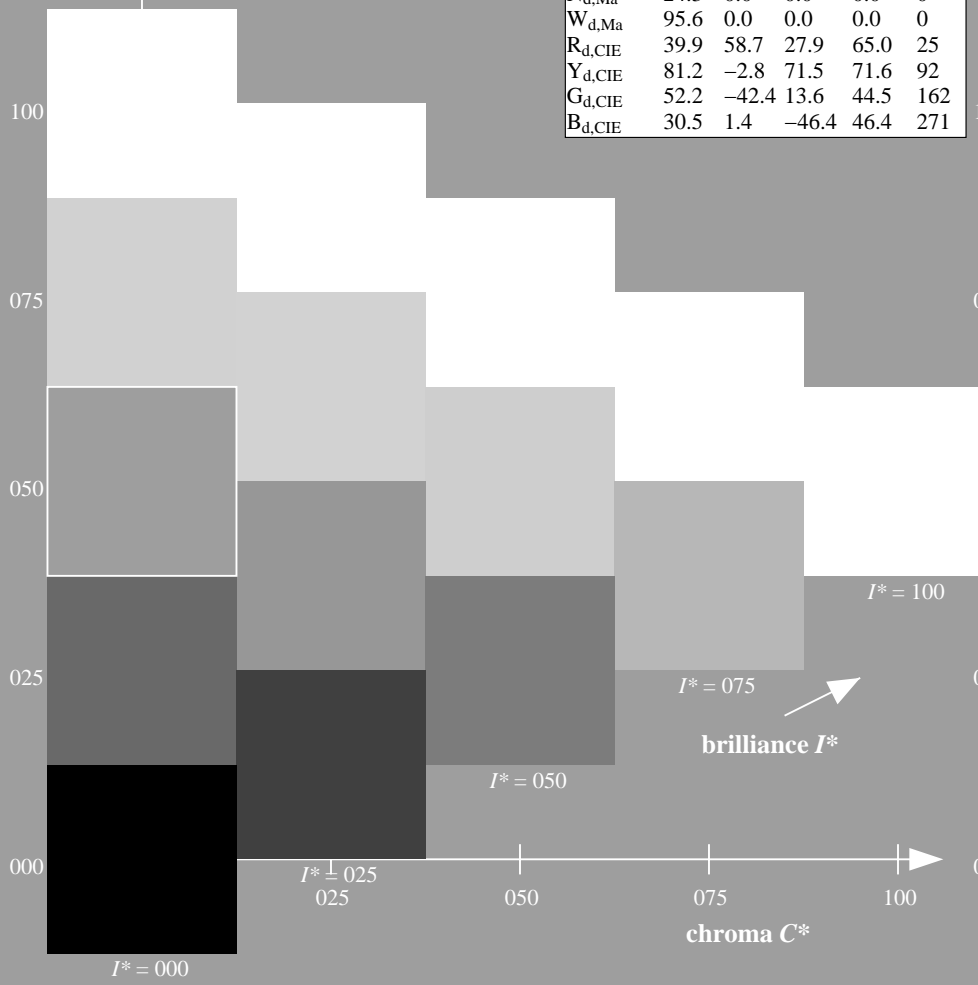
0.0 1.0 0.5 1.0 1.0

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 _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

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



see similar files: http://130.149.60.45/~farbmetrik/QE87/QE87L0FA.TXT /.PS
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE87/QE87L0FA.TXT /.PS
application for measurement of offset print output, separation cmy0* (CMY0)
TUB material: code=rh4ta

1-103331-L0 QE870-72

TUB-test chart QE87; hue code: $H^*_d=G25B_d$
Test chart according to DIN 33872, 3D=1, de=0, $cmy0^*$

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

1-103331-F0

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 189/360 = 0.52$

$H^*_d = G25B_d$

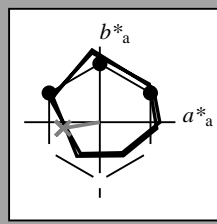
Data for any device (d) or elementary (e) colour:

HIC^*_d

hue text for the colours of this page:

$H^*_d = G25B_d$

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
Y _{d, Ma}	87.8	-10.2	95.4	96.0
G _{d, Ma}	50.0	-65.0	29.6	71.4
C _{d, Ma}	56.8	-25.5	-41.5	48.7
B _{d, Ma}	25.0	29.5	-40.4	50.0
M _{d, Ma}	46.1	79.3	-0.2	79.3
N _{d, Ma}	24.3	0.0	0.0	0.0
W _{d, Ma}	95.6	0.0	0.0	0.0
R _{d, CIE}	39.9	58.7	27.9	65.0
Y _{d, CIE}	81.2	-2.8	71.5	71.6
G _{d, CIE}	52.2	-42.4	13.6	44.5
B _{d, CIE}	30.5	1.4	-46.4	46.4

Data for maximum colour (Ma):

$LabCh^*_d, Ma: 52 -48 -8 49 189$

$HIC^*_d, Ma: G25B_100_100_d$

$rgbic^*_d, Ma:$

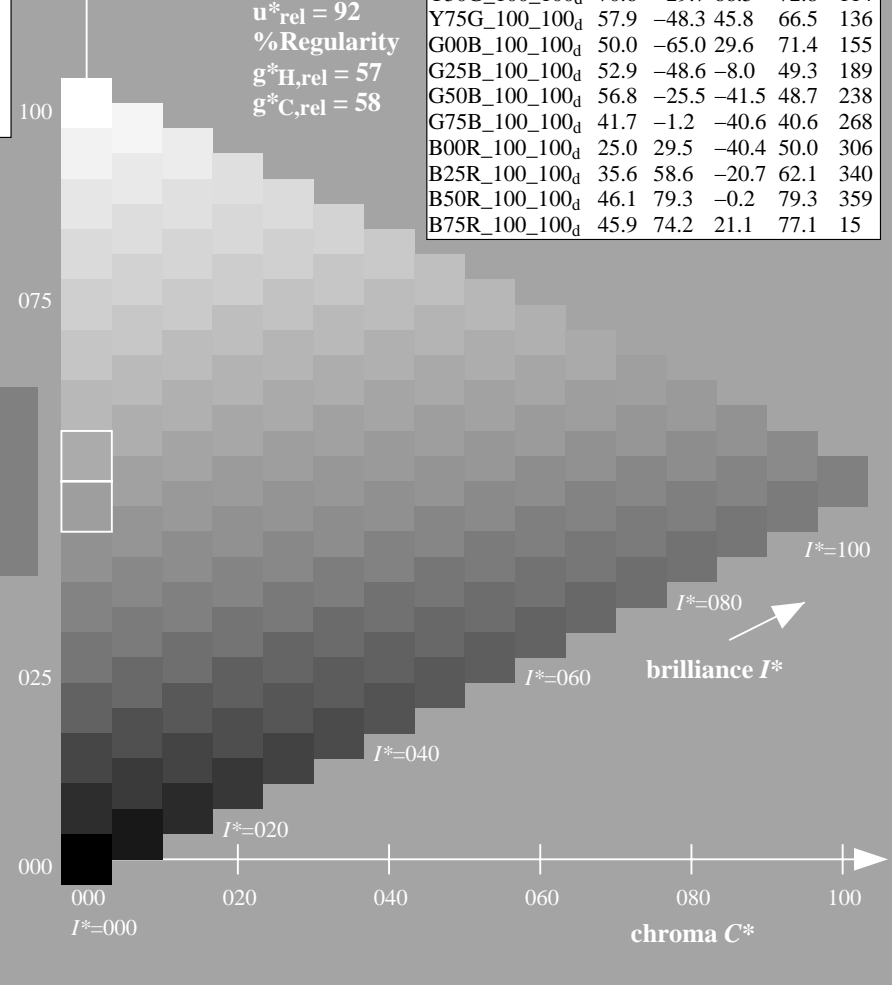
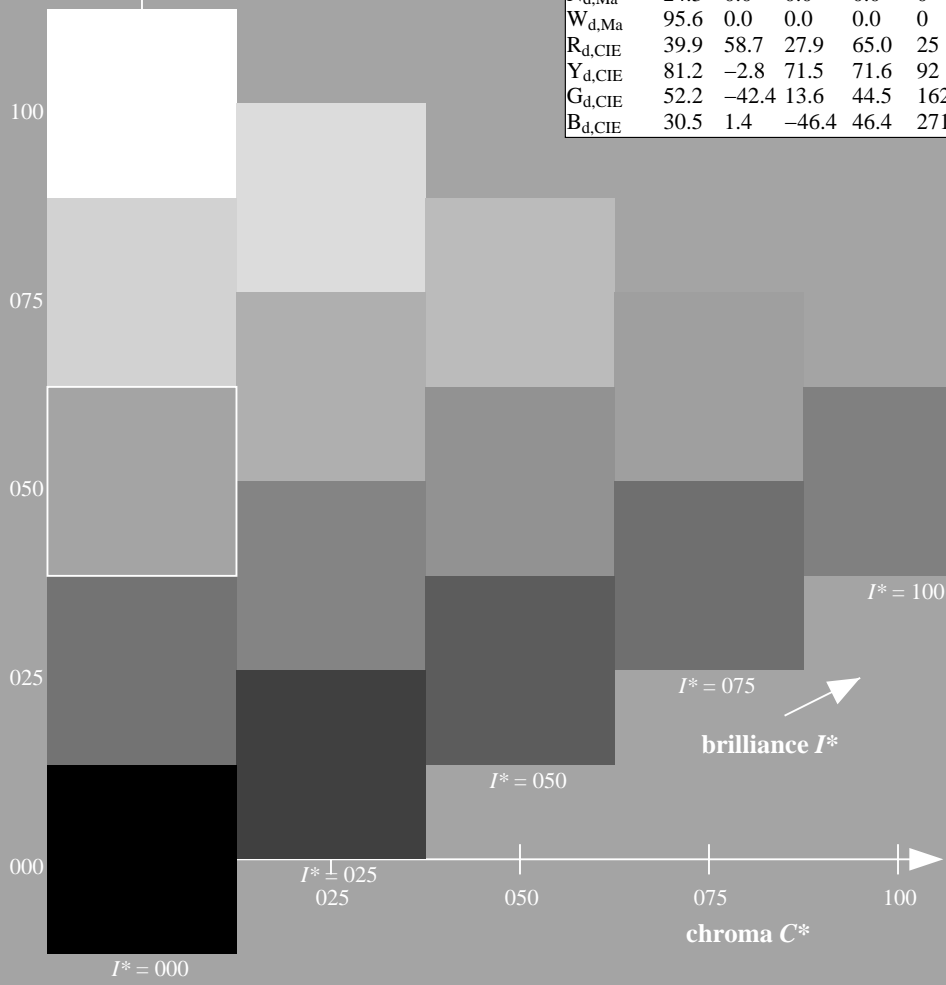
0.0 1.0 0.5 1.0 1.0

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



see similar files: <http://130.149.60.45/~farbmetrik/QE87/QE87L0FA.TXT> /PS
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-QE87/QE87L0FA.TXT /PS
application for measurement of offset print output, separation cmy0* (CMY0)
TUB material: code=rh4ta

1-103431-L0 QE870-72

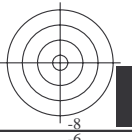
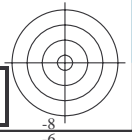
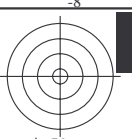
TUB-test chart QE87; hue code: $H^*_d=G25B_d$
Test chart according to DIN 33872, 3D=1, de=0, $cmy0^*$

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

1-103431-F0

TUB registration: 20130201-QE87/QE87L0FA.TXT /.PS TUB material: code=rh4ta
application for measurement of offset print output, separation $cmY0^*$ (CMY0)

see similar files: <http://130.149.60.45/~farbmetrik/QE87/QE87.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>



1-103531-L0 QE870-72

TUB-test chart QE87; hue code: $H_d^* = G25B_d$
Test chart according to DIN 33872, 3D=1, $de=0$, $cmY0^*$

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

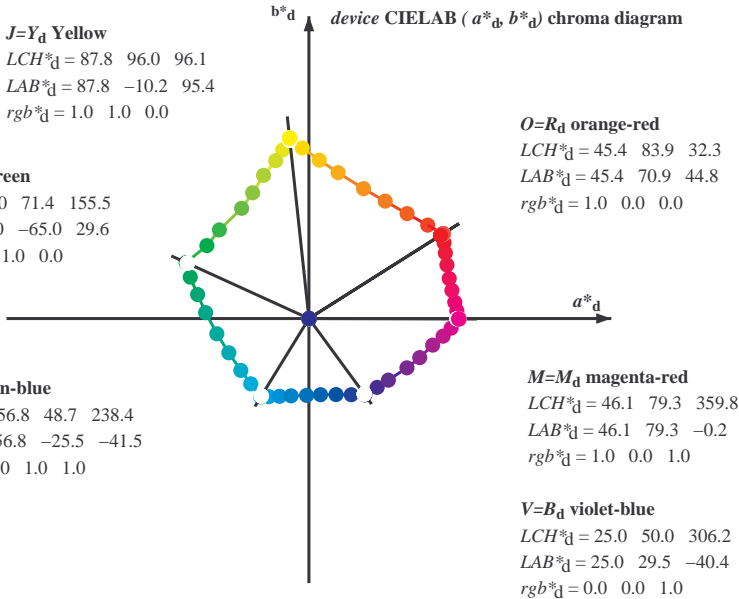


Data of Maximum color M in colorimetric system Offset standard print; separation cmy0*, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGCBM_s$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$; Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

J=Y_d Yellow
 $LCH^*_d = 87.8 \ 96.0 \ 96.1$
 $LAB^*_d = 87.8 \ -10.2 \ 95.4$
 $rgb^*_d = 1.0 \ 1.0 \ 0.0$

L=G_d leaf-green
 $LCH^*_d = 50.0 \ 71.4 \ 155.5$
 $LAB^*_d = 50.0 \ -65.0 \ 29.6$
 $rgb^*_d = 0.0 \ 1.0 \ 0.0$

C=C_d cyan-blue
 $LCH^*_d = 56.8 \ 48.7 \ 238.4$
 $LAB^*_d = 56.8 \ -25.5 \ -41.5$
 $rgb^*_d = 0.0 \ 1.0 \ 1.0$



O=R_d orange-red
 $LCH^*_d = 45.4 \ 83.9 \ 32.3$
 $LAB^*_d = 45.4 \ 70.9 \ 44.8$
 $rgb^*_d = 1.0 \ 0.0 \ 0.0$

M=M_d magenta-red
 $LCH^*_d = 46.1 \ 79.3 \ 359.8$
 $LAB^*_d = 46.1 \ 79.3 \ -0.2$
 $rgb^*_d = 1.0 \ 0.0 \ 1.0$

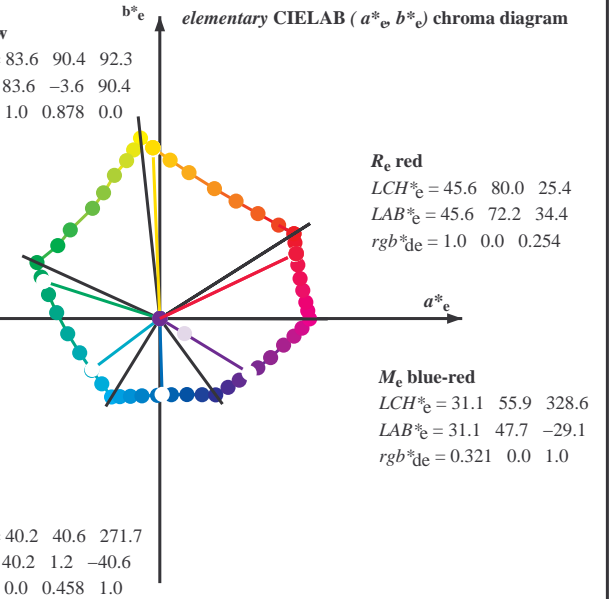
V=B_d violet-blue
 $LCH^*_d = 25.0 \ 50.0 \ 306.2$
 $LAB^*_d = 25.0 \ 29.5 \ -40.4$
 $rgb^*_d = 0.0 \ 0.0 \ 1.0$

Y_e yellow
 $LCH^*_e = 83.6 \ 90.4 \ 92.3$
 $LAB^*_e = 83.6 \ -3.6 \ 90.4$
 $rgb^*_{de} = 1.0 \ 0.878 \ 0.0$

G_e green
 $LCH^*_e = 50.6 \ 65.2 \ 162.2$
 $LAB^*_e = 50.6 \ -62.1 \ 19.9$
 $rgb^*_{de} = 0.0 \ 1.0 \ 0.151$

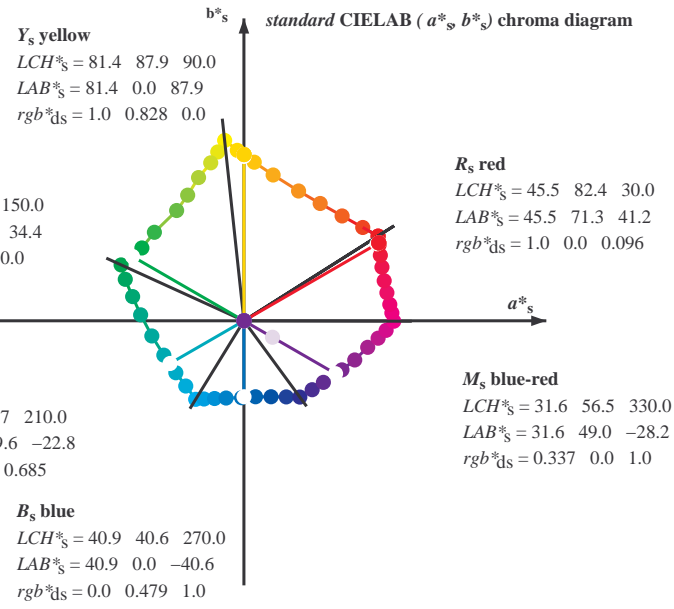
C_e blue-green
 $LCH^*_e = 55.0 \ 45.3 \ 216.9$
 $LAB^*_e = 55.0 \ -36.2 \ -27.2$
 $rgb^*_{de} = 0.0 \ 1.0 \ 0.747$

B_e blue
 $LCH^*_e = 40.2 \ 40.6 \ 271.7$
 $LAB^*_e = 40.2 \ 1.2 \ -40.6$
 $rgb^*_{de} = 0.0 \ 0.458 \ 1.0$



R_e red
 $LCH^*_e = 45.6 \ 80.0 \ 25.4$
 $LAB^*_e = 45.6 \ 72.2 \ 34.4$
 $rgb^*_{de} = 1.0 \ 0.0 \ 0.254$

M_e blue-red
 $LCH^*_e = 31.1 \ 55.9 \ 328.6$
 $LAB^*_e = 31.1 \ 47.7 \ -29.1$
 $rgb^*_{de} = 0.321 \ 0.0 \ 1.0$



Y_s yellow
 $LCH^*_s = 81.4 \ 87.9 \ 90.0$
 $LAB^*_s = 81.4 \ 0.0 \ 87.9$
 $rgb^*_{ds} = 1.0 \ 0.828 \ 0.0$

G_s green
 $LCH^*_s = 52.3 \ 68.9 \ 150.0$
 $LAB^*_s = 52.3 \ -59.6 \ 34.4$
 $rgb^*_{ds} = 0.062 \ 1.0 \ 0.0$

C_s blue-green
 $LCH^*_s = 54.5 \ 45.7 \ 210.0$
 $LAB^*_s = 54.5 \ -39.6 \ -22.8$
 $rgb^*_{ds} = 0.0 \ 1.0 \ 0.685$

B_s blue
 $LCH^*_s = 40.9 \ 40.6 \ 270.0$
 $LAB^*_s = 40.9 \ 0.0 \ -40.6$
 $rgb^*_{ds} = 0.0 \ 0.479 \ 1.0$

R_s red
 $LCH^*_s = 45.5 \ 82.4 \ 30.0$
 $LAB^*_s = 45.5 \ 71.3 \ 41.2$
 $rgb^*_{ds} = 1.0 \ 0.0 \ 0.096$

M_s blue-red
 $LCH^*_s = 31.6 \ 56.5 \ 330.0$
 $LAB^*_s = 31.6 \ 49.0 \ -28.2$
 $rgb^*_{ds} = 0.337 \ 0.0 \ 1.0$

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

- For the rgb^*_e -input values the CIELAB data LCH^*_e and LAB^*_e have been calculated.
- For the calculation of the standard hue angle $h_{ab,s}$ use for any device values rgb^*_d the equation:
$$h_{ab,s} = atan [r^*_d \ cos(30) + g^*_d \ cos(150)] / [r^*_d \ sin(30) + g^*_d \ sin(150) + b^*_d \ sin(270)] \quad (1)$$
- For the 48 or 360 equally spaced standard hue angles $h_{ab,s}$ 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:
$$h_{48ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 8 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (2)$$

$$h_{360ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (3)$$
- For the 48 or 360 elementary hue angles $h_{ab,e}$ 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:
$$h_{48ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 8 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (4)$$

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

see similar files: http://130.149.60.45/~farbmetrik/QE87/QE87L0FA.TXT /PS
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE87/QE87L0FA.TXT /PS
application for measurement of offset print output, separation cmy0* (CMY0)
TUB material: code=rh4ta

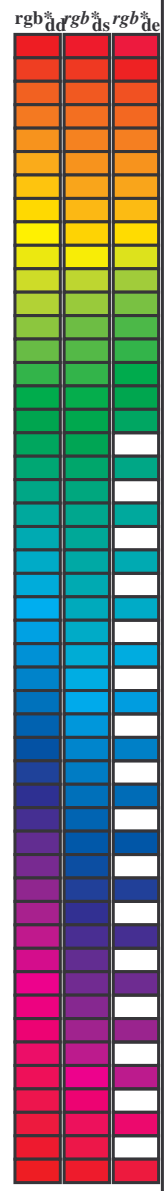
Data of maximum color M in colorimetric system Offset standard print; separation cmy0*; D65 for input or output; Six hue angles of the 60 degree standard colours RYGBCM_S: h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;
 Six hue angles of the device colours RYGBCM_d: h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8; Six hue angles of the elementary colours RYGBCM_c: 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 ^{b*}	dd64M	LAB ^{b*}	ddx64M (x=LabCh)	rgb ^{b*}	ddx361M	LAB ^{b*}	ddx361M (x=LabCh)	rgb ^{b*}	dsx361M	LAB ^{b*}	dsx361M (x=LabCh)	rgb ^{b*}	dex361M	LAB ^{b*}	dex361M
32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	1.0	0.0	0.0	45.5	70.9	44.9	83.9	32
38.1	37.5	33.8	1.0	0.125	0.0	48.9	62.8	49.4	79.9	38.1	1.0	0.1	0.0	48.7	63.4	49.1	80.2	37
46.8	45.0	42.1	1.0	0.25	0.0	53.6	51.9	55.5	76.0	46.8	1.0	0.223	0.0	52.7	54.4	54.4	76.9	45
56.9	52.5	50.5	1.0	0.375	0.0	59.1	40.3	62.0	74.0	56.9	1.0	0.313	0.0	56.5	46.2	59.1	75.0	52
67.1	60.0	58.8	1.0	0.5	0.0	64.9	28.9	68.6	74.5	67.1	1.0	0.412	0.0	60.9	37.1	64.2	74.2	60
78.6	67.5	67.2	1.0	0.625	0.0	72.1	15.4	77.1	78.6	78.6	1.0	0.498	0.0	64.8	29.1	68.6	74.5	67
86.2	75.0	75.6	1.0	0.75	0.0	77.9	5.4	83.8	84.0	86.2	1.0	0.585	0.0	69.8	20.0	74.7	77.4	75
92.1	82.5	83.9	1.0	0.875	0.0	83.4	-3.4	90.2	90.2	92.1	1.0	0.687	0.0	73.9	11.3	80.3	81.1	82
96.1	90.0	92.3	1.0	1.0	0.0	87.8	-10.2	95.4	96.0	96.1	1.0	1.0	0.0	87.8	-10.1	95.5	96.0	96
98.8	97.5	101.0	0.875	1.0	0.0	84.3	-13.9	89.2	90.3	98.8	0.883	1.0	0.0	84.6	-13.6	89.7	90.7	98
101.8	105.0	109.7	0.75	1.0	0.0	80.7	-17.5	83.5	85.3	101.8	0.75	1.0	0.0	80.8	-17.4	83.6	85.4	101
107.6	112.5	118.5	0.625	1.0	0.0	75.3	-24.0	75.7	79.4	107.6	0.633	1.0	0.0	75.7	-23.6	76.3	79.9	107
114.0	120.0	127.2	0.5	1.0	0.0	70.6	-29.7	66.5	72.8	114.0	0.5	1.0	0.0	70.6	-29.6	66.5	72.8	114
121.4	127.5	136.0	0.375	1.0	0.0	65.7	-35.6	58.3	68.3	121.4	0.383	1.0	0.0	66.1	-35.2	58.9	68.6	120
135.3	135.0	144.7	0.25	1.0	0.0	58.4	-47.3	46.8	66.6	135.3	0.25	1.0	0.0	58.4	-47.3	46.9	66.6	135
144.4	142.5	153.4	0.125	1.0	0.0	54.7	-53.9	38.5	66.3	144.4	0.133	1.0	0.0	55.0	-53.5	39.2	66.4	143
155.5	150.0	162.2	0.0	1.0	0.0	50.0	-65.0	29.6	71.4	155.5	0.0	1.0	0.0	50.1	-64.9	29.6	71.4	155
160.7	157.5	169.0	0.0	1.0	0.125	50.5	-62.8	21.9	66.5	160.7	0.0	1.0	0.117	50.5	-62.9	22.4	66.9	160
167.7	165.0	175.9	0.0	1.0	0.25	51.2	-58.9	12.7	60.3	167.7	0.0	1.0	0.25	51.2	-58.8	12.7	60.3	167
176.7	172.5	182.7	0.0	1.0	0.375	52.0	-54.5	3.1	54.6	176.7	0.0	1.0	0.367	52.0	-54.8	3.7	55.1	176
183.3	180.0	189.6	0.0	1.0	0.5	52.9	-48.6	-8.0	49.3	183.3	0.0	1.0	0.5	53.0	-48.6	-7.9	49.3	189
203.2	187.5	196.4	0.0	1.0	0.625	54.0	-42.3	-18.1	46.1	203.2	0.0	1.0	0.617	54.0	-42.8	-17.5	46.3	202
217.2	195.0	203.2	0.0	1.0	0.75	55.0	-36.0	-27.4	45.3	217.2	0.0	1.0	0.75	55.0	-35.9	-27.3	45.3	217
228.3	202.5	210.1	0.0	1.0	0.875	55.8	-30.7	-34.5	46.2	228.3	0.0	1.0	0.867	55.8	-31.0	-34.0	46.1	227
238.4	210.0	216.9	0.0	1.0	1.0	56.8	-25.5	-41.5	48.7	238.4	0.0	1.0	1.0	56.8	-25.4	-41.4	48.7	238
242.9	217.5	223.8	0.0	0.875	1.0	54.1	-21.1	-41.3	46.4	242.9	0.0	0.883	1.0	54.3	-21.4	-41.3	46.6	242
249.3	225.0	230.6	0.0	0.75	1.0	50.4	-15.5	-41.1	43.9	249.3	0.0	0.75	1.0	50.4	-15.4	-41.0	44.0	249
256.9	232.5	237.5	0.0	0.625	1.0	46.5	-9.4	-40.8	41.9	256.9	0.0	0.633	1.0	46.8	-9.8	-40.8	42.1	256
268.2	240.0	244.3	0.0	0.5	1.0	41.7	-1.2	-40.6	40.6	268.2	0.0	0.5	1.0	41.7	-1.1	-40.6	40.7	268
278.6	247.5	251.2	0.0	0.375	1.0	37.3	6.1	-40.2	40.7	278.6	0.0	0.383	1.0	37.6	5.6	-40.2	40.7	277
289.6	255.0	258.0	0.0	0.25	1.0	32.8	14.3	-40.2	42.7	289.6	0.0	0.25	1.0	32.9	14.4	-40.1	42.7	289
299.0	262.5	264.8	0.0	0.125	1.0	28.6	22.4	-40.2	46.1	299.0	0.0	0.133	1.0	28.9	21.9	-40.2	45.9	298
306.2	270.0	271.7	0.0	0.0	1.0	25.0	29.5	-40.4	50.0	306.2	0.0	0.0	1.0	25.1	29.6	-40.3	50.1	306
314.7	277.5	278.8	0.125	0.0	1.0	27.9	36.0	-36.4	51.2	314.7	0.117	0.0	1.0	27.7	35.7	-36.6	51.2	314
322.1	285.0	285.9	0.25	0.0	1.0	28.8	41.9	-32.5	53.1	322.1	0.25	0.0	1.0	28.9	42.0	-32.5	53.2	322
333.3	292.5	293.0	0.375	0.0	1.0	32.7	51.8	-26.0	58.0	333.3	0.367	0.0	1.0	32.5	51.3	-26.5	57.7	332
340.5	300.0	300.1	0.5	0.0	1.0	35.6	58.6	-20.7	62.1	340.5	0.5	0.0	1.0	35.6	58.6	-20.6	62.2	340
347.9	307.5	307.2	0.625	0.0	1.0	38.1	65.4	-14.0	66.9	347.9	0.617	0.0	1.0	37.9	65.1	-14.4	66.7	347
352.5	315.0	314.3	0.75	0.0	1.0	41.8	71.0	-9.2	71.6	352.5	0.75	0.0	1.0	41.8	71.0	-9.2	71.6	352
356.1	322.5	321.4	0.875	0.0	1.0	44.2	75.2	-5.0	75.3	356.1	0.867	0.0	1.0	44.1	74.9	-5.3	75.1	355
359.8	330.0	328.6	1.0	0.0	1.0	46.1	79.3	-0.2	79.3	359.8	1.0	0.0	1.0	46.1	79.3	-0.1	79.3	359
363.0	337.5	335.7	1.0	0.0	0.875	45.9	78.2	4.1	78.3	363.0	1.0	0.0	0.883	46.0	78.3	3.9	78.4	362
366.4	345.0	342.8	1.0	0.0	0.75	45.9	77.1	8.6	77.6	366.4	1.0	0.0	0.75	46.0	77.2	8.7	77.7	366
371.1	352.5	349.9	1.0	0.0	0.625	46.0	75.6	14.8	77.0	371.1	1.0	0.0	0.633	46.0	75.8	14.5	77.1	370
375.9	360.0	357.0	1.0	0.0	0.5	45.9	74.2	21.1	77.1	375.9	1.0	0.0	0.5	45.9	74.2	21.2	77.2	375
381.2	367.5	364.1	1.0	0.0	0.375	45.8	72.9	28.3	78.3	381.2	1.0	0.0	0.383	45.8	73.1	27.9	78.2	380
385.6	375.0	371.2	1.0	0.0	0.25	45.5	72.1	34.6	80.0	385.6	1.0	0.0	0.25	45.6	72.2	34.7	80.1	385
389.3	382.5	378.3	1.0	0.0	0.125	45.5	71.4	40.1	81.9	389.3	1.0	0.0	0.133	45.6	71.5	39.8	81.8	389
392.3	390.0	385.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	392.3	1.0	0.0	0.0	45.5	70.9	44.9	83.9	392

rgb ^{b*} _{dd}	rgb ^{b*} _{ds}	rgb ^{b*} _{de}
45.4	70.9	44.8
48.9	62.8	49.4
53.6	51.9	55.5
59.1	40.3	62.0
64.9	28.9	68.6
72.1	15.4	77.1
77.9	5.4	83.8
83.4	-3.4	90.2
87.8	-10.2	95.4
84.3	-13.9	89.2
80.7	-17.5	83.5
75.3	-24.0	75.7
70.6	-29.7	66.5
65.7	-35.6	58.3
58.4	-47.3	46.8
54.7	-53.9	38.5
50.0	-65.0	29.6
50.5	-62.8	21.9
51.2	-58.9	12.7
52.0	-54.5	3.1
52.9	-48.6	-8.0
54.0	-42.3	-18.1
55.0	-36.0	-27.4
55.8	-30.7	-34.5
56.8	-25.5	-41.5
54.1	-21.1	-41.3
50.4	-15.5	-41.1
46.5	-9.4	-40.8
41.7	-1.2	-40.6
37.3	6.1	-40.2
32.8	14.3	-40.2
28.6	22.4	-40.2
25.0	29.5	-40.4
27.9	36.0	-36.4
28.8	41.9	-32.5
32.7	51.8	-26.0
35.6	58.6	-20.7
38.1	65.4	-14.0
41.8	71.0	-9.2
44.2	75.2	-5.0
46.1	79.3	-0.2
45.9	78.2	4.1
45.9	77.1	8.6
46.0	75.6	14.8
45.9	74.2	21.1
45.8	72.9	28.3
45.5	72.1	34.6
45.5	71.4	40.1
45.4	70.9	44.8
45.5	70.9	44.9
45.5	70.9	44.9
48.7	63.4	49.1
53.7	52.0	55.5
58.8	41.1	61.7
64.9	28.9	68.7
71.6	16.5	76.7
77.9	5.5	83.9
83.9	-2.7	89.8
87.8	-10.1	95.5
84.6	-13.6	89.7
80.8	-17.4	83.6
75.7	-23.6	76.3
70.6	-29.6	66.5
66.1	-35.2	58.9
58.4	-47.3	46.9
55.0	-53.5	39.2
50.1	-64.9	29.6
50.5	-62.9	22.4
51.2	-58.8	12.7
52.0	-54.8	3.7
53.0	-48.6	-7.9
54.0	-42.8	-17.5
55.0	-35.9	-27.3
55.8	-31.0	-34.0
56.8	-25.4	-41.4
54.3	-21.4	-41.3
50.4	-15.4	-41.0
46.8	-9.8	-40.8
41.7	-1.1	-40.6
37.6	5.6	-40.2
32.9	14.4	-40.1
28.9	21.9	-40.2
25.1	29.6	-40.3
27.7	35.7	-36.6
28.9	42.0	-32.5
32.5	51.3	-26.5
35.6	58.6	-20.6
37.9	65.1	-14.4
41.8	71.0	-9.2
44.1	74.9	-5.3
46.1	79.3	-0.1
46.0	78.3	3.9
46.0	77.2	8.7
46.0	75.8	14.5
45.9	74.2	21.2

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_s: h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;
Six hue angles of the device colours RYGBM_d: h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8; Six hue angles of the elementary colours RYGBM_c: 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 ^{dd}	dd64M	LAB*	ddx64M (x=LabCh)	rgb ^{dd}	dex361M	LAB*	dex361M
32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
38.1	37.5	33.8	1.0	0.125	0.0	48.9	62.8	49.4	79.9	38.1
46.8	45.0	42.1	1.0	0.25	0.0	53.6	51.9	55.5	76.0	46.8
56.9	52.5	50.5	1.0	0.375	0.0	59.1	40.3	62.0	74.0	56.9
67.1	60.0	58.8	1.0	0.5	0.0	64.9	28.9	68.6	74.5	67.1
78.6	67.5	67.2	1.0	0.625	0.0	72.1	15.4	77.1	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
92.1	82.5	83.9	1.0	0.875	0.0	83.4	-3.4	90.2	90.2	92.1
96.1	90.0	92.3	1.0	1.0	0.0	87.8	-10.2	95.4	96.0	96.1
98.8	97.5	101.0	0.875	1.0	0.0	84.3	-13.9	89.2	90.3	98.8
101.8	105.0	109.7	0.75	1.0	0.0	80.7	-17.5	83.5	85.3	101.8
107.6	112.5	118.5	0.625	1.0	0.0	75.3	-24.0	75.7	79.4	107.6
114.0	120.0	127.2	0.5	1.0	0.0	70.6	-29.7	66.5	72.8	114.0
121.4	127.5	136.0	0.375	1.0	0.0	65.7	-35.6	58.3	68.3	121.4
135.3	135.0	144.7	0.25	1.0	0.0	58.4	-47.3	46.8	66.6	135.3
144.4	142.5	153.4	0.125	1.0	0.0	54.7	-53.9	38.5	66.3	144.4
155.5	150.0	162.2	0.0	1.0	0.0	50.0	-65.0	29.6	71.4	155.5
160.7	157.5	169.0	0.0	1.0	0.125	50.5	-62.8	21.9	66.5	160.7
167.7	165.0	175.9	0.0	1.0	0.25	51.2	-58.9	12.7	60.3	167.7
176.7	172.5	182.7	0.0	1.0	0.375	52.0	-54.5	3.1	54.6	176.7
189.3	180.0	189.6	0.0	1.0	0.5	52.9	-48.6	-8.0	49.3	189.3
203.2	187.5	196.4	0.0	1.0	0.625	54.0	-42.3	-18.1	46.1	203.2
217.2	195.0	203.2	0.0	1.0	0.75	55.0	-36.0	-27.4	45.3	217.2
228.3	202.5	210.1	0.0	1.0	0.875	55.8	-30.7	-34.5	46.2	228.3
238.4	210.0	216.9	0.0	1.0	1.0	56.8	-25.5	-41.5	48.7	238.4
242.9	217.5	223.8	0.0	0.875	1.0	54.1	-21.1	-41.3	46.4	242.9
249.3	225.0	230.6	0.0	0.75	1.0	50.4	-15.5	-41.1	43.9	249.3
256.9	232.5	237.5	0.0	0.625	1.0	46.5	-9.4	-40.8	41.9	256.9
268.2	240.0	244.3	0.0	0.5	1.0	41.7	-1.2	-40.6	40.6	268.2
278.6	247.5	251.2	0.0	0.375	1.0	37.3	6.1	-40.2	40.7	278.6
289.6	255.0	258.0	0.0	0.25	1.0	32.8	14.3	-40.2	42.7	289.6
299.0	262.5	264.8	0.0	0.125	1.0	28.6	22.4	-40.2	46.1	299.0
306.2	270.0	271.7	0.0	0.0	1.0	25.0	29.5	-40.4	50.0	306.2
314.7	277.5	278.8	0.125	0.0	1.0	27.9	36.0	-36.4	51.2	314.7
322.1	285.0	285.9	0.25	0.0	1.0	28.8	41.9	-32.5	53.1	322.1
333.3	292.5	293.0	0.375	0.0	1.0	32.7	51.8	-26.0	58.0	333.3
340.5	300.0	300.1	0.5	0.0	1.0	35.6	58.6	-20.7	62.1	340.5
347.9	307.5	307.2	0.625	0.0	1.0	38.1	65.4	-14.0	66.9	347.9
352.5	315.0	314.3	0.75	0.0	1.0	41.8	71.0	-9.2	71.6	352.5
356.1	322.5	321.4	0.875	0.0	1.0	44.2	75.2	-5.0	75.3	356.1
359.8	330.0	328.6	1.0	0.0	1.0	46.1	79.3	-0.2	79.3	359.8
363.0	337.5	335.7	1.0	0.0	0.875	45.9	78.2	4.1	78.3	363.0
366.4	345.0	342.8	1.0	0.0	0.75	45.9	77.1	8.6	77.6	366.4
371.1	352.5	349.9	1.0	0.0	0.625	46.0	75.6	14.8	77.0	371.1
375.9	360.0	357.0	1.0	0.0	0.5	45.9	74.2	21.1	77.1	375.9
381.2	367.5	364.1	1.0	0.0	0.375	45.8	72.9	28.3	78.3	381.2
385.6	375.0	371.2	1.0	0.0	0.25	45.6	72.1	34.6	80.0	385.6
389.3	382.5	378.3	1.0	0.0	0.125	45.5	71.4	40.1	81.9	389.3
392.3	390.0	385.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	392.3



see similar files: http://130.149.60.45/~farbmetrik/QE87/QE87L0FA.TXT /PS
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE87/QE87L0FA.TXT /PS
application for measurement of offset print output, separation cmy0* (CMY0)
TUB material: code=rh4ta

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

h _{ab,d}	h _{ab,s}	h _{ab,e}	rgb* dd361M	LAB* dxx361Mi (x=LabCh)	R _d	rgb* ds361Mi	LAB* dsx361Mi (x=LabCh)	R _s	rgb* dd361Mi	LAB* de361Mi	LAB* dex361Mi (x=LabCh)	rgb* dd361Mi	R _e	rgb* dd361Mi	rgb* dd	rgb* ds	rgb* de
32	30	25	1.0 0.0 0.0	45.4 70.9 44.8 83.9 32	1.0	1.0 0.0 0.096	45.5 71.4 41.2 82.4 30	1.0	1.0 0.0 0.0	1.0 0.0 0.255	45.7 72.2 34.4 80.0 25	1.0	1.0 0.0 0.0				
33	31	26	1.0 0.016	45.9 69.8 45.5 83.4 33	1.0	1.0 0.0 0.055	45.5 71.2 42.8 83.1 31	1.0	1.0 0.017	1.0 0.0 0.218	45.6 72.0 36.1 80.6 26	1.0	1.0 0.017				
33	32	27	1.0 0.033	46.3 68.8 46.1 82.8 33	1.0	1.0 0.0 0.013	45.5 71.0 44.4 83.7 32	1.0	1.0 0.033	1.0 0.0 0.18	45.6 71.8 37.7 81.1 27	1.0	1.0 0.033				
34	33	28	1.0 0.05	46.8 67.7 46.8 82.3 34	1.0	1.0 0.015	45.9 70.0 45.5 83.5 33	1.0	1.0 0.05	1.0 0.0 0.142	45.6 71.6 39.4 81.7 28	1.0	1.0 0.05				
35	34	29	1.0 0.066	47.3 66.6 47.4 81.8 35	1.0	1.0 0.036	46.5 68.6 46.3 82.8 34	1.0	1.0 0.067	1.0 0.0 0.099	45.5 71.4 41.1 82.4 29	1.0	1.0 0.067				
36	35	31	1.0 0.083	47.7 65.5 48.0 81.2 36	1.0	1.0 0.057	47.1 67.3 47.1 82.1 35	1.0	1.0 0.083	1.0 0.0 0.053	45.5 71.2 42.9 83.1 31	1.0	1.0 0.083				
36	36	32	1.0 0.1	48.2 64.4 48.5 80.7 36	1.0	1.0 0.079	47.6 65.9 47.9 81.4 36	1.0	1.0 0.1	1.0 0.0 0.006	45.5 71.0 44.6 83.8 32	1.0	1.0 0.1				
37	37	33	1.0 0.116	48.6 63.3 49.1 80.2 37	1.0	1.0 0.1	48.2 64.5 48.6 80.7 37	1.0	1.0 0.117	1.0 0.021	46.0 69.6 45.7 83.3 33	1.0	1.0 0.117				
38	38	34	1.0 0.133	49.2 62.1 49.8 79.6 38	1.0	1.0 0.121	48.8 63.1 49.3 80.1 38	1.0	1.0 0.133	1.0 0.044	46.7 68.1 46.6 82.5 34	1.0	1.0 0.133				
39	39	35	1.0 0.15	49.8 60.7 50.7 79.1 39	1.0	1.0 0.137	49.4 61.8 50.1 79.6 39	1.0	1.0 0.15	1.0 0.068	47.4 66.6 47.5 81.8 35	1.0	1.0 0.15				
41	40	36	1.0 0.166	50.5 59.2 51.6 78.6 41	1.0	1.0 0.151	49.9 60.6 50.9 79.1 40	1.0	1.0 0.167	1.0 0.092	48.0 65.0 48.3 81.0 36	1.0	1.0 0.167				
42	41	37	1.0 0.183	51.1 57.8 52.5 78.1 42	1.0	1.0 0.166	50.5 59.4 51.6 78.7 41	1.0	1.0 0.183	1.0 0.116	48.7 63.5 49.1 80.2 37	1.0	1.0 0.183				
43	42	38	1.0 0.2	51.7 56.3 53.3 77.5 43	1.0	1.0 0.18	51.0 58.1 52.3 78.2 42	1.0	1.0 0.2	1.0 0.135	49.3 62.0 49.9 79.6 38	1.0	1.0 0.2				
44	43	39	1.0 0.216	52.4 54.9 54.0 77.0 44	1.0	1.0 0.194	51.6 56.9 53.0 77.8 43	1.0	1.0 0.217	1.0 0.151	49.9 60.7 50.8 79.1 39	1.0	1.0 0.217				
45	44	41	1.0 0.233	53.0 53.4 54.8 76.5 45	1.0	1.0 0.209	52.1 55.6 53.7 77.3 44	1.0	1.0 0.233	1.0 0.167	50.5 59.3 51.7 78.6 41	1.0	1.0 0.233				
46	45	42	1.0 0.25	53.6 51.9 55.5 76.0 46	1.0	1.0 0.223	52.7 54.4 54.4 76.9 45	1.0	1.0 0.25	1.0 0.183	51.1 57.9 52.5 78.1 42	1.0	1.0 0.25				
48	46	43	1.0 0.266	54.4 50.4 56.5 75.7 48	1.0	1.0 0.237	53.2 53.1 55.0 76.4 46	1.0	1.0 0.267	1.0 0.198	51.7 56.5 53.2 77.6 43	1.0	1.0 0.267				
49	47	44	1.0 0.283	55.1 48.9 57.4 75.4 49	1.0	1.0 0.251	53.7 51.8 55.6 76.0 47	1.0	1.0 0.283	1.0 0.214	52.3 55.1 54.0 77.1 44	1.0	1.0 0.283				
50	48	45	1.0 0.3	55.8 47.4 58.4 75.2 50	1.0	1.0 0.264	54.3 50.7 56.3 75.8 48	1.0	1.0 0.3	1.0 0.23	52.9 53.7 54.7 76.6 45	1.0	1.0 0.3				
52	49	46	1.0 0.316	56.6 45.8 59.2 74.9 52	1.0	1.0 0.276	54.8 49.6 57.1 75.6 49	1.0	1.0 0.317	1.0 0.246	53.5 52.3 55.4 76.1 46	1.0	1.0 0.317				
53	50	47	1.0 0.333	57.3 44.2 60.1 74.6 53	1.0	1.0 0.288	55.4 48.5 57.8 75.4 50	1.0	1.0 0.333	1.0 0.261	54.2 51.0 56.2 75.9 47	1.0	1.0 0.333				
54	51	48	1.0 0.35	58.0 42.7 60.9 74.4 54	1.0	1.0 0.301	55.9 47.3 58.5 75.2 51	1.0	1.0 0.35	1.0 0.274	54.8 49.8 57.0 75.6 48	1.0	1.0 0.35				
56	52	49	1.0 0.366	58.8 41.1 61.7 74.1 56	1.0	1.0 0.313	56.5 46.2 59.1 75.0 52	1.0	1.0 0.367	1.0 0.288	55.4 48.5 57.8 75.4 49	1.0	1.0 0.367				
57	53	51	1.0 0.383	59.5 39.5 62.5 74.0 57	1.0	1.0 0.326	57.0 45.0 59.8 74.8 53	1.0	1.0 0.383	1.0 0.302	56.0 47.2 58.5 75.2 51	1.0	1.0 0.383				
59	54	52	1.0 0.4	60.3 38.1 63.5 74.1 59	1.0	1.0 0.338	57.6 43.9 60.4 74.6 54	1.0	1.0 0.4	1.0 0.316	56.6 45.9 59.3 75.0 52	1.0	1.0 0.4				
60	55	53	1.0 0.416	61.0 36.6 64.5 74.1 60	1.0	1.0 0.35	58.1 42.7 61.0 74.4 55	1.0	1.0 0.417	1.0 0.33	57.2 44.6 60.0 74.8 53	1.0	1.0 0.417				
61	56	54	1.0 0.433	61.8 35.1 65.4 74.2 61	1.0	1.0 0.363	58.6 41.5 61.5 74.2 56	1.0	1.0 0.433	1.0 0.343	57.8 43.3 60.6 74.5 54	1.0	1.0 0.433				
63	57	55	1.0 0.45	62.6 33.6 66.2 74.3 63	1.0	1.0 0.375	59.2 40.3 62.1 74.0 57	1.0	1.0 0.45	1.0 0.357	58.4 42.0 61.3 74.3 55	1.0	1.0 0.45				
64	58	56	1.0 0.466	63.3 32.0 67.1 74.4 64	1.0	1.0 0.387	59.8 39.3 62.8 74.1 58	1.0	1.0 0.467	1.0 0.371	59.0 40.7 61.9 74.1 56	1.0	1.0 0.467				
65	59	57	1.0 0.483	64.1 30.5 67.9 74.4 65	1.0	1.0 0.4	60.3 38.2 63.5 74.1 59	1.0	1.0 0.483	1.0 0.385	59.6 39.5 62.7 74.1 57	1.0	1.0 0.483				
67	60	58	1.0 0.5	64.9 28.9 68.6 74.5 67	1.0	1.0 0.412	60.9 37.1 64.2 74.2 60	1.0	1.0 0.5	1.0 0.398	60.3 38.3 63.5 74.1 58	1.0	1.0 0.5				
68	61	60	1.0 0.516	65.8 27.2 69.9 75.0 68	1.0	1.0 0.424	61.4 36.0 64.9 74.2 61	1.0	1.0 0.517	1.0 0.412	60.9 37.1 64.2 74.2 60	1.0	1.0 0.517				
70	62	61	1.0 0.533	66.8 25.5 71.1 75.6 70	1.0	1.0 0.436	62.0 34.9 65.6 74.3 62	1.0	1.0 0.533	1.0 0.426	61.5 35.8 65.0 74.2 61	1.0	1.0 0.533				
71	63	62	1.0 0.55	67.7 23.8 72.3 76.1 71	1.0	1.0 0.449	62.6 33.7 66.2 74.3 63	1.0	1.0 0.55	1.0 0.439	62.1 34.6 65.7 74.3 62	1.0	1.0 0.55				
73	64	63	1.0 0.566	68.7 22.0 73.5 76.7 73	1.0	1.0 0.461	63.1 32.6 66.9 74.4 64	1.0	1.0 0.567	1.0 0.453	62.8 33.3 66.4 74.3 63	1.0	1.0 0.567				
74	65	64	1.0 0.583	69.7 20.2 74.6 77.3 74	1.0	1.0 0.473	63.7 31.5 67.5 74.4 65	1.0	1.0 0.583	1.0 0.467	63.4 32.1 67.1 74.4 64	1.0	1.0 0.583				
76	66	65	1.0 0.6	70.6 18.3 75.6 77.8 76	1.0	1.0 0.486	64.2 30.3 68.0 74.5 66	1.0	1.0 0.6	1.0 0.48	64.0 30.8 67.8 74.5 65	1.0	1.0 0.6				
77	67	66	1.0 0.616	71.6 16.4 76.6 78.4 77	1.0	1.0 0.498	64.8 29.1 68.6 74.5 67	1.0	1.0 0.617	1.0 0.494	64.6 29.5 68.4 74.5 66	1.0	1.0 0.617				
79	68	67	1.0 0.633	72.5 14.8 77.6 79.0 79	1.0	1.0 0.509	65.4 28.0 69.4 74.8 68	1.0	1.0 0.633	1.0 0.507	65.3 28.2 69.2 74.8 67	1.0	1.0 0.633				
80	69	68	1.0 0.65	73.2 13.6 78.5 79.7 80	1.0	1.0 0.52	66.1 26.9 70.2 75.2 69	1.0	1.0 0.65	1.0 0.519	66.0 27.0 70.1 75.2 68	1.0	1.0 0.65				
81	70	70	1.0 0.666	74.0 12.3 79.5 80.4 81	1.0	1.0 0.531	66.7 25.8 71.0 75.6 70	1.0	1.0 0.667	1.0 0.531	66.7 25.8 71.0 75.6 70	1.0	1.0 0.667				
82	71	71	1.0 0.683	74.8 11.0 80.4 81.1 82	1.0	1.0 0.542	67.3 24.7 71.8 75.9 71	1.0	1.0 0.683	1.0 0.543	67.4 24.6 71.9 76.0 71	1.0	1.0 0.683				
83	72	72	1.0 0.7	75.6 9.6 81.3 81.9 83	1.0	1.0 0.553	67.9 23.6 72.6 76.3 72	1.0	1.0 0.7	1.0 0.555	68.1 23.3 72.8 76.4 72	1.0	1.0 0.7				
84	73	73	1.0 0.716	76.3 8.3 82.2 82.6 84	1.0	1.0 0.564	68.6 22.4 73.3 76.6 73	1.0	1.0 0.717	1.0 0.568	68.8 22.0 73.6 76.8 73	1.0	1.0 0.717				
85	74	74	1.0 0.733	77.1 6.9 83.0 83.3 85	1.0	1.0 0.574	69.2 21.2 74.0 77.0 74	1.0	1.0 0.733	1.0 0.58	69.5 20.6 74.4 77.2 74	1.0	1.0 0.733				
86	75	75	1.0 0.75	77.9 5.4 83.8 84.0 86	1.0	1.0 0.585	69.8 20.0 74.7 77.4 75	1.0	1.0 0.75	1.0 0.592	70.2 19.3 75.2 77.6 75	1.0	1.0 0.75				

see similar files: <http://130.149.60.45/~farbmetrik/QE87/QE87L0FA.TXT> /PS
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-QE87/QE87L0FA.TXT /PS
application for measurement of offset print output, separation cmy0* (CMY0)
TUB material: code=rha4ta

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 *RYGCBM_s*: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
 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*: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}	$LAB^*_{ddx361M}(x=LabCh)$	$rgb^*_{ds361Mi}$	$LAB^*_{dsx361Mi}(x=LabCh)$	$rgb^*_{dd361Mi}$	$LAB^*_{de361Mi}$	$rgb^*_{dex361Mi}(x=LabCh)$	$rgb^*_{dd361Mi}$	Y_d	Y_s	Y_e																			
86	75	75	1.0	0.75	0.0	77.9	5.4	83.8	84.0	86	1.0	0.585	0.0	69.8	20.0	74.7	77.4	75	1.0	0.75	0.0	1.0	0.592	0.0	70.2	19.3	75.2	77.6	75	1.0	0.75	0.0
87	76	76	1.0	0.766	0.0	78.6	4.3	84.7	84.8	87	1.0	0.596	0.0	70.5	18.8	75.4	77.7	76	1.0	0.767	0.0	1.0	0.604	0.0	70.9	17.9	75.9	78.0	76	1.0	0.767	0.0
87	77	77	1.0	0.783	0.0	79.4	3.2	85.6	85.7	87	1.0	0.607	0.0	71.1	17.6	76.1	78.1	77	1.0	0.783	0.0	1.0	0.616	0.0	71.6	16.5	76.6	78.4	77	1.0	0.783	0.0
88	78	78	1.0	0.8	0.0	80.1	2.0	86.5	86.5	88	1.0	0.618	0.0	71.7	16.3	76.7	78.5	78	1.0	0.8	0.0	1.0	0.63	0.0	72.4	15.1	77.4	78.9	78	1.0	0.8	0.0
89	79	80	1.0	0.816	0.0	80.8	0.8	87.3	87.3	89	1.0	0.631	0.0	72.4	15.1	77.5	78.9	79	1.0	0.817	0.0	1.0	0.648	0.0	73.2	13.8	78.5	79.7	80	1.0	0.817	0.0
90	80	81	1.0	0.833	0.0	81.6	-0.3	88.2	88.2	90	1.0	0.647	0.0	73.2	13.8	78.4	79.6	80	1.0	0.833	0.0	1.0	0.667	0.0	74.1	12.3	79.5	80.5	81	1.0	0.833	0.0
91	81	82	1.0	0.85	0.0	82.3	-1.5	89.0	89.0	91	1.0	0.664	0.0	73.9	12.6	79.4	80.4	81	1.0	0.85	0.0	1.0	0.685	0.0	74.9	10.9	80.5	81.3	82	1.0	0.85	0.0
91	82	83	1.0	0.866	0.0	83.1	-2.8	89.8	89.8	91	1.0	0.68	0.0	74.7	11.3	80.3	81.1	82	1.0	0.867	0.0	1.0	0.703	0.0	75.8	9.4	81.5	82.0	83	1.0	0.867	0.0
92	83	84	1.0	0.883	0.0	83.7	-3.8	90.5	90.6	92	1.0	0.697	0.0	75.5	10.0	81.2	81.8	83	1.0	0.883	0.0	1.0	0.721	0.0	76.6	7.9	82.4	82.8	84	1.0	0.883	0.0
92	84	85	1.0	0.9	0.0	84.3	-4.7	91.3	91.4	92	1.0	0.713	0.0	76.2	8.6	82.0	82.5	84	1.0	0.9	0.0	1.0	0.74	0.0	77.5	6.4	83.4	83.6	85	1.0	0.9	0.0
93	85	86	1.0	0.916	0.0	84.9	-5.6	92.0	92.2	93	1.0	0.729	0.0	77.0	7.2	82.9	83.2	85	1.0	0.917	0.0	1.0	0.76	0.0	78.4	4.8	84.4	84.6	86	1.0	0.917	0.0
94	86	87	1.0	0.933	0.0	85.5	-6.5	92.7	92.9	94	1.0	0.746	0.0	77.7	5.9	83.7	83.9	86	1.0	0.933	0.0	1.0	0.784	0.0	79.4	3.2	85.7	85.7	87	1.0	0.933	0.0
94	87	88	1.0	0.95	0.0	86.0	-7.4	93.4	93.7	94	1.0	0.766	0.0	78.6	4.4	84.7	84.8	87	1.0	0.95	0.0	1.0	0.807	0.0	80.5	1.6	86.9	86.9	88	1.0	0.95	0.0
95	88	90	1.0	0.966	0.0	86.6	-8.3	94.1	94.5	95	1.0	0.787	0.0	79.6	3.0	85.8	85.9	88	1.0	0.967	0.0	1.0	0.831	0.0	81.5	0.0	88.1	88.1	90	1.0	0.967	0.0
95	89	91	1.0	0.983	0.0	87.2	-9.2	94.8	95.2	95	1.0	0.808	0.0	80.5	1.5	86.9	86.9	89	1.0	0.983	0.0	1.0	0.854	0.0	82.6	-1.8	89.2	89.3	91	1.0	0.983	0.0
96	90	92	1.0	1.0	0.0	87.8	-10.2	95.4	96.0	96	1.0	0.829	0.0	81.4	0.0	88.0	88.0	90	1.0	1.0	0.0	1.0	0.879	0.0	83.6	-3.6	90.4	90.5	92	1.0	1.0	0.0
96	91	93	0.983	1.0	0.0	87.3	-10.7	94.6	95.2	96	1.0	0.85	0.0	82.4	-1.5	89.0	89.0	91	0.983	1.0	0.0	1.0	0.916	0.0	84.9	-5.5	92.0	92.2	93	0.983	1.0	0.0
96	92	94	0.966	1.0	0.0	86.8	-11.2	93.8	94.5	96	1.0	0.871	0.0	83.3	-3.0	90.0	90.1	92	0.967	1.0	0.0	1.0	0.953	0.0	86.2	-7.5	93.6	93.9	94	0.967	1.0	0.0
97	93	95	0.95	1.0	0.0	86.4	-11.7	93.0	93.7	97	1.0	0.901	0.0	84.4	-4.7	91.4	91.5	93	0.95	1.0	0.0	1.0	0.99	0.0	87.5	-9.6	95.1	95.6	95	0.95	1.0	0.0
97	94	96	0.933	1.0	0.0	85.9	-12.2	92.2	93.0	97	1.0	0.933	0.0	85.5	-6.4	92.7	93.0	94	0.933	1.0	0.0	0.961	1.0	0.0	86.7	-11.3	93.6	94.3	96	0.933	1.0	0.0
97	95	98	0.916	1.0	0.0	85.5	-12.7	91.3	92.2	97	1.0	0.965	0.0	86.6	-8.1	94.1	94.4	95	0.917	1.0	0.0	0.907	1.0	0.0	85.3	-12.9	90.9	91.8	98	0.917	1.0	0.0
98	96	99	0.9	1.0	0.0	85.0	-13.2	90.5	91.5	98	1.0	0.997	0.0	87.7	-9.9	95.4	95.9	96	0.9	1.0	0.0	0.856	1.0	0.0	83.8	-14.4	88.4	89.6	99	0.9	1.0	0.0
98	97	100	0.883	1.0	0.0	84.5	-13.6	89.7	90.7	98	0.959	1.0	0.0	86.7	-11.4	93.5	94.2	97	0.883	1.0	0.0	0.807	1.0	0.0	82.4	-15.8	86.2	87.7	100	0.883	1.0	0.0
99	98	101	0.866	1.0	0.0	84.1	-14.1	88.9	90.0	99	0.914	1.0	0.0	85.4	-12.7	91.2	92.1	98	0.867	1.0	0.0	0.759	1.0	0.0	81.0	-17.2	84.0	85.7	101	0.867	1.0	0.0
99	99	102	0.85	1.0	0.0	83.6	-14.6	88.1	89.3	99	0.869	1.0	0.0	84.2	-14.0	89.0	90.1	99	0.85	1.0	0.0	0.729	1.0	0.0	79.9	-18.6	82.3	84.4	102	0.85	1.0	0.0
99	100	103	0.833	1.0	0.0	83.1	-15.1	87.4	88.7	99	0.827	1.0	0.0	83.0	-15.3	87.1	88.5	100	0.833	1.0	0.0	0.704	1.0	0.0	78.8	-20.0	80.8	83.2	103	0.833	1.0	0.0
100	101	105	0.816	1.0	0.0	82.6	-15.6	86.6	88.0	100	0.785	1.0	0.0	81.8	-16.5	85.2	86.8	101	0.817	1.0	0.0	0.679	1.0	0.0	77.7	-21.3	79.2	82.0	105	0.817	1.0	0.0
100	102	106	0.8	1.0	0.0	82.2	-16.1	85.8	87.3	100	0.747	1.0	0.0	80.6	-17.6	83.4	85.2	102	0.8	1.0	0.0	0.654	1.0	0.0	76.6	-22.6	77.6	80.8	106	0.8	1.0	0.0
101	103	107	0.783	1.0	0.0	81.7	-16.6	85.1	86.7	101	0.725	1.0	0.0	79.7	-18.8	82.0	84.2	103	0.783	1.0	0.0	0.628	1.0	0.0	75.5	-23.8	76.0	79.6	107	0.783	1.0	0.0
101	104	108	0.766	1.0	0.0	81.2	-17.0	84.3	86.0	101	0.703	1.0	0.0	78.7	-20.0	80.7	83.2	104	0.767	1.0	0.0	0.605	1.0	0.0	74.6	-25.0	74.3	78.4	108	0.767	1.0	0.0
101	105	109	0.75	1.0	0.0	80.7	-17.5	83.5	85.3	101	0.682	1.0	0.0	77.8	-21.2	79.4	82.2	105	0.75	1.0	0.0	0.583	1.0	0.0	73.7	-26.1	72.7	77.3	109	0.75	1.0	0.0
102	106	110	0.733	1.0	0.0	80.0	-18.4	82.5	84.6	102	0.66	1.0	0.0	76.8	-22.3	78.0	81.1	106	0.733	1.0	0.0	0.56	1.0	0.0	72.9	-27.1	71.0	76.1	110	0.733	1.0	0.0
103	107	112	0.716	1.0	0.0	79.3	-19.3	81.5	83.8	103	0.638	1.0	0.0	75.9	-23.3	76.6	80.1	107	0.717	1.0	0.0	0.538	1.0	0.0	72.0	-28.1	69.3	74.9	112	0.717	1.0	0.0
104	108	113	0.7	1.0	0.0	78.5	-20.2	80.5	83.0	104	0.617	1.0	0.0	75.0	-24.3	75.2	79.1	108	0.7	1.0	0.0	0.515	1.0	0.0	71.2	-29.0	67.7	73.7	113	0.7	1.0	0.0
104	109	114	0.683	1.0	0.0	77.8	-21.1	79.4	82.2	104	0.598	1.0	0.0	74.3	-25.3	73.8	78.1	109	0.683	1.0	0.0	0.494	1.0	0.0	70.4	-30.0	66.1	72.6	114	0.683	1.0	0.0
105	110	115	0.666	1.0	0.0	77.1	-22.0	78.4	81.4	105	0.579	1.0	0.0	73.6	-26.2	72.4	77.0	110	0.667	1.0	0.0	0.474	1.0	0.0	69.6	-31.0	64.8	71.9	115	0.667	1.0	0.0
106	111	116	0.65	1.0	0.0	76.4	-22.8	77.3	80.6	106	0.559	1.0	0.0	72.9	-27.1	71.0	76.0	111	0.65	1.0	0.0	0.454	1.0	0.0	68.8	-32.0	63.5	71.2	116	0.65	1.0	0.0
107	112	117	0.633	1.0	0.0	75.6	-23.6	76.2	79.8	107	0.54	1.0	0.0	72.1	-28.0	69.5	75.0	112	0.633	1.0	0.0	0.434	1.0	0.0	68.0	-32.9	62.2	70.5	117	0.633	1.0	0.0
108	113	119	0.616	1.0	0.0	75.0	-24.4	75.1	79.0	108	0.521	1.0	0.0	71.4	-28.8	68.1	74.0	113	0.617	1.0	0.0	0.414	1.0	0.0	67.3	-33.8	60.9	69.7	119	0.617	1.0	0.0
108	114	120	0.6	1.0	0.0	74.3	-25.3	73.9	78.1	108	0.501	1.0	0.0	70.7	-29.6	66.6	72.9	114	0.6	1.0	0.0	0.394	1.0	0.0	66.5	-34.7	59.6	69.0	120	0.6	1.0	0.0
109	115	121	0.583	1.0	0.0	73.7	-26.1	72.7	77.2	109	0.484	1.0	0.0	70.0	-30.4	65.5	72.3	115	0.583	1.0	0.0	0.375	1.0	0.0	65.7	-35.5	58.3	68.3	12			

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_S: h_{ab,ds} = 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}	rgb* _{dd361M}	LAB* _{ddx361Mi (x=LabCh)}	rgb* _{ds361Mi}	LAB* _{dsx361Mi (x=LabCh)}	rgb* _{dd361Mi}	LAB* _{dex361Mi (x=LabCh)}	rgb* _{dd361Mi}	LAB* _{dex361Mi (x=LabCh)}	rgb* _{dd361Mi}	LAB* _{dex361Mi (x=LabCh)}	rgb* _{dd361Mi}	LAB* _{dex361Mi (x=LabCh)}	rgb* _{dd361Mi}	LAB* _{dex361Mi (x=LabCh)}	rgb* _{dd361Mi}	LAB* _{dex361Mi (x=LabCh)}	rgb* _{dd361Mi}	LAB* _{dex361Mi (x=LabCh)}	rgb* _{dd361Mi}	LAB* _{dex361Mi (x=LabCh)}																													
114	120	127	0.5	1.0	0.0	70.6	-29.7	66.5	72.8	114	0.399	1.0	0.0	66.7	-34.5	59.9	69.2	120	0.5	1.0	0.0	62.6	-40.8	53.8	67.6	127	0.5	1.0	0.0	0.322	1.0	0.0	62.0	-41.8	52.9	67.5	128	0.483	1.0	0.0	0.312	1.0	0.0	62.0	-41.8	52.9	67.5	128	0.483	1.0	0.0
115	121	128	0.483	1.0	0.0	69.9	-30.5	65.4	72.2	115	0.382	1.0	0.0	66.0	-35.2	58.8	68.6	121	0.483	1.0	0.0	62.0	-41.8	52.9	67.5	128	0.483	1.0	0.0	0.301	1.0	0.0	61.4	-42.8	51.9	67.3	129	0.466	1.0	0.0	0.301	1.0	0.0	61.4	-42.8	51.9	67.3	129	0.466	1.0	0.0
116	122	129	0.466	1.0	0.0	69.3	-31.4	64.3	71.6	116	0.37	1.0	0.0	65.4	-36.1	57.9	68.3	122	0.467	1.0	0.0	60.8	-43.8	50.9	67.2	130	0.45	1.0	0.0	0.291	1.0	0.0	60.8	-43.8	50.9	67.2	130	0.45	1.0	0.0	0.291	1.0	0.0	60.8	-43.8	50.9	67.2	130	0.45	1.0	0.0
117	123	130	0.45	1.0	0.0	68.6	-32.2	63.2	71.0	117	0.361	1.0	0.0	64.9	-37.0	57.1	68.1	123	0.45	1.0	0.0	60.2	-44.7	49.9	67.0	131	0.433	1.0	0.0	0.28	1.0	0.0	60.2	-44.7	49.9	67.0	131	0.433	1.0	0.0	0.28	1.0	0.0	60.2	-44.7	49.9	67.0	131	0.433	1.0	0.0
117	124	131	0.433	1.0	0.0	68.0	-33.0	62.1	70.4	117	0.352	1.0	0.0	64.4	-37.9	56.4	68.0	124	0.433	1.0	0.0	59.6	-45.6	48.9	66.9	133	0.417	1.0	0.0	0.27	1.0	0.0	59.6	-45.6	48.9	66.9	133	0.417	1.0	0.0	0.27	1.0	0.0	59.6	-45.6	48.9	66.9	133	0.417	1.0	0.0
118	125	133	0.416	1.0	0.0	67.3	-33.8	61.0	69.8	118	0.343	1.0	0.0	63.8	-38.8	55.6	67.9	125	0.417	1.0	0.0	59.0	-46.5	47.8	66.8	134	0.4	1.0	0.0	0.259	1.0	0.0	59.0	-46.5	47.8	66.8	134	0.4	1.0	0.0	0.259	1.0	0.0	59.0	-46.5	47.8	66.8	134	0.4	1.0	0.0
119	126	134	0.4	1.0	0.0	66.7	-34.5	59.9	69.2	119	0.334	1.0	0.0	63.3	-39.7	54.8	67.8	126	0.4	1.0	0.0	58.4	-47.4	46.8	66.6	135	0.383	1.0	0.0	0.249	1.0	0.0	58.4	-47.4	46.8	66.6	135	0.383	1.0	0.0	0.249	1.0	0.0	58.4	-47.4	46.8	66.6	135	0.383	1.0	0.0
120	127	135	0.383	1.0	0.0	66.0	-35.2	58.8	68.6	120	0.325	1.0	0.0	62.8	-40.6	54.0	67.6	127	0.383	1.0	0.0	57.9	-48.3	45.8	66.6	136	0.367	1.0	0.0	0.233	1.0	0.0	57.9	-48.3	45.8	66.6	136	0.367	1.0	0.0	0.233	1.0	0.0	57.9	-48.3	45.8	66.6	136	0.367	1.0	0.0
122	128	136	0.366	1.0	0.0	65.2	-36.4	57.6	68.2	122	0.316	1.0	0.0	62.3	-41.5	53.2	67.5	128	0.367	1.0	0.0	57.4	-49.2	44.7	66.6	137	0.35	1.0	0.0	0.217	1.0	0.0	57.4	-49.2	44.7	66.6	137	0.35	1.0	0.0	0.217	1.0	0.0	57.4	-49.2	44.7	66.6	137	0.35	1.0	0.0
124	129	137	0.35	1.0	0.0	64.2	-38.2	56.2	67.9	124	0.307	1.0	0.0	61.7	-42.3	52.4	67.4	129	0.35	1.0	0.0	57.0	-50.0	43.7	66.5	138	0.333	1.0	0.0	0.201	1.0	0.0	57.0	-50.0	43.7	66.5	138	0.333	1.0	0.0	0.201	1.0	0.0	57.0	-50.0	43.7	66.5	138	0.333	1.0	0.0
126	130	138	0.333	1.0	0.0	63.2	-39.8	54.7	67.7	126	0.298	1.0	0.0	61.2	-43.1	51.5	67.3	130	0.333	1.0	0.0	56.5	-50.9	42.7	66.5	140	0.317	1.0	0.0	0.185	1.0	0.0	56.5	-50.9	42.7	66.5	140	0.317	1.0	0.0	0.185	1.0	0.0	56.5	-50.9	42.7	66.5	140	0.317	1.0	0.0
127	131	140	0.316	1.0	0.0	62.3	-41.4	53.2	67.5	127	0.289	1.0	0.0	60.7	-44.0	50.7	67.2	131	0.317	1.0	0.0	56.0	-51.7	41.6	66.5	141	0.3	1.0	0.0	0.169	1.0	0.0	56.0	-51.7	41.6	66.5	141	0.3	1.0	0.0	0.169	1.0	0.0	56.0	-51.7	41.6	66.5	141	0.3	1.0	0.0
129	132	141	0.3	1.0	0.0	61.3	-43.0	51.7	67.3	129	0.28	1.0	0.0	60.2	-44.8	49.8	67.0	132	0.3	1.0	0.0	55.5	-52.5	40.5	66.4	142	0.283	1.0	0.0	0.153	1.0	0.0	55.5	-52.5	40.5	66.4	142	0.283	1.0	0.0	0.153	1.0	0.0	55.5	-52.5	40.5	66.4	142	0.283	1.0	0.0
131	133	142	0.283	1.0	0.0	60.3	-44.5	50.1	67.0	131	0.271	1.0	0.0	59.6	-45.5	48.9	66.9	133	0.283	1.0	0.0	55.1	-53.3	39.4	66.4	143	0.267	1.0	0.0	0.137	1.0	0.0	55.1	-53.3	39.4	66.4	143	0.267	1.0	0.0	0.137	1.0	0.0	55.1	-53.3	39.4	66.4	143	0.267	1.0	0.0
133	134	143	0.266	1.0	0.0	59.3	-45.9	48.5	66.8	133	0.262	1.0	0.0	59.1	-46.3	48.0	66.8	134	0.267	1.0	0.0	54.6	-54.2	38.4	66.5	144	0.25	1.0	0.0	0.122	1.0	0.0	54.6	-54.2	38.4	66.5	144	0.25	1.0	0.0	0.122	1.0	0.0	54.6	-54.2	38.4	66.5	144	0.25	1.0	0.0
135	135	144	0.25	1.0	0.0	58.4	-47.3	46.8	66.6	135	0.253	1.0	0.0	58.6	-47.0	47.1	66.7	135	0.25	1.0	0.0	54.1	-55.4	37.6	67.0	145	0.233	1.0	0.0	0.108	1.0	0.0	54.1	-55.4	37.6	67.0	145	0.233	1.0	0.0	0.108	1.0	0.0	54.1	-55.4	37.6	67.0	145	0.233	1.0	0.0
136	136	145	0.233	1.0	0.0	57.9	-48.3	45.8	66.5	136	0.241	1.0	0.0	58.1	-47.8	46.3	66.6	136	0.233	1.0	0.0	53.6	-56.6	36.7	67.6	147	0.217	1.0	0.0	0.095	1.0	0.0	53.6	-56.6	36.7	67.6	147	0.217	1.0	0.0	0.095	1.0	0.0	53.6	-56.6	36.7	67.6	147	0.217	1.0	0.0
137	137	147	0.216	1.0	0.0	57.4	-49.2	44.7	66.5	137	0.227	1.0	0.0	57.7	-48.6	45.4	66.6	137	0.217	1.0	0.0	53.1	-57.8	35.8	68.1	148	0.2	1.0	0.0	0.082	1.0	0.0	53.1	-57.8	35.8	68.1	148	0.2	1.0	0.0	0.082	1.0	0.0	53.1	-57.8	35.8	68.1	148	0.2	1.0	0.0
138	138	148	0.2	1.0	0.0	56.9	-50.1	43.6	66.5	138	0.213	1.0	0.0	57.3	-49.4	44.5	66.6	138	0.2	1.0	0.0	52.6	-59.0	34.9	68.6	149	0.183	1.0	0.0	0.069	1.0	0.0	52.6	-59.0	34.9	68.6	149	0.183	1.0	0.0	0.069	1.0	0.0	52.6	-59.0	34.9	68.6	149	0.183	1.0	0.0
140	139	149	0.183	1.0	0.0	56.4	-51.0	42.5	66.4	140	0.2	1.0	0.0	56.9	-50.1	43.6	66.5	139	0.183	1.0	0.0	52.1	-60.1	34.0	69.2	150	0.167	1.0	0.0	0.056	1.0	0.0	52.1	-60.1	34.0	69.2	150	0.167	1.0	0.0	0.056	1.0	0.0	52.1	-60.1	34.0	69.2	150	0.167	1.0	0.0
141	140	150	0.166	1.0	0.0	55.9	-51.9	41.4	66.4	141	0.186	1.0	0.0	56.5	-50.8	42.7	66.5	140	0.167	1.0	0.0	51.7	-61.3	33.0	69.7	151	0.15	1.0	0.0	0.043	1.0	0.0	51.7	-61.3	33.0	69.7	151	0.15	1.0	0.0	0.043	1.0	0.0	51.7	-61.3	33.0	69.7	151	0.15	1.0	0.0
142	141	151	0.15	1.0	0.0	55.4	-52.7	40.3	66.4	142	0.172	1.0	0.0	56.1	-51.6	41.8	66.5	141	0.15	1.0	0.0	51.2	-62.4	32.0	70.2	152	0.133	1.0	0.0	0.03	1.0	0.0	51.2	-62.4	32.0	70.2	152	0.133	1.0	0.0	0.03	1.0	0.0	51.2	-62.4	32.0	70.2	152	0.133	1.0	0.0
143	142	152	0.133	1.0	0.0	54.9	-53.5	39.1	66.3	143	0.159	1.0	0.0	55.7	-52.3	40.9	66.4	142	0.133	1.0	0.0	50.7	-63.5	30.9	70.8	154	0.117	1.0	0.0	0.016	1.0	0.0	50.7	-63.5	30.9	70.8	154	0.117	1.0	0.0	0.016	1.0	0.0	50.7	-63.5	30.9	70.8	154	0.117	1.0	0.0
145	143	154	0.116	1.0	0.0	54.4	-54.7	38.0	66.6	145	0.145	1.0	0.0	55.3	-52.9	40.0	66.4	143	0.117	1.0	0.0	50.2	-64.6	29.9	71.3	155	0.1	1.0	0.0	0.003	1.0	0.0	50.2	-64.6	29.9	71.3	155	0.1	1.0	0.0	0.003	1.0	0.0	50.2	-64.6	29.9	71.3	155	0.1	1.0	0.0
146	144	155	0.1	1.0	0.0	53.7	-56.2	37.0	67.3	146	0.131	1.0	0.0	54.9	-53.6	39.0	66.4	144	0.1	1.0	0.0	50.1	-66.6	28.3	70.6	156	0.083	1.0	0.0	0.0	1.0	0.021	50.1	-64.6	28.3	70.6	156	0.083	1.0	0.0	0.0	1.0	0.021	50.1	-64.6	28.3	70.6	156	0.083	1.0	0.0
148	145	156	0.083	1.0	0.0	53.1	-57.7	35.9	68.0	148	0.119	1.0																																							

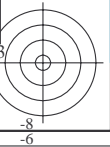
Data of Maximum color M in colorimetric system Offset standard print; separation cmy0*; D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM_S: h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;

Six hue angles of the device colours RYGBM_d: 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

h _{ab,d}	h _{ab,s}	h _{ab,e}	rgb [*] _{dd361M}	LAB [*] _{dd361Mi (x=LabCh)}	rgb [*] _{ds361Mi}	LAB [*] _{dsx361Mi (x=LabCh)}	rgb [*] _{dd361Mi}	LAB [*] _{de361Mi}	rgb [*] _{dex361Mi (x=LabCh)}	rgb [*] _{dd361Mi}	rgb [*] _{dd}	rgb [*] _{ds}	rgb [*] _{de}
167	165	175	0.0	1.0	0.25	51.2	-58.9	12.7	60.3	167	0.0	1.0	0.25
168	166	176	0.0	1.0	0.266	51.3	-58.4	11.3	59.5	168	0.0	1.0	0.267
170	167	177	0.0	1.0	0.283	51.4	-57.9	10.0	58.8	170	0.0	1.0	0.283
171	168	178	0.0	1.0	0.3	51.5	-57.3	8.7	58.0	171	0.0	1.0	0.3
172	169	179	0.0	1.0	0.316	51.6	-56.8	7.4	57.3	172	0.0	1.0	0.317
173	170	180	0.0	1.0	0.333	51.7	-56.2	6.1	56.5	173	0.0	1.0	0.333
174	171	181	0.0	1.0	0.35	51.8	-55.5	4.9	55.8	174	0.0	1.0	0.35
176	172	182	0.0	1.0	0.366	51.9	-54.9	3.7	55.0	176	0.0	1.0	0.367
177	173	183	0.0	1.0	0.383	52.0	-54.2	2.3	54.3	177	0.0	1.0	0.383
179	174	184	0.0	1.0	0.4	52.2	-53.6	0.7	53.6	179	0.0	1.0	0.4
180	175	185	0.0	1.0	0.416	52.3	-52.8	-0.8	52.9	180	0.0	1.0	0.417
182	176	185	0.0	1.0	0.433	52.4	-52.1	-2.3	52.1	182	0.0	1.0	0.433
184	177	186	0.0	1.0	0.45	52.6	-51.3	-3.8	51.4	184	0.0	1.0	0.45
185	178	187	0.0	1.0	0.466	52.7	-50.4	-5.3	50.7	185	0.0	1.0	0.467
187	179	188	0.0	1.0	0.483	52.8	-49.6	-6.6	50.0	187	0.0	1.0	0.483
189	180	189	0.0	1.0	0.5	52.9	-48.8	-8.0	49.3	189	0.0	1.0	0.5
191	181	190	0.0	1.0	0.516	53.1	-47.9	-9.5	48.9	191	0.0	1.0	0.517
193	182	191	0.0	1.0	0.533	53.2	-47.2	-10.9	48.4	193	0.0	1.0	0.533
194	183	192	0.0	1.0	0.55	53.4	-46.4	-12.3	48.0	194	0.0	1.0	0.55
196	184	193	0.0	1.0	0.566	53.5	-45.6	-13.7	47.6	196	0.0	1.0	0.567
198	185	194	0.0	1.0	0.583	53.6	-44.7	-15.0	47.1	198	0.0	1.0	0.583
200	186	195	0.0	1.0	0.6	53.8	-43.8	-16.3	46.7	200	0.0	1.0	0.6
202	187	195	0.0	1.0	0.616	53.9	-42.8	-17.5	46.3	202	0.0	1.0	0.617
204	188	196	0.0	1.0	0.633	54.1	-42.0	-18.8	46.0	204	0.0	1.0	0.633
206	189	197	0.0	1.0	0.65	54.2	-41.2	-20.1	45.9	206	0.0	1.0	0.65
207	190	198	0.0	1.0	0.666	54.3	-40.5	-21.4	45.8	207	0.0	1.0	0.667
209	191	199	0.0	1.0	0.683	54.5	-39.7	-22.7	45.7	209	0.0	1.0	0.683
211	192	200	0.0	1.0	0.7	54.6	-38.8	-23.9	45.6	211	0.0	1.0	0.7
213	193	201	0.0	1.0	0.716	54.7	-37.9	-25.1	45.5	213	0.0	1.0	0.717
215	194	202	0.0	1.0	0.733	54.9	-37.0	-26.3	45.4	215	0.0	1.0	0.733
217	195	203	0.0	1.0	0.75	55.0	-36.0	-27.4	45.3	217	0.0	1.0	0.75
218	196	204	0.0	1.0	0.766	55.1	-35.4	-28.4	45.4	218	0.0	1.0	0.767
220	197	205	0.0	1.0	0.783	55.2	-34.7	-29.4	45.5	220	0.0	1.0	0.783
221	198	206	0.0	1.0	0.8	55.3	-34.0	-30.3	45.6	221	0.0	1.0	0.8
223	199	206	0.0	1.0	0.816	55.4	-33.3	-31.3	45.7	223	0.0	1.0	0.817
224	200	207	0.0	1.0	0.833	55.6	-32.6	-32.2	45.9	224	0.0	1.0	0.833
226	201	208	0.0	1.0	0.85	55.7	-31.8	-33.1	46.0	226	0.0	1.0	0.85
227	202	209	0.0	1.0	0.866	55.8	-31.1	-34.0	46.1	227	0.0	1.0	0.867
229	203	210	0.0	1.0	0.883	55.9	-30.4	-35.0	46.3	229	0.0	1.0	0.883
230	204	211	0.0	1.0	0.9	56.0	-29.7	-35.9	46.7	230	0.0	1.0	0.9
231	205	212	0.0	1.0	0.916	56.1	-29.1	-36.9	47.0	231	0.0	1.0	0.917
233	206	213	0.0	1.0	0.933	56.3	-28.4	-37.8	47.3	233	0.0	1.0	0.933
234	207	214	0.0	1.0	0.95	56.4	-27.7	-38.8	47.7	234	0.0	1.0	0.95
235	208	215	0.0	1.0	0.966	56.5	-27.0	-39.7	48.0	235	0.0	1.0	0.967
237	209	216	0.0	1.0	0.983	56.6	-26.2	-40.6	48.3	237	0.0	1.0	0.983
238	210	216	0.0	1.0	1.0	56.8	-25.5	-41.5	48.7	238	0.0	1.0	1.0

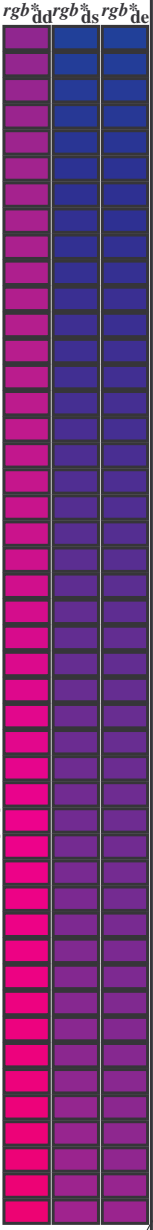
see similar files: http://130.149.60.45/~farbmetrik/QE87/QE87L0FA.TXT /PS application for measurement of offset print output, separation cmy0* (CMY0)

TUB registration: 20130201-QE87/QE87L0FA.TXT /PS TUB material: code=rha4ta



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 RYGCBM_s: h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;
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

h _{ab,d}	h _{ab,s}	h _{ab,e}	rgb [*] dd361M	LAB [*] ddx361Mi (x=LabCh)	rgb [*] ds361Mi	LAB [*] dsx361Mi (x=LabCh)	rgb [*] dd361Mi	LAB [*] dex361Mi (x=LabCh)	rgb [*] dd361Mi	LAB [*] dex361Mi (x=LabCh)	rgb [*] dd361Mi	rgb [*] dd	rgb [*] ds	rgb [*] de
340	300	300	0.5 0.0 1.0	35.6 58.6 -20.7 62.1 340	0.0 0.109 1.0	28.2 23.3 -40.3 46.6 300	0.5 0.0 1.0	0.0 0.106 1.0	28.1 23.5 -40.3 46.7 300	0.5 0.0 1.0				
341	301	301	0.516 0.0 1.0	35.9 59.5 -19.9 62.8 341	0.0 0.091 1.0	27.7 24.3 -40.3 47.2 301	0.517 0.0 1.0	0.0 0.089 1.0	27.6 24.4 -40.3 47.2 301	0.517 0.0 1.0				
342	302	302	0.533 0.0 1.0	36.2 60.5 -19.0 63.4 342	0.0 0.074 1.0	27.2 25.3 -40.4 47.7 302	0.533 0.0 1.0	0.0 0.073 1.0	27.2 25.4 -40.4 47.8 302	0.533 0.0 1.0				
343	303	303	0.55 0.0 1.0	36.6 61.4 -18.2 64.0 343	0.0 0.056 1.0	26.7 26.3 -40.4 48.3 303	0.55 0.0 1.0	0.0 0.056 1.0	26.7 26.3 -40.4 48.3 303	0.55 0.0 1.0				
344	304	303	0.566 0.0 1.0	36.9 62.3 -17.3 64.7 344	0.0 0.039 1.0	26.2 27.3 -40.4 48.9 304	0.567 0.0 1.0	0.0 0.039 1.0	26.2 27.3 -40.4 48.8 303	0.567 0.0 1.0				
345	305	304	0.583 0.0 1.0	37.2 63.2 -16.4 65.3 345	0.0 0.021 1.0	25.7 28.3 -40.4 49.4 305	0.583 0.0 1.0	0.0 0.023 1.0	25.7 28.2 -40.4 49.4 304	0.583 0.0 1.0				
346	306	305	0.6 0.0 1.0	37.6 64.1 -15.4 66.0 346	0.0 0.004 1.0	25.2 29.4 -40.3 50.0 306	0.6 0.0 1.0	0.0 0.006 1.0	25.3 29.2 -40.3 49.9 305	0.6 0.0 1.0				
347	307	306	0.616 0.0 1.0	37.9 65.0 -14.5 66.6 347	0.011 0.0 1.0	25.3 30.2 -40.0 50.2 307	0.617 0.0 1.0	0.009 0.0 1.0	25.3 30.1 -40.1 50.2 306	0.617 0.0 1.0				
348	308	307	0.633 0.0 1.0	38.3 65.8 -13.7 67.2 348	0.026 0.0 1.0	25.7 31.0 -39.6 50.3 308	0.633 0.0 1.0	0.023 0.0 1.0	25.6 30.8 -39.7 50.3 307	0.633 0.0 1.0				
348	309	308	0.65 0.0 1.0	38.8 66.6 -13.1 67.9 348	0.041 0.0 1.0	26.0 31.8 -39.1 50.5 309	0.65 0.0 1.0	0.036 0.0 1.0	25.9 31.5 -39.3 50.4 308	0.65 0.0 1.0				
349	310	309	0.666 0.0 1.0	39.3 67.3 -12.5 68.5 349	0.056 0.0 1.0	26.3 32.5 -38.7 50.6 310	0.667 0.0 1.0	0.05 0.0 1.0	26.2 32.3 -38.8 50.6 309	0.667 0.0 1.0				
350	311	310	0.683 0.0 1.0	39.8 68.1 -11.9 69.1 350	0.07 0.0 1.0	26.7 33.3 -38.2 50.8 311	0.683 0.0 1.0	0.064 0.0 1.0	26.5 33.0 -38.4 50.7 310	0.683 0.0 1.0				
350	312	311	0.7 0.0 1.0	40.3 68.8 -11.2 69.7 350	0.085 0.0 1.0	27.0 34.1 -37.7 50.9 312	0.7 0.0 1.0	0.078 0.0 1.0	26.9 33.7 -37.9 50.8 311	0.7 0.0 1.0				
351	313	312	0.716 0.0 1.0	40.8 69.5 -10.6 70.4 351	0.1 0.0 1.0	27.3 34.8 -37.2 51.0 313	0.717 0.0 1.0	0.092 0.0 1.0	27.2 34.4 -37.5 51.0 312	0.717 0.0 1.0				
351	314	313	0.733 0.0 1.0	41.3 70.3 -9.9 71.0 351	0.114 0.0 1.0	27.7 35.5 -36.7 51.2 314	0.733 0.0 1.0	0.106 0.0 1.0	27.5 35.1 -37.0 51.1 313	0.733 0.0 1.0				
352	315	314	0.75 0.0 1.0	41.8 71.0 -9.2 71.6 352	0.13 0.0 1.0	27.9 36.3 -36.2 51.3 315	0.75 0.0 1.0	0.12 0.0 1.0	27.8 35.8 -36.5 51.2 314	0.75 0.0 1.0				
353	316	315	0.766 0.0 1.0	42.1 71.6 -8.7 72.1 353	0.146 0.0 1.0	28.1 37.1 -35.7 51.6 316	0.767 0.0 1.0	0.135 0.0 1.0	28.0 36.6 -36.0 51.4 315	0.767 0.0 1.0				
353	317	316	0.783 0.0 1.0	42.4 72.1 -8.1 72.6 353	0.163 0.0 1.0	28.2 37.9 -35.3 51.8 317	0.783 0.0 1.0	0.151 0.0 1.0	28.1 37.3 -35.6 51.7 316	0.783 0.0 1.0				
353	318	317	0.8 0.0 1.0	42.7 72.7 -7.6 73.1 353	0.18 0.0 1.0	28.3 38.7 -34.8 52.1 318	0.8 0.0 1.0	0.167 0.0 1.0	28.2 38.1 -35.1 51.9 317	0.8 0.0 1.0				
354	319	318	0.816 0.0 1.0	43.1 73.2 -7.0 73.6 354	0.197 0.0 1.0	28.5 39.5 -34.2 52.4 319	0.817 0.0 1.0	0.183 0.0 1.0	28.4 38.9 -34.7 52.1 318	0.817 0.0 1.0				
354	320	319	0.833 0.0 1.0	43.4 73.8 -6.5 74.1 354	0.213 0.0 1.0	28.6 40.3 -33.7 52.6 320	0.833 0.0 1.0	0.199 0.0 1.0	28.5 39.6 -34.2 52.4 319	0.833 0.0 1.0				
355	321	320	0.85 0.0 1.0	43.7 74.3 -5.9 74.6 355	0.23 0.0 1.0	28.7 41.1 -33.2 52.9 321	0.85 0.0 1.0	0.215 0.0 1.0	28.6 40.4 -33.7 52.6 320	0.85 0.0 1.0				
355	322	321	0.866 0.0 1.0	44.0 74.9 -5.3 75.1 355	0.247 0.0 1.0	28.9 41.9 -32.6 53.1 322	0.867 0.0 1.0	0.231 0.0 1.0	28.7 41.1 -33.2 52.9 321	0.867 0.0 1.0				
356	323	321	0.883 0.0 1.0	44.3 75.4 -4.7 75.6 356	0.259 0.0 1.0	29.2 42.7 -32.1 53.5 323	0.883 0.0 1.0	0.247 0.0 1.0	28.9 41.8 -32.6 53.1 321	0.883 0.0 1.0				
356	324	322	0.9 0.0 1.0	44.6 76.0 -4.1 76.1 356	0.27 0.0 1.0	29.5 43.7 -31.6 54.0 324	0.9 0.0 1.0	0.258 0.0 1.0	29.2 42.7 -32.1 53.5 322	0.9 0.0 1.0				
357	325	323	0.916 0.0 1.0	44.8 76.6 -3.5 76.6 357	0.282 0.0 1.0	29.9 44.6 -31.1 54.4 325	0.917 0.0 1.0	0.269 0.0 1.0	29.5 43.5 -31.7 53.9 323	0.917 0.0 1.0				
357	326	324	0.933 0.0 1.0	45.1 77.1 -2.8 77.2 357	0.293 0.0 1.0	30.2 45.5 -30.6 54.8 326	0.933 0.0 1.0	0.28 0.0 1.0	29.8 44.4 -31.2 54.3 324	0.933 0.0 1.0				
358	327	325	0.95 0.0 1.0	45.3 77.7 -2.2 77.7 358	0.304 0.0 1.0	30.6 46.4 -30.0 55.3 327	0.95 0.0 1.0	0.29 0.0 1.0	30.1 45.2 -30.7 54.7 325	0.95 0.0 1.0				
358	328	326	0.966 0.0 1.0	45.6 78.2 -1.5 78.2 358	0.315 0.0 1.0	30.9 47.2 -29.4 55.7 328	0.967 0.0 1.0	0.301 0.0 1.0	30.5 46.1 -30.2 55.1 326	0.967 0.0 1.0				
359	329	327	0.983 0.0 1.0	45.8 78.7 -0.8 78.7 359	0.326 0.0 1.0	31.3 48.1 -28.8 56.1 329	0.983 0.0 1.0	0.311 0.0 1.0	30.8 46.9 -29.6 55.6 327	0.983 0.0 1.0				
359	330	328	1.0 0.0 1.0	46.1 79.3 -0.2 79.3 359	M _d 0.337 0.0 1.0	31.6 49.0 -28.2 56.6 330	M _s 1.0 0.0 1.0	0.322 0.0 1.0	31.1 47.8 -29.1 56.0 328	M _e 1.0 0.0 1.0				
360	331	329	1.0 0.0 0.983	46.1 79.1 0.3 79.1 360	0.349 0.0 1.0	32.0 49.9 -27.5 57.0 331	1.0 0.0 0.983	0.332 0.0 1.0	31.5 48.6 -28.5 56.4 329	1.0 0.0 0.983				
360	332	330	1.0 0.0 0.966	46.0 79.0 0.9 79.0 360	0.36 0.0 1.0	32.3 50.7 -26.9 57.5 332	1.0 0.0 0.967	0.343 0.0 1.0	31.8 49.4 -27.9 56.8 330	1.0 0.0 0.967				
361	333	331	1.0 0.0 0.95	46.0 78.9 1.5 78.9 361	0.371 0.0 1.0	32.7 51.6 -26.2 57.9 333	1.0 0.0 0.95	0.354 0.0 1.0	32.1 50.3 -27.2 57.2 331	1.0 0.0 0.95				
361	334	332	1.0 0.0 0.933	46.0 78.7 2.1 78.8 361	0.386 0.0 1.0	33.0 52.5 -25.5 58.4 334	1.0 0.0 0.933	0.364 0.0 1.0	32.4 51.1 -26.6 57.6 332	1.0 0.0 0.933				
361	335	333	1.0 0.0 0.916	46.0 78.6 2.7 78.6 361	0.404 0.0 1.0	33.4 53.5 -24.8 59.0 335	1.0 0.0 0.917	0.375 0.0 1.0	32.8 51.9 -25.9 58.0 333	1.0 0.0 0.917				
362	336	334	1.0 0.0 0.9	46.0 78.4 3.2 78.5 362	0.421 0.0 1.0	33.8 54.4 -24.1 59.6 336	1.0 0.0 0.9	0.391 0.0 1.0	33.1 52.8 -25.3 58.6 334	1.0 0.0 0.9				
362	337	335	1.0 0.0 0.883	45.9 78.3 3.8 78.4 362	0.438 0.0 1.0	34.2 55.4 -23.4 60.1 337	1.0 0.0 0.883	0.408 0.0 1.0	33.5 53.7 -24.7 59.1 335	1.0 0.0 0.883				
363	338	336	1.0 0.0 0.866	45.9 78.1 4.4 78.3 363	0.456 0.0 1.0	34.6 56.3 -22.6 60.7 338	1.0 0.0 0.867	0.424 0.0 1.0	33.9 54.6 -24.0 59.7 336	1.0 0.0 0.867				
363	339	337	1.0 0.0 0.85	45.9 78.0 5.0 78.2 363	0.473 0.0 1.0	35.0 57.2 -21.9 61.3 339	1.0 0.0 0.85	0.441 0.0 1.0	34.3 55.5 -23.3 60.2 337	1.0 0.0 0.85				
364	340	338	1.0 0.0 0.833	45.9 77.9 5.6 78.1 364	0.491 0.0 1.0	35.4 58.1 -21.1 61.9 340	1.0 0.0 0.833	0.457 0.0 1.0	34.6 56.4 -22.6 60.8 338	1.0 0.0 0.833				
364	341	339	1.0 0.0 0.816	45.9 77.7 6.2 78.0 364	0.508 0.0 1.0	35.8 59.1 -20.2 62.5 341	1.0 0.0 0.817	0.474 0.0 1.0	35.0 57.2 -21.8 61.3 339	1.0 0.0 0.817				
365	342	339	1.0 0.0 0.8	45.9 77.6 6.8 77.9 365	0.525 0.0 1.0	36.1 60.0 -19.4 63.1 342	1.0 0.0 0.8	0.491 0.0 1.0	35.4 58.1 -21.1 61.8 339	1.0 0.0 0.8				
365	343	340	1.0 0.0 0.783	45.9 77.4 7.4 77.8 365	0.542 0.0 1.0	36.4 61.0 -18.5 63.8 343	1.0 0.0 0.783	0.507 0.0 1.0	35.7 59.0 -20.3 62.4 340	1.0 0.0 0.783				
365	344	341	1.0 0.0 0.766	45.9 77.3 8.0 77.7 365	0.559 0.0 1.0	36.8 61.9 -17.7 64.4 344	1.0 0.0 0.767	0.523 0.0 1.0	36.1 59.9 -19.5 63.0 341	1.0 0.0 0.767				
366	345	342	1.0 0.0 0.75	45.9 77.1 8.6 77.6 366	0.576 0.0 1.0	37.1 62.9 -16.7 65.1 345	1.0 0.0 0.75	0.539 0.0 1.0	36.4 60.8 -18.7 63.7 342	1.0 0.0 0.75				

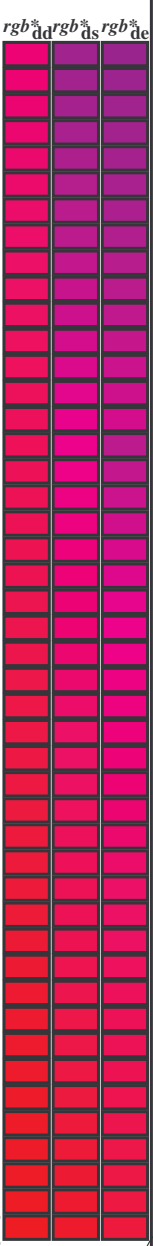


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TUB registration: 20130201-QE87/QE87L0FA.TXT /PS
application for measurement of offset print output, separation cmy0* (CMY0)
TUB material: code=rh4ta

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

h _{ab,d}	h _{ab,s}	h _{ab,e}	rgb [*] dd361M	LAB [*] ddx361Mi (x=LabCh)	rgb [*] ds361Mi	LAB [*] dsx361Mi (x=LabCh)	rgb [*] dd361Mi	LAB [*] de361Mi	rgb [*] dex361Mi (x=LabCh)	LAB [*] dd361Mi	rgb [*] dd361Mi	rgb [*] dd361Mi	rgb [*] ds361Mi	rgb [*] ds361Mi	rgb [*] ds361Mi
366	345	342	1.0 0.0 0.75	45.9 77.1 8.6	77.6 366	0.576 0.0 1.0	37.1 62.9	-16.7 65.1	345	1.0 0.0 0.75	0.539 0.0 1.0	36.4 60.8	-18.7 63.7	342	1.0 0.0 0.75
367	346	343	1.0 0.0 0.733	45.9 77.0 9.4	77.5 367	0.593 0.0 1.0	37.5 63.8	-15.8 65.7	346	1.0 0.0 0.733	0.555 0.0 1.0	36.7 61.7	-17.9 64.3	343	1.0 0.0 0.733
367	347	344	1.0 0.0 0.716	45.9 76.8 10.3	77.5 367	0.61 0.0 1.0	37.8 64.7	-14.8 66.4	347	1.0 0.0 0.717	0.571 0.0 1.0	37.0 62.6	-17.0 64.9	344	1.0 0.0 0.717
368	348	345	1.0 0.0 0.7	45.9 76.6 11.1	77.4 368	0.627 0.0 1.0	38.2 65.6	-13.8 67.1	348	1.0 0.0 0.7	0.587 0.0 1.0	37.3 63.5	-16.1 65.5	345	1.0 0.0 0.7
368	349	346	1.0 0.0 0.683	45.9 76.4 11.9	77.3 368	0.654 0.0 1.0	39.0 66.8	-12.9 68.1	349	1.0 0.0 0.683	0.603 0.0 1.0	37.7 64.3	-15.2 66.1	346	1.0 0.0 0.683
369	350	347	1.0 0.0 0.666	45.9 76.2 12.8	77.2 369	0.681 0.0 1.0	39.8 68.0	-11.9 69.1	350	1.0 0.0 0.667	0.619 0.0 1.0	38.0 65.2	-14.3 66.7	347	1.0 0.0 0.667
370	351	348	1.0 0.0 0.65	46.0 75.9 13.6	77.2 370	0.708 0.0 1.0	40.6 69.2	-10.9 70.1	351	1.0 0.0 0.65	0.641 0.0 1.0	38.6 66.2	-13.4 67.6	348	1.0 0.0 0.65
370	352	349	1.0 0.0 0.633	46.0 75.7 14.4	77.1 370	0.735 0.0 1.0	41.4 70.4	-9.8 71.1	352	1.0 0.0 0.633	0.667 0.0 1.0	39.3 67.4	-12.4 68.5	349	1.0 0.0 0.633
371	353	350	1.0 0.0 0.616	46.0 75.5 15.2	77.1 371	0.765 0.0 1.0	42.1 71.6	-8.7 72.1	353	1.0 0.0 0.617	0.692 0.0 1.0	40.1 68.5	-11.5 69.5	350	1.0 0.0 0.617
372	354	351	1.0 0.0 0.6	45.9 75.4 16.1	77.1 372	0.8 0.0 1.0	42.8 72.7	-7.5 73.1	354	1.0 0.0 0.6	0.717 0.0 1.0	40.9 69.6	-10.5 70.4	351	1.0 0.0 0.6
372	355	352	1.0 0.0 0.583	45.9 75.2 16.9	77.1 372	0.835 0.0 1.0	43.5 73.9	-6.4 74.2	355	1.0 0.0 0.583	0.743 0.0 1.0	41.6 70.7	-9.5 71.4	352	1.0 0.0 0.583
373	356	353	1.0 0.0 0.566	45.9 75.0 17.8	77.1 373	0.87 0.0 1.0	44.2 75.0	-5.1 75.2	356	1.0 0.0 0.567	0.774 0.0 1.0	42.3 71.9	-8.4 72.4	353	1.0 0.0 0.567
374	357	354	1.0 0.0 0.55	45.9 74.8 18.6	77.1 374	0.904 0.0 1.0	44.7 76.2	-3.9 76.3	357	1.0 0.0 0.55	0.807 0.0 1.0	42.9 73.0	-7.3 73.3	354	1.0 0.0 0.55
374	358	355	1.0 0.0 0.533	45.9 74.6 19.5	77.1 374	0.938 0.0 1.0	45.2 77.3	-2.6 77.3	358	1.0 0.0 0.533	0.84 0.0 1.0	43.6 74.1	-6.2 74.3	355	1.0 0.0 0.533
375	359	356	1.0 0.0 0.516	45.9 74.4 20.3	77.1 375	0.971 0.0 1.0	45.7 78.4	-1.3 78.4	359	1.0 0.0 0.517	0.873 0.0 1.0	44.2 75.1	-5.0 75.3	356	1.0 0.0 0.517
375	360	357	1.0 0.0 0.5	45.9 74.2 21.1	77.1 375	1.0 0.0 0.994	46.1 79.3	0.0 79.3	360	1.0 0.0 0.5	0.736 0.0 1.0	41.4 70.5	-9.7 71.1	352	1.0 0.0 0.5
376	361	353	1.0 0.0 0.483	45.8 74.1 22.1	77.3 376	1.0 0.0 0.955	46.1 79.0	1.4 79.0	361	1.0 0.0 0.483	0.771 0.0 1.0	42.2 71.8	-8.5 72.3	353	1.0 0.0 0.483
377	362	354	1.0 0.0 0.466	45.8 73.9 23.1	77.4 377	1.0 0.0 0.916	46.0 78.6	2.7 78.7	362	1.0 0.0 0.467	0.81 0.0 1.0	43.0 73.1	-7.2 73.4	354	1.0 0.0 0.467
378	363	355	1.0 0.0 0.45	45.8 73.8 24.0	77.6 378	1.0 0.0 0.876	46.0 78.3	4.1 78.4	363	1.0 0.0 0.45	0.849 0.0 1.0	43.8 74.4	-5.9 74.6	355	1.0 0.0 0.45
378	364	356	1.0 0.0 0.433	45.8 73.6 25.0	77.7 378	1.0 0.0 0.839	46.0 78.0	5.5 78.2	364	1.0 0.0 0.433	0.887 0.0 1.0	44.4 75.6	-4.5 75.8	356	1.0 0.0 0.433
379	365	357	1.0 0.0 0.416	45.8 73.4 25.9	77.9 379	1.0 0.0 0.802	46.0 77.7	6.8 78.0	365	1.0 0.0 0.417	0.925 0.0 1.0	45.0 76.9	-3.1 77.0	357	1.0 0.0 0.417
380	366	358	1.0 0.0 0.4	45.8 73.2 26.9	78.0 380	1.0 0.0 0.765	46.0 77.3	8.1 77.8	366	1.0 0.0 0.4	0.963 0.0 1.0	45.6 78.1	-1.6 78.1	358	1.0 0.0 0.4
380	367	359	1.0 0.0 0.383	45.8 73.0 27.8	78.2 380	1.0 0.0 0.734	46.0 77.0	9.5 77.6	367	1.0 0.0 0.383	1.0 0.0 1.0	46.1 79.3	-0.1 79.3	359	1.0 0.0 0.383
381	368	360	1.0 0.0 0.366	45.8 72.9 28.7	78.4 381	1.0 0.0 0.708	46.0 76.7	10.8 77.5	368	1.0 0.0 0.367	1.0 0.0 0.956	46.1 79.0	1.3 79.0	360	1.0 0.0 0.367
382	369	362	1.0 0.0 0.35	45.8 72.8 29.6	78.6 382	1.0 0.0 0.681	46.0 76.4	12.1 77.4	369	1.0 0.0 0.35	1.0 0.0 0.912	46.0 78.6	2.9 78.7	362	1.0 0.0 0.35
382	370	363	1.0 0.0 0.333	45.7 72.7 30.4	78.8 382	1.0 0.0 0.655	46.0 76.1	13.4 77.2	370	1.0 0.0 0.333	1.0 0.0 0.869	46.0 78.2	4.4 78.3	363	1.0 0.0 0.333
383	371	364	1.0 0.0 0.316	45.7 72.6 31.2	79.1 383	1.0 0.0 0.628	46.0 75.7	14.7 77.1	371	1.0 0.0 0.317	1.0 0.0 0.828	46.0 77.9	5.9 78.1	364	1.0 0.0 0.317
383	372	365	1.0 0.0 0.3	45.7 72.5 32.1	79.3 383	1.0 0.0 0.602	46.0 75.4	16.0 77.1	372	1.0 0.0 0.3	1.0 0.0 0.786	46.0 77.5	7.4 77.9	365	1.0 0.0 0.3
384	373	366	1.0 0.0 0.283	45.6 72.4 32.9	79.6 384	1.0 0.0 0.576	46.0 75.2	17.4 77.1	373	1.0 0.0 0.283	1.0 0.0 0.746	46.0 77.1	8.8 77.7	366	1.0 0.0 0.283
385	374	367	1.0 0.0 0.266	45.6 72.3 33.8	79.8 385	1.0 0.0 0.55	45.9 74.9	18.7 77.2	374	1.0 0.0 0.267	1.0 0.0 0.717	46.0 76.8	10.3 77.5	367	1.0 0.0 0.267
385	375	368	1.0 0.0 0.25	45.6 72.1 34.6	80.0 385	1.0 0.0 0.524	45.9 74.5	20.0 77.2	375	1.0 0.0 0.25	1.0 0.0 0.687	46.0 76.5	11.8 77.4	368	1.0 0.0 0.25
386	376	369	1.0 0.0 0.233	45.6 72.1 35.3	80.3 386	1.0 0.0 0.498	45.9 74.2	21.3 77.2	376	1.0 0.0 0.233	1.0 0.0 0.658	46.0 76.1	13.3 77.2	369	1.0 0.0 0.233
386	377	370	1.0 0.0 0.216	45.6 72.0 36.1	80.5 386	1.0 0.0 0.475	45.9 74.0	22.6 77.4	377	1.0 0.0 0.217	1.0 0.0 0.628	46.0 75.7	14.7 77.1	370	1.0 0.0 0.217
387	378	372	1.0 0.0 0.2	45.6 71.9 36.8	80.8 387	1.0 0.0 0.451	45.9 73.8	24.0 77.6	378	1.0 0.0 0.2	1.0 0.0 0.599	46.0 75.4	16.2 77.1	372	1.0 0.0 0.2
387	379	373	1.0 0.0 0.183	45.5 71.8 37.5	81.0 387	1.0 0.0 0.428	45.9 73.6	25.3 77.8	379	1.0 0.0 0.183	1.0 0.0 0.57	46.0 75.1	17.6 77.1	373	1.0 0.0 0.183
388	380	374	1.0 0.0 0.166	45.5 71.7 38.2	81.3 388	1.0 0.0 0.404	45.9 73.3	26.7 78.0	380	1.0 0.0 0.167	1.0 0.0 0.541	45.9 74.8	19.1 77.2	374	1.0 0.0 0.167
388	381	375	1.0 0.0 0.15	45.5 71.6 39.0	81.5 388	1.0 0.0 0.38	45.8 73.1	28.0 78.3	381	1.0 0.0 0.15	1.0 0.0 0.512	45.9 74.4	20.6 77.2	375	1.0 0.0 0.15
389	382	376	1.0 0.0 0.133	45.5 71.5 39.7	81.8 389	1.0 0.0 0.353	45.8 72.9	29.4 78.6	382	1.0 0.0 0.133	1.0 0.0 0.485	45.9 74.1	22.0 77.3	376	1.0 0.0 0.133
389	383	377	1.0 0.0 0.116	45.5 71.4 40.4	82.1 389	1.0 0.0 0.325	45.8 72.7	30.9 79.0	383	1.0 0.0 0.117	1.0 0.0 0.459	45.9 73.9	23.6 77.6	377	1.0 0.0 0.117
389	384	378	1.0 0.0 0.1	45.5 71.3 41.0	82.3 389	1.0 0.0 0.297	45.7 72.5	32.3 79.4	384	1.0 0.0 0.1	1.0 0.0 0.433	45.9 73.6	25.1 77.8	378	1.0 0.0 0.1
390	385	379	1.0 0.0 0.083	45.5 71.3 41.6	82.6 390	1.0 0.0 0.268	45.7 72.3	33.7 79.8	385	1.0 0.0 0.083	1.0 0.0 0.406	45.9 73.4	26.6 78.0	379	1.0 0.0 0.083
390	386	381	1.0 0.0 0.066	45.5 71.2 42.3	82.8 390	1.0 0.0 0.238	45.6 72.1	35.2 80.3	386	1.0 0.0 0.067	1.0 0.0 0.38	45.8 73.1	28.1 78.3	381	1.0 0.0 0.067
391	387	382	1.0 0.0 0.049	45.5 71.1 42.9	83.1 391	1.0 0.0 0.204	45.6 72.0	36.7 80.8	387	1.0 0.0 0.05	1.0 0.0 0.349	45.8 72.9	29.6 78.7	382	1.0 0.0 0.05
391	388	383	1.0 0.0 0.033	45.4 71.1 43.5	83.4 391	1.0 0.0 0.17	45.6 71.8	38.2 81.3	388	1.0 0.0 0.033	1.0 0.0 0.318	45.8 72.7	31.2 79.1	383	1.0 0.0 0.033
391	389	384	1.0 0.0 0.016	45.4 71.0 44.2	83.6 391	1.0 0.0 0.135	45.6 71.6	39.7 81.8	389	1.0 0.0 0.017	1.0 0.0 0.286	45.7 72.5	32.8 79.6	384	1.0 0.0 0.017
392	390	385	1.0 0.0 0.0	45.4 70.9 44.8	83.9 392	1.0 0.0 0.096	45.5 71.4	41.2 82.4	390	1.0 0.0 0.0	1.0 0.0 0.255	45.7 72.2	34.4 80.0	385	1.0 0.0 0.0



see similar files: http://130.149.60.45/~farbmetrik/QE87/QE87L0FA.TXT / .PS
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE87/QE87L0FA.TXT /.PS
application for measurement of offset print output, separation cmy0* (CMY0)
TUB material: code=rha4ta

QE8710L

QE8710L

QE8710L

QE8710L

Table with 16 columns: n, HHC*F0d, rpb_F0d, icr_F0d, hsa_F0d, rpb_F0d, LabC0*F0d, cmyk*_sep_F0d, hsa_M0d, rpb_M0d, LabC0*M0d, delta, LabC0*Y0d, rpb_Y0d, LabC0*Y0d, LabC0*Y0d. Rows include color patches like B00Y, B25K, B15K, etc.

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

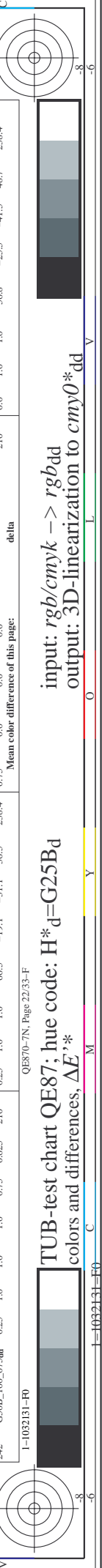
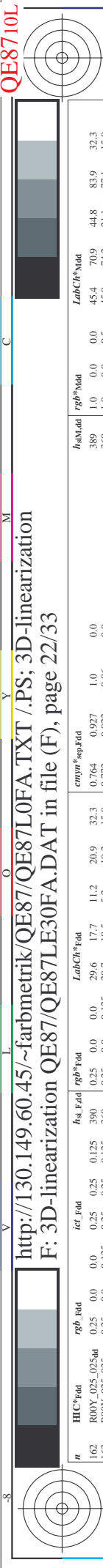
Mean color difference of this page: delta

QE870-TN; Page 21/33-F

TUB-test chart QE87; hue code: H*d=G25Bd colors and differences, AE*'

I-1032031-F0

I-1032031-F0



http://130.149.60.45/~farbmetrik/QE87/QE87L0FA.TXT /.PS; 3D-linearization F: 3D-linearization QE87/QE87L30FA.DAT in file (F), page 22/33

Table with 24 columns: n, HHC*F0d, rpb_F0d, icr_F0d, hsa_F0d, rpb*F0d, LabC0*F0d, LabC0*F0d, cmy0*sep_F0d, hsa*F0d, rpb*F0d, LabC0*F0d, LabC0*F0d, delta. Rows 162-242.

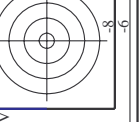
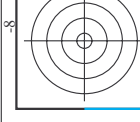
Mean color difference of this page:

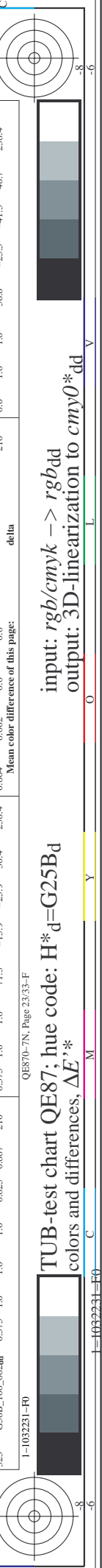
input: rgb/cmyk -> rgbdd output: 3D-linearization to cmy0*dd

QE870-TN; Page 22/33-F

TUB-test chart QE87; hue code: H*d=G25Bd colors and differences, AE**

I=1032131-F0





http://130.149.60.45/~farbmatrik/QE87/QE87L0FA.TXT /.PS; 3D-linearization F: 3D-linearization QE87/QE87L30FA.DAT in file (F), page 23/33

see similar files: http://130.149.60.45/~farbmatrik/QE87/QE87.HTM technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmatrik

Table with 32 columns: n, HHC*Fid, rpb_Fid, icr_Fid, hsa_Fid, rpb*Fid, LabC0*Fid, LabC0*Fid, cmy0*sep_Fid, rpb*Fid, hsa*Fid, rpb*Fid, LabC0*Fid, LabC0*Fid, delta, and 10 unlabeled columns. The table contains numerical data for various color patches.

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

TUB-test chart QE87; hue code: H*_d=G25Bd colors and differences, AE*_*

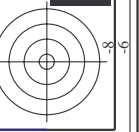
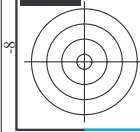
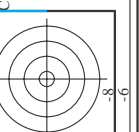
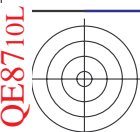
I=103231-F0 I=103231-F0

QE870-TN; Page 23/33-F

Mean color difference of this page: 0.002

QE8710L

QE8710L



http://130.149.60.45/~farbmetrik/QE87/QE87L0FA.TXT /.PS; 3D-linearization F: 3D-linearization QE87/QE87L30FA.DAT in file (F), page 24/33

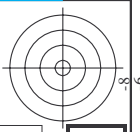
input: rgb/cmyk -> rgbd output: 3D-linearization to cmy0*dd

Table with columns: n, HHC*Fid, rpb*Fid, icr*Fid, Hs*Fid, rpb*Fid, LabC*Fid, LabM*Fid, cmyp*sep*Fid, LabC*Fid, rpb*Fid, Hs*Fid, LabC*Fid, LabM*Fid, delta. Rows include color patches like R00Y, R00M, B00R, etc.

Mean color difference of this page:

QE870-TN; Page 24/33-F

I-1032331-F0

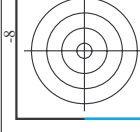


http://130.149.60.45/~farbmetrik/QE87/QE87L0FA.TXT /.PS; 3D-linearization F: 3D-linearization QE87/QE87L30FA.DAT in file (F), page 25/33

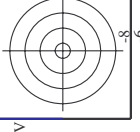
Table with columns: n, HHC*Fid, rpb_Fid, icr_Fid, hsa_Fid, rpb*Fid, LabC*Fid, LabC*Fid, cmyk*_sep_Fid, hsa*Fid, rpb*Fid, LabC*Fid, delta. Rows 405-485.

Mean color difference of this page:

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



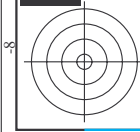
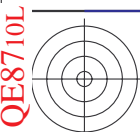
see similar files: http://130.149.60.45/~farbmetrik/QE87/QE87.HTM technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik



TUB-test chart QE87; hue code: H*_d=G25Bd colors and differences, AE* *

QE8710L

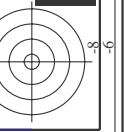
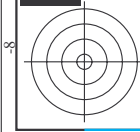
QE8710L



http://130.149.60.45/~farbmetrik/QE87/QE87L0FA.TXT /.PS; 3D-linearization F: 3D-linearization QE87/QE87L30FA.DAT in file (F), page 26/33

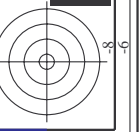
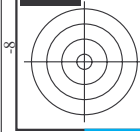
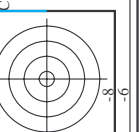
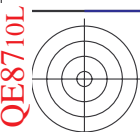
Table with 15 columns: n, HHC*Fid, rgb_Fid, icr_Fid, Hsa_Fid, rrgb_Fid, LabCh*Fid, cmyk*_sep_Fid, LabCh*Mid, rrgb_Mid, Hsa_Mid, LabCh*Mid, cmyk*_sep_Mid, LabCh*Mid, delta. Rows 486-566.

input: rgb/cmyk -> rrgbdd output: 3D-linearization to cmy0*dd Mean color difference of this page: 0.007



QE8710L

QE8710L



http://130.149.60.45/~farbmetrik/QE87/QE87L0FA.TXT /.PS; 3D-linearization F: 3D-linearization QE87/QE87L30FA.DAT in file (F), page 27/33

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

Table with columns: n, HHC*F0d, rpb_F0d, icr_F0d, hsa_F0d, rpb_F0d, LabC0*F0d, LabC0*F0d, cmy0*_sep_F0d, hsa_F0d, rpb_F0d, LabC0*F0d, LabC0*F0d, delta. Rows 567-647.

I-1032631-F0

QE870-TN; Page 27/33-F

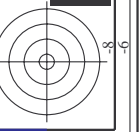
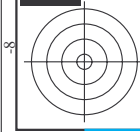
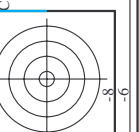
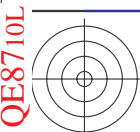
TUB-test chart QE87; hue code: H*d=G25Bd colors and differences, AE* *

delta

Mean color difference of this page:

QE8710L

QE8710L



http://130.149.60.45/~farbmetrik/QE87/QE87L0FA.TXT /.PS; 3D-linearization F: 3D-linearization QE87/QE87L0FA.DAT in file (F), page 30/33

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

Table with 10 columns: n, H#C*Fad, H#C*Fad, iC*Fad, iC*Fad, iC*Fad, iC*Fad, iC*Fad, iC*Fad, iC*Fad. Rows 810-890.

Mean color difference of this page:

delta

TUB-test chart QE87; hue code: H*d=G25Bd colors and differences, AE* *

QE870-7N; Page 30/33-F

I-1032931-F0

I-1032931-F0

n	HC*Fid	rgb*Fid	icr*Fid	hs_*Fid	rgb*Fid	LabCIP*Fid	cmyp*_sep*Fid	cmyp*_Fid	delta	hs_*Fid	rgb*Fid	LabCIP*Fid	cmyp*_sep*Fid	cmyp*_Fid	delta	hs_*Fid	rgb*Fid	LabCIP*Fid	cmyp*_sep*Fid	cmyp*_Fid	delta	
1053	NW_0860ad	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.099	0.108	0.099	0.0	0.173	0.108	0.099	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1054	NW_0970ad	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.054	0.054	0.054	0.0	0.09	0.054	0.054	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1055	NW_1000ad	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1056	NW_0060ad	0.066	0.066	0.066	0.066	0.066	0.066	0.066	1.0	1.0	1.0	0.0	0.935	0.855	0.825	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1057	NW_0130ad	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.0	0.0	0.0	0.0	0.799	0.763	0.725	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1058	NW_0260ad	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.0	0.0	0.0	0.0	0.731	0.661	0.614	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1059	NW_0460ad	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.0	0.0	0.0	0.0	0.682	0.571	0.537	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1060	NW_0530ad	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.0	0.0	0.0	0.0	0.636	0.507	0.485	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1061	NW_0660ad	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.0	0.0	0.0	0.0	0.574	0.404	0.381	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1062	NW_0730ad	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.0	0.0	0.0	0.0	0.509	0.354	0.333	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1063	NW_0860ad	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.0	0.0	0.0	0.0	0.442	0.285	0.278	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1064	NW_0970ad	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.0	0.0	0.0	0.0	0.377	0.228	0.228	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1065	NW_1000ad	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.314	0.191	0.186	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1066	Y06C_100_100ad	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.252	0.153	0.146	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1067	B06C_100_100ad	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.173	0.108	0.099	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1068	E50R_100_100ad	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.09	0.054	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1069	NW_0860ad	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.0	0.0	0.0	0.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1070	NW_0970ad	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.0	0.0	0.0	0.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1071	NW_1000ad	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1072	ROXY_100_100ad	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1073	ROXY_100_100ad	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1074	ROXY_100_100ad	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1075	Y06C_100_100ad	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1076	B06C_100_100ad	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1077	B06C_100_100ad	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1078	B06C_100_100ad	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1079	E50R_100_100ad	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

TUB-test chart QE87; hue code: H*_d=G25Bd colors and differences, ΔE**