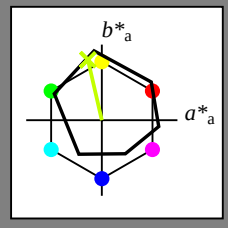
Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel}$ = h_{ab}/360 = 102/360 = 0.28

H^*_{-} = Y25G$_{-}$

Data for any device (d) or elementary (e) colour:
***HIC*$_{-}$**
hue text for the colours of this page:
H^*_{-} = Y25G$_{-}$
triangle lightness *T



ORS18a; adapted (a) CIELAB data

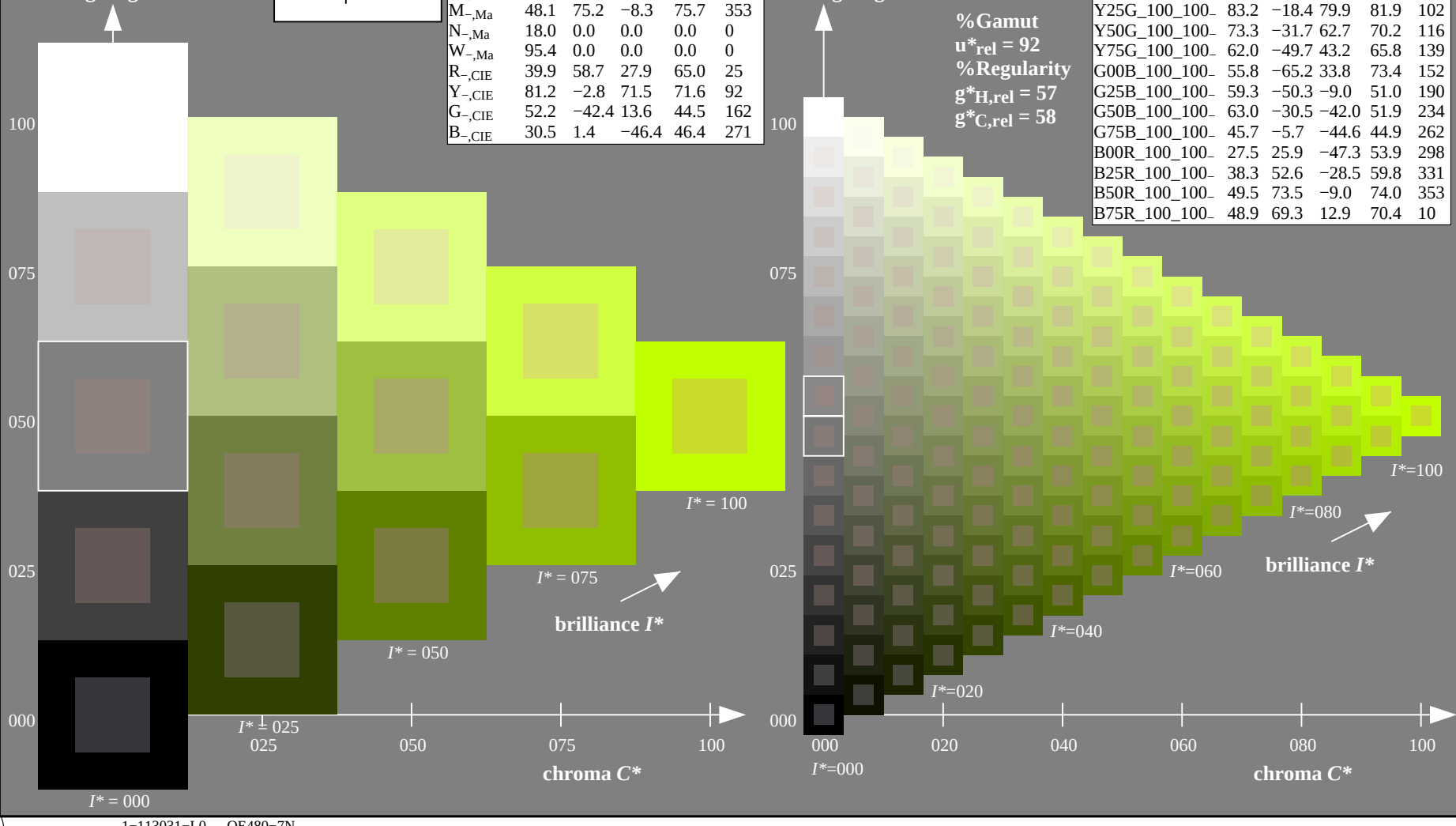
name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R$_{-}$,Ma	47.9	65.3	50.5	82.6	37
Y$_{-}$,Ma	90.3	−10.2	91.7	92.3	96
G$_{-}$,Ma	50.9	−62.8	34.9	71.9	150
C$_{-}$,Ma	58.6	−30.3	−45.0	54.2	236
B$_{-}$,Ma	25.7	31.0	−44.4	54.2	305
M$_{-}$,Ma	48.1	75.2	−8.3	75.7	353
N$_{-}$,Ma	18.0	0.0	0.0	0.0	0
W$_{-}$,Ma	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: 83 −18 79 81 102**
***HIC*$_{-}$,Ma: Y25G_100_100$_{-}$**
***rgbic*$_{-}$,Ma:**
0.76 1.0 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



1−113031−L0 QE480−7N

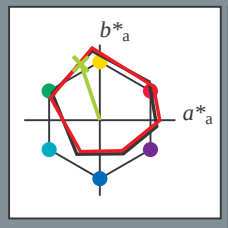
TUB-test chart QE48; hue code: H*$_{-}$=Y25G$_{-}$
Test chart according to DIN 33872, 3D=1, de=1, *cmy0**

input: *rgb/cmyk −> rgb/cmyk*
output: no change

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel}$ = h_{ab}/360 = 108/360 = 0.3

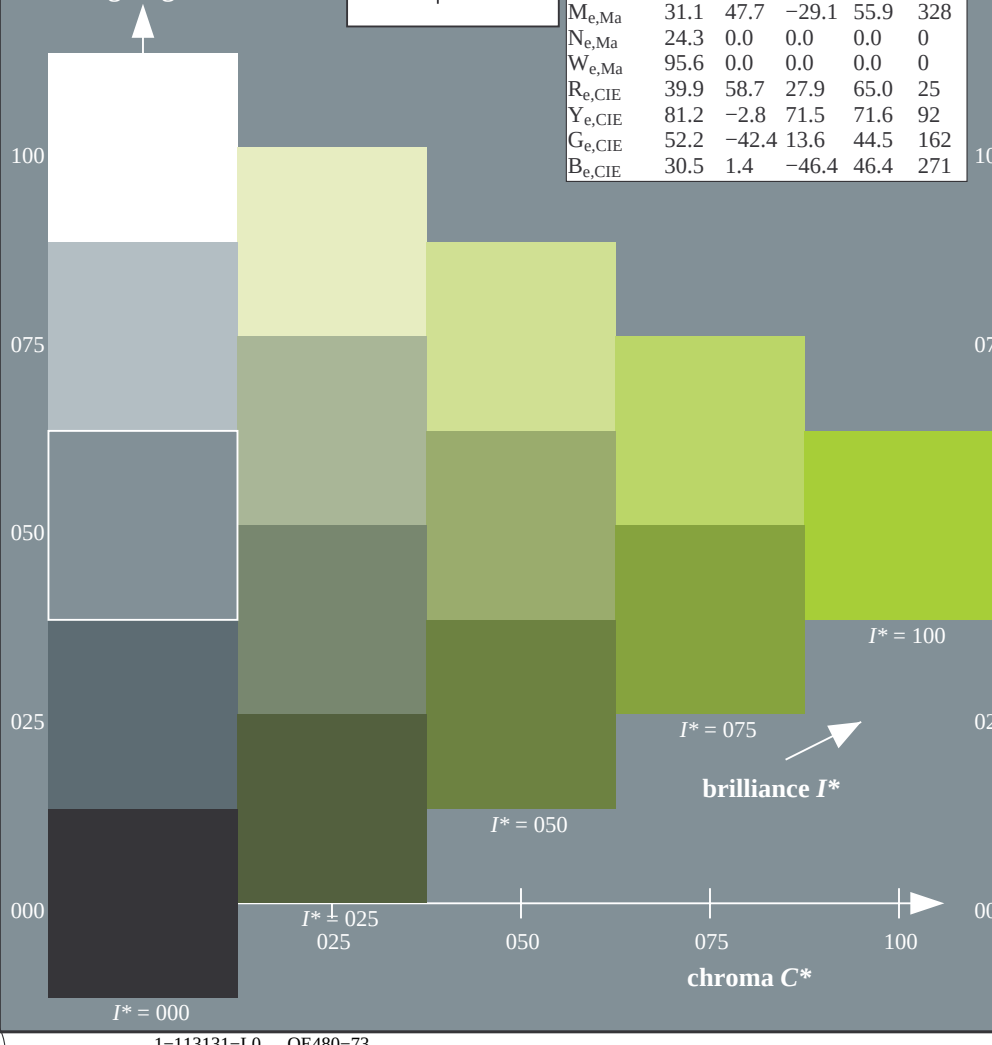
H^*_e = Y25G$_e$

Data for any device (d) or elementary (e) colour:
HIC$^*_e$
hue text for the colours of this page:
H^*_e = Y25G$_e$
triangle lightness *T



ORS20a; adapted (a) CIELAB data

name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R_{e,Ma}$	45.6	72.2	34.4	80.0	25
$Y_{e,Ma}$	83.6	−3.6	90.4	90.4	92
$G_{e,Ma}$	50.6	−62.1	19.9	65.2	162
$C_{e,Ma}$	55.0	−36.2	−27.2	45.3	216
$B_{e,Ma}$	40.2	1.2	−40.6	40.6	271
$M_{e,Ma}$	31.1	47.7	−29.1	55.9	328
$N_{e,Ma}$	24.3	0.0	0.0	0.0	0
$W_{e,Ma}$	95.6	0.0	0.0	0.0	0
$R_{e,CIE}$	39.9	58.7	27.9	65.0	25
$Y_{e,CIE}$	81.2	−2.8	71.5	71.6	92
$G_{e,CIE}$	52.2	−42.4	13.6	44.5	162
$B_{e,CIE}$	30.5	1.4	−46.4	46.4	271

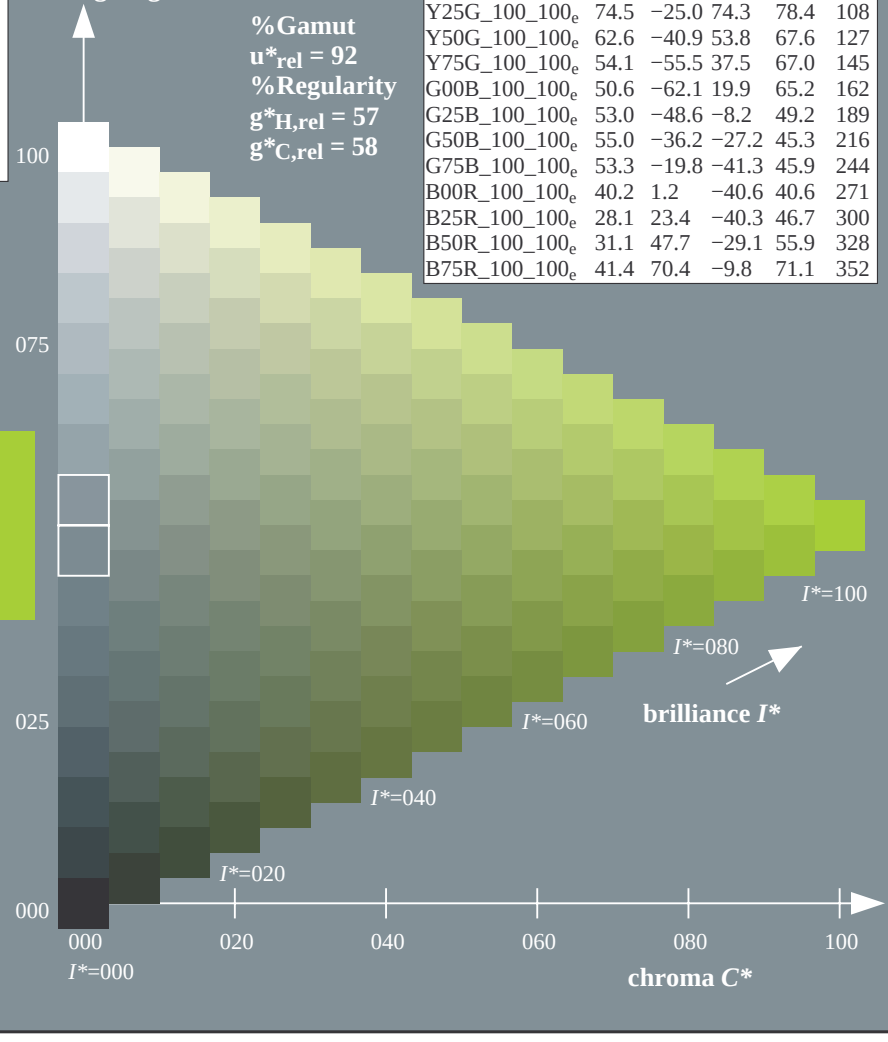


Data for maximum colour (Ma):
LabCh$^*_{e,Ma}$: 74 −25 74 78 108
HIC$^*_{e,Ma}$: Y25G_100_100$_e$
rgbic$^*_{e,Ma}$:
0.6 1.0 0.0 1.0 1.0
triangle lightness *T

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

ORS20a; adapted (a) CIELAB data

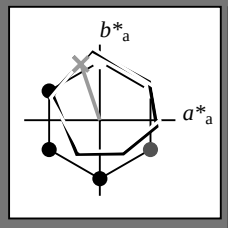
H^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100$_e$	45.6	72.2	34.4	80.0	25
R25Y_100_100$_e$	50.5	59.2	51.6	78.6	41
R50Y_100_100$_e$	60.2	38.2	63.4	74.1	58
R75Y_100_100$_e$	70.9	17.9	75.9	77.9	76
Y00G_100_100$_e$	83.6	−3.6	90.4	90.4	92
Y25G_100_100$_e$	74.5	−25.0	74.3	78.4	108
Y50G_100_100$_e$	62.6	−40.9	53.8	67.6	127
Y75G_100_100$_e$	54.1	−55.5	37.5	67.0	145
G00B_100_100$_e$	50.6	−62.1	19.9	65.2	162
G25B_100_100$_e$	53.0	−48.6	−8.2	49.2	189
G50B_100_100$_e$	55.0	−36.2	−27.2	45.3	216
G75B_100_100$_e$	53.3	−19.8	−41.3	45.9	244
B00R_100_100$_e$	40.2	1.2	−40.6	40.6	271
B25R_100_100$_e$	28.1	23.4	−40.3	46.7	300
B50R_100_100$_e$	31.1	47.7	−29.1	55.9	328
B75R_100_100$_e$	41.4	70.4	−9.8	71.1	352



Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel}$ = h_{ab}/360 = 108/360 = 0.3

H^*_e = Y25G$_e$

Data for any device (d) or elementary (e) colour:
***HIC*$^*_e$**
hue text for the colours of this page:
H^*_e = Y25G$_e$
triangle lightness *T



ORS20a; adapted (a) CIELAB data

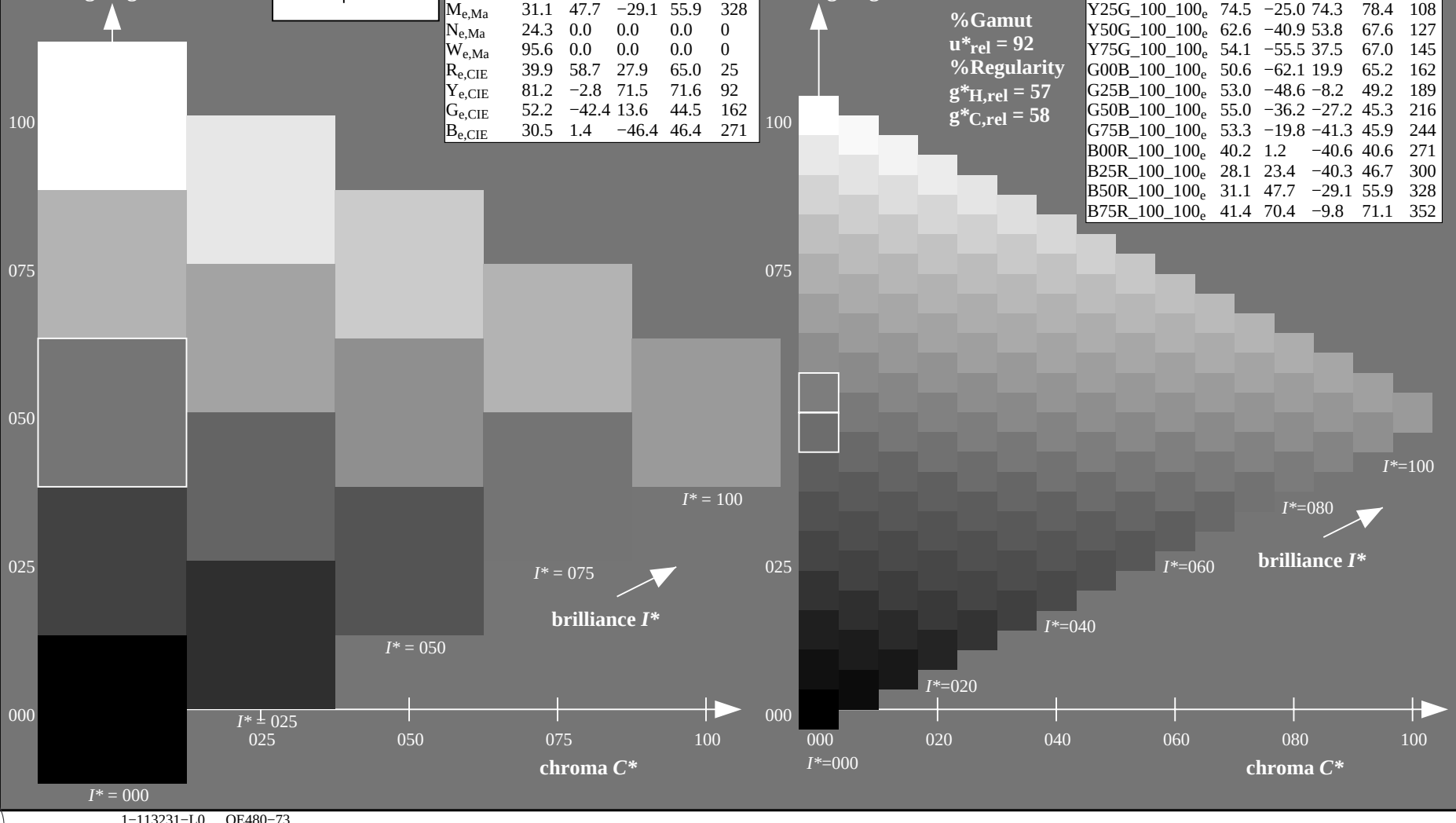
name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R_{e,Ma}$	45.6	72.2	34.4	80.0	25
$Y_{e,Ma}$	83.6	−3.6	90.4	90.4	92
$G_{e,Ma}$	50.6	−62.1	19.9	65.2	162
$C_{e,Ma}$	55.0	−36.2	−27.2	45.3	216
$B_{e,Ma}$	40.2	1.2	−40.6	40.6	271
$M_{e,Ma}$	31.1	47.7	−29.1	55.9	328
$N_{e,Ma}$	24.3	0.0	0.0	0.0	0
$W_{e,Ma}$	95.6	0.0	0.0	0.0	0
$R_{e,CIE}$	39.9	58.7	27.9	65.0	25
$Y_{e,CIE}$	81.2	−2.8	71.5	71.6	92
$G_{e,CIE}$	52.2	−42.4	13.6	44.5	162
$B_{e,CIE}$	30.5	1.4	−46.4	46.4	271

Data for maximum colour (Ma):
***LabCh*$^*_{e,Ma}$: 74 −25 74 78 108**
***HIC*$^*_{e,Ma}$: Y25G_100_100$_e$**
***rgbic*$^*_{e,Ma}$:**
0.6 1.0 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^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100$_e$	45.6	72.2	34.4	80.0	25
R25Y_100_100$_e$	50.5	59.2	51.6	78.6	41
R50Y_100_100$_e$	60.2	38.2	63.4	74.1	58
R75Y_100_100$_e$	70.9	17.9	75.9	77.9	76
Y00G_100_100$_e$	83.6	−3.6	90.4	90.4	92
Y25G_100_100$_e$	74.5	−25.0	74.3	78.4	108
Y50G_100_100$_e$	62.6	−40.9	53.8	67.6	127
Y75G_100_100$_e$	54.1	−55.5	37.5	67.0	145
G00B_100_100$_e$	50.6	−62.1	19.9	65.2	162
G25B_100_100$_e$	53.0	−48.6	−8.2	49.2	189
G50B_100_100$_e$	55.0	−36.2	−27.2	45.3	216
G75B_100_100$_e$	53.3	−19.8	−41.3	45.9	244
B00R_100_100$_e$	40.2	1.2	−40.6	40.6	271
B25R_100_100$_e$	28.1	23.4	−40.3	46.7	300
B50R_100_100$_e$	31.1	47.7	−29.1	55.9	328
B75R_100_100$_e$	41.4	70.4	−9.8	71.1	352



see similar files: http://130.149.60.45/~farbmetrik/QE48/QE48.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

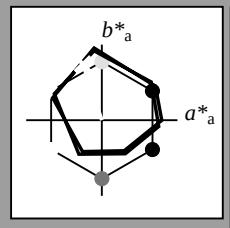
TUB registration: 20130201-QE48/QE48L0FA.TXT /.PS
application for measurement of offset print output, separation cmy0* (CMY0)
TUB material: code=rha4ta

QE4811L

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel}$ = h_{ab}/360 = 108/360 = 0.3

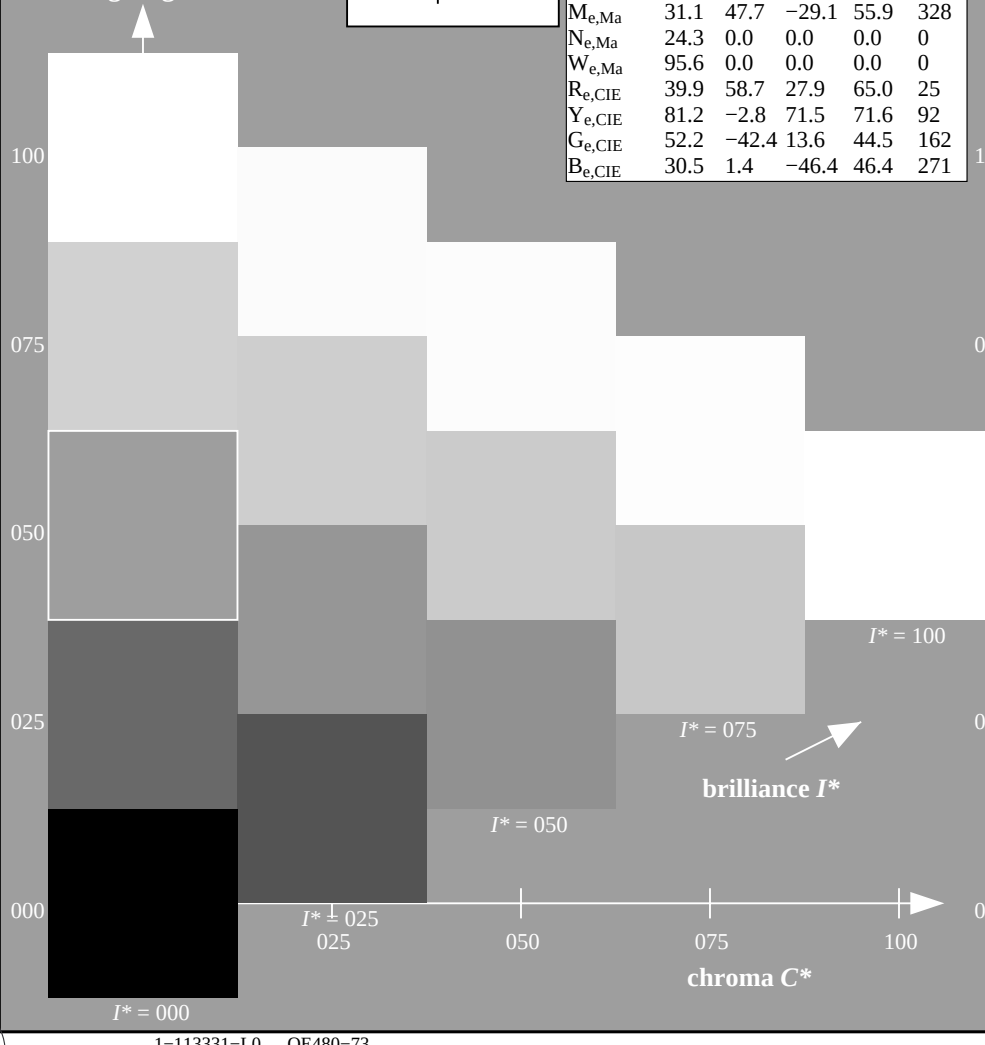
H^*_e = Y25G$_e$

Data for any device (d) or elementary (e) colour:
***HIC*$^*_e$**
hue text for the colours of this page:
H^*_e = Y25G$_e$
triangle lightness *T



ORS20a; adapted (a) CIELAB data

name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R_{e,Ma}$	45.6	72.2	34.4	80.0	25
$Y_{e,Ma}$	83.6	−3.6	90.4	90.4	92
$G_{e,Ma}$	50.6	−62.1	19.9	65.2	162
$C_{e,Ma}$	55.0	−36.2	−27.2	45.3	216
$B_{e,Ma}$	40.2	1.2	−40.6	40.6	271
$M_{e,Ma}$	31.1	47.7	−29.1	55.9	328
$N_{e,Ma}$	24.3	0.0	0.0	0.0	0
$W_{e,Ma}$	95.6	0.0	0.0	0.0	0
$R_{e,CIE}$	39.9	58.7	27.9	65.0	25
$Y_{e,CIE}$	81.2	−2.8	71.5	71.6	92
$G_{e,CIE}$	52.2	−42.4	13.6	44.5	162
$B_{e,CIE}$	30.5	1.4	−46.4	46.4	271

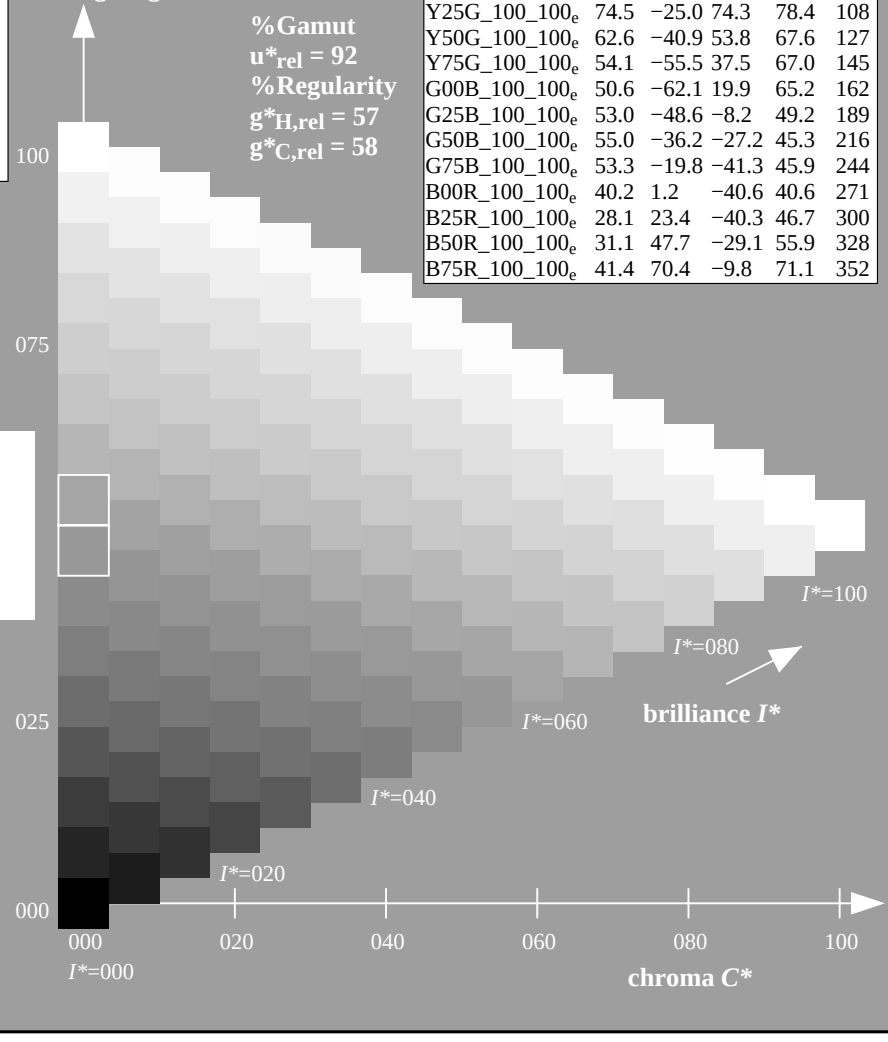


Data for maximum colour (Ma):
***LabCh*$^*_{e,Ma}$: 74 −25 74 78 108**
***HIC*$^*_{e,Ma}$: Y25G_100_100$_e$**
***rgbic*$^*_{e,Ma}$:**
0.6 1.0 0.0 1.0 1.0
triangle lightness *T**

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

ORS20a; adapted (a) CIELAB data

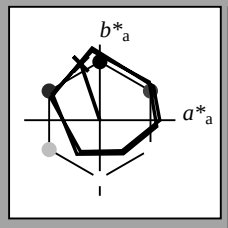
H^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100$_e$	45.6	72.2	34.4	80.0	25
R25Y_100_100$_e$	50.5	59.2	51.6	78.6	41
R50Y_100_100$_e$	60.2	38.2	63.4	74.1	58
R75Y_100_100$_e$	70.9	17.9	75.9	77.9	76
Y00G_100_100$_e$	83.6	−3.6	90.4	90.4	92
Y25G_100_100$_e$	74.5	−25.0	74.3	78.4	108
Y50G_100_100$_e$	62.6	−40.9	53.8	67.6	127
Y75G_100_100$_e$	54.1	−55.5	37.5	67.0	145
G00B_100_100$_e$	50.6	−62.1	19.9	65.2	162
G25B_100_100$_e$	53.0	−48.6	−8.2	49.2	189
G50B_100_100$_e$	55.0	−36.2	−27.2	45.3	216
G75B_100_100$_e$	53.3	−19.8	−41.3	45.9	244
B00R_100_100$_e$	40.2	1.2	−40.6	40.6	271
B25R_100_100$_e$	28.1	23.4	−40.3	46.7	300
B50R_100_100$_e$	31.1	47.7	−29.1	55.9	328
B75R_100_100$_e$	41.4	70.4	−9.8	71.1	352



Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel}$ = h_{ab}/360 = 108/360 = 0.3

H^*_e = Y25G$_e$

Data for any device (d) or elementary (e) colour:
*HIC**$_e$
hue text for the colours of this page:
H^*_e = Y25G$_e$
triangle lightness *T**



ORS20a; adapted (a) CIELAB data

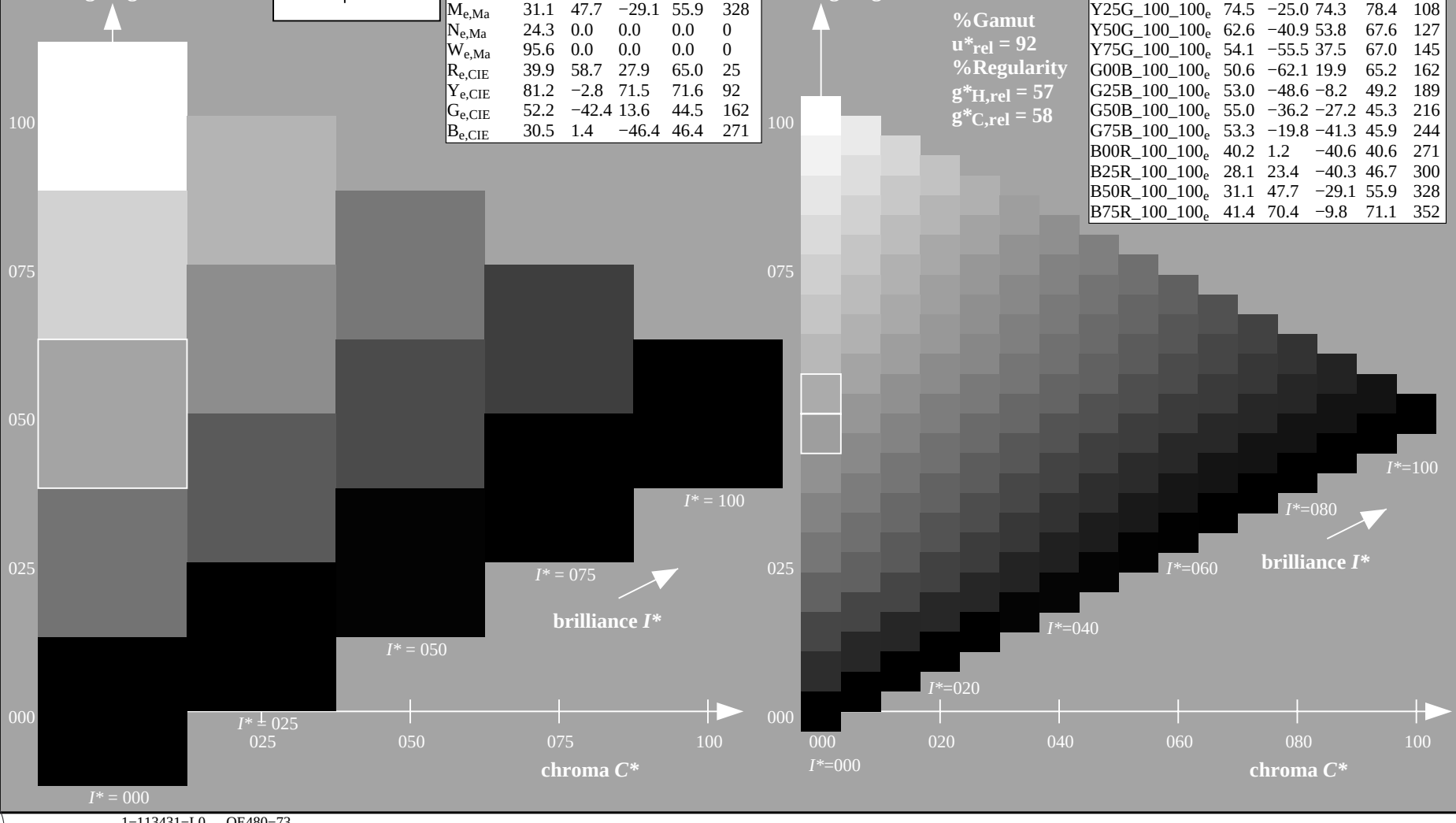
name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R_{e,Ma}$	45.6	72.2	34.4	80.0	25
$Y_{e,Ma}$	83.6	−3.6	90.4	90.4	92
$G_{e,Ma}$	50.6	−62.1	19.9	65.2	162
$C_{e,Ma}$	55.0	−36.2	−27.2	45.3	216
$B_{e,Ma}$	40.2	1.2	−40.6	40.6	271
$M_{e,Ma}$	31.1	47.7	−29.1	55.9	328
$N_{e,Ma}$	24.3	0.0	0.0	0.0	0
$W_{e,Ma}$	95.6	0.0	0.0	0.0	0
$R_{e,CIE}$	39.9	58.7	27.9	65.0	25
$Y_{e,CIE}$	81.2	−2.8	71.5	71.6	92
$G_{e,CIE}$	52.2	−42.4	13.6	44.5	162
$B_{e,CIE}$	30.5	1.4	−46.4	46.4	271

Data for maximum colour (Ma):
*LabCh**$_{e,Ma}$: 74 −25 74 78 108
*HIC**$_{e,Ma}$: Y25G_100_100$_e$
*rgbic**$_{e,Ma}$:
0.6 1.0 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^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100$_e$	45.6	72.2	34.4	80.0	25
R25Y_100_100$_e$	50.5	59.2	51.6	78.6	41
R50Y_100_100$_e$	60.2	38.2	63.4	74.1	58
R75Y_100_100$_e$	70.9	17.9	75.9	77.9	76
Y00G_100_100$_e$	83.6	−3.6	90.4	90.4	92
Y25G_100_100$_e$	74.5	−25.0	74.3	78.4	108
Y50G_100_100$_e$	62.6	−40.9	53.8	67.6	127
Y75G_100_100$_e$	54.1	−55.5	37.5	67.0	145
G00B_100_100$_e$	50.6	−62.1	19.9	65.2	162
G25B_100_100$_e$	53.0	−48.6	−8.2	49.2	189
G50B_100_100$_e$	55.0	−36.2	−27.2	45.3	216
G75B_100_100$_e$	53.3	−19.8	−41.3	45.9	244
B00R_100_100$_e$	40.2	1.2	−40.6	40.6	271
B25R_100_100$_e$	28.1	23.4	−40.3	46.7	300
B50R_100_100$_e$	31.1	47.7	−29.1	55.9	328
B75R_100_100$_e$	41.4	70.4	−9.8	71.1	352



QE48 11L

TUB registration: 20130201-QE48/QE48L0FA.TXT / .PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0* (CMY0)

see similar files: http://130.149.60.45/~farbmetrik/QE48/QE48.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

1−113531−L0 QE480−73

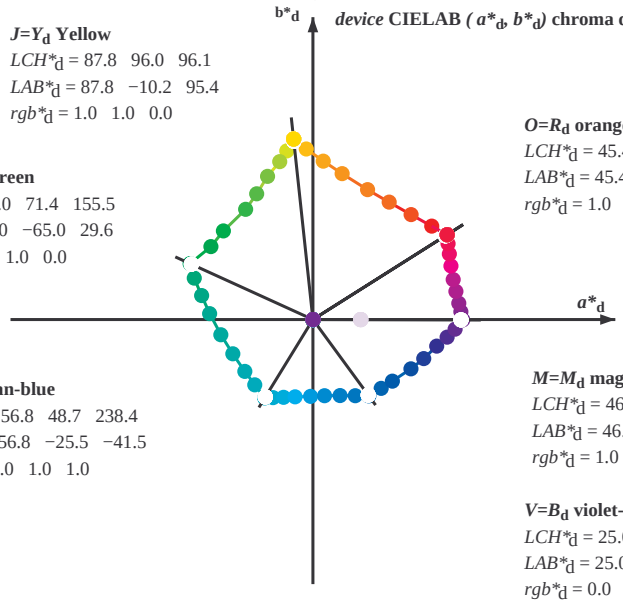
TUB-test chart QE48; hue code: $H^*_e=Y25G_e$
Test chart according to DIN 33872, 3D=1, de=1, *cmy0**

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

1−113531−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 *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

device CIELAB (a^*_d, b^*_d) chroma diagram



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

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

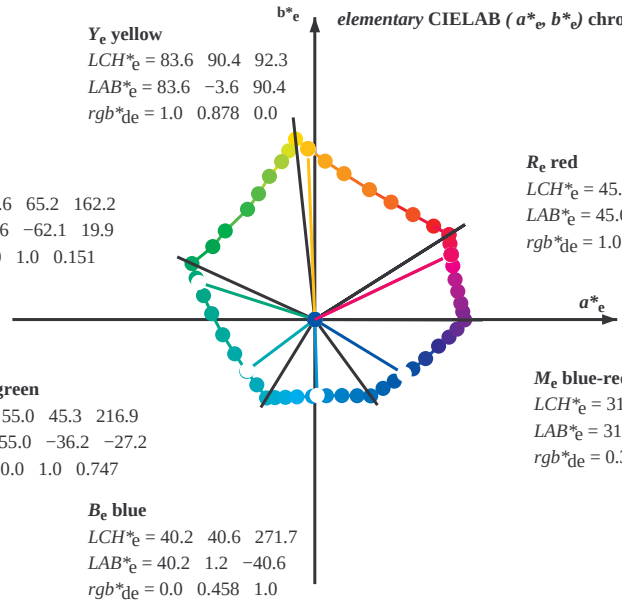
L=G_d leaf-green
LCH^*_d = 50.0 71.4 155.5
LAB^*_d = 50.0 −65.0 29.6
rgb^*_d = 0.0 1.0 0.0

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

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

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



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

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

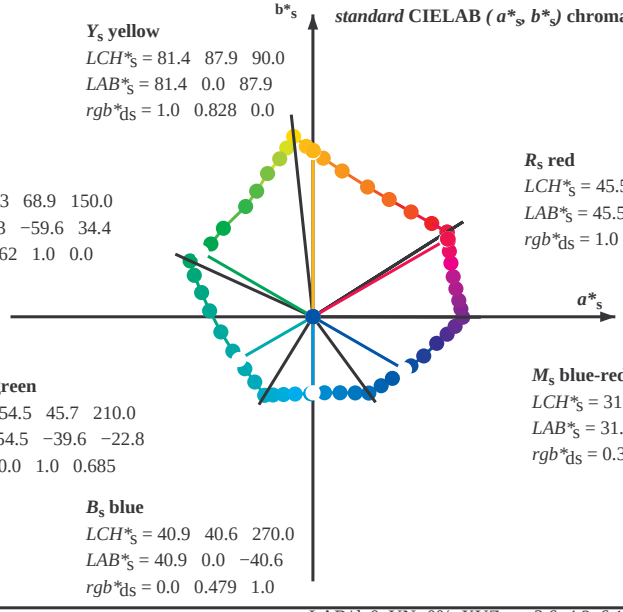
G_e green
LCH^*_e = 50.6 65.2 162.2
LAB^*_e = 50.6 −62.1 19.9
rgb^*_{de} = 0.0 1.0 0.151

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

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

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

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



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

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

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

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

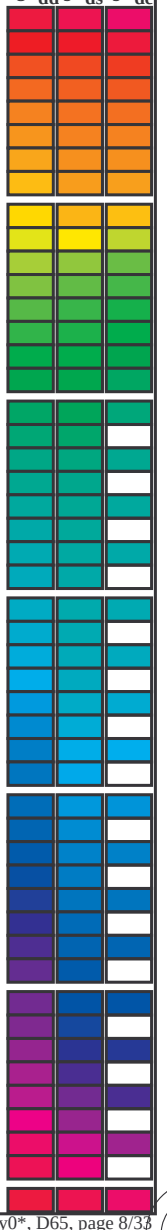
B_s blue
LCH^*_s = 40.9 40.6 270.0
LAB^*_s = 40.9 0.0 −40.6
rgb^*_{ds} = 0.0 0.479 1.0

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 $h_{ab,s}$ use for any device values rgb^*_d the equation:
$$h_{ab,s} = atan\ [\ r^*_d\ cos(30) + g^*_d\ cos(150)\ ]\ /\ [\ r^*_d\ sin(30) + g^*_d\ sin(150) + b^*_d\ sin(270)\ ] \quad (1)$$
3. 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:* $h_{ab,si}$ = 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:
$$h_{48ab,sij} = h_{ab,si} + j\ [h_{ab,si+1} - h_{ab,si}\ ]\ /8\ (\ i = 0, 1, ..., 5;\ j = 0, 1, ..., 7) \quad (2)$$
$$h_{360ab,sij} = h_{ab,si} + j\ [h_{ab,si+1} - h_{ab,si}\ ]\ /60\ (\ i = 0, 1, ..., 5;\ j = 0, 1, ..., 59) \quad (3)$$
4. 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:* $h_{ab,ei}$ = 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:
$$h_{48ab,eij} = h_{ab,ei} + j\ [h_{ab,ei+1} - h_{ab,ei}\ ]\ /8\ (\ i = 0, 1, ..., 5;\ j = 0, 1, ..., 7) \quad (4)$$
$$h_{360ab,eij} = h_{ab,ei} + j\ [h_{ab,ei+1} - h_{ab,ei}\ ]\ /60\ (\ i = 0, 1, ..., 5;\ j = 0, 1, ..., 59) \quad (5)$$
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.
6. The values rgb^*_{de} produce the output of the device-independent elementary hues

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**dd64M			*LAB**ddx64M (x=LabCh)					*rgb**ddx361M			*LAB**ddx361M (x=LabCh)					*rgb**dsx361M			*LAB**dsx361M (x=LabCh)					*rgb**dex361M			*LAB**dex361M					rgb*$_{dd}$ *rgb**$_{ds}$ *rgb**$_{de}$
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	1.0	0.0	0.096	45.5	71.4	41.2	82.4	30	1.0	0.0	0.255	45.7	72.2	34.4	80.0	25	
38.1	37.5	33.8	1.0	0.125	0.0	48.9	62.8	49.4	79.9	38.1	1.0	0.117	0.0	48.7	63.4	49.1	80.2	37	1.0	0.1	0.0	48.2	64.5	48.6	80.7	37	1.0	0.021	0.0	46.0	69.6	45.7	83.3	33	
46.8	45.0	42.1	1.0	0.25	0.0	53.6	51.9	55.5	76.0	46.8	1.0	0.25	0.0	53.7	52.0	55.5	76.0	46	1.0	0.223	0.0	52.7	54.4	54.4	76.9	45	1.0	0.183	0.0	51.1	57.9	52.5	78.1	42	
56.9	52.5	50.5	1.0	0.375	0.0	59.1	40.3	62.0	74.0	56.9	1.0	0.367	0.0	58.8	41.1	61.7	74.2	56	1.0	0.313	0.0	56.5	46.2	59.1	75.0	52	1.0	0.288	0.0	55.4	48.5	57.8	75.4	49	
67.1	60.0	58.8	1.0	0.5	0.0	64.9	28.9	68.6	74.5	67.1	1.0	0.5	0.0	64.9	28.9	68.7	74.5	67	1.0	0.412	0.0	60.9	37.1	64.2	74.2	60	1.0	0.398	0.0	60.3	38.3	63.5	74.1	58	
78.6	67.5	67.2	1.0	0.625	0.0	72.1	15.4	77.1	78.6	78.6	1.0	0.617	0.0	71.6	16.5	76.7	78.4	77	1.0	0.498	0.0	64.8	29.1	68.6	74.5	67	1.0	0.494	0.0	64.6	29.5	68.4	74.5	66	
86.2	75.0	75.6	1.0	0.75	0.0	77.9	5.4	83.8	84.0	86.2	1.0	0.75	0.0	77.9	5.5	83.9	84.1	86	1.0	0.585	0.0	69.8	20.0	74.7	77.4	75	1.0	0.592	0.0	70.2	19.3	75.2	77.6	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	0.867	0.0	83.1	−2.7	89.8	89.9	91	1.0	0.68	0.0	74.7	11.3	80.3	81.1	82	1.0	0.703	0.0	75.8	9.4	81.5	82.0	83	
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	1.0	0.829	0.0	81.4	0.0	88.0	88.0	90	1.0	0.879	0.0	83.6	−3.6	90.4	90.5	92	
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	0.959	1.0	0.0	86.7	−11.4	93.5	94.2	97	0.807	1.0	0.0	82.4	−15.8	86.2	87.7	100	
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	0.682	1.0	0.0	77.8	−21.2	79.4	82.2	105	0.583	1.0	0.0	73.7	−26.1	72.7	77.3	109	
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	0.54	1.0	0.0	72.1	−28.0	69.5	75.0	112	0.434	1.0	0.0	68.0	−32.9	62.2	70.5	117	
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	0.399	1.0	0.0	66.7	−34.5	59.9	69.2	120	0.322	1.0	0.0	62.6	−40.8	53.8	67.6	127	
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	0.325	1.0	0.0	62.8	−40.6	54.0	67.6	127	0.249	1.0	0.0	58.4	−47.4	46.8	66.6	135	
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	0.253	1.0	0.0	58.6	−47.0	47.1	66.7	135	0.122	1.0	0.0	54.6	−54.2	38.4	66.5	144	
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	0.159	1.0	0.0	55.7	−52.3	40.9	66.4	142	0.03	1.0	0.0	51.2	−62.4	32.0	70.2	152	
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	0.062	1.0	0.0	52.4	−59.6	34.5	68.9	150	0.0	1.0	0.151	50.7	−62.0	19.9	65.2	162	
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	0.0	1.0	0.035	50.2	−64.4	27.4	70.0	157	0.0	1.0	0.261	51.3	−58.5	11.8	59.8	168	
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	0.0	1.0	0.2	51.0	−60.5	16.2	62.8	165	0.0	1.0	0.364	52.0	−55.0	3.9	55.2	175	
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	0.0	1.0	0.309	51.6	−57.0	8.0	57.7	172	0.0	1.0	0.43	52.5	−52.2	−2.0	52.3	182	
189.3	180.0	189.6	0.0	1.0	0.5	52.9	−48.6	−8.0	49.3	189.3	0.0	1.0	0.5	53.0	−48.6	−7.9	49.3	189	0.0	1.0	0.407	52.3	−53.2	0.0	53.3	180	0.0	1.0	0.502	53.0	−48.5	−8.1	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	0.0	1.0	0.477	52.8	−49.9	−6.0	50.3	187	0.0	1.0	0.56	53.5	−45.9	−13.1	47.8	195	
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	0.0	1.0	0.551	53.4	−46.3	−12.3	48.0	195	0.0	1.0	0.626	54.1	−42.3	−18.1	46.1	203	
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	0.0	1.0	0.614	54.0	−42.9	−17.3	46.4	202	0.0	1.0	0.682	54.5	−39.6	−22.6	45.7	209	
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	0.0	1.0	0.685	54.5	−39.5	−22.8	45.7	210	0.0	1.0	0.747	55.0	−36.1	−27.2	45.3	216	
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	0.0	1.0	0.747	55.0	−36.1	−27.2	45.3	217	0.0	1.0	0.819	55.5	−33.2	−31.3	45.8	223	
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	0.0	1.0	0.837	55.6	−32.4	−32.4	45.9	225	0.0	1.0	0.904	56.1	−29.6	−36.1	46.8	230	
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	0.0	1.0	0.92	56.2	−28.9	−37.0	47.1	232	0.0	1.0	0.983	56.7	−26.2	−40.5	48.4	237	
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	0.0	0.956	1.0	55.9	−23.9	−41.4	48.0	240	0.0	0.847	1.0	53.3	−19.8	−41.3	45.9	244	
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	0.0	0.795	1.0	51.8	−17.4	−41.2	44.9	247	0.0	0.726	1.0	49.7	−14.3	−41.1	43.6	250	
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	0.0	0.657	1.0	47.5	−10.9	−40.9	42.5	255	0.0	0.613	1.0	46.1	−8.6	−40.8	41.9	258	
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	0.0	0.569	1.0	44.4	−5.7	−40.9	41.4	262	0.0	0.542	1.0	43.4	−3.9	−40.8	41.1	264	
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	0.0	0.479	1.0	41.0	0.0	−40.6	40.7	270	0.0	0.458	1.0	40.3	1.2	−40.6	40.7	271	
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	0.0	0.395	1.0	38.1	5.0	−40.3	40.7	277	0.0	0.378	1.0	37.5	5.9	−40.2	40.7	278	
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	0.0	0.303	1.0	34.8	10.8	−40.3	41.9	285	0.0	0.292	1.0	34.4	11.6	−40.3	42.0	285	
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	0.0	0.219	1.0	31.8	16.3	−40.3	43.6	292	0.0	0.211	1.0	31.5	16.8	−40.3	43.8	292	
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	0.0	0.109	1.0	28.2	23.3	−40.3	46.6	300	0.0	0.106	1.0	28.1	23.5	−40.3	46.7	300	
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	0.011	0.0	1.0	25.3	30.2	−40.0	50.2	307	0.009	0.0	1.0	25.3	30.1	−40.1	50.2	306	
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	0.13	0.0	1.0	27.9	36.3	−36.2	51.3	315	0.12	0.0	1.0	27.8	35.8	−36.5	51.2	314	
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	0.247	0.0	1.0	28.9	41.9	−32.6	53.1	322	0.231	0.0	1.0	28.7	41.1	−33.2	52.9	321	
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	0.337	0.0	1.0	31.6	49.0	−28.2	56.6	330	0.322	0.0	1.0	31.1	47.8	−29.1	56.0	328	
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	0.438	0.0	1.0	34.2	55.4	−23.4	60.1	337	0.408	0.0	1.0	33.5	53.7	−24.7	59.1	335	
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	0.576	0.0	1.0	37.1	62.9	−16.7	65.1	345	0.539	0.0	1.0	36.4	60.8	−18.7	63.7	342	
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	0.735	0.0	1.0	41.4	70.4	−9.8	71.1	352	0.667	0.0	1.0	39.3	67.4	−12.4	68.5	349	
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	1.0	0.0	0.994	46.1	79.3	0.0	79.3	360	0.736	0.0	1.0	41.4	70.5	−9.7	71.1	352	
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	1.0	0.0	0.734	46.0	77.0	9.5	77.6	367	1.0	0.0	1.0	46.1	79.3	−0.1	79.3	359	
385.6	375.0	371.2	1.0	0.0	0.25	45.6	72.1	34.6	80.0	385.6	1.0	0.0	0.25	45.6	72.2	34.7	80.1	385	1.0	0.0	0.524	45.9	74.5	20.0	77.2	375	1.0	0.0	0.687	46.0	76.5	11.8	77.4	368	
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	1.0	0.0	0.353	45.8	72.9	29.4	78.6	382	1.0	0.0	0.485	45.9	74.1	22.0	77.3	376	
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	1.0	0.0	0.096	45.5	71.4	41.2	82.4	390	1.0	0.0	0.255	45.7	72.2	34.4	80.0	385	



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** dd64M			*LAB** ddx64M (x=LabCh)				
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

*rgb** dex361M			*LAB** dex361M					rgb*$_{dd}$ *rgb*$_{ds}$ *rgb*$_{de}$
1.0	0.0	0.255	45.7	72.2	34.4	80.0	25	
1.0	0.021	0.0	46.0	69.6	45.7	83.3	33	
1.0	0.183	0.0	51.1	57.9	52.5	78.1	42	
1.0	0.288	0.0	55.4	48.5	57.8	75.4	49	
1.0	0.398	0.0	60.3	38.3	63.5	74.1	58	
1.0	0.494	0.0	64.6	29.5	68.4	74.5	66	
1.0	0.592	0.0	70.2	19.3	75.2	77.6	75	
1.0	0.703	0.0	75.8	9.4	81.5	82.0	83	
1.0	0.879	0.0	83.6	−3.6	90.4	90.5	92	
0.807	1.0	0.0	82.4	−15.8	86.2	87.7	100	
0.583	1.0	0.0	73.7	−26.1	72.7	77.3	109	
0.434	1.0	0.0	68.0	−32.9	62.2	70.5	117	
0.322	1.0	0.0	62.6	−40.8	53.8	67.6	127	
0.249	1.0	0.0	58.4	−47.4	46.8	66.6	135	
0.122	1.0	0.0	54.6	−54.2	38.4	66.5	144	
0.03	1.0	0.0	51.2	−62.4	32.0	70.2	152	
0.0	1.0	0.151	50.7	−62.0	19.9	65.2	162	
0.0	1.0	0.261	51.3	−58.5	11.8	59.8	168	
0.0	1.0	0.364	52.0	−55.0	3.9	55.2	175	
0.0	1.0	0.43	52.5	−52.2	−2.0	52.3	182	
0.0	1.0	0.502	53.0	−48.5	−8.1	49.3	189	
0.0	1.0	0.56	53.5	−45.9	−13.1	47.8	195	
0.0	1.0	0.626	54.1	−42.3	−18.1	46.1	203	
0.0	1.0	0.682	54.5	−39.6	−22.6	45.7	209	
0.0	1.0	0.747	55.0	−36.1	−27.2	45.3	216	
0.0	1.0	0.819	55.5	−33.2	−31.3	45.8	223	
0.0	1.0	0.904	56.1	−29.6	−36.1	46.8	230	
0.0	1.0	0.983	56.7	−26.2	−40.5	48.4	237	
0.0	0.847	1.0	53.3	−19.8	−41.3	45.9	244	
0.0	0.726	1.0	49.7	−14.3	−41.1	43.6	250	
0.0	0.613	1.0	46.1	−8.6	−40.8	41.9	258	
0.0	0.542	1.0	43.4	−3.9	−40.8	41.1	264	
0.0	0.458	1.0	40.3	1.2	−40.6	40.7	271	
0.0	0.378	1.0	37.5	5.9	−40.2	40.7	278	
0.0	0.292	1.0	34.4	11.6	−40.3	42.0	285	
0.0	0.211	1.0	31.5	16.8	−40.3	43.8	292	
0.0	0.106	1.0	28.1	23.5	−40.3	46.7	300	
0.009	0.0	1.0	25.3	30.1	−40.1	50.2	306	
0.12	0.0	1.0	27.8	35.8	−36.5	51.2	314	
0.231	0.0	1.0	28.7	41.1	−33.2	52.9	321	
0.322	0.0	1.0	31.1	47.8	−29.1	56.0	328	
0.408	0.0	1.0	33.5	53.7	−24.7	59.1	335	
0.539	0.0	1.0	36.4	60.8	−18.7	63.7	342	
0.667	0.0	1.0	39.3	67.4	−12.4	68.5	349	
0.736	0.0	1.0	41.4	70.5	−9.7	71.1	352	
1.0	0.0	1.0	46.1	79.3	−0.1	79.3	359	
1.0	0.0	0.687	46.0	76.5	11.8	77.4	368	
1.0	0.0	0.485	45.9	74.1	22.0	77.3	376	
1.0	0.0	0.255	45.7	72.2	34.4	80.0	385	

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

*rgb*dd* *rgb*ds* *rgb*de*

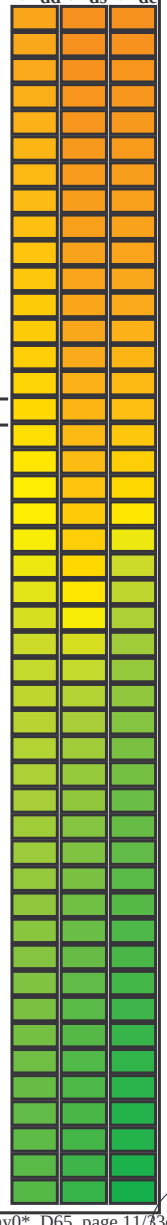
see similar files: http://130.149.60.45/~farbmetrik/QE48/QE48.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE48/QE48L0FA.TXT /.PS
application for measurement of offset print output, separation cmy0* (CMY0)

TUB material: code=rha4ta

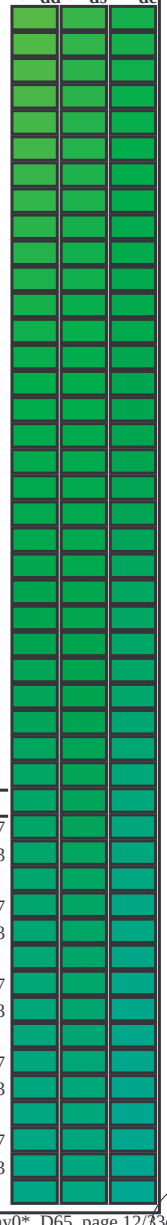
Data of Maximum color M in colorimetric system Offset standard print; separation cmy0*, D65 for input or output; Six hue angles of the 60 degree standard colours *RYGCBM*$_s$: $h_{ab,ds}$ = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;
Six hue angles of the device colours *RYGCBM*$_d$: $h_{ab,d}$ = 32.3, 96.1, 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*ddx361Mi (x=LabCh)*					*rgb*ds361Mi*			*LAB*dsx361Mi (x=LabCh)*					*rgb*dd361M*			*rgb*de361Mi*			*LAB*dex361Mi (x=LabCh)*					*rgb*dd361Mi*			*rgb*dd* *rgb*ds* *rgb*de*
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	Y_d	1.0	0.829	0.0	81.4	0.0	88.0	88.0	90	Y_s	1.0	1.0	0.0	1.0	0.879	0.0	83.6	−3.6	90.4	90.5	92	Y_e	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	121	0.583	1.0	0.0	
110	116	122	0.566	1.0	0.0	73.1	−26.9	71.4	76.3	110	0.467	1.0	0.0	69.3	−31.3	64.4	71.7	116	0.567	1.0	0.0	0.364	1.0	0.0	65.1	−36.6	57.4	68.2	122	0.567	1.0	0.0	
111	117	123	0.55	1.0	0.0	72.4	−27.6	70.2	75.5	111	0.45	1.0	0.0	68.7	−32.2	63.3	71.0	117	0.55	1.0	0.0	0.354	1.0	0.0	64.5	−37.7	56.6	68.0	123	0.55	1.0	0.0	
112	118	124	0.533	1.0	0.0	71.8	−28.3	69.0	74.6	112	0.433	1.0	0.0	68.0	−33.0	62.2	70.4	118	0.533	1.0	0.0	0.343	1.0	0.0	63.9	−38.8	55.7	67.9	124	0.533	1.0	0.0	
113	119	126	0.516	1.0	0.0	71.2	−29.0	67.7	73.7	113	0.416	1.0	0.0	67.3	−33.7	61.1	69.8	119	0.517	1.0	0.0	0.333	1.0	0.0	63.3	−39.8	54.7	67.8	126	0.517	1.0	0.0	
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	0.322	1.0	0.0	62.6	−40.8	53.8	67.6	127	0.5	1.0	0.0	



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 *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*			*rgb*de361Mi*			*LAB*dex361Mi (x=LabCh)*					*rgb*dd361Mi*		
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	0.322	1.0	0.0	62.6	−40.8	53.8	67.6	127	0.5	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	0.312	1.0	0.0	62.0	−41.8	52.9	67.5	128	0.483	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	0.301	1.0	0.0	61.4	−42.8	51.9	67.3	129	0.467	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	0.291	1.0	0.0	60.8	−43.8	50.9	67.2	130	0.45	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	0.28	1.0	0.0	60.2	−44.7	49.9	67.0	131	0.433	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	0.27	1.0	0.0	59.6	−45.6	48.9	66.9	133	0.417	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	0.259	1.0	0.0	59.0	−46.5	47.8	66.8	134	0.4	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	0.249	1.0	0.0	58.4	−47.4	46.8	66.6	135	0.383	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	0.233	1.0	0.0	57.9	−48.3	45.8	66.6	136	0.367	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	0.217	1.0	0.0	57.4	−49.2	44.7	66.6	137	0.35	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	0.201	1.0	0.0	57.0	−50.0	43.7	66.5	138	0.333	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	0.185	1.0	0.0	56.5	−50.9	42.7	66.5	140	0.317	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	0.169	1.0	0.0	56.0	−51.7	41.6	66.5	141	0.3	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	0.153	1.0	0.0	55.5	−52.5	40.5	66.4	142	0.283	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	0.137	1.0	0.0	55.1	−53.3	39.4	66.4	143	0.267	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	0.122	1.0	0.0	54.6	−54.2	38.4	66.5	144	0.25	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	0.108	1.0	0.0	54.1	−55.4	37.6	67.0	145	0.233	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	0.095	1.0	0.0	53.6	−56.6	36.7	67.6	147	0.217	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	0.082	1.0	0.0	53.1	−57.8	35.8	68.1	148	0.2	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	0.069	1.0	0.0	52.6	−59.0	34.9	68.6	149	0.183	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	0.056	1.0	0.0	52.1	−60.1	34.0	69.2	150	0.167	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	0.043	1.0	0.0	51.7	−61.3	33.0	69.7	151	0.15	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	0.03	1.0	0.0	51.2	−62.4	32.0	70.2	152	0.133	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	0.016	1.0	0.0	50.7	−63.5	30.9	70.8	154	0.117	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	0.003	1.0	0.0	50.2	−64.6	29.9	71.3	155	0.1	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	0.0	54.5	−54.5	38.2	66.6	145	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
149	146	157	0.066	1.0	0.0	52.5	−59.2	34.7	68.7	149	0.107	1.0	0.0	54.1	−55.5	37.5	67.1	146	0.067	1.0	0.0	0.0	1.0	0.049	50.3	−64.2	26.5	69.5	157	0.067	1.0	0.0
151	147	158	0.049	1.0	0.0	51.9	−60.7	33.5	69.4	151	0.096	1.0	0.0	53.7	−56.5	36.8	67.5	147	0.05	1.0	0.0	0.0	1.0	0.077	50.4	−63.7	24.8	68.4	158	0.05	1.0	0.0
152	148	159	0.033	1.0	0.0	51.3	−62.2	32.2	70.0	152	0.085	1.0	0.0	53.2	−57.6	36.0	68.0	148	0.033	1.0	0.0	0.0	1.0	0.104	50.5	−63.1	23.1	67.3	159	0.033	1.0	0.0
154	149	161	0.016	1.0	0.0	50.6	−63.6	30.9	70.7	154	0.074	1.0	0.0	52.8	−58.6	35.3	68.4	149	0.017	1.0	0.0	0.0	1.0	0.13	50.6	−62.6	21.5	66.3	161	0.017	1.0	0.0
155	150	162	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155	G_d	0.062	1.0	0.0	52.4	−59.6	34.5	68.9	150	G_s	0.0	1.0	0.0	0.0	1.0	0.151	50.7	−62.0	19.9	65.2	162	G_e	0.0	1.0	0.0
156	151	163	0.0	1.0	0.016	50.1	−64.7	28.5	70.7	156	0.051	1.0	0.0	52.0	−60.6	33.6	69.4	151	0.0	1.0	0.017	0.0	1.0	0.167	50.8	−61.6	18.7	64.4	163	0.0	1.0	0.017
156	152	164	0.0	1.0	0.033	50.1	−64.5	27.4	70.1	156	0.04	1.0	0.0	51.5	−61.6	32.8	69.8	152	0.0	1.0	0.033	0.0	1.0	0.183	50.9	−61.1	17.5	63.6	164	0.0	1.0	0.033
157	153	164	0.0	1.0	0.05	50.2	−64.2	26.4	69.4	157	0.028	1.0	0.0	51.1	−62.5	31.9	70.3	153	0.0	1.0	0.05	0.0	1.0	0.2	51.0	−60.6	16.3	62.8	164	0.0	1.0	0.05
158	154	165	0.0	1.0	0.066	50.3	−63.9	25.4	68.8	158	0.017	1.0	0.0	50.7	−63.5	31.0	70.7	154	0.0	1.0	0.067	0.0	1.0	0.216	51.0	−60.0	15.1	62.0	165	0.0	1.0	0.067
159	155	166	0.0	1.0	0.083	50.3	−63.6	24.4	68.1	159	0.006	1.0	0.0	50.3	−64.4	30.1	71.2	155	0.0	1.0	0.083	0.0	1.0	0.232	51.1	−59.5	14.0	61.2	166	0.0	1.0	0.083
159	156	167	0.0	1.0	0.1	50.4	−63.3	23.4	67.5	159	0.0	1.0	0.012	50.1	−64.7	28.9	71.0	156	0.0	1.0	0.1	0.0	1.0	0.248	51.2	−58.9	12.9	60.4	167	0.0	1.0	0.1
160	157	168	0.0	1.0	0.116	50.5	−62.9	22.4	66.8	160	0.0	1.0	0.035	50.2	−64.4	27.4	70.0	157	0.0	1.0	0.117	0.0	1.0	0.261	51.3	−58.5	11.8	59.8	168	0.0	1.0	0.117
161	158	169	0.0	1.0	0.133	50.5	−62.5	21.2	66.1	161	0.0	1.0	0.059	50.3	−64.0	25.9	69.1	158	0.0	1.0	0.133	0.0	1.0	0.274	51.4	−58.1	10.8	59.2	169	0.0	1.0	0.133
162	159	170	0.0	1.0	0.15	50.6	−62.1	19.9	65.2	162	0.0	1.0	0.083	50.4	−63.5	24.4	68.2	159	0.0	1.0	0.15	0.0	1.0	0.287	51.5	−57.7	9.7	58.6	170	0.0	1.0	0.15
163	160	171	0.0	1.0	0.166	50.7	−61.6	18.7	64.4	163	0.0	1.0	0.107	50.5	−63.1	23.0	67.2	160	0.0	1.0	0.167	0.0	1.0	0.3	51.5	−57.3	8.7	58.1	171	0.0	1.0	0.167
164	161	172	0.0	1.0	0.183	50.8	−61.1	17.4	63.6	164	0.0	1.0	0.129	50.6	−62.6	21.6	66.3	161	0.0	1.0	0.183	0.0	1.0	0.313	51.6	−56.9	7.7	57.5	172	0.0	1.0	0.183
164	162	173	0.0	1.0	0.2	50.9	−60.6	16.2	62.7	164	0.0	1.0	0.147	50.7	−62.1	20.2	65.4	162	0.0	1.0	0.2	0.0	1.0	0.325	51.7	−56.4	6.8	56.9	173	0.0	1.0	0.2
165	163	174	0.0	1.0	0.216	51.0	−60.1	15.0	61.9	165	0.0	1.0	0.165	50.8	−61.6	18.9	64.5	163	0.0	1.0	0.217	0.0	1.0	0.338	51.8	−55.9	5.8	56.3	174	0.0	1.0	0.217
166	164	175	0.0	1.0	0.233	51.1	−59.5	13.9	61.1	166	0.0	1.0	0.183	50.9	−61.1	17.5	63.7	164	0.0	1.0	0.233	0.0	1.0	0.351	51.9	−55.5	4.9	55.8	175	0.0	1.0	0.233
167	165	175	0.0	1.0	0.25	51.2	−58.9	12.7	60.3	167	0.0	1.0	0.2	51.0	−60.5	16.2	62.8	165	0.0	1.0	0.25	0.0	1.0	0.364	52.0	−55.0	3.9	55.2	175	0.0	1.0	0.25



QE4811L

TUB registration: 20130201-QE48/QE48L0FA.TXT /.PS
application for measurement of offset print output, separation cmy0* (CMY0)

TUB material: code=rha4ta

see similar files: http://130.149.60.45/~farbmetrik/QE48/QE48.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

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			*rgb**de361Mi			*LAB**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	0.2	51.0	−60.5	16.2	62.8	165	0.0	1.0	0.25	0.0	1.0	0.364	52.0	−55.0	3.9	55.2	175	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	0.218	51.1	−60.0	15.0	61.9	166	0.0	1.0	0.267	0.0	1.0	0.376	52.0	−54.5	3.0	54.6	176	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	0.236	51.2	−59.3	13.7	61.0	167	0.0	1.0	0.283	0.0	1.0	0.385	52.1	−54.1	2.1	54.3	177	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	0.253	51.2	−58.8	12.5	60.2	168	0.0	1.0	0.3	0.0	1.0	0.394	52.2	−53.8	1.3	53.9	178	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	0.267	51.3	−58.4	11.4	59.5	169	0.0	1.0	0.317	0.0	1.0	0.403	52.2	−53.4	0.4	53.5	179	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	0.281	51.4	−57.9	10.2	58.9	170	0.0	1.0	0.333	0.0	1.0	0.412	52.3	−53.0	−0.3	53.1	180	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	0.295	51.5	−57.5	9.1	58.3	171	0.0	1.0	0.35	0.0	1.0	0.421	52.4	−52.6	−1.2	52.7	181	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	0.309	51.6	−57.0	8.0	57.7	172	0.0	1.0	0.367	0.0	1.0	0.43	52.5	−52.2	−2.0	52.3	182	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	0.323	51.7	−56.5	6.9	57.0	173	0.0	1.0	0.383	0.0	1.0	0.439	52.5	−51.8	−2.8	51.9	183	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	0.337	51.8	−56.0	5.9	56.4	174	0.0	1.0	0.4	0.0	1.0	0.448	52.6	−51.3	−3.6	51.6	184	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	0.351	51.9	−55.5	4.9	55.8	175	0.0	1.0	0.417	0.0	1.0	0.457	52.7	−50.9	−4.4	51.2	185	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	0.365	52.0	−54.9	3.8	55.1	176	0.0	1.0	0.433	0.0	1.0	0.466	52.7	−50.4	−5.2	50.8	185	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	0.378	52.0	−54.4	2.9	54.6	177	0.0	1.0	0.45	0.0	1.0	0.475	52.8	−49.9	−5.9	50.4	186	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	0.388	52.1	−54.0	1.9	54.1	178	0.0	1.0	0.467	0.0	1.0	0.484	52.9	−49.5	−6.7	50.0	187	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	0.398	52.2	−53.6	0.9	53.7	179	0.0	1.0	0.483	0.0	1.0	0.493	52.9	−49.0	−7.4	49.6	188	0.0	1.0	0.483			
189	180	189	0.0	1.0	0.5	52.9	−48.6	−8.0	49.3	189	0.0	1.0	0.407	52.3	−53.2	0.0	53.3	180	0.0	1.0	0.5	0.0	1.0	0.502	53.0	−48.5	−8.1	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	0.417	52.4	−52.8	−0.8	52.9	181	0.0	1.0	0.517	0.0	1.0	0.51	53.1	−48.2	−8.9	49.1	190	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	0.427	52.4	−52.3	−1.7	52.5	182	0.0	1.0	0.533	0.0	1.0	0.519	53.1	−47.8	−9.6	48.9	191	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	0.437	52.5	−51.9	−2.6	52.0	183	0.0	1.0	0.55	0.0	1.0	0.527	53.2	−47.4	−10.3	48.7	192	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	0.447	52.6	−51.4	−3.5	51.6	184	0.0	1.0	0.567	0.0	1.0	0.535	53.3	−47.1	−11.0	48.4	193	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	0.457	52.7	−50.9	−4.4	51.2	185	0.0	1.0	0.583	0.0	1.0	0.543	53.4	−46.7	−11.7	48.2	194	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	0.467	52.7	−50.4	−5.2	50.8	186	0.0	1.0	0.6	0.0	1.0	0.552	53.4	−46.3	−12.4	48.0	195	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	0.477	52.8	−49.9	−6.0	50.3	187	0.0	1.0	0.617	0.0	1.0	0.56	53.5	−45.9	−13.1	47.8	195	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	0.486	52.9	−49.3	−6.8	49.9	188	0.0	1.0	0.633	0.0	1.0	0.568	53.6	−45.4	−13.7	47.6	196	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	0.496	53.0	−48.8	−7.6	49.5	189	0.0	1.0	0.65	0.0	1.0	0.576	53.6	−45.0	−14.4	47.4	197	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	0.506	53.0	−48.4	−8.4	49.2	190	0.0	1.0	0.667	0.0	1.0	0.585	53.7	−44.6	−15.0	47.2	198	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	0.515	53.1	−48.0	−9.2	49.0	191	0.0	1.0	0.683	0.0	1.0	0.593	53.8	−44.1	−15.7	47.0	199	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	0.524	53.2	−47.6	−10.0	48.7	192	0.0	1.0	0.7	0.0	1.0	0.601	53.8	−43.7	−16.3	46.7	200	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	0.533	53.3	−47.2	−10.8	48.5	193	0.0	1.0	0.717	0.0	1.0	0.609	53.9	−43.2	−16.9	46.5	201	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	0.542	53.3	−46.7	−11.6	48.3	194	0.0	1.0	0.733	0.0	1.0	0.618	54.0	−42.7	−17.5	46.3	202	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	0.551	53.4	−46.3	−12.3	48.0	195	0.0	1.0	0.75	0.0	1.0	0.626	54.1	−42.3	−18.1	46.1	203	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	0.56	53.5	−45.9	−13.1	47.8	196	0.0	1.0	0.767	0.0	1.0	0.634	54.1	−41.9	−18.8	46.1	204	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	0.569	53.6	−45.4	−13.8	47.6	197	0.0	1.0	0.783	0.0	1.0	0.642	54.2	−41.6	−19.4	46.0	205	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	0.578	53.6	−44.9	−14.5	47.3	198	0.0	1.0	0.8	0.0	1.0	0.65	54.2	−41.2	−20.1	46.0	206	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	0.587	53.7	−44.4	−15.2	47.1	199	0.0	1.0	0.817	0.0	1.0	0.658	54.3	−40.8	−20.7	45.9	206	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	0.596	53.8	−43.9	−15.9	46.9	200	0.0	1.0	0.833	0.0	1.0	0.666	54.4	−40.4	−21.3	45.9	207	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	0.605	53.9	−43.4	−16.6	46.6	201	0.0	1.0	0.85	0.0	1.0	0.674	54.4	−40.0	−21.9	45.8	208	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	0.614	54.0	−42.9	−17.3	46.4	202	0.0	1.0	0.867	0.0	1.0	0.682	54.5	−39.6	−22.6	45.7	209	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	0.623	54.0	−42.4	−17.9	46.2	203	0.0	1.0	0.883	0.0	1.0	0.691	54.6	−39.2	−23.2	45.7	210	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	0.632	54.1	−42.0	−18.6	46.1	204	0.0	1.0	0.9	0.0	1.0	0.699	54.6	−38.8	−23.8	45.6	211	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	0.641	54.2	−41.6	−19.3	46.0	205	0.0	1.0	0.917	0.0	1.0	0.707	54.7	−38.4	−24.3	45.6	212	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	0.65	54.2	−41.2	−20.0	46.0	206	0.0	1.0	0.933	0.0	1.0	0.715	54.8	−37.9	−24.9	45.5	213	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	0.659	54.3	−40.8	−20.7	45.9	207	0.0	1.0	0.95	0.0	1.0	0.723	54.8	−37.5	−25.5	45.5	214	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	0.668	54.4	−40.4	−21.4	45.8	208	0.0	1.0	0.967	0.0	1.0	0.731	54.9	−37.0	−26.1	45.4	215	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	0.676	54.5	−39.9	−22.1	45.8	209	0.0	1.0	0.983	0.0	1.0	0.739	55.0	−36.6	−26.6	45.4	216	0.0	1.0	0.983			
238	210	216	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238	C_d	0.0	1.0	0.685	54.5	−39.5	−22.8	45.7	210	C_s	0.0	1.0	1.0	0.0	1.0	0.747	55.0	−36.1	−27.2	45.3	216	C_e	0.0	1.0	1.0			

QE4811L

see similar files: http://130.149.60.45/~farbmetrik/QE48/QE48.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE48/QE48L0FA.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*ddx361Mi (x=LabCh)*					C_d	*rgb*ds361Mi*			*LAB*dsx361Mi (x=LabCh)*					C_s	*rgb*dd361Mi*			*rgb*de361Mi*			*LAB*dex361Mi (x=LabCh)*					C_e	*rgb*dd361Mi*		
238	210	216	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238		0.0	1.0	0.685	54.5	−39.5	−22.8	45.7	210		0.0	1.0	1.0	0.0	1.0	0.747	55.0	−36.1	−27.2	45.3	216		0.0	1.0	1.0
239	211	217	0.0	0.983	1.0	56.4	−24.9	−41.5	48.4	239		0.0	1.0	0.694	54.6	−39.0	−23.4	45.7	211		0.0	0.983	1.0	0.0	1.0	0.757	55.1	−35.7	−27.8	45.4	217		0.0	0.983	1.0
239	212	218	0.0	0.966	1.0	56.1	−24.3	−41.5	48.1	239		0.0	1.0	0.703	54.7	−38.6	−24.1	45.6	212		0.0	0.967	1.0	0.0	1.0	0.767	55.2	−35.3	−28.4	45.4	218		0.0	0.967	1.0
240	213	219	0.0	0.95	1.0	55.7	−23.7	−41.5	47.8	240		0.0	1.0	0.712	54.7	−38.1	−24.7	45.6	213		0.0	0.95	1.0	0.0	1.0	0.778	55.2	−34.9	−29.0	45.5	219		0.0	0.95	1.0
240	214	220	0.0	0.933	1.0	55.4	−23.1	−41.5	47.5	240		0.0	1.0	0.721	54.8	−37.6	−25.3	45.5	214		0.0	0.933	1.0	0.0	1.0	0.788	55.3	−34.5	−29.6	45.6	220		0.0	0.933	1.0
241	215	221	0.0	0.916	1.0	55.0	−22.5	−41.4	47.2	241		0.0	1.0	0.73	54.9	−37.1	−26.0	45.4	215		0.0	0.917	1.0	0.0	1.0	0.798	55.4	−34.1	−30.2	45.7	221		0.0	0.917	1.0
242	216	222	0.0	0.9	1.0	54.6	−22.0	−41.4	46.9	242		0.0	1.0	0.739	55.0	−36.6	−26.6	45.4	216		0.0	0.9	1.0	0.0	1.0	0.808	55.4	−33.6	−30.8	45.7	222		0.0	0.9	1.0
242	217	223	0.0	0.883	1.0	54.3	−21.4	−41.4	46.6	242		0.0	1.0	0.747	55.0	−36.1	−27.2	45.3	217		0.0	0.883	1.0	0.0	1.0	0.819	55.5	−33.2	−31.3	45.8	223		0.0	0.883	1.0
243	218	224	0.0	0.866	1.0	53.9	−20.7	−41.3	46.3	243		0.0	1.0	0.758	55.1	−35.6	−27.8	45.4	218		0.0	0.867	1.0	0.0	1.0	0.829	55.6	−32.7	−31.9	45.9	224		0.0	0.867	1.0
244	219	225	0.0	0.85	1.0	53.4	−20.0	−41.3	45.9	244		0.0	1.0	0.769	55.2	−35.2	−28.5	45.4	219		0.0	0.85	1.0	0.0	1.0	0.839	55.6	−32.3	−32.5	45.9	225		0.0	0.85	1.0
245	220	226	0.0	0.833	1.0	52.9	−19.2	−41.3	45.6	245		0.0	1.0	0.781	55.3	−34.8	−29.2	45.5	220		0.0	0.833	1.0	0.0	1.0	0.85	55.7	−31.8	−33.1	46.0	226		0.0	0.833	1.0
245	221	227	0.0	0.816	1.0	52.4	−18.5	−41.3	45.3	245		0.0	1.0	0.792	55.3	−34.3	−29.8	45.6	221		0.0	0.817	1.0	0.0	1.0	0.86	55.8	−31.3	−33.6	46.1	227		0.0	0.817	1.0
246	222	227	0.0	0.8	1.0	51.9	−17.7	−41.3	44.9	246		0.0	1.0	0.803	55.4	−33.9	−30.5	45.7	222		0.0	0.8	1.0	0.0	1.0	0.87	55.8	−30.8	−34.2	46.2	227		0.0	0.8	1.0
247	223	228	0.0	0.783	1.0	51.4	−17.0	−41.2	44.6	247		0.0	1.0	0.815	55.5	−33.4	−31.1	45.8	223		0.0	0.783	1.0	0.0	1.0	0.881	55.9	−30.4	−34.8	46.3	228		0.0	0.783	1.0
248	224	229	0.0	0.766	1.0	50.9	−16.2	−41.2	44.2	248		0.0	1.0	0.826	55.6	−32.9	−31.7	45.8	224		0.0	0.767	1.0	0.0	1.0	0.893	56.0	−30.0	−35.4	46.6	229		0.0	0.767	1.0
249	225	230	0.0	0.75	1.0	50.4	−15.5	−41.1	43.9	249		0.0	1.0	0.837	55.6	−32.4	−32.4	45.9	225		0.0	0.75	1.0	0.0	1.0	0.904	56.1	−29.6	−36.1	46.8	230		0.0	0.75	1.0
250	226	231	0.0	0.733	1.0	49.9	−14.7	−41.1	43.6	250		0.0	1.0	0.849	55.7	−31.9	−33.0	46.0	226		0.0	0.733	1.0	0.0	1.0	0.915	56.2	−29.1	−36.7	47.0	231		0.0	0.733	1.0
251	227	232	0.0	0.716	1.0	49.4	−13.8	−41.1	43.4	251		0.0	1.0	0.86	55.8	−31.3	−33.6	46.1	227		0.0	0.717	1.0	0.0	1.0	0.926	56.3	−28.7	−37.4	47.2	232		0.0	0.717	1.0
252	228	233	0.0	0.7	1.0	48.8	−13.0	−41.1	43.1	252		0.0	1.0	0.871	55.9	−30.8	−34.2	46.2	228		0.0	0.7	1.0	0.0	1.0	0.938	56.3	−28.2	−38.0	47.5	233		0.0	0.7	1.0
253	229	234	0.0	0.683	1.0	48.3	−12.2	−41.1	42.9	253		0.0	1.0	0.883	55.9	−30.3	−34.9	46.4	229		0.0	0.683	1.0	0.0	1.0	0.949	56.4	−27.7	−38.6	47.7	234		0.0	0.683	1.0
254	230	235	0.0	0.666	1.0	47.8	−11.4	−41.0	42.6	254		0.0	1.0	0.896	56.0	−29.9	−35.6	46.6	230		0.0	0.667	1.0	0.0	1.0	0.96	56.5	−27.2	−39.3	47.9	235		0.0	0.667	1.0
255	231	236	0.0	0.65	1.0	47.3	−10.6	−41.0	42.3	255		0.0	1.0	0.908	56.1	−29.4	−36.3	46.9	231		0.0	0.65	1.0	0.0	1.0	0.972	56.6	−26.7	−39.9	48.2	236		0.0	0.65	1.0
256	232	237	0.0	0.633	1.0	46.8	−9.8	−40.9	42.1	256		0.0	1.0	0.92	56.2	−28.9	−37.0	47.1	232		0.0	0.633	1.0	0.0	1.0	0.983	56.7	−26.2	−40.5	48.4	237		0.0	0.633	1.0
257	233	237	0.0	0.616	1.0	46.2	−8.9	−40.9	41.8	257		0.0	1.0	0.933	56.3	−28.4	−37.7	47.4	233		0.0	0.617	1.0	0.0	1.0	0.994	56.8	−25.7	−41.1	48.6	237		0.0	0.617	1.0
259	234	238	0.0	0.6	1.0	45.5	−7.8	−40.9	41.7	259		0.0	1.0	0.945	56.4	−27.9	−38.4	47.6	234		0.0	0.6	1.0	0.0	0.988	1.0	56.6	−25.0	−41.4	48.5	238		0.0	0.6	1.0
260	235	239	0.0	0.583	1.0	44.9	−6.6	−41.0	41.5	260		0.0	1.0	0.957	56.5	−27.4	−39.1	47.9	235		0.0	0.583	1.0	0.0	0.962	1.0	56.0	−24.1	−41.4	48.1	239		0.0	0.583	1.0
262	236	240	0.0	0.566	1.0	44.2	−5.5	−40.9	41.3	262		0.0	1.0	0.97	56.6	−26.8	−39.8	48.1	236		0.0	0.567	1.0	0.0	0.937	1.0	55.5	−23.2	−41.4	47.6	240		0.0	0.567	1.0
263	237	241	0.0	0.55	1.0	43.6	−4.4	−40.9	41.1	263		0.0	1.0	0.982	56.7	−26.2	−40.5	48.4	237		0.0	0.55	1.0	0.0	0.911	1.0	54.9	−22.3	−41.4	47.1	241		0.0	0.55	1.0
265	238	242	0.0	0.533	1.0	43.0	−3.3	−40.8	41.0	265		0.0	1.0	0.994	56.8	−25.7	−41.1	48.6	238		0.0	0.533	1.0	0.0	0.885	1.0	54.4	−21.4	−41.3	46.7	242		0.0	0.533	1.0
266	239	243	0.0	0.516	1.0	42.3	−2.3	−40.7	40.8	266		0.0	0.985	1.0	56.5	−24.9	−41.4	48.5	239		0.0	0.517	1.0	0.0	0.864	1.0	53.9	−20.6	−41.3	46.3	243		0.0	0.517	1.0
268	240	244	0.0	0.5	1.0	41.7	−1.2	−40.6	40.6	268		0.0	0.956	1.0	55.9	−23.9	−41.4	48.0	240		0.0	0.5	1.0	0.0	0.847	1.0	53.3	−19.8	−41.3	45.9	244		0.0	0.5	1.0
269	241	245	0.0	0.483	1.0	41.1	−0.2	−40.6	40.6	269		0.0	0.928	1.0	55.3	−22.9	−41.4	47.4	241		0.0	0.483	1.0	0.0	0.829	1.0	52.8	−19.0	−41.3	45.6	245		0.0	0.483	1.0
271	242	246	0.0	0.466	1.0	40.5	0.7	−40.6	40.6	271		0.0	0.9	1.0	54.7	−21.9	−41.3	46.9	242		0.0	0.467	1.0	0.0	0.811	1.0	52.3	−18.1	−41.2	45.2	246		0.0	0.467	1.0
272	243	247	0.0	0.45	1.0	39.9	1.7	−40.6	40.6	272		0.0	0.873	1.0	54.1	−21.0	−41.3	46.4	243		0.0	0.45	1.0	0.0	0.793	1.0	51.7	−17.3	−41.2	44.8	247		0.0	0.45	1.0
273	244	248	0.0	0.433	1.0	39.3	2.7	−40.6	40.6	273		0.0	0.854	1.0	53.5	−20.1	−41.3	46.1	244		0.0	0.433	1.0	0.0	0.775	1.0	51.2	−16.6	−41.1	44.5	248		0.0	0.433	1.0
275	245	248	0.0	0.416	1.0	38.8	3.6	−40.5	40.6	275		0.0	0.834	1.0	53.0	−19.2	−41.3	45.7	245		0.0	0.417	1.0	0.0	0.757	1.0	50.7	−15.8	−41.1	44.1	248		0.0	0.417	1.0
276	246	249	0.0	0.4	1.0	38.2	4.6	−40.4	40.7	276		0.0	0.815	1.0	52.4	−18.3	−41.3	45.3	246		0.0	0.4	1.0	0.0	0.741	1.0	50.2	−15.0	−41.0	43.8	249		0.0	0.4	1.0
277	247	250	0.0	0.383	1.0	37.6	5.6	−40.3	40.7	277		0.0	0.795	1.0	51.8	−17.4	−41.2	44.9	247		0.0	0.383	1.0	0.0	0.726	1.0	49.7	−14.3	−41.1	43.6	250		0.0	0.383	1.0
279	248	251	0.0	0.366	1.0	37.0	6.6	−40.2	40.8	279		0.0	0.775	1.0	51.2	−16.6	−41.1	44.5	248		0.0	0.367	1.0	0.0	0.711	1.0	49.2	−13.5	−41.0	43.4	251		0.0	0.367	1.0
280	249	252	0.0	0.35	1.0	36.4	7.7	−40.3	41.1	280		0.0	0.756	1.0	50.6	−15.7	−41.1	44.1	249		0.0	0.35	1.0	0.0	0.697	1.0	48.8	−12.8	−41.0	43.1	252		0.0	0.35	1.0
282	250	253	0.0	0.333	1.0	35.8	8.8	−40.4	41.3	282		0.0	0.739	1.0	50.1	−14.9	−41.0	43.8	250		0.0	0.333	1.0	0.0	0.682	1.0	48.3	−12.1	−41.0	42.9	253		0.0	0.333	1.0
283	251	254	0.0	0.316	1.0	35.2	9.9	−40.4	41.6	283		0.0	0.722	1.0	49.6	−14.1	−41.1	43.5	251		0.0	0.317	1.0	0.0	0.667	1.0	47.9	−11.4	−41.0	42.6	254		0.0	0.317	1.0
285	252	255	0.0	0.3	1.0	34.6	11.0	−40.4	41.9	285		0.0	0.706	1.0	49.1	−13.3	−41.0	43.3	252		0.0	0.3	1.0	0.0	0.652	1.0	47.4	−10.7	−40.9	42.4	255		0.0	0.3	1.0
286	253	256	0.0	0.283	1.0	34.0	12.1	−40.3	42.1	286		0.0	0.69	1.0	48.6	−12.5	−41.0	43.0	253		0.0	0.283	1.0	0.0	0.637	1.0	46.9	−9.9	−40.9	42.2	256		0.0	0.283	1.0
288	254	257	0.0	0.266	1.0	33.4	13.2	−40.3	42.4	288		0.0	0.673	1.0	48.1	−11.7	−41.0	42.7	254		0.0	0.267	1.0	0.0	0.623	1.0	46.5	−9.2	−40.8	42.0	257		0.0	0.267	1.0
289	255	258	0.0	0.25	1.0	32.8	14.3	−40.2	42.7	289		0.0	0.657	1.0	47.5	−10.9	−40.9	42.5	255		0.0	0.25	1.0	0.0	0.613	1.0	46.1	−8.6	−40.8	41.9	258		0.0	0.25	1.0

*rgb*dd* *rgb*ds* *rgb*de*

QE4811L

see similar files: http://130.149.60.45/~farbmetrik/QE48/QE48.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE48/QE48L0FA.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**ddx361Mi (x=LabCh)					*rgb**ds361Mi			*LAB**dsx361Mi (x=LabCh)					*rgb**dd361Mi			*rgb**de361Mi			*LAB**dex361Mi (x=LabCh)					*rgb**dd361Mi		
289	255	258	0.0	0.25	1.0	32.8	14.3	−40.2	42.7	289	0.0	0.657	1.0	47.5	−10.9	−40.9	42.5	255	0.0	0.25	1.0	0.0	0.613	1.0	46.1	−8.6	−40.8	41.9	258	0.0	0.25	1.0
290	256	258	0.0	0.233	1.0	32.2	15.3	−40.3	43.1	290	0.0	0.641	1.0	47.0	−10.1	−40.9	42.2	256	0.0	0.233	1.0	0.0	0.603	1.0	45.7	−7.9	−40.9	41.7	258	0.0	0.233	1.0
292	257	259	0.0	0.216	1.0	31.7	16.4	−40.3	43.6	292	0.0	0.624	1.0	46.5	−9.3	−40.8	42.0	257	0.0	0.217	1.0	0.0	0.593	1.0	45.3	−7.2	−40.9	41.6	259	0.0	0.217	1.0
293	258	260	0.0	0.2	1.0	31.1	17.5	−40.4	44.0	293	0.0	0.613	1.0	46.1	−8.6	−40.8	41.9	258	0.0	0.2	1.0	0.0	0.583	1.0	44.9	−6.6	−40.9	41.5	260	0.0	0.2	1.0
294	259	261	0.0	0.183	1.0	30.6	18.5	−40.4	44.5	294	0.0	0.602	1.0	45.7	−7.9	−40.9	41.7	259	0.0	0.183	1.0	0.0	0.573	1.0	44.5	−5.9	−40.9	41.4	261	0.0	0.183	1.0
295	260	262	0.0	0.166	1.0	30.0	19.6	−40.4	44.9	295	0.0	0.591	1.0	45.3	−7.1	−40.9	41.6	260	0.0	0.167	1.0	0.0	0.562	1.0	44.1	−5.2	−40.9	41.3	262	0.0	0.167	1.0
297	261	263	0.0	0.15	1.0	29.5	20.7	−40.4	45.4	297	0.0	0.58	1.0	44.8	−6.4	−40.9	41.5	261	0.0	0.15	1.0	0.0	0.552	1.0	43.7	−4.5	−40.9	41.2	263	0.0	0.15	1.0
298	262	264	0.0	0.133	1.0	28.9	21.8	−40.3	45.8	298	0.0	0.569	1.0	44.4	−5.7	−40.9	41.4	262	0.0	0.133	1.0	0.0	0.542	1.0	43.4	−3.9	−40.8	41.1	264	0.0	0.133	1.0
299	263	265	0.0	0.116	1.0	28.4	22.8	−40.3	46.3	299	0.0	0.558	1.0	44.0	−4.9	−40.9	41.3	263	0.0	0.117	1.0	0.0	0.532	1.0	43.0	−3.2	−40.8	41.0	265	0.0	0.117	1.0
300	264	266	0.0	0.1	1.0	27.9	23.8	−40.4	46.9	300	0.0	0.547	1.0	43.5	−4.2	−40.8	41.2	264	0.0	0.1	1.0	0.0	0.522	1.0	42.6	−2.6	−40.7	40.9	266	0.0	0.1	1.0
301	265	267	0.0	0.083	1.0	27.4	24.7	−40.4	47.4	301	0.0	0.536	1.0	43.1	−3.5	−40.8	41.1	265	0.0	0.083	1.0	0.0	0.512	1.0	42.2	−1.9	−40.7	40.8	267	0.0	0.083	1.0
302	266	268	0.0	0.066	1.0	26.9	25.7	−40.4	47.9	302	0.0	0.525	1.0	42.7	−2.8	−40.7	40.9	266	0.0	0.067	1.0	0.0	0.502	1.0	41.8	−1.3	−40.6	40.7	268	0.0	0.067	1.0
303	267	269	0.0	0.049	1.0	26.5	26.6	−40.5	48.4	303	0.0	0.514	1.0	42.3	−2.0	−40.7	40.8	267	0.0	0.05	1.0	0.0	0.491	1.0	41.4	−0.6	−40.6	40.7	269	0.0	0.05	1.0
304	268	269	0.0	0.033	1.0	26.0	27.6	−40.4	49.0	304	0.0	0.503	1.0	41.8	−1.3	−40.6	40.7	268	0.0	0.033	1.0	0.0	0.48	1.0	41.0	0.0	−40.6	40.7	269	0.0	0.033	1.0
305	269	270	0.0	0.016	1.0	25.5	28.6	−40.4	49.5	305	0.0	0.491	1.0	41.4	−0.6	−40.6	40.7	269	0.0	0.017	1.0	0.0	0.469	1.0	40.6	0.6	−40.6	40.7	270	0.0	0.017	1.0
306	270	271	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306	B_d	0.0	0.479	1.0	41.0	0.0	−40.6	40.7	270	B_s	0.0	0.0	1.0	0.0	0.458	1.0	40.3	1.2	−40.6	40.7	271	B_e	0.0	0.0	1.0
307	271	272	0.016	0.0	1.0	25.4	30.4	−39.9	50.2	307	0.0	0.467	1.0	40.6	0.7	−40.6	40.7	271	0.017	0.0	1.0	0.0	0.447	1.0	39.9	1.9	−40.5	40.7	272	0.017	0.0	1.0
308	272	273	0.033	0.0	1.0	25.8	31.3	−39.4	50.4	308	0.0	0.455	1.0	40.2	1.4	−40.6	40.7	272	0.033	0.0	1.0	0.0	0.435	1.0	39.5	2.6	−40.5	40.7	273	0.033	0.0	1.0
309	273	274	0.05	0.0	1.0	26.2	32.2	−38.9	50.5	309	0.0	0.443	1.0	39.7	2.1	−40.5	40.7	273	0.05	0.0	1.0	0.0	0.424	1.0	39.1	3.3	−40.5	40.7	274	0.05	0.0	1.0
310	274	275	0.066	0.0	1.0	26.5	33.1	−38.4	50.7	310	0.0	0.431	1.0	39.3	2.8	−40.5	40.7	274	0.067	0.0	1.0	0.0	0.413	1.0	38.7	3.9	−40.4	40.7	275	0.067	0.0	1.0
311	275	276	0.083	0.0	1.0	26.9	33.9	−37.8	50.8	311	0.0	0.419	1.0	38.9	3.5	−40.4	40.7	275	0.083	0.0	1.0	0.0	0.401	1.0	38.3	4.6	−40.3	40.7	276	0.083	0.0	1.0
313	276	277	0.1	0.0	1.0	27.3	34.8	−37.3	51.0	313	0.0	0.407	1.0	38.5	4.3	−40.4	40.7	276	0.1	0.0	1.0	0.0	0.39	1.0	37.9	5.3	−40.3	40.7	277	0.1	0.0	1.0
314	277	278	0.116	0.0	1.0	27.7	35.6	−36.7	51.1	314	0.0	0.395	1.0	38.1	5.0	−40.3	40.7	277	0.117	0.0	1.0	0.0	0.378	1.0	37.5	5.9	−40.2	40.7	278	0.117	0.0	1.0
315	278	279	0.133	0.0	1.0	27.9	36.4	−36.2	51.3	315	0.0	0.383	1.0	37.6	5.7	−40.2	40.7	278	0.133	0.0	1.0	0.0	0.367	1.0	37.1	6.6	−40.2	40.8	279	0.133	0.0	1.0
316	279	280	0.15	0.0	1.0	28.1	37.2	−35.7	51.6	316	0.0	0.371	1.0	37.2	6.4	−40.2	40.8	279	0.15	0.0	1.0	0.0	0.357	1.0	36.7	7.3	−40.2	41.0	280	0.15	0.0	1.0
317	280	281	0.166	0.0	1.0	28.2	38.0	−35.2	51.9	317	0.0	0.36	1.0	36.8	7.1	−40.2	41.0	280	0.167	0.0	1.0	0.0	0.346	1.0	36.3	8.0	−40.3	41.2	281	0.167	0.0	1.0
318	281	282	0.183	0.0	1.0	28.3	38.8	−34.7	52.1	318	0.0	0.348	1.0	36.4	7.8	−40.3	41.1	281	0.183	0.0	1.0	0.0	0.335	1.0	35.9	8.7	−40.3	41.3	282	0.183	0.0	1.0
319	282	283	0.2	0.0	1.0	28.5	39.6	−34.2	52.4	319	0.0	0.337	1.0	36.0	8.6	−40.3	41.3	282	0.2	0.0	1.0	0.0	0.324	1.0	35.5	9.4	−40.3	41.5	283	0.2	0.0	1.0
320	283	284	0.216	0.0	1.0	28.6	40.4	−33.7	52.6	320	0.0	0.326	1.0	35.6	9.3	−40.3	41.5	283	0.217	0.0	1.0	0.0	0.313	1.0	35.1	10.1	−40.3	41.7	284	0.217	0.0	1.0
321	284	285	0.233	0.0	1.0	28.7	41.2	−33.1	52.9	321	0.0	0.314	1.0	35.2	10.1	−40.3	41.7	284	0.233	0.0	1.0	0.0	0.303	1.0	34.8	10.8	−40.3	41.9	285	0.233	0.0	1.0
322	285	285	0.25	0.0	1.0	28.8	41.9	−32.5	53.1	322	0.0	0.303	1.0	34.8	10.8	−40.3	41.9	285	0.25	0.0	1.0	0.0	0.292	1.0	34.4	11.6	−40.3	42.0	285	0.25	0.0	1.0
323	286	286	0.266	0.0	1.0	29.4	43.3	−31.8	53.8	323	0.0	0.291	1.0	34.3	11.6	−40.3	42.0	286	0.267	0.0	1.0	0.0	0.281	1.0	34.0	12.3	−40.3	42.2	286	0.267	0.0	1.0
325	287	287	0.283	0.0	1.0	29.9	44.7	−31.1	54.4	325	0.0	0.28	1.0	33.9	12.3	−40.3	42.2	287	0.283	0.0	1.0	0.0	0.27	1.0	33.6	13.0	−40.2	42.4	287	0.283	0.0	1.0
326	288	288	0.3	0.0	1.0	30.4	46.0	−30.3	55.1	326	0.0	0.269	1.0	33.5	13.1	−40.2	42.4	288	0.3	0.0	1.0	0.0	0.26	1.0	33.2	13.7	−40.2	42.5	288	0.3	0.0	1.0
328	289	289	0.316	0.0	1.0	30.9	47.3	−29.4	55.7	328	0.0	0.257	1.0	33.1	13.9	−40.2	42.6	289	0.317	0.0	1.0	0.0	0.249	1.0	32.8	14.4	−40.1	42.7	289	0.317	0.0	1.0
329	290	290	0.333	0.0	1.0	31.4	48.6	−28.5	56.4	329	0.0	0.245	1.0	32.7	14.6	−40.1	42.8	290	0.333	0.0	1.0	0.0	0.236	1.0	32.4	15.2	−40.2	43.1	290	0.333	0.0	1.0
331	291	291	0.35	0.0	1.0	32.0	49.9	−27.5	57.0	331	0.0	0.232	1.0	32.2	15.5	−40.2	43.2	291	0.35	0.0	1.0	0.0	0.223	1.0	32.0	16.0	−40.3	43.4	291	0.35	0.0	1.0
332	292	292	0.366	0.0	1.0	32.5	51.2	−26.5	57.7	332	0.0	0.219	1.0	31.8	16.3	−40.3	43.6	292	0.367	0.0	1.0	0.0	0.211	1.0	31.5	16.8	−40.3	43.8	292	0.367	0.0	1.0
333	293	293	0.383	0.0	1.0	32.9	52.3	−25.7	58.3	333	0.0	0.205	1.0	31.4	17.2	−40.3	43.9	293	0.383	0.0	1.0	0.0	0.198	1.0	31.1	17.6	−40.3	44.1	293	0.383	0.0	1.0
334	294	294	0.4	0.0	1.0	33.3	53.2	−25.0	58.8	334	0.0	0.192	1.0	30.9	18.0	−40.3	44.3	294	0.4	0.0	1.0	0.0	0.186	1.0	30.7	18.4	−40.4	44.5	294	0.4	0.0	1.0
335	295	295	0.416	0.0	1.0	33.7	54.1	−24.4	59.4	335	0.0	0.179	1.0	30.5	18.9	−40.4	44.6	295	0.417	0.0	1.0	0.0	0.173	1.0	30.3	19.2	−40.4	44.8	295	0.417	0.0	1.0
336	296	296	0.433	0.0	1.0	34.0	55.0	−23.7	59.9	336	0.0	0.166	1.0	30.0	19.7	−40.3	45.0	296	0.433	0.0	1.0	0.0	0.161	1.0	29.9	20.1	−40.3	45.1	296	0.433	0.0	1.0
337	297	297	0.45	0.0	1.0	34.4	55.9	−23.0	60.5	337	0.0	0.152	1.0	29.6	20.6	−40.3	45.4	297	0.45	0.0	1.0	0.0	0.148	1.0	29.4	20.9	−40.3	45.5	297	0.45	0.0	1.0
338	298	298	0.466	0.0	1.0	34.8	56.8	−22.2	61.0	338	0.0	0.139	1.0	29.1	21.5	−40.3	45.7	298	0.467	0.0	1.0	0.0	0.136	1.0	29.0	21.7	−40.3	45.8	298	0.467	0.0	1.0
339	299	299	0.483	0.0	1.0	35.2	57.7	−21.5	61.6	339	0.0	0.126	1.0	28.7	22.3	−40.2	46.1	299	0.483	0.0	1.0	0.0	0.122	1.0	28.6	22.6	−40.2	46.2	299	0.483	0.0	1.0
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

*rgb**dd *rgb**ds *rgb**de

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			*rgb** de361Mi			*LAB** dex361Mi (x=LabCh)					*rgb** dd361Mi		
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

*rgb** dd *rgb** ds *rgb** de

TUB registration: 20130201-QE48/QE48L0FA.TXT /.PS
application for measurement of offset print output, separation cmy0* (CMY0)
TUB material: code=rha4ta

QE4811L

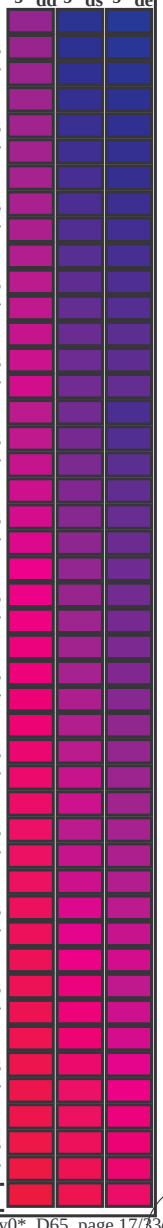
see similar files: http://130.149.60.45/~farbmetrik/QE48/QE48.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE48/QE48L0FA.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**ddx361Mi (x=LabCh)					*rgb**ds361Mi			*LAB**dsx361Mi (x=LabCh)					*rgb**dd361Mi			*rgb**de361Mi			*LAB**dex361Mi (x=LabCh)					*rgb**dd361Mi		
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	352	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	R_d	1.0	0.0	0.096	45.5	71.4	41.2	82.4	390	R_s	1.0	0.0	0.0	1.0	0.0	0.255	45.7	72.2	34.4	80.0	385	R_e	1.0	0.0	0.0



TUB-test chart QE48; hue code: H*$_e$=Y25G$_e$
48 step hue circles; *rgb−LabCh*tables*

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

n/j	HIC*$_{Fde}$	*rgb*$_{Fde}$			*ict*$_{Fde}$			h_{si_Fde}	*rgb**$_{Fde}$			*LabCh**$_{Fde}$				*cmyn**$_{sep,Fde}$				$h_{siM,de}$	*rgb**$_{Mde}$			*LabCh**$_{Mde}$				
0/648	R00Y_100_100$_{de}$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4	0.0	1.0	0.744	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
1/657	R13Y_100_100$_{de}$	1.0	0.125	0.0	1.0	1.0	0.5	37	1.0	0.02	0.0	46.0	69.6	45.6	83.2	33.2	0.0	0.979	1.0	0.0	31	1.0	0.02	0.0	46.0	69.6	45.6	83.2	33.2
2/666	R25Y_100_100$_{de}$	1.0	0.25	0.0	1.0	1.0	0.5	44	1.0	0.166	0.0	50.5	59.2	51.6	78.6	41.0	0.0	0.832	1.0	0.0	38	1.0	0.166	0.0	50.5	59.2	51.6	78.6	41.0
3/675	R38Y_100_100$_{de}$	1.0	0.375	0.0	1.0	1.0	0.5	52	1.0	0.288	0.0	55.3	48.4	57.7	75.4	49.9	0.0	0.71	1.0	0.0	46	1.0	0.288	0.0	55.3	48.4	57.7	75.4	49.9
4/684	R50Y_100_100$_{de}$	1.0	0.5	0.0	1.0	1.0	0.5	60	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8	0.0	0.6	1.0	0.0	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
5/693	R63Y_100_100$_{de}$	1.0	0.625	0.0	1.0	1.0	0.5	68	1.0	0.506	0.0	65.3	28.2	69.2	74.7	67.8	0.0	0.491	1.0	0.0	60	1.0	0.506	0.0	65.3	28.2	69.2	74.7	67.8
6/702	R75Y_100_100$_{de}$	1.0	0.75	0.0	1.0	1.0	0.5	76	1.0	0.604	0.0	70.9	17.9	75.9	77.9	76.7	0.0	0.397	1.0	0.0	66	1.0	0.604	0.0	70.9	17.9	75.9	77.9	76.7
7/711	R88Y_100_100$_{de}$	1.0	0.875	0.0	1.0	1.0	0.5	83	1.0	0.721	0.0	76.6	7.9	82.4	82.8	84.5	0.0	0.28	1.0	0.0	74	1.0	0.721	0.0	76.6	7.9	82.4	82.8	84.5
8/720	Y00G_100_100$_{de}$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3	0.0	0.121	1.0	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
9/639	Y13G_100_100$_{de}$	0.875	1.0	0.0	1.0	1.0	0.5	97	0.807	1.0	0.0	82.4	−15.9	86.2	87.6	100.4	0.194	0.0	1.0	0.0	100	0.807	1.0	0.0	82.4	−15.9	86.2	87.6	100.4
10/558	Y25G_100_100$_{de}$	0.75	1.0	0.0	1.0	1.0	0.5	104	0.605	1.0	0.0	74.5	−25.0	74.3	78.4	108.6	0.396	0.0	1.0	0.0	113	0.605	1.0	0.0	74.5	−25.0	74.3	78.4	108.6
11/477	Y38G_100_100$_{de}$	0.625	1.0	0.0	1.0	1.0	0.5	112	0.434	1.0	0.0	68.0	−33.0	62.2	70.4	117.9	0.565	0.0	1.0	0.0	124	0.434	1.0	0.0	68.0	−33.0	62.2	70.4	117.9
12/396	Y50G_100_100$_{de}$	0.5	1.0	0.0	1.0	1.0	0.5	120	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2	0.678	0.0	1.0	0.0	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
13/315	Y63G_100_100$_{de}$	0.375	1.0	0.0	1.0	1.0	0.5	128	0.232	1.0	0.0	57.8	−48.3	45.7	66.5	136.5	0.766	0.0	1.0	0.0	137	0.232	1.0	0.0	57.8	−48.3	45.7	66.5	136.5
14/234	Y75G_100_100$_{de}$	0.25	1.0	0.0	1.0	1.0	0.5	136	0.108	1.0	0.0	54.1	−55.5	37.5	67.0	145.9	0.891	0.0	1.0	0.0	144	0.108	1.0	0.0	54.1	−55.5	37.5	67.0	145.9
15/153	Y88G_100_100$_{de}$	0.125	1.0	0.0	1.0	1.0	0.5	143	0.016	1.0	0.0	50.6	−63.6	30.9	70.7	154.0	0.983	0.0	1.0	0.0	149	0.016	1.0	0.0	50.6	−63.6	30.9	70.7	154.0
16/72	G00C_100_100$_{de}$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2	1.0	0.0	0.847	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
17/73	G13C_100_100$_{de}$	0.0	1.0	0.125	1.0	1.0	0.5	157	0.0	1.0	0.261	51.3	−58.6	11.8	59.7	168.6	1.0	0.0	0.736	0.0	164	0.0	1.0	0.261	51.3	−58.6	11.8	59.7	168.6
18/74	G25C_100_100$_{de}$	0.0	1.0	0.25	1.0	1.0	0.5	164	0.0	1.0	0.35	51.8	−55.5	4.8	55.7	175.0	1.0	0.0	0.646	0.0	170	0.0	1.0	0.35	51.8	−55.5	4.8	55.7	175.0
19/75	G38C_100_100$_{de}$	0.0	1.0	0.375	1.0	1.0	0.5	172	0.0	1.0	0.43	52.4	−52.2	−2.1	52.3	182.3	1.0	0.0	0.566	0.0	175	0.0	1.0	0.43	52.4	−52.2	−2.1	52.3	182.3
20/76	G50C_100_100$_{de}$	0.0	1.0	0.5	1.0	1.0	0.5	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6	1.0	0.0	0.495	0.0	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
21/77	G63C_100_100$_{de}$	0.0	1.0	0.625	1.0	1.0	0.5	188	0.0	1.0	0.568	53.5	−45.5	−13.8	47.5	196.9	1.0	0.0	0.429	0.0	184	0.0	1.0	0.568	53.5	−45.5	−13.8	47.5	196.9
22/78	G75C_100_100$_{de}$	0.0	1.0	0.75	1.0	1.0	0.5	196	0.0	1.0	0.633	54.1	−42.0	−18.8	46.0	204.2	1.0	0.0	0.367	0.0	188	0.0	1.0	0.633	54.1	−42.0	−18.8	46.0	204.2
23/79	G88C_100_100$_{de}$	0.0	1.0	0.875	1.0	1.0	0.5	203	0.0	1.0	0.69	54.5	−39.3	−23.2	45.6	210.5	1.0	0.0	0.309	0.0	192	0.0	1.0	0.69	54.5	−39.3	−23.2	45.6	210.5
24/80	C00B_100_100$_{de}$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9	1.0	0.0	0.253	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
25/71	C13B_100_100$_{de}$	0.0	0.875	1.0	1.0	1.0	0.5	217	0.0	1.0	0.818	55.5	−33.2	−31.4	45.7	223.3	1.0	0.0	0.181	0.0	200	0.0	1.0	0.818	55.5	−33.2	−31.4	45.7	223.3
26/62	C25B_100_100$_{de}$	0.0	0.75	1.0	1.0	1.0	0.5	224	0.0	1.0	0.892	56.0	−30.0	−35.5	46.5	229.7	1.0	0.0	0.107	0.0	204	0.0	1.0	0.892	56.0	−30.0	−35.5	46.5	229.7
27/53	C38B_100_100$_{de}$	0.0	0.625	1.0	1.0	1.0	0.5	232	0.0	1.0	0.982	56.6	−26.3	−40.6	48.3	237.0	1.0	0.0	0.017	0.0	209	0.0	1.0	0.982	56.6	−26.3	−40.6	48.3	237.0
28/44	C50B_100_100$_{de}$	0.0	0.5	1.0	1.0	1.0	0.5	240	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3	1.0	0.153	0.0	0.0	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
29/35	C63B_100_100$_{de}$	0.0	0.375	1.0	1.0	1.0	0.5	248	0.0	0.711	1.0	49.2	−13.6	−41.1	43.3	251.6	1.0	0.289	0.0	0.0	226	0.0	0.711	1.0	49.2	−13.6	−41.1	43.3	251.6
30/26	C75B_100_100$_{de}$	0.0	0.25	1.0	1.0	1.0	0.5	256	0.0	0.602	1.0	45.6	−7.9	−40.9	41.7	258.9	1.0	0.397	0.0	0.0	233	0.0	0.602	1.0	45.6	−7.9	−40.9	41.7	258.9
31/17	C88B_100_100$_{de}$	0.0	0.125	1.0	1.0	1.0	0.5	263	0.0	0.532	1.0	42.9	−3.3	−40.8	41.0	265.3	1.0	0.466	0.0	0.0	237	0.0	0.532	1.0	42.9	−3.3	−40.8	41.0	265.3
32/8	B00M_100_100$_{de}$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7	1.0	0.539	0.0	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
33/89	B13M_100_100$_{de}$	0.125	0.0	1.0	1.0	1.0	0.5	277	0.0	0.378	1.0	37.4	5.9	−40.2	40.7	278.3	1.0	0.62	0.0	0.0	248	0.0	0.378	1.0	37.4	5.9	−40.2	40.7	278.3
34/170	B25M_100_100$_{de}$	0.25	0.0	1.0	1.0	1.0	0.5	284	0.0	0.302	1.0	34.7	10.8	−40.4	41.8	285.0	1.0	0.695	0.0	0.0	252	0.0	0.302	1.0	34.7	10.8	−40.4	41.8	285.0
35/251	B38M_100_100$_{de}$	0.375	0.0	1.0	1.0	1.0	0.5	292	0.0	0.21	1.0	31.5	16.8	−40.4	43.7	292.5	1.0	0.787	0.0	0.0	258	0.0	0.21	1.0	31.5	16.8	−40.4	43.7	292.5
36/332	B50M_100_100$_{de}$	0.5	0.0	1.0	1.0	1.0	0.5	300	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1	1.0	0.893	0.0	0.0	264	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
37/413	B63M_100_100$_{de}$	0.625	0.0	1.0	1.0	1.0	0.5	308	0.022	0.0	1.0	25.5	30.7	−39.7	50.3	307.7	0.977	0.999	0.0	0.0	271	0.022	0.0	1.0	25.5	30.7	−39.7	50.3	307.7
38/494	B75M_100_100$_{de}$	0.75	0.0	1.0	1.0	1.0	0.5	316	0.135	0.0	1.0	27.9	36.5	−36.1	51.4	315.3	0.864	1.0	0.0	0.0	277	0.135	0.0	1.0	27.9	36.5	−36.1	51.4	315.3
39/575	B88M_100_100$_{de}$	0.875	0.0	1.0	1.0	1.0	0.5	323	0.246	0.0	1.0	28.8	41.8	−32.7	53.1	321.9	0.752	1.0	0.0	0.0	283	0.246	0.0	1.0	28.8	41.8	−32.7	53.1	321.9
40/656	M00R_100_100$_{de}$	1.0	0.0	1.0	1.0	1.0	0.5	330	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6	0.677	0.999	0.0	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
41/655	M13R_100_100$_{de}$	1.0	0.0	0.875	1.0	1.0	0.5	337	0.407	0.0	1.0	33.5	53.6	−24.7	59.1	335.2	0.59	0.999	0.0	0.0	293	0.407	0.0	1.0	33.5	53.6	−24.7	59.1	335.2
42/654	M25R_100_100$_{de}$	1.0	0.0	0.75	1.0	1.0	0.5	344	0.522	0.0	1.0	36.0	59.9	−19.6	63.0	341.8	0.475	0.999	0.0	0.0	301	0.522	0.0	1.0	36.0	59.9	−19.6	63.0	341.8
43/653	M38R_100_100$_{de}$	1.0	0.0	0.625	1.0	1.0	0.5	352	0.666	0.0	1.0	39.3	67.3	−12.5	68.5	349.4	0.334	1.0	0.0	0.0	310	0.666	0.0	1.0	39.3	67.3	−12.5	68.5	349.4
44/652	M50R_100_100$_{de}$	1.0	0.0	0.5	1.0	1.0	0.5	360	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0	0.264	1.0	0.0	0.0	315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
45/651	M63R_100_100$_{de}$	1.0	0.0	0.375	1.0	1.0	0.5	368	1.0	0.0	0.955	46.0	78.9	1.3	78.9	0.9	0.0	1.0	0.044	0.0	332	1.0	0.0	0.955	46.0	78.9	1.3	78.9	0.9
46/650	M75R_100_100$_{de}$	1.0	0.0	0.25	1.0	1.0	0.5	376	1.0	0.0	0.657	46.0	76.1	13.2	77.2	9.8	0.0	1.0	0.343	0.0	349	1.0	0.0	0.657	46.0	76.1	13.2	77.2	9.8
47/649	M88R_100_100$_{de}$	1.0	0.0	0.125	1.0	1.0	0.5	383	1.0	0.0	0.458	45.8	73.8	23.5	77.5	17.6	0.0	1.0	0.538	0.0	362	1.0	0.0	0.458	45.8	73.8	23.5	77.5	17.6
48/648	R00Y_100_100$_{de}$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4	0.0	1.0	0.744	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
49/0	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0	1.0	1.0	1.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
50/91	NW_013$_{de}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	33.2	0.0	0.0	0.0	0.0	0.885	0.774	0.736	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
51/182	NW_025$_{de}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	42.1	0.0	0.0	0.0	0.0	0.743	0.587	0.55	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
52/273	NW_038$_{de}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	51.0	0.0	0.0	0.0	0.0	0.653	0.473	0.452	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
53/364	NW_050$_{de}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	60.0	0.0	0.0	0.0	0.0	0.54	0.382	0.356	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
54/455	NW_063$_{de}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.9	0.0	0.0	0.0	0.0	0.417	0.26	0.26	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
55/546	NW_075$_{de}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0	0.299	0.181	0.177	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
56/637	NW_088$_{de}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.7	0.0	0.0	0.0	0.0	0.162	0.101	0.093	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
57/728	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0

Mean color difference of this page: **delta**

n/j	HIC*$_{Fde}$	*rgb*$_{Fde}$			*ict*$_{Fde}$			h_{si_Fde}	*rgb**$_{Fde}$			*LabCh**$_{Fde}$				*cmyn**$_{sep,Fde}$				$h_{siM,de}$	*rgb**$_{Mde}$			*LabCh**$_{Mde}$				
0/648	R00Y_100_100$_{de}$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4	0.0	1.0	0.744	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
1/666	R25Y_100_100$_{de}$	1.0	0.25	0.0	1.0	1.0	0.5	44	1.0	0.166	0.0	50.5	59.2	51.6	78.6	41.0	0.0	0.832	1.0	0.0	38	1.0	0.166	0.0	50.5	59.2	51.6	78.6	41.0
2/684	R50Y_100_100$_{de}$	1.0	0.5	0.0	1.0	1.0	0.5	60	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8	0.0	0.6	1.0	0.0	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
3/702	R75Y_100_100$_{de}$	1.0	0.75	0.0	1.0	1.0	0.5	76	1.0	0.604	0.0	70.9	17.9	75.9	77.9	76.7	0.0	0.397	1.0	0.0	66	1.0	0.604	0.0	70.9	17.9	75.9	77.9	76.7
4/720	Y00G_100_100$_{de}$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3	0.0	0.121	1.0	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
5/558	Y25G_100_100$_{de}$	0.75	1.0	0.0	1.0	1.0	0.5	104	0.605	1.0	0.0	74.5	−25.0	74.3	78.4	108.6	0.396	0.0	1.0	0.0	113	0.605	1.0	0.0	74.5	−25.0	74.3	78.4	108.6
6/396	Y50G_100_100$_{de}$	0.5	1.0	0.0	1.0	1.0	0.5	120	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2	0.678	0.0	1.0	0.0	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
7/234	Y75G_100_100$_{de}$	0.25	1.0	0.0	1.0	1.0	0.5	136	0.108	1.0	0.0	54.1	−55.5	37.5	67.0	145.9	0.891	0.0	1.0	0.0	144	0.108	1.0	0.0	54.1	−55.5	37.5	67.0	145.9
8/72	G00B_100_100$_{de}$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2	1.0	0.0	0.847	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
9/72	G00B_100_100$_{de}$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2	1.0	0.0	0.847	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
10/76	G25B_100_100$_{de}$	0.0	1.0	0.5	1.0	1.0	0.5	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6	1.0	0.0	0.495	0.0	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
11/80	G50B_100_100$_{de}$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9	1.0	0.0	0.253	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
12/44	G75B_100_100$_{de}$	0.0	0.5	1.0	1.0	1.0	0.5	240	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3	1.0	0.153	0.0	0.0	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
13/8	B00M_100_100$_{de}$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7	1.0	0.539	0.0	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
14/332	B25R_100_100$_{de}$	0.5	0.0	1.0	1.0	1.0	0.5	300	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1	1.0	0.893	0.0	0.0	264	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
15/656	B50R_100_100$_{de}$	1.0	0.0	1.0	1.0	1.0	0.5	330	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6	0.677	0.999	0.0	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
16/652	B75R_100_100$_{de}$	1.0	0.0	0.5	1.0	1.0	0.5	360	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0	0.264	1.0	0.0	0.0	315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
17/648	R00Y_100_100$_{de}$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4	0.0	1.0	0.744	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
18/688	R00Y_100_050$_{de}$	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.627	70.6	36.1	17.2	40.0	25.4	0.0	0.498	0.295	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
19/706	R50Y_100_050$_{de}$	1.0	0.75	0.5	1.0	0.5	0.75	60	1.0	0.699	0.5	77.9	19.1	31.7	37.0	58.8	0.0	0.375	0.5	0.0	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
20/724	Y00G_100_050$_{de}$	1.0	1.0	0.5	1.0	0.5	0.75	90	1.0	0.939	0.5	89.6	−1.8	45.2	45.2	92.3	0.0	0.087	0.519	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
21/562	Y50G_100_050$_{de}$	0.75	1.0	0.5	1.0	0.5	0.75	120	0.661	1.0	0.5	79.1	−20.4	26.9	33.8	127.2	0.371	0.0	0.498	0.0	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
22/400	G00B_100_050$_{de}$	0.5	1.0	0.5	1.0	0.5	0.75	150	0.5	1.0	0.575	73.1	−31.0	9.9	32.6	162.2	0.613	0.0	0.418	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
23/404	G50B_100_050$_{de}$	0.5	1.0	1.0	1.0	0.5	0.75	210	0.5	1.0	0.873	75.3	−18.1	−13.6	22.6	216.9	0.578	0.0	0.13	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
24/368	B00R_100_050$_{de}$	0.5	0.5	1.0	1.0	0.5	0.75	270	0.5	0.729	1.0	67.9	0.6	−20.3	20.3	271.7	0.53	0.252	0.01	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
25/692	B50R_100_050$_{de}$	1.0	0.5	1.0	1.0	0.5	0.75	330	0.66	0.5	1.0	63.3	23.8	−14.5	27.9	328.6	0.326	0.478	0.0	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
26/688	R00Y_100_050$_{de}$	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.627	70.6	36.1	17.2	40.0	25.4	0.0	0.498	0.295	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
27/506	R00Y_075_050$_{de}$	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.377	52.8	36.1	17.2	40.0	25.4	0.271	0.698	0.52	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
28/524	R50Y_075_050$_{de}$	0.75	0.5	0.25	0.75	0.5	0.5	60	0.75	0.449	0.25	60.1	19.1	31.7	37.0	58.8	0.274	0.513	0.664	0.0	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
29/542	Y00G_075_050$_{de}$	0.75	0.75	0.25	0.75	0.5	0.5	90	0.75	0.689	0.25	71.8	−1.8	45.2	45.2	92.3	0.268	0.252	0.724	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
30/380	Y50G_075_050$_{de}$	0.5	0.75	0.25	0.75	0.5	0.5	120	0.411	0.75	0.25	61.3	−20.4	26.9	33.8	127.2	0.61	0.205	0.699	0.0	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
31/218	G00B_075_050$_{de}$	0.25	0.75	0.25	0.75	0.5	0.5	150	0.25	0.75	0.325	55.3	−31.0	9.9	32.6	162.2	0.782	0.181	0.592	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
32/222	G50B_075_050$_{de}$	0.25	0.75	0.75	0.75	0.5	0.5	210	0.25	0.75	0.623	57.5	−18.1	−13.6	22.6	216.9	0.748	0.207	0.288	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
33/186	B00R_075_050$_{de}$	0.25	0.25	0.75	0.75	0.5	0.5	270	0.25	0.479	0.75	50.1	0.6	−20.3	20.3	271.7	0.727	0.448	0.191	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
34/510	B50R_075_050$_{de}$	0.75	0.25	0.75	0.75	0.5	0.5	330	0.41	0.25	0.75	45.5	23.8	−14.5	27.9	328.6	0.6	0.69	0.212	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
35/506	R00Y_075_050$_{de}$	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.377	52.8	36.1	17.2	40.0	25.4	0.271	0.698	0.52	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
36/324	R00Y_050_050$_{de}$	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.127	35.0	36.1	17.2	40.0	25.4	0.567	0.932	0.871	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
37/342	R50Y_050_050$_{de}$	0.5	0.25	0.0	0.5	0.5	0.25	60	0.5	0.199	0.0	42.3	19.1	31.7	37.0	58.8	0.557	0.734	1.0	0.0	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
38/360	Y00G_050_050$_{de}$	0.5	0.5	0.0	0.5	0.5	0.25	90	0.5	0.439	0.0	54.0	−1.8	45.2	45.2	92.3	0.531	0.448	0.991	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
39/198	Y50G_050_050$_{de}$	0.25	0.5	0.0	0.5	0.5	0.25	120	0.161	0.5	0.0	43.5	−20.4	26.9	33.8	127.2	0.796	0.465	0.995	0.0	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
40/36	G00B_050_050$_{de}$	0.0	0.5	0.0	0.5	0.5	0.25	150	0.0	0.5	0.075	37.5	−31.0	9.9	32.6	162.2	0.984	0.519	0.873	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
41/40	G50B_050_050$_{de}$	0.0	0.5	0.5	0.5	0.5	0.25	210	0.0	0.5	0.373	39.7	−18.1	−13.6	22.6	216.9	0.974	0.514	0.479	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
42/4	B00R_050_050$_{de}$	0.0	0.0	0.5	0.5	0.5	0.25	270	0.0	0.229	0.5	32.3	0.6	−20.3	20.3	271.7	0.977	0.758	0.404	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
43/328	B50R_050_050$_{de}$	0.5	0.0	0.5	0.5	0.5	0.25	330	0.16	0.0	0.5	27.7	23.8	−14.5	27.9	328.6	0.84	0.99	0.486	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
44/324	R00Y_050_050$_{de}$	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.127	35.0	36.1	17.2	40.0	25.4	0.567	0.932	0.871	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
45/0	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0	1.0	1.0	1.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
46/91	NW_013$_{de}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	33.2	0.0	0.0	0.0	0.0	0.885	0.774	0.736	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
47/182	NW_025$_{de}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	42.1	0.0	0.0	0.0	0.0	0.743	0.587	0.55	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
48/273	NW_038$_{de}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	51.0	0.0	0.0	0.0	0.0	0.653	0.473	0.452	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
49/364	NW_050$_{de}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	60.0	0.0	0.0	0.0	0.0	0.54	0.382	0.356	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
50/455	NW_063$_{de}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.9	0.0	0.0	0.0	0.0	0.417	0.26	0.26	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
51/546	NW_075$_{de}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0	0.299	0.181	0.177	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
52/637	NW_088$_{de}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.7	0.0	0.0	0.0	0.0	0.162	0.101	0.093	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
53/728	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0

Mean color difference of this page: **delta**

TUB-test chart QE48; hue code: H*$_e$=Y25G$_e$
colors and differences, $\Delta E'$*

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

n=j	HIC*Fde	rgb_Fde			ict_Fde			hsi_Fde	rgb*Fde			LabCh*Fde				cmyn*sep,Fde				hsiM,de	rgb*Mde			LabCh*Mde			
0	NW_000de	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	1.0	1.0	1.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1	B00R_012_012de	0.0	0.0	0.125	0.125	0.125	0.062	270	0.0	0.057	0.125	26.3	0.1	−5.0	5.0	0.984	0.915	0.774	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6
2	B00R_025_025de	0.0	0.0	0.25	0.25	0.25	0.125	270	0.0	0.114	0.25	28.3	0.3	−10.1	10.1	0.979	0.856	0.619	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6
3	B00R_037_037de	0.0	0.0	0.375	0.375	0.375	0.187	270	0.0	0.171	0.375	30.3	0.4	−15.2	15.2	0.976	0.807	0.511	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6
4	B00R_050_050de	0.0	0.0	0.5	0.5	0.5	0.25	270	0.0	0.229	0.5	32.3	0.6	−20.3	20.3	0.977	0.758	0.404	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6
5	B00R_062_062de	0.0	0.0	0.625	0.625	0.625	0.312	270	0.0	0.286	0.625	34.3	0.7	−25.4	25.4	0.979	0.705	0.302	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6
6	B00R_075_075de	0.0	0.0	0.75	0.75	0.75	0.375	270	0.0	0.343	0.75	36.2	0.9	−30.5	30.5	0.983	0.644	0.199	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6
7	B00R_087_087de	0.0	0.0	0.875	0.875	0.875	0.437	270	0.0	0.4	0.875	38.2	1.0	−35.5	35.6	0.991	0.591	0.1	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6
8	B00R_100_100de	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	1.0	0.539	0.0	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6
9	G00B_012_012de	0.0	0.125	0.0	0.125	0.125	0.062	150	0.0	0.125	0.018	27.6	−7.7	2.4	8.1	0.991	0.859	0.959	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2
10	G50B_012_012de	0.0	0.125	0.125	0.125	0.125	0.062	210	0.0	0.125	0.093	28.2	−4.5	−3.4	5.6	0.983	0.849	0.779	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3
11	G75B_025_025de	0.0	0.125	0.25	0.25	0.25	0.125	240	0.0	0.211	0.25	31.6	−4.9	−10.3	11.4	0.973	0.771	0.583	0.0	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9
12	G84B_037_037de	0.0	0.125	0.375	0.375	0.375	0.187	251	0.0	0.25	0.375	33.1	−4.3	−15.4	15.9	0.972	0.73	0.485	0.0	229	0.0	0.666	1.0	47.8	−11.4	−41.0	42.6
13	G88B_050_050de	0.0	0.125	0.5	0.5	0.5	0.25	256	0.0	0.301	0.5	35.0	−3.9	−20.4	20.8	0.973	0.683	0.385	0.0	233	0.0	0.602	1.0	45.6	−7.9	−40.9	41.7
14	G90B_062_062de	0.0	0.125	0.625	0.625	0.625	0.312	259	0.0	0.357	0.625	36.9	−3.7	−25.6	25.8	0.976	0.63	0.287	0.0	235	0.0	0.572	1.0	44.5	−5.9	−40.9	41.4
15	G92B_075_075de	0.0	0.125	0.75	0.75	0.75	0.375	261	0.0	0.414	0.75	38.9	−3.4	−30.7	30.9	0.983	0.575	0.192	0.0	236	0.0	0.552	1.0	43.7	−4.6	−40.9	41.2
16	G93B_087_087de	0.0	0.125	0.875	0.875	0.875	0.437	262	0.0	0.474	0.875	40.9	−3.4	−35.8	35.9	0.991	0.521	0.096	0.0	237	0.0	0.542	1.0	43.3	−3.9	−40.9	41.1
17	G94B_100_100de	0.0	0.125	1.0	1.0	1.0	0.5	263	0.0	0.532	1.0	42.9	−3.3	−40.8	41.0	1.0	0.466	0.0	0.0	237	0.0	0.532	1.0	42.9	−3.3	−40.8	41.0
18	G00B_025_025de	0.0	0.25	0.0	0.25	0.25	0.125	150	0.0	0.25	0.037	30.9	−15.5	4.9	16.3	0.987	0.751	0.917	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2
19	G25B_025_025de	0.0	0.25	0.125	0.25	0.25	0.125	180	0.0	0.25	0.125	31.5	−12.1	−2.0	12.3	0.985	0.748	0.749	0.0	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2
20	G50B_025_025de	0.0	0.25	0.25	0.25	0.25	0.125	210	0.0	0.25	0.186	32.0	−9.0	−6.8	11.3	0.978	0.752	0.643	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3
21	G65B_037_037de	0.0	0.25	0.375	0.375	0.375	0.187	229	0.0	0.375	0.355	36.3	−10.4	−14.5	17.8	0.969	0.636	0.48	0.0	207	0.0	1.0	0.948	56.4	−27.8	−38.7	47.7
22	G75B_050_050de	0.0	0.25	0.5	0.5	0.5	0.25	240	0.0	0.423	0.5	38.8	−9.9	−20.6	22.9	0.968	0.578	0.365	0.0	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9
23	G80B_062_062de	0.0	0.25	0.625	0.625	0.625	0.312	247	0.0	0.453	0.625	40.2	−8.9	−25.7	27.2	0.974	0.541	0.276	0.0	225	0.0	0.726	1.0	49.7	−14.3	−41.1	43.5
24	G84B_075_075de	0.0	0.25	0.75	0.75	0.75	0.375	251	0.0	0.5	0.75	41.9	−8.6	−30.8	31.9	0.982	0.496	0.186	0.0	229	0.0	0.666	1.0	47.8	−11.4	−41.0	42.6
25	G86B_087_087de	0.0	0.25	0.875	0.875	0.875	0.437	254	0.0	0.545	0.875	43.7	−8.1	−35.7	36.7	0.99	0.45	0.095	0.0	231	0.0	0.622	1.0	46.4	−9.3	−40.9	41.9
26	G88B_100_100de	0.0	0.25	1.0	1.0	1.0	0.5	256	0.0	0.602	1.0	45.6	−7.9	−40.9	41.7	1.0	0.397	0.0	0.0	233	0.0	0.602	1.0	45.6	−7.9	−40.9	41.7
27	G00B_037_037de	0.0	0.375	0.0	0.375	0.375	0.187	150	0.0	0.375	0.056	34.2	−23.2	7.4	24.4	0.984	0.637	0.89	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2
28	G15B_037_037de	0.0	0.375	0.125	0.375	0.375	0.187	169	0.0	0.375	0.151	34.8	−20.0	0.1	20.0	0.985	0.636	0.752	0.0	173	0.0	1.0	0.403	52.2	−53.4	0.4	53.4
29	G34B_037_037de	0.0	0.375	0.25	0.375	0.375	0.187	191	0.0	0.375	0.222	35.4	−16.5	−5.9	17.6	0.98	0.629	0.626	0.0	186	0.0	1.0	0.592	53.7	−44.2	−15.7	46.9
30	G50B_037_037de	0.0	0.375	0.375	0.375	0.375	0.187	210	0.0	0.375	0.28	35.8	−13.5	−10.2	16.9	0.975	0.633	0.555	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3
31	G61B_050_050de	0.0	0.375	0.5	0.5	0.5	0.25	224	0.0	0.5	0.446	40.1	−15.0	−17.7	23.2	0.971	0.522	0.41	0.0	204	0.0	1.0	0.892	56.0	−30.0	−35.5	46.5
32	G69B_062_062de	0.0	0.375	0.625	0.625	0.625	0.312	233	0.0	0.625	0.621	44.6	−16.1	−25.7	30.3	0.972	0.422	0.263	0.0	209	0.0	1.0	0.994	56.7	−25.7	−41.2	48.6
33	G75B_075_075de	0.0	0.375	0.75	0.75	0.75	0.375	240	0.0	0.634	0.75	46.0	−14.8	−31.0	34.4	0.978	0.389	0.172	0.0	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9
34	G79B_087_087de	0.0	0.375	0.875	0.875	0.875	0.437	245	0.0	0.662	0.875	47.3	−13.8	−36.0	38.5	0.987	0.349	0.087	0.0	223	0.0	0.757	1.0	50.6	−15.8	−41.1	44.1
35	G81B_100_100de	0.0	0.375	1.0	1.0	1.0	0.5	248	0.0	0.711	1.0	49.2	−13.6	−41.1	43.3	1.0	0.289	0.0	0.0	226	0.0	0.711	1.0	49.2	−13.6	−41.1	43.3
36	G00B_050_050de	0.0	0.5	0.0	0.5	0.5	0.25	150	0.0	0.5	0.075	37.5	−31.0	9.9	32.6	0.984	0.519	0.873	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2
37	G11B_050_050de	0.0	0.5	0.125	0.5	0.5	0.25	164	0.0	0.5	0.175	38.1	−27.7	2.4	27.8	0.984	0.516	0.747	0.0	170	0.0	1.0	0.35	51.8	−55.5	4.8	55.7
38	G25B_050_050de	0.0	0.5	0.25	0.5	0.5	0.25	180	0.0	0.5	0.251	38.6	−24.3	−4.1	24.6	0.983	0.514	0.639	0.0	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2
39	G38B_050_050de	0.0	0.5	0.375	0.5	0.5	0.25	196	0.0	0.5	0.316	39.2	−21.0	−9.4	23.0	0.979	0.512	0.549	0.0	188	0.0	1.0	0.633	54.1	−42.0	−18.8	46.0
40	G50B_050_050de	0.0	0.5	0.5	0.5	0.5	0.25	210	0.0	0.5	0.373	39.7	−18.1	−13.6	22.6	0.974	0.514	0.479	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3
41	G59B_062_062de	0.0	0.5	0.625	0.625	0.625	0.312	221	0.0	0.625	0.537	44.0	−19.6	−21.0	28.8	0.977	0.417	0.344	0.0	202	0.0	1.0	0.86	55.7	−31.4	−33.7	46.0
42	G65B_075_075de	0.0	0.5	0.75	0.75	0.75	0.375	229	0.0	0.75	0.711	48.4	−20.8	−29.0	35.7	0.981	0.292	0.205	0.0	207	0.0	1.0	0.948	56.4	−27.8	−38.7	47.7
43	G70B_087_087de	0.0	0.5	0.875	0.875	0.875	0.437	235	0.0	0.841	0.875	52.0	−21.1	−36.3	42.0	0.989	0.188	0.081	0.0	211	0.0	0.962	1.0	56.0	−24.1	−41.5	48.0
44	G75B_100_100de	0.0	0.5	1.0	1.0	1.0	0.5	240	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	1.0	0.153	0.0	0.0	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9
45	G00B_062_062de	0.0	0.625	0.0	0.625	0.625	0.312	150	0.0	0.625	0.094	40.8	−38.8	12.4	40.7	0.987	0.415	0.862	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2
46	G09B_062_062de	0.0	0.625	0.125	0.625	0.625	0.312	161	0.0	0.625	0.195	41.4	−35.6	4.8	35.9	0.987	0.413	0.743	0.0	167	0.0	1.0	0.312	51.6	−56.9	7.7	57.4
47	G19B_062_062de	0.0	0.625	0.25	0.625	0.625	0.312	173	0.0	0.625	0.274	41.9	−32.4	−1.8	32.4	0.988	0.41	0.65	0.0	175	0.0	1.0	0.439	52.5	−51.8	−2.9	51.9
48	G30B_062_062de	0.0	0.625	0.375	0.625	0.625	0.312	187	0.0	0.625	0.349	42.5	−28.7	−8.2	29.8	0.986	0.408	0.553	0.0	183	0.0	1.0	0.559	53.4	−45.9	−13.1	47.8
49	G40B_062_062de	0.0	0.625	0.5	0.625	0.625	0.312	199	0.0	0.625	0.411	43.0	−25.5	−12.9	28.6	0.982	0.408	0.477	0.0	190	0.0	1.0	0.658	54.3	−40.9	−20.7	45.9
50	G50B_062_062de	0.0	0.625	0.625	0.625	0.625	0.312	210	0.0	0.625	0.467	43.5	−22.6	−17.0	28.3	0.979	0.413	0.411	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3
51	G57B_075_075de	0.0	0.625	0.75	0.75	0.75	0.375	219	0.0	0.75	0.629	47.8	−24.2	−24.4	34.4	0.983	0.288	0.287	0.0	201	0.0	1.0	0.839	55.6	−32.3	−32.5	45.9
52	G63B_087_087de	0.0	0.625	0.875	0.875	0.875	0.437	226	0.0	0.875	0.8	52.2	−25.5	−32.2	41.1	0.99	0.16	0.157	0.0	205	0.0	1.0	0.915	56.1	−29.2	−36.8	47.0
53	G68B_100_100de	0.0	0.625	1.0	1.0	1.0	0.5	232	0.0	1.0	0.982	56.6	−26.3	−40.6	48.3	1.0	0.0	0.017	0.0	209	0.0	1.0	0.982	56.6	−26.3	−40.6	48.3
54	G00B_075_075de	0.0	0.75	0.0	0.75	0.75	0.375	150	0.0	0.75	0.113	44.1	−46.5	14.9	48.9	0.99	0.286	0.855	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2
55	G07B_075_075de	0.0	0.75	0.125	0.75	0.75	0.375	159	0.0	0.75	0.215	44.6	−43.3	7.3	43.9	0.99	0.284	0.744	0.0	166	0.0	1.0	0.287	51.4	−57.8	9.7	58.6
56	G15B_075_075de	0.0	0.75	0.25	0.75	0.75	0.375	169	0.0	0.75	0.302	45.2	−40.1	0.3	40.1	0.99	0.282	0.646	0.0	173	0.0	1.0	0.403	52.2	−53.4	0.4	53.4
57	G25B_075_075de	0.0	0.75	0.375	0.75	0.75	0.375	180	0.0	0.75	0.376	45.8	−36.4	−6.1	36.9	0.989	0.282	0.561	0.0	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2
58	G34B_075_075de	0.0	0.75	0.5	0.75	0.75	0.375	191	0.0	0.75	0.444	46.4	−33.1	−11.8	35.2	0.988	0.28	0.489	0.0	186	0.0	1.0	0.592	53.7	−44.2	−15.7	46.9
59	G42B_075_075de	0.0	0.75	0.625	0.75	0.75	0.375	201	0.0	0.75	0.505	46.9	−30.1	−16.5	34.3	0.987	0.282	0.42	0.0	191	0.0	1.0	0.674	54.4	−40.1	−22.0	45.8
60	G50B_075_075de	0.0	0.75	0.75	0.75	0.75	0.375	210	0.0	0.75	0.56	47.3	−27.1	−20.4	33.9	0.984	0.286	0.357	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3
61	G56B_087_087de	0.0	0.75	0.875	0.875	0.875	0.437	218	0.0	0.875	0.725	51.6	−28.7	−28.0	40.1	0.992	0.157	0.234	0.0	200	0.0	1.0	0.829	55.5	−32.8	−32.0	45.8
62	G61B_100_100de	0.0	0.75	1.0	1.0	1.0	0.5	224	0.0	1.0	0.892	56.0	−30.0	−35.5	46.5	1.0	0.0	0.107	0.0	204	0.0	1.0	0.892	56.0	−30.0	−35.5	46.5
63	G00B_087_087de	0.0	0.875	0.0	0.875	0.875	0.437	150	0.0	0.875	0.132	47.3	−54.3	17.4	57.0	0.995	0.157	0.853	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2
64	G06B_087_087de	0.0	0.875	0.125	0.875	0.875	0.437	158	0.0	0.875	0.239	48.0	−50.9	9.4	51.8	0.995	0.155	0.739	0.0	165	0.0	1.0	0.274	51.3	−58.2	10.7	59.2
65	G13B_087_087de	0.0	0.875	0.25	0.875	0.875	0.437	166	0.0	0.875	0.329	48.5	−47.7	2.6	47.8	0.994	0.157	0.647	0.0	171	0.0	1.0	0.376	52.0	−54.5	3.0	54.6
66	G20B_087_087de	0.0	0.875	0.375	0.875	0.875	0.437	175	0.0	0.875	0.4	49.1	−44.6	−3.9	44.7	0.997	0.155	0.57	0.0	177	0.0	1.0	0.457	52.6	−50.9	−4.4	51.1
67	G29B_087_087de	0.0	0.875	0.5	0.875	0.875	0.437	185	0.0	0.875	0.475	49.7	−40.9	−10.3	42.2	0.995	0.153	0.496	0.0	182	0.0	1.0	0.543	53.3	−46.7	−11.8	48.2
68	G36B_087_087de	0.0	0.875	0.625	0.875	0.875	0.437	194	0.0	0.875	0.54	50.2	−37.4	−15.4	40.5	0.994	0.154	0.429	0.0	187	0.0	1.0	0.617	53.9	−42.8	−17.6	46.3
69	G43B_087_087de	0.0	0.875	0.75	0.875	0.875	0.437	202	0.0	0.875	0.597	50.7	−34.7	−19.8	40.0	0.994	0.153	0.371	0.0	191	0.0	1.0	0.682	54.5	−39.7	−22.6	45.7
70	G50B_087_087de	0.0	0.875	0.875	0.875	0.875	0.437	210	0.0	0.875	0.653	51.1	−31.6	−23.8	39.6	0.992	0.158	0.304	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3
71	G55B_100_100de	0.0	0.875	1.0	1.0	1.0	0.5	217	0.0	1.0	0.818	55.5	−33.2	−31.4	45.7	1.0	0.0	0.181	0.0	200	0.0	1.0	0.818	55.5	−33.2	−31.4	45.7
72	G00B_100_100de	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	1.0	0.0	0.847	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2
73	G05B_100_100de	0.0	1.0	0.125	1.0	1.0	0.5	157	0.0	1.0	0.261	51.3	−58.6	11.8	59.7	1.0	0.0	0.736	0.0	164	0.0	1.0	0.261	51.3	−58.6	11.8	59.7
74	G11B_100_100de	0.0	1.0	0.25	1.0	1.0	0.5	164	0.0	1.0	0.35	51.8	−55.5	4.8	55.7	1.0	0.0	0.646	0.0	170	0.0	1.0	0.35	51.8	−55.5	4.8	55.7
75	G18B_100_100de	0.0	1.0	0.375	1.0	1.0	0.5	172	0.0	1.0	0.43	52.4	−52.2	−2.1	52.3	1.0	0.0	0.566	0.0	175	0.0	1.0	0.43	52.4	−52.2	−2.1	52.3
76	G25B_100_100de	0.0	1.0	0.5	1.0	1.0	0.5	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	1.0	0.0	0.495	0.0	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2
77	G31B_100_100de	0.0	1.0	0.625	1.0	1.0	0.5	188	0.0	1.0	0.568	53.5	−45.5	−13.8	47.5	1.0	0.0	0.429	0.0	184	0.0	1.0	0.568	53.5	−45.5	−13.8	47.5
78	G38B_100_100de	0.0	1.0	0.75	1.0	1.0	0.5	196	0.0	1.0	0.633	54.1	−42.0	−18.8	46.0	1.0	0.0	0.367	0.0	188	0.0	1.0	0.633	54.1	−42.0	−18.8	46.0
79	G44B_100_100de	0.0	1.0	0.875	1.0	1.0	0.5	203	0.0	1.0	0.69	54.5	−39.3	−23.2	45.6	1.0	0.0	0.309	0.0	192	0.0	1.0	0.69	54.5	−39.3	−23.2	45.6
80	G50B_100_100de	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	1.0	0.0	0.253	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3

Mean color difference of this page: **delta**

TUB-test chart QE48; hue code: H*e=Y25Ge
colors and differences, ΔE'*

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

1−1131931−F0

QE48 11L

http://130.149.60.45/~farbmetrik/QE48/QE48L0FA.TXT /.PS; 3D-linearization
F: 3D-linearization QE48/QE48LE30FA.DAT in file (F), page 21/33

TUB registration: 20130201-QE48/QE48L0FA.TXT /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0* (CMY0)

n	HIC*$_{Fde}$	rgb$_{\_Fde}$			ict$_{\_Fde}$			$h_{si\_F,de}$	rgb*$_{Fde}$			LabCh*$_{Fde}$					cmyn*$_{sep,Fde}$				$h_{siM,de}$	rgb*$_{Mde}$			LabCh*$_{Mde}$				
81	R00Y_012_012$_{de}$	0.125	0.0	0.0	0.125	0.125	0.062	390	0.125	0.0	0.031	27.0	9.0	4.3	10.0	25.4	0.901	0.963	0.999	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
82	B50R_012_012$_{de}$	0.125	0.0	0.125	0.125	0.125	0.062	330	0.04	0.0	0.125	25.2	5.9	−3.6	6.9	328.6	0.961	0.98	0.829	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
83	B25R_025_025$_{de}$	0.125	0.0	0.25	0.25	0.25	0.125	300	0.0	0.026	0.25	25.3	5.8	−10.0	11.6	300.1	0.983	0.965	0.66	0.0	264	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
84	B15R_037_037$_{de}$	0.125	0.0	0.375	0.375	0.375	0.187	289	0.0	0.093	0.375	27.5	5.4	−15.0	16.0	289.7	0.978	0.885	0.538	0.0	256	0.0	0.248	1.0	32.8	14.4	−40.2	42.7	289.7
85	B11R_050_050$_{de}$	0.125	0.0	0.5	0.5	0.5	0.25	284	0.0	0.151	0.5	29.5	5.4	−20.2	20.9	285.0	0.978	0.834	0.428	0.0	252	0.0	0.302	1.0	34.7	10.8	−40.4	41.8	285.0
86	B09R_062_062$_{de}$	0.125	0.0	0.625	0.625	0.625	0.312	281	0.0	0.209	0.625	31.5	5.4	−25.2	25.8	282.1	0.981	0.781	0.319	0.0	250	0.0	0.335	1.0	35.9	8.7	−40.4	41.3	282.1
87	B07R_075_075$_{de}$	0.125	0.0	0.75	0.75	0.75	0.375	279	0.0	0.267	0.75	33.6	5.4	−30.2	30.7	280.2	0.985	0.722	0.213	0.0	249	0.0	0.356	1.0	36.6	7.3	−40.3	40.9	280.2
88	B06R_087_087$_{de}$	0.125	0.0	0.875	0.875	0.875	0.437	278	0.0	0.321	0.875	35.4	5.7	−35.2	35.7	279.3	0.99	0.666	0.108	0.0	248	0.0	0.367	1.0	37.0	6.6	−40.2	40.8	279.3
89	B05R_100_100$_{de}$	0.125	0.0	1.0	1.0	1.0	0.5	277	0.0	0.378	1.0	37.4	5.9	−40.2	40.7	278.3	1.0	0.62	0.0	0.0	248	0.0	0.378	1.0	37.4	5.9	−40.2	40.7	278.3
90	Y00G_012_012$_{de}$	0.125	0.125	0.0	0.125	0.125	0.062	90	0.125	0.109	0.0	31.7	−0.4	11.3	11.3	92.3	0.878	0.805	1.0	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
91	NW_012$_{de}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	33.2	0.0	0.0	0.0	0.0	0.885	0.774	0.736	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
92	B00R_025_012$_{de}$	0.125	0.125	0.25	0.25	0.125	0.187	270	0.124	0.182	0.25	35.2	0.1	−5.0	5.0	271.7	0.877	0.732	0.61	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
93	B00R_037_025$_{de}$	0.125	0.125	0.375	0.375	0.25	0.25	270	0.124	0.239	0.375	37.2	0.3	−10.1	10.1	271.7	0.867	0.69	0.504	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
94	B00R_050_037$_{de}$	0.125	0.125	0.5	0.5	0.375	0.312	270	0.124	0.296	0.5	39.2	0.4	−15.2	15.2	271.7	0.862	0.64	0.395	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
95	B00R_062_050$_{de}$	0.125	0.125	0.625	0.625	0.5	0.375	270	0.125	0.354	0.625	41.2	0.6	−20.3	20.3	271.7	0.86	0.592	0.3	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
96	B00R_075_062$_{de}$	0.125	0.125	0.75	0.75	0.625	0.437	270	0.125	0.411	0.75	43.2	0.7	−25.4	25.4	271.7	0.863	0.548	0.204	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
97	B00R_087_075$_{de}$	0.125	0.125	0.875	0.875	0.75	0.5	270	0.125	0.468	0.875	45.1	0.9	−30.5	30.5	271.7	0.867	0.501	0.105	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
98	B00R_100_087$_{de}$	0.125	0.125	1.0	1.0	0.875	0.562	270	0.125	0.525	1.0	47.1	1.0	−35.5	35.6	271.7	0.872	0.46	0.006	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
99	Y50G_025_025$_{de}$	0.125	0.25	0.0	0.25	0.25	0.125	120	0.08	0.25	0.0	33.9	−10.2	13.4	16.9	127.2	0.901	0.717	1.0	0.0	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
100	G00B_025_012$_{de}$	0.125	0.25	0.125	0.25	0.125	0.187	150	0.124	0.25	0.143	36.5	−7.7	2.4	8.1	162.2	0.885	0.672	0.733	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
101	G50B_025_012$_{de}$	0.125	0.25	0.25	0.25	0.125	0.187	210	0.124	0.25	0.218	37.1	−4.5	−3.4	5.6	216.9	0.878	0.673	0.621	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
102	G75B_037_025$_{de}$	0.125	0.25	0.375	0.375	0.25	0.25	240	0.124	0.336	0.375	40.5	−4.9	−10.3	11.4	244.3	0.863	0.6	0.472	0.0	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
103	G84B_050_037$_{de}$	0.125	0.25	0.5	0.5	0.375	0.312	251	0.124	0.375	0.5	42.0	−4.3	−15.4	15.9	254.3	0.861	0.563	0.379	0.0	229	0.0	0.666	1.0	47.8	−11.4	−41.0	42.6	254.3
104	G88B_062_050$_{de}$	0.125	0.25	0.625	0.625	0.5	0.375	256	0.125	0.426	0.625	43.9	−3.9	−20.4	20.8	258.9	0.862	0.524	0.288	0.0	233	0.0	0.602	1.0	45.6	−7.9	−40.9	41.7	258.9
105	G90B_075_062$_{de}$	0.125	0.25	0.75	0.75	0.625	0.437	259	0.125	0.482	0.75	45.8	−3.7	−25.6	25.8	261.6	0.865	0.482	0.193	0.0	235	0.0	0.572	1.0	44.5	−5.9	−40.9	41.4	261.6
106	G92B_087_075$_{de}$	0.125	0.25	0.875	0.875	0.75	0.5	261	0.125	0.539	0.875	47.8	−3.4	−30.7	30.9	263.5	0.872	0.441	0.098	0.0	236	0.0	0.552	1.0	43.7	−4.6	−40.9	41.2	263.5
107	G93B_100_087$_{de}$	0.125	0.25	1.0	1.0	0.875	0.562	262	0.125	0.599	1.0	49.8	−3.4	−35.8	35.9	264.4	0.875	0.399	0.001	0.0	237	0.0	0.542	1.0	43.3	−3.9	−40.9	41.1	264.4
108	Y68G_037_037$_{de}$	0.125	0.375	0.0	0.375	0.375	0.187	131	0.069	0.375	0.0	36.4	−19.1	15.9	24.9	140.0	0.912	0.622	1.0	0.0	139	0.184	1.0	0.0	56.4	−50.9	42.6	66.4	140.0
109	G00B_037_025$_{de}$	0.125	0.375	0.125	0.375	0.25	0.25	150	0.124	0.375	0.162	39.8	−15.5	4.9	16.3	162.2	0.887	0.564	0.733	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
110	G25B_037_025$_{de}$	0.125	0.375	0.25	0.375	0.25	0.25	180	0.124	0.375	0.25	40.4	−12.1	−2.0	12.3	189.6	0.882	0.564	0.617	0.0	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
111	G50B_037_025$_{de}$	0.125	0.375	0.375	0.375	0.25	0.25	210	0.124	0.375	0.311	40.9	−9.0	−6.8	11.3	216.9	0.874	0.571	0.533	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
112	G65B_050_037$_{de}$	0.125	0.375	0.5	0.5	0.375	0.312	229	0.124	0.5	0.48	45.3	−10.4	−14.5	17.8	234.3	0.862	0.474	0.379	0.0	207	0.0	1.0	0.948	56.4	−27.8	−38.7	47.7	234.3
113	G75B_062_050$_{de}$	0.125	0.375	0.625	0.625	0.5	0.375	240	0.125	0.548	0.625	47.7	−9.9	−20.6	22.9	244.3	0.86	0.43	0.27	0.0	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
114	G80B_075_062$_{de}$	0.125	0.375	0.75	0.75	0.625	0.437	247	0.125	0.578	0.75	49.1	−8.9	−25.7	27.2	250.7	0.868	0.406	0.183	0.0	225	0.0	0.726	1.0	49.7	−14.3	−41.1	43.5	250.7
115	G84B_087_075$_{de}$	0.125	0.375	0.875	0.875	0.75	0.5	251	0.125	0.625	0.875	50.8	−8.6	−30.8	31.9	254.3	0.875	0.371	0.093	0.0	229	0.0	0.666	1.0	47.8	−11.4	−41.0	42.6	254.3
116	G86B_100_087$_{de}$	0.125	0.375	1.0	1.0	0.875	0.562	254	0.125	0.67	1.0	52.6	−8.1	−35.7	36.7	257.1	0.879	0.319	0.005	0.0	231	0.0	0.622	1.0	46.4	−9.3	−40.9	41.9	257.1
117	Y76G_050_050$_{de}$	0.125	0.5	0.0	0.5	0.5	0.25	136	0.054	0.5	0.0	39.2	−27.7	18.7	33.5	145.9	0.923	0.511	1.0	0.0	144	0.108	1.0	0.0	54.1	−55.5	37.5	67.0	145.9
118	G00B_050_037$_{de}$	0.125	0.5	0.125	0.5	0.375	0.312	150	0.124	0.5	0.181	43.1	−23.2	7.4	24.4	162.2	0.891	0.458	0.732	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
119	G15B_050_037$_{de}$	0.125	0.5	0.25	0.5	0.375	0.312	169	0.124	0.5	0.276	43.7	−20.0	0.1	20.0	179.5	0.889	0.458	0.623	0.0	173	0.0	1.0	0.403	52.2	−53.4	0.4	53.4	179.5
120	G34B_050_037$_{de}$	0.125	0.5	0.375	0.5	0.375	0.312	191	0.124	0.5	0.347	44.3	−16.5	−5.9	17.6	199.6	0.882	0.458	0.525	0.0	186	0.0	1.0	0.592	53.7	−44.2	−15.7	46.9	199.6
121	G50B_050_037$_{de}$	0.125	0.5	0.5	0.5	0.375	0.312	210	0.124	0.5	0.405	44.7	−13.5	−10.2	16.9	216.9	0.874	0.465	0.454	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
122	G61B_062_050$_{de}$	0.125	0.5	0.625	0.625	0.5	0.375	224	0.125	0.625	0.571	49.0	−15.0	−17.7	23.2	229.7	0.869	0.381	0.315	0.0	204	0.0	1.0	0.892	56.0	−30.0	−35.5	46.5	229.7
123	G69B_075_062$_{de}$	0.125	0.5	0.75	0.75	0.625	0.437	233	0.125	0.75	0.746	53.5	−16.1	−25.7	30.3	237.9	0.871	0.265	0.176	0.0	209	0.0	1.0	0.994	56.7	−25.7	−41.2	48.6	237.9
124	G75B_087_075$_{de}$	0.125	0.5	0.875	0.875	0.75	0.5	240	0.125	0.759	0.875	54.9	−14.8	−31.0	34.4	244.3	0.877	0.235	0.088	0.0	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
125	G79B_100_087$_{de}$	0.125	0.5	1.0	1.0	0.875	0.562	245	0.125	0.787	1.0	56.2	−13.8	−36.0	38.5	248.9	0.882	0.202	0.004	0.0	223	0.0	0.757	1.0	50.6	−15.8	−41.1	44.1	248.9
126	Y81G_062_062$_{de}$	0.125	0.625	0.0	0.625	0.625	0.312	139	0.043	0.625	0.0	42.0	−36.9	21.8	42.8	149.4	0.937	0.412	1.0	0.0	146	0.069	1.0	0.0	52.6	−59.0	34.9	68.6	149.4
127	G00B_062_050$_{de}$	0.125	0.625	0.125	0.625	0.5	0.375	150	0.125	0.625	0.2	46.4	−31.0	9.9	32.6	162.2	0.897	0.356	0.727	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
128	G11B_062_050$_{de}$	0.125	0.625	0.25	0.625	0.5	0.375	164	0.125	0.625	0.3	47.0	−27.7	2.4	27.8	175.0	0.896	0.359	0.622	0.0	170	0.0	1.0	0.35	51.8	−55.5	4.8	55.7	175.0
129	G25B_062_050$_{de}$	0.125	0.625	0.375	0.625	0.5	0.375	180	0.125	0.625	0.376	47.5	−24.3	−4.1	24.6	189.6	0.891	0.358	0.533	0.0	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
130	G38B_062_050$_{de}$	0.125	0.625	0.5	0.625	0.5	0.375	196	0.125	0.625	0.441	48.1	−21.0	−9.4	23.0	204.2	0.884	0.363	0.453	0.0	188	0.0	1.0	0.633	54.1	−42.0	−18.8	46.0	204.2
131	G50B_062_050$_{de}$	0.125	0.625	0.625	0.625	0.5	0.375	210	0.125	0.625	0.498	48.6	−18.1	−13.6	22.6	216.9	0.877	0.37	0.385	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
132	G59B_075_062$_{de}$	0.125	0.625	0.75	0.75	0.625	0.437	221	0.125	0.75	0.662	52.9	−19.6	−21.0	28.8	227.0	0.877	0.251	0.257	0.0	202	0.0	1.0	0.86	55.7	−31.4	−33.7	46.0	227.0
133	G65B_087_075$_{de}$	0.125	0.625	0.875	0.875	0.75	0.5	229	0.125	0.875	0.836	57.3	−20.8	−29.0	35.7	234.3	0.883	0.143	0.124	0.0	207	0.0	1.0	0.948	56.4	−27.8	−38.7	47.7	234.3
134	G70B_100_087$_{de}$	0.125	0.625	1.0	1.0	0.875	0.562	235	0.125	0.966	1.0	60.9	−21.1	−36.3	42.0	239.7	0.885	0.026	0.0	0.0	211	0.0	0.962	1.0	56.0	−24.1	−41.5	48.0	239.7
135	Y85G_075_075$_{de}$	0.125	0.75	0.0	0.75	0.75	0.375	141	0.032	0.75	0.0	44.8	−46.0	24.7	52.2	151.7	0.954	0.288	1.0	0.0	147	0.042	1.0	0.0	51.6	−61.3	33.0	69.7	151.7
136	G00B_075_062$_{de}$	0.125	0.75	0.125	0.75	0.625	0.437	150	0.125	0.75	0.219	49.7	−38.8	12.4	40.7	162.2	0.904	0.222	0.725	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
137	G09B_075_062$_{de}$	0.125	0.75	0.25	0.75	0.625	0.437	161	0.125	0.75	0.32	50.3	−35.6	4.8	35.9	172.2	0.901	0.225	0.619	0.0	167	0.0	1.0	0.312	51.6	−56.9	7.7	57.4	172.2
138	G19B_075_062$_{de}$	0.125	0.75	0.375	0.75	0.625	0.437	173	0.125	0.75	0.399	50.8	−32.4	−1.8	32.4	183.2	0.897	0.225	0.541	0.0	175	0.0	1.0	0.439	52.5	−51.8	−2.9	51.9	183.2
139	G30B_075_062$_{de}$	0.125	0.75	0.5	0.75	0.625	0.437	187	0.125	0.75	0.474	51.4	−28.7	−8.2	29.8	195.9	0.89	0.229	0.46	0.0	183	0.0	1.0	0.559	53.4	−45.9	−13.1	47.8	195.9
140	G40B_075_062$_{de}$	0.125	0.75	0.625	0.75	0.625	0.437	199	0.125	0.75	0.536	51.9	−25.5	−12.9	28.6	206.9	0.886	0.236	0.393	0.0	190	0.0	1.0	0.658	54.3	−40.9	−20.7	45.9	206.9
141	G50B_075_062$_{de}$	0.125	0.75	0.75	0.75	0.625	0.437	210	0.125	0.75	0.592	52.4	−22.6	−17.0	28.3	216.9	0.881	0.244	0.327	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
142	G57B_087_075$_{de}$	0.125	0.75	0.875	0.875	0.75	0.5	219	0.125	0.875	0.754	56.7	−24.2	−24.4	34.4	225.1	0.886	0.135	0.21	0.0	201	0.0	1.0	0.839	55.6	−32.3	−32.5	45.9	225.1
143	G63B_100_087$_{de}$	0.125	0.75	1.0	1.0	0.875	0.562	226	0.125	1.0	0.925	61.1	−25.5	−32.2	41.1	231.5	0.891	0.0	0.073	0.0	205	0.0	1.0	0.915	56.1	−29.2	−36.8	47.0	231.5
144	Y86G_087_087$_{de}$	0.125	0.875	0.0	0.875	0.875	0.437	142	0.025	0.875	0.0	47.8	−54.7	27.9	61.4	152.9	0.964	0.158	1.0	0.0	148	0.029	1.0	0.0	51.1	−62.5	31.9	70.2	152.9
145	G00B_087_075$_{de}$	0.125	0.875	0.125	0.875	0.75	0.5	150	0.125	0.875	0.238	53.0	−46.5	14.9	48.9	162.2	0.909	0.095	0.725	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
146	G07B_087_075$_{de}$	0.125	0.875	0.25	0.875	0.75	0.5	159	0.125	0.875	0.34	53.5	−43.3	7.3	43.9	170.4	0.907	0.1	0.624	0.0	166	0.0	1.0	0.287	51.4	−57.8	9.7	58.6	170.4
147	G15B_087_075$_{de}$	0.125	0.875	0.375	0.875	0.75	0.5	169	0.125	0.875	0.427	54.1	−40.1	0.3	40.1	179.5	0.904	0.103	0.543	0.0	173	0.0	1.0	0.403	52.2	−53.4	0.4	53.4	179.5
148	G25B_087_075$_{de}$	0.125	0.875	0.5	0.875	0.75	0.5	180	0.125	0.875	0.501	54.7	−36.4	−6.1	36.9	189.6	0.899	0.112	0.469	0.0	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
149	G34B_087_075$_{de}$	0.125	0.875	0.625	0.875	0.75	0.5	191	0.125	0.875	0.569	55.3	−33.1	−11.8	35.2	199.6	0.897	0.116	0.403	0.0	186	0.0	1.0	0.592	53.7	−44.2	−15.7	46.9	199.6
150	G42B_087_075$_{de}$	0.125	0.875	0.75	0.875	0.75	0.5	201	0.125	0.875	0.63	55.8	−30.1	−16.5	34.3	208.7	0.894	0.122	0.34	0.0	191	0.0	1.0	0.674	54.4	−40.1	−22.0	45.8	208.7
151	G50B_087_075$_{de}$	0.125	0.875	0.875	0.875	0.75	0.5	210	0.125	0.875	0.685	56.2	−27.1	−20.4	33.9	216.9	0.889	0.13	0.28	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
152	G56B_100_087$_{de}$	0.125	0.875	1.0	1.0	0.875	0.562	218	0.125	1.0	0.85	60.5	−28.7	−28.0	40.1	224.2	0.894	0.0	0.149	0.0	200	0.0	1.0	0.829	55.5	−32.8	−32.0	45.8	224.2
153	Y88G_100_100$_{de}$	0.125	1.0	0.0	1.0	1.0	0.5	143	0.016	1.0	0.0	50.6	−63.6	30.9	70.7	154.0	0.983	0.0	1.0	0.0	149	0.016	1.0	0.0	50.6	−63.6	30.9	70.7	154.0
154	G00B_100_087$_{de}$	0.125	1.0	0.125	1.0	0.875	0.562	150	0.125	1.0	0.257	56.3	−54.3	17.4	57.0	162.2	0.917	0.0	0.749	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
155	G06B_100_087$_{de}$	0.125	1.0	0.25	1.0	0.875	0.562	158	0.125	1.0	0.364	56.9	−50.9	9.4	51.8	169.5	0.913	0.0	0.623	0.0	165	0.0	1.0	0.274	51.3	−58.2	10.7	59.2	169.5
156	G13B_100_087$_{de}$	0.125	1.0	0.375	1.0	0.875	0.562	166	0.125	1.0	0.454	57.4	−47.7	2.6	47.8	176.8	0.905	0.0	0.531	0.0	171	0.0	1.0	0.376	52.0	−54.5	3.0	54.6	176.8
157	G20B_100_087$_{de}$	0.125	1.0	0.5	1.0	0.875	0.562	175	0.125	1.0	0.525	58.0	−44.6	−3.9	44.7	185.0	0.905	0.0	0.462	0.0	177	0.0	1.0	0.457	52.6	−50.9	−4.4	51.1	185.0
158	G29B_100_087$_{de}$	0.125	1.0	0.625	1.0	0.875	0.562	185	0.125	1.0	0.6	58.6	−40.9	−10.3	42.2	194.1	0.907	0.0	0.398	0.0	182	0.0	1.0	0.543	53.3	−46.7	−11.8	48.2	194.1
159	G36B_100_087$_{de}$	0.125	1.0	0.75	1.0	0.875	0.562	194	0.125	1.0	0.665	59.1	−37.4	−15.4	40.5	202.3	0.903	0.0	0.338	0.0	187	0.0	1.0	0.617	53.9	−42.8	−17.6	46.3	202.3
160	G43B_100_087$_{de}$	0.125	1.0	0.875	1.0	0.875	0.562	202	0.125	1.0	0.722	59.6	−34.7	−19.8	40.0	209.6	0.9	0.0	0.283	0.0	191	0.0	1.0	0.682	54.5	−39.7	−22.6	45.7	209.6
161	G50B_100_087$_{de}$	0.125	1.0	1.0	1.0	0.875	0.562	210	0.125	1.0	0.778	60.0	−31.6	−23.8	39.6	216.9	0.895	0.0	0.222	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9

Mean color difference of this page: **delta**

TUB-test chart QE48; hue code: H*$_e$=Y25G$_e$
colors and differences, $\Delta E'^*$

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

see similar files: http://130.149.60.45/~farbmetrik/QE48/QE48.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

QE4811L

http://130.149.60.45/~farbmetrik/QE48/QE48L0FA.TXT /.PS; 3D-linearization
F: 3D-linearization QE48/QE48LE30FA.DAT in file (F), page 22/33

n	HIC*$_{Fde}$	*rgb*$_{\_Fde}$			*ict*$_{\_Fde}$			$h_{si\_F,de}$	*rgb**$_{Fde}$			*LabCh**$_{Fde}$					*cmyn**$_{sep,Fde}$				$h_{siM,de}$	*rgb**$_{Mde}$			*LabCh**$_{Mde}$				
162	R00Y_025_025de	0.25	0.0	0.0	0.25	0.25	0.125	390	0.25	0.0	0.063	29.6	18.0	8.6	20.0	25.4	0.767	0.924	0.963	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
163	R00Y_025_025de	0.25	0.0	0.125	0.25	0.25	0.125	360	0.184	0.0	0.25	28.6	17.6	−2.4	17.7	352.0	0.833	0.949	0.735	0.0	315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
164	B50R_025_025de	0.25	0.0	0.25	0.25	0.25	0.125	330	0.08	0.0	0.25	26.0	11.9	−7.2	13.9	328.6	0.927	0.983	0.705	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
165	B34R_037_037de	0.25	0.0	0.375	0.375	0.375	0.187	311	0.024	0.0	0.375	25.1	12.3	−14.4	19.0	310.5	0.96	0.993	0.562	0.0	273	0.064	0.0	1.0	26.5	32.9	−38.4	50.6	310.5
166	B25R_050_050de	0.25	0.0	0.5	0.5	0.5	0.25	300	0.0	0.052	0.5	26.2	11.7	−20.1	23.3	300.1	0.979	0.945	0.451	0.0	264	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
167	B19R_062_062de	0.25	0.0	0.625	0.625	0.625	0.312	293	0.0	0.123	0.625	28.5	11.0	−25.2	27.5	293.5	0.981	0.868	0.34	0.0	259	0.0	0.198	1.0	31.1	17.6	−40.4	44.1	293.5
168	B15R_075_075de	0.25	0.0	0.75	0.75	0.75	0.375	289	0.0	0.186	0.75	30.6	10.8	−30.1	32.0	289.7	0.984	0.81	0.228	0.0	256	0.0	0.248	1.0	32.8	14.4	−40.2	42.7	289.7
169	B13R_087_087de	0.25	0.0	0.875	0.875	0.875	0.437	286	0.0	0.245	0.875	32.7	10.7	−35.3	36.9	286.9	0.992	0.746	0.11	0.0	254	0.0	0.281	1.0	33.9	12.2	−40.3	42.2	286.9
170	B11R_100_100de	0.25	0.0	1.0	1.0	1.0	0.5	284	0.0	0.302	1.0	34.7	10.8	−40.4	41.8	285.0	1.0	0.695	0.0	0.0	252	0.0	0.302	1.0	34.7	10.8	−40.4	41.8	285.0
171	R50Y_025_025de	0.25	0.125	0.0	0.25	0.25	0.125	60	0.25	0.099	0.0	33.3	9.5	15.8	18.5	58.8	0.749	0.802	1.0	0.0	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
172	R00Y_025_012de	0.25	0.125	0.125	0.25	0.125	0.187	390	0.25	0.124	0.156	35.9	9.0	4.3	10.0	25.4	0.746	0.753	0.692	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
173	B50R_025_012de	0.25	0.125	0.25	0.25	0.125	0.187	330	0.165	0.124	0.25	34.1	5.9	−3.6	6.9	328.6	0.84	0.778	0.626	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
174	B25R_037_025de	0.25	0.125	0.375	0.375	0.25	0.25	300	0.124	0.151	0.375	34.2	5.8	−10.0	11.6	300.1	0.868	0.771	0.532	0.0	264	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
175	B15R_050_037de	0.25	0.125	0.5	0.5	0.375	0.312	289	0.124	0.218	0.5	36.4	5.4	−15.0	16.0	289.7	0.864	0.718	0.419	0.0	256	0.0	0.248	1.0	32.8	14.4	−40.2	42.7	289.7
176	B11R_062_050de	0.25	0.125	0.625	0.625	0.5	0.375	284	0.125	0.276	0.625	38.4	5.4	−20.2	20.9	285.0	0.861	0.667	0.314	0.0	252	0.0	0.302	1.0	34.7	10.8	−40.4	41.8	285.0
177	B09R_075_062de	0.25	0.125	0.75	0.75	0.625	0.437	281	0.125	0.334	0.75	40.4	5.4	−25.2	25.8	282.1	0.86	0.616	0.215	0.0	250	0.0	0.335	1.0	35.9	8.7	−40.4	41.3	282.1
178	B07R_087_075de	0.25	0.125	0.875	0.875	0.75	0.5	279	0.125	0.392	0.875	42.5	5.4	−30.2	30.7	280.2	0.864	0.57	0.113	0.0	249	0.0	0.356	1.0	36.6	7.3	−40.3	40.9	280.2
179	B06R_100_087de	0.25	0.125	1.0	1.0	0.875	0.562	278	0.125	0.446	1.0	44.3	5.7	−35.2	35.7	279.3	0.869	0.525	0.009	0.0	248	0.0	0.367	1.0	37.0	6.6	−40.2	40.8	279.3
180	Y00G_025_025de	0.25	0.25	0.0	0.25	0.25	0.125	90	0.25	0.219	0.0	39.1	−0.9	22.6	22.6	92.3	0.732	0.649	0.98	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
181	Y00G_025_012de	0.25	0.25	0.125	0.25	0.125	0.187	90	0.25	0.234	0.124	40.6	−0.4	11.3	11.3	92.3	0.734	0.621	0.738	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
182	NW_025de	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	42.1	0.0	0.0	0.0	0.0	0.743	0.587	0.55	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
183	B00R_037_012de	0.25	0.25	0.375	0.375	0.125	0.312	270	0.249	0.307	0.375	44.1	0.1	−5.0	5.0	271.7	0.736	0.55	0.46	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
184	B00R_050_025de	0.25	0.25	0.5	0.5	0.25	0.375	270	0.249	0.364	0.5	46.1	0.3	−10.1	10.1	271.7	0.731	0.519	0.371	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
185	B00R_062_037de	0.25	0.25	0.625	0.625	0.375	0.437	270	0.25	0.421	0.625	48.1	0.4	−15.2	15.2	271.7	0.727	0.485	0.285	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
186	B00R_075_050de	0.25	0.25	0.75	0.75	0.5	0.5	270	0.25	0.479	0.75	50.1	0.6	−20.3	20.3	271.7	0.727	0.448	0.191	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
187	B00R_087_062de	0.25	0.25	0.875	0.875	0.625	0.562	270	0.25	0.536	0.875	52.1	0.7	−25.4	25.4	271.7	0.729	0.413	0.097	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
188	B00R_100_075de	0.25	0.25	1.0	1.0	0.75	0.625	270	0.25	0.593	1.0	54.1	0.9	−30.5	30.5	271.7	0.73	0.377	0.004	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
189	Y31G_037_037de	0.25	0.375	0.0	0.375	0.375	0.187	109	0.185	0.375	0.0	41.6	−11.2	24.7	27.2	114.4	0.76	0.544	0.977	0.0	120	0.493	1.0	0.0	70.3	−30.0	66.1	72.6	114.4
190	Y50G_037_025de	0.25	0.375	0.125	0.375	0.25	0.25	120	0.205	0.375	0.124	42.8	−10.2	13.4	16.9	127.2	0.767	0.527	0.76	0.0	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
191	G00B_037_012de	0.25	0.375	0.25	0.375	0.125	0.312	150	0.249	0.375	0.268	45.4	−7.7	2.4	8.1	162.2	0.748	0.488	0.562	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
192	G50B_037_012de	0.25	0.375	0.375	0.375	0.125	0.312	210	0.249	0.375	0.343	46.0	−4.5	−3.4	5.6	216.9	0.738	0.494	0.476	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
193	G75B_050_025de	0.25	0.375	0.5	0.5	0.25	0.375	240	0.249	0.461	0.5	49.4	−4.9	−10.3	11.4	244.3	0.731	0.442	0.353	0.0	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
194	G84B_062_037de	0.25	0.375	0.625	0.625	0.375	0.437	251	0.25	0.5	0.625	50.9	−4.3	−15.4	15.9	254.3	0.729	0.423	0.272	0.0	229	0.0	0.666	1.0	47.8	−11.4	−41.0	42.6	254.3
195	G88B_075_050de	0.25	0.375	0.75	0.75	0.5	0.5	256	0.25	0.551	0.75	52.8	−3.9	−20.4	20.8	258.9	0.731	0.392	0.183	0.0	233	0.0	0.602	1.0	45.6	−7.9	−40.9	41.7	258.9
196	G90B_087_062de	0.25	0.375	0.875	0.875	0.625	0.562	259	0.25	0.607	0.875	54.7	−3.7	−25.6	25.8	261.6	0.732	0.351	0.092	0.0	235	0.0	0.572	1.0	44.5	−5.9	−40.9	41.4	261.6
197	G92B_100_075de	0.25	0.375	1.0	1.0	0.75	0.625	261	0.25	0.664	1.0	56.7	−3.4	−30.7	30.9	263.5	0.736	0.305	0.003	0.0	236	0.0	0.552	1.0	43.7	−4.6	−40.9	41.2	263.5
198	Y50G_050_050de	0.25	0.5	0.0	0.5	0.5	0.25	120	0.161	0.5	0.0	43.5	−20.4	26.9	33.8	127.2	0.796	0.465	0.995	0.0	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
199	Y68G_050_037de	0.25	0.5	0.125	0.5	0.375	0.312	131	0.194	0.5	0.124	45.3	−19.1	15.9	24.9	140.0	0.794	0.442	0.781	0.0	139	0.184	1.0	0.0	56.4	−50.9	42.6	66.4	140.0
200	G00B_050_025de	0.25	0.5	0.25	0.5	0.25	0.375	150	0.249	0.5	0.287	48.7	−15.5	4.9	16.3	162.2	0.754	0.401	0.574	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
201	G25B_050_025de	0.25	0.5	0.375	0.5	0.25	0.375	180	0.249	0.5	0.375	49.3	−12.1	−2.0	12.3	189.6	0.745	0.406	0.48	0.0	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
202	G50B_050_025de	0.25	0.5	0.5	0.5	0.25	0.375	210	0.249	0.5	0.436	49.8	−9.0	−6.8	11.3	216.9	0.739	0.413	0.406	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
203	G65B_062_037de	0.25	0.5	0.625	0.625	0.375	0.437	229	0.25	0.625	0.605	54.2	−10.4	−14.5	17.8	234.3	0.734	0.331	0.275	0.0	207	0.0	1.0	0.948	56.4	−27.8	−38.7	47.7	234.3
204	G75B_075_050de	0.25	0.5	0.75	0.75	0.5	0.5	240	0.25	0.673	0.75	56.6	−9.9	−20.6	22.9	244.3	0.733	0.281	0.171	0.0	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
205	G80B_087_062de	0.25	0.5	0.875	0.875	0.625	0.562	247	0.25	0.703	0.875	58.0	−8.9	−25.7	27.2	250.7	0.736	0.256	0.089	0.0	225	0.0	0.726	1.0	49.7	−14.3	−41.1	43.5	250.7
206	G84B_100_075de	0.25	0.5	1.0	1.0	0.75	0.625	251	0.25	0.75	1.0	59.7	−8.6	−30.8	31.9	254.3	0.741	0.22	0.005	0.0	229	0.0	0.666	1.0	47.8	−11.4	−41.0	42.6	254.3
207	Y61G_062_062de	0.25	0.625	0.0	0.625	0.625	0.312	127	0.155	0.625	0.0	45.6	−29.6	29.2	41.6	135.4	0.828	0.385	1.0	0.0	136	0.248	1.0	0.0	58.3	−47.4	46.7	66.6	135.4
208	Y76G_062_050de	0.25	0.625	0.125	0.625	0.5	0.375	136	0.179	0.625	0.125	48.1	−27.7	18.7	33.5	145.9	0.818	0.347	0.796	0.0	144	0.108	1.0	0.0	54.1	−55.5	37.5	67.0	145.9
209	G00B_062_037de	0.25	0.625	0.25	0.625	0.375	0.437	150	0.25	0.625	0.306	52.0	−23.2	7.4	24.4	162.2	0.769	0.292	0.584	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
210	G15B_062_037de	0.25	0.625	0.375	0.625	0.375	0.437	169	0.25	0.625	0.401	52.6	−20.0	0.1	20.0	179.5	0.757	0.298	0.494	0.0	173	0.0	1.0	0.403	52.2	−53.4	0.4	53.4	179.5
211	G34B_062_037de	0.25	0.625	0.5	0.625	0.375	0.437	191	0.25	0.625	0.472	53.2	−16.5	−5.9	17.6	199.6	0.751	0.304	0.41	0.0	186	0.0	1.0	0.592	53.7	−44.2	−15.7	46.9	199.6
212	G50B_062_037de	0.25	0.625	0.625	0.625	0.375	0.437	210	0.25	0.625	0.53	53.6	−13.5	−10.2	16.9	216.9	0.743	0.314	0.346	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
213	G61B_075_050de	0.25	0.625	0.75	0.75	0.5	0.5	224	0.25	0.75	0.696	58.0	−15.0	−17.7	23.2	229.7	0.741	0.218	0.22	0.0	204	0.0	1.0	0.892	56.0	−30.0	−35.5	46.5	229.7
214	G69B_087_062de	0.25	0.625	0.875	0.875	0.625	0.562	233	0.25	0.875	0.871	62.4	−16.1	−25.7	30.3	237.9	0.742	0.13	0.087	0.0	209	0.0	1.0	0.994	56.7	−25.7	−41.2	48.6	237.9
215	G75B_100_075de	0.25	0.625	1.0	1.0	0.75	0.625	240	0.25	0.884	1.0	63.9	−14.8	−31.0	34.4	244.3	0.743	0.105	0.002	0.0	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
216	Y68G_075_075de	0.25	0.75	0.0	0.75	0.75	0.375	131	0.138	0.75	0.0	48.4	−38.2	31.9	49.8	140.0	0.85	0.268	1.0	0.0	139	0.184	1.0	0.0	56.4	−50.9	42.6	66.4	140.0
217	Y81G_075_062de	0.25	0.75	0.125	0.75	0.625	0.437	139	0.168	0.75	0.125	50.9	−36.9	21.8	42.8	149.4	0.848	0.222	0.815	0.0	146	0.069	1.0	0.0	52.6	−59.0	34.9	68.6	149.4
218	G00B_075_050de	0.25	0.75	0.25	0.75	0.5	0.5	150	0.25	0.75	0.325	55.3	−31.0	9.9	32.6	162.2	0.782	0.181	0.592	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
219	G11B_075_050de	0.25	0.75	0.375	0.75	0.5	0.5	164	0.25	0.75	0.425	55.9	−27.7	2.4	27.8	175.0	0.773	0.187	0.502	0.0	170	0.0	1.0	0.35	51.8	−55.5	4.8	55.7	175.0
220	G25B_075_050de	0.25	0.75	0.5	0.75	0.5	0.5	180	0.25	0.75	0.501	56.5	−24.3	−4.1	24.6	189.6	0.767	0.194	0.424	0.0	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
221	G38B_075_050de	0.25	0.75	0.625	0.75	0.5	0.5	196	0.25	0.75	0.566	57.0	−21.0	−9.4	23.0	204.2	0.757	0.201	0.355	0.0	188	0.0	1.0	0.633	54.1	−42.0	−18.8	46.0	204.2
222	G50B_075_050de	0.25	0.75	0.75	0.75	0.5	0.5	210	0.25	0.75	0.623	57.5	−18.1	−13.6	22.6	216.9	0.748	0.207	0.288	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
223	G59B_087_062de	0.25	0.75	0.875	0.875	0.625	0.562	221	0.25	0.875	0.787	61.8	−19.6	−21.0	28.8	227.0	0.749	0.116	0.17	0.0	202	0.0	1.0	0.86	55.7	−31.4	−33.7	46.0	227.0
224	G65B_100_075de	0.25	0.75	1.0	1.0	0.75	0.625	229	0.25	1.0	0.961	66.2	−20.8	−29.0	35.7	234.3	0.754	0.0	0.038	0.0	207	0.0	1.0	0.948	56.4	−27.8	−38.7	47.7	234.3
225	Y73G_087_087de	0.25	0.875	0.0	0.875	0.875	0.437	134	0.119	0.875	0.0	51.2	−46.7	34.4	58.0	143.5	0.872	0.151	1.0	0.0	142	0.136	1.0	0.0	55.0	−53.4	39.4	66.3	143.5
226	Y85G_087_075de	0.25	0.875	0.125	0.875	0.75	0.5	141	0.157	0.875	0.125	53.7	−46.0	24.7	52.2	151.7	0.874	0.095	0.83	0.0	147	0.042	1.0	0.0	51.6	−61.3	33.0	69.7	151.7
227	G00B_087_062de	0.25	0.875	0.25	0.875	0.625	0.562	150	0.25	0.875	0.344	58.6	−38.8	12.4	40.7	162.2	0.795	0.053	0.596	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
228	G09B_087_062de	0.25	0.875	0.375	0.875	0.625	0.562	161	0.25	0.875	0.445	59.2	−35.6	4.8	35.9	172.2	0.787	0.061	0.507	0.0	167	0.0	1.0	0.312	51.6	−56.9	7.7	57.4	172.2
229	G19B_087_062de	0.25	0.875	0.5	0.875	0.625	0.562	173	0.25	0.875	0.524	59.7	−32.4	−1.8	32.4	183.2	0.783	0.07	0.436	0.0	175	0.0	1.0	0.439	52.5	−51.8	−2.9	51.9	183.2
230	G30B_087_062de	0.25	0.875	0.625	0.875	0.625	0.562	187	0.25	0.875	0.599	60.3	−28.7	−8.2	29.8	195.9	0.774	0.084	0.364	0.0	183	0.0	1.0	0.559	53.4	−45.9	−13.1	47.8	195.9
231	G40B_087_062de	0.25	0.875	0.75	0.875	0.625	0.562	199	0.25	0.875	0.661	60.8	−25.5	−12.9	28.6	206.9	0.767	0.094	0.3	0.0	190	0.0	1.0	0.658	54.3	−40.9	−20.7	45.9	206.9
232	G50B_087_062de	0.25	0.875	0.875	0.875	0.625	0.562	210	0.25	0.875	0.717	61.3	−22.6	−17.0	28.3	216.9	0.757	0.105	0.242	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
233	G57B_100_075de	0.25	0.875	1.0	1.0	0.75	0.625	219	0.25	1.0	0.879	65.6	−24.2	−24.4	34.4	225.1	0.756	0.0	0.125	0.0	201	0.0	1.0	0.839	55.6	−32.3	−32.5	45.9	225.1
234	Y76G_100_100de	0.25	1.0	0.0	1.0	1.0	0.5	136	0.108	1.0	0.0	54.1	−55.5	37.5	67.0	145.9	0.891	0.0	1.0	0.0	144	0.108	1.0	0.0	54.1	−55.5	37.5	67.0	145.9
235	Y86G_100_087de	0.25	1.0	0.125	1.0	0.875	0.562	142	0.15	1.0	0.125	56.7	−54.7	27.9	61.4	152.9	0.889	0.0	0.874	0.0	148	0.029	1.0	0.0	51.1	−62.5	31.9	70.2	152.9
236	G00B_100_075de	0.25	1.0	0.25	1.0	0.75	0.625	150	0.25	1.0	0.363	61.9	−46.5	14.9	48.9	162.2	0.809	0.0	0.623	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
237	G07B_100_075de	0.25	1.0	0.375	1.0	0.75	0.625	159	0.25	1.0	0.465	62.5	−43.3	7.3	43.9	170.4	0.796	0.0	0.508	0.0	166	0.0	1.0	0.287	51.4	−57.8	9.7	58.6	170.4
238	G15B_100_075de	0.25	1.0	0.5	1.0	0.75	0.625	169	0.25	1.0	0.552	63.0	−40.1	0.3	40.1	179.5	0.795	0.0	0.438	0.0	173	0.0	1.0	0.403	52.2	−53.4	0.4	53.4	179.5
239	G25B_100_075de	0.25	1.0	0.625	1.0	0.75	0.625	180	0.25	1.0	0.626	63.6	−36.4	−6.1	36.9	189.6	0.79	0.0	0.376	0.0	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
240	G34B_100_075de	0.25	1.0	0.75	1.0	0.75	0.625	191	0.25	1.0	0.694	64.2	−33.1	−11.8	35.2	199.6	0.784	0.0	0.306	0.0	186	0.0	1.0	0.592	53.7	−44.2	−15.7	46.9	199.6
241	G42B_100_075de	0.25	1.0	0.875	1.0	0.75	0.625	201	0.25	1.0	0.755	64.7	−30.1	−16.5	34.3	208.7	0.776	0.0	0.251	0.0	191	0.0	1.0	0.674	54.4	−40.1	−22.0	45.8	208.7
242	G50B_100_075de	0.25	1.0	1.0	1.0	0.75	0.625	210	0.25	1.0	0.81	65.1	−27.1	−20.4	33.9	216.9	0.766	0.0	0.187	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9

Mean color difference of this page: **delta**

1−1132131−F0

QE480−7N, Page 22/33−F

TUB-test chart QE48; hue code: H^*_e=Y25G$_e$
colors and differences, $\Delta E'^*$

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

TUB registration: 20130201-QE48/QE48L0FA.TXT /.PS
application for measurement of offset print output, separation cmy0* (CMY0)

TUB material: code=rha4ta

see similar files: http://130.149.60.45/~farbmetrik/QE48/QE48.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

1−1132131−F0

TUB registration: 20130201-QE48/QE48L0FA.TXT /.PS
application for measurement of offset print output, separation cmy0* (CMY0)

TUB material: code=rha4ta

n	HIC*$_{Fde}$	*rgb*$_{Fde}$			*ict*$_{Fde}$			h_{si_Fde}	*rgb**$_{Fde}$			*LabCh**$_{Fde}$				*cmyn**$_{sep,Fde}$				$h_{siM,de}$	*rgb**$_{Mde}$			*LabCh**$_{Mde}$			
243	R00Y_037_037$_{de}$	0.375	0.0	0.0	0.375	0.375	0.187	390	0.375	0.0	0.095	32.3	27.0	12.9	30.0	25.4	0.671	0.921	0.895	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
244	R18Y_037_037$_{de}$	0.375	0.0	0.125	0.375	0.375	0.187	371	0.375	0.0	0.31	32.4	29.2	2.2	29.2	4.3	0.68	0.92	0.651	0.0	339	1.0	0.0	0.827	45.9	77.8	5.8	78.1	4.3
245	B65R_037_037$_{de}$	0.375	0.0	0.25	0.375	0.375	0.187	349	0.226	0.0	0.375	29.3	24.1	−5.7	24.7	346.6	0.778	0.953	0.604	0.0	306	0.603	0.0	1.0	37.6	64.3	−15.3	66.1	346.6
246	B50R_037_037$_{de}$	0.375	0.0	0.375	0.375	0.375	0.187	330	0.12	0.0	0.375	26.9	17.9	−10.9	20.9	328.6	0.887	0.986	0.593	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
247	B38R_050_050$_{de}$	0.375	0.0	0.5	0.5	0.5	0.25	316	0.067	0.0	0.5	26.1	18.2	−18.0	25.7	315.3	0.924	0.993	0.469	0.0	277	0.135	0.0	1.0	27.9	36.5	−36.1	51.4	315.3
248	B30R_062_062$_{de}$	0.375	0.0	0.625	0.625	0.625	0.312	307	0.005	0.0	0.625	24.9	18.7	−25.1	31.3	306.8	0.977	1.0	0.354	0.0	270	0.008	0.0	1.0	25.2	30.0	−40.1	50.1	306.8
249	B25R_075_075$_{de}$	0.375	0.0	0.75	0.75	0.75	0.375	300	0.0	0.079	0.75	27.1	17.6	−30.2	35.0	300.1	0.984	0.924	0.243	0.0	264	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
250	B20R_087_087$_{de}$	0.375	0.0	0.875	0.875	0.875	0.437	295	0.0	0.151	0.875	29.5	16.8	−35.3	39.1	295.4	0.991	0.845	0.12	0.0	260	0.0	0.173	1.0	30.2	19.2	−40.4	44.7	295.4
251	B18R_100_100$_{de}$	0.375	0.0	1.0	1.0	1.0	0.5	292	0.0	0.21	1.0	31.5	16.8	−40.4	43.7	292.5	1.0	0.787	0.0	0.0	258	0.0	0.21	1.0	31.5	16.8	−40.4	43.7	292.5
252	R31Y_037_037$_{de}$	0.375	0.125	0.0	0.375	0.375	0.187	49	0.375	0.092	0.0	35.3	19.6	20.7	28.5	46.6	0.666	0.828	1.0	0.0	43	1.0	0.246	0.0	53.5	52.2	55.3	76.1	46.6
253	R00Y_037_025$_{de}$	0.375	0.125	0.125	0.375	0.25	0.25	390	0.375	0.124	0.188	38.6	18.0	8.6	20.0	25.4	0.655	0.765	0.675	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
254	R00Y_037_025$_{de}$	0.375	0.125	0.25	0.375	0.25	0.25	360	0.309	0.124	0.375	37.5	17.6	−2.4	17.7	352.0	0.696	0.771	0.531	0.0	315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
255	B50R_037_025$_{de}$	0.375	0.125	0.375	0.375	0.25	0.25	330	0.205	0.124	0.375	34.9	11.9	−7.2	13.9	328.6	0.783	0.778	0.524	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
256	B34R_050_037$_{de}$	0.375	0.125	0.5	0.5	0.375	0.312	311	0.149	0.124	0.5	34.0	12.3	−14.4	19.0	310.5	0.834	0.793	0.435	0.0	273	0.064	0.0	1.0	26.5	32.9	−38.4	50.6	310.5
257	B25R_062_050$_{de}$	0.375	0.125	0.625	0.625	0.5	0.375	300	0.125	0.177	0.625	35.1	11.7	−20.1	23.3	300.1	0.86	0.763	0.332	0.0	264	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
258	B19R_075_062$_{de}$	0.375	0.125	0.75	0.75	0.625	0.437	293	0.125	0.248	0.75	37.4	11.0	−25.2	27.5	293.5	0.862	0.705	0.225	0.0	259	0.0	0.198	1.0	31.1	17.6	−40.4	44.1	293.5
259	B15R_087_075$_{de}$	0.375	0.125	0.875	0.875	0.75	0.5	289	0.125	0.311	0.875	39.6	10.8	−30.1	32.0	289.7	0.861	0.65	0.119	0.0	256	0.0	0.248	1.0	32.8	14.4	−40.2	42.7	289.7
260	B13R_100_087$_{de}$	0.375	0.125	1.0	1.0	0.875	0.562	286	0.125	0.37	1.0	41.6	10.7	−35.3	36.9	286.9	0.868	0.594	0.006	0.0	254	0.0	0.281	1.0	33.9	12.2	−40.3	42.2	286.9
261	R68Y_037_037$_{de}$	0.375	0.25	0.0	0.375	0.375	0.187	71	0.375	0.203	0.0	40.5	9.2	26.9	28.4	71.1	0.656	0.694	0.99	0.0	62	1.0	0.543	0.0	67.4	24.5	71.9	75.9	71.1
262	R50Y_037_025$_{de}$	0.375	0.25	0.125	0.375	0.25	0.25	60	0.375	0.224	0.124	42.2	9.5	15.8	18.5	58.8	0.65	0.664	0.749	0.0	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
263	R00Y_037_012$_{de}$	0.375	0.25	0.25	0.375	0.125	0.312	390	0.375	0.249	0.281	44.8	9.0	4.3	10.0	25.4	0.651	0.62	0.55	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
264	B50R_037_012$_{de}$	0.375	0.25	0.375	0.375	0.125	0.312	330	0.29	0.249	0.375	43.0	5.9	−3.6	6.9	328.6	0.709	0.61	0.475	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
265	B25R_050_025$_{de}$	0.375	0.25	0.5	0.5	0.25	0.375	300	0.249	0.276	0.5	43.1	5.8	−10.0	11.6	300.1	0.727	0.592	0.383	0.0	264	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
266	B15R_062_037$_{de}$	0.375	0.25	0.625	0.625	0.375	0.437	289	0.25	0.343	0.625	45.3	5.4	−15.0	16.0	289.7	0.726	0.552	0.293	0.0	256	0.0	0.248	1.0	32.8	14.4	−40.2	42.7	289.7
267	B11R_075_050$_{de}$	0.375	0.25	0.75	0.75	0.5	0.5	284	0.25	0.401	0.75	47.3	5.4	−20.2	20.9	285.0	0.724	0.509	0.199	0.0	252	0.0	0.302	1.0	34.7	10.8	−40.4	41.8	285.0
268	B09R_087_062$_{de}$	0.375	0.25	0.875	0.875	0.625	0.562	281	0.25	0.459	0.875	49.4	5.4	−25.2	25.8	282.1	0.727	0.469	0.102	0.0	250	0.0	0.335	1.0	35.9	8.7	−40.4	41.3	282.1
269	B07R_100_075$_{de}$	0.375	0.25	1.0	1.0	0.75	0.625	279	0.25	0.517	1.0	51.4	5.4	−30.2	30.7	280.2	0.728	0.435	0.007	0.0	249	0.0	0.356	1.0	36.6	7.3	−40.3	40.9	280.2
270	Y00G_037_037$_{de}$	0.375	0.375	0.0	0.375	0.375	0.187	90	0.375	0.329	0.0	46.5	−1.3	33.9	33.9	92.3	0.646	0.537	0.977	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
271	Y00G_037_025$_{de}$	0.375	0.375	0.125	0.375	0.25	0.25	90	0.375	0.344	0.124	48.0	−0.9	22.6	22.6	92.3	0.64	0.52	0.778	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
272	Y00G_037_012$_{de}$	0.375	0.375	0.25	0.375	0.125	0.312	90	0.375	0.359	0.249	49.5	−0.4	11.3	11.3	92.3	0.644	0.497	0.607	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
273	NW_037$_{de}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	51.0	0.0	0.0	0.0	0.0	0.653	0.473	0.452	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
274	B00R_050_012$_{de}$	0.375	0.375	0.5	0.5	0.125	0.437	270	0.375	0.432	0.5	53.0	0.1	−5.0	5.0	271.7	0.648	0.445	0.366	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
275	B00R_062_025$_{de}$	0.375	0.375	0.625	0.625	0.25	0.5	270	0.375	0.489	0.625	55.0	0.3	−10.1	10.1	271.7	0.645	0.421	0.282	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
276	B00R_075_037$_{de}$	0.375	0.375	0.75	0.75	0.375	0.562	270	0.375	0.546	0.75	57.0	0.4	−15.2	15.2	271.7	0.645	0.394	0.192	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
277	B00R_087_050$_{de}$	0.375	0.375	0.875	0.875	0.5	0.625	270	0.375	0.604	0.875	59.0	0.6	−20.3	20.3	271.7	0.645	0.361	0.099	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
278	B00R_100_062$_{de}$	0.375	0.375	1.0	1.0	0.625	0.687	270	0.375	0.661	1.0	61.0	0.7	−25.4	25.4	271.7	0.646	0.317	0.008	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
279	Y23G_050_050$_{de}$	0.375	0.5	0.0	0.5	0.5	0.25	104	0.302	0.5	0.0	49.4	−12.5	37.1	39.2	108.6	0.671	0.432	0.989	0.0	113	0.605	1.0	0.0	74.5	−25.0	74.3	78.4	108.6
280	Y31G_050_037$_{de}$	0.375	0.5	0.125	0.5	0.375	0.312	109	0.31	0.5	0.124	50.5	−11.2	24.7	27.2	114.4	0.668	0.426	0.791	0.0	120	0.493	1.0	0.0	70.3	−30.0	66.1	72.6	114.4
281	Y50G_050_025$_{de}$	0.375	0.5	0.25	0.5	0.25	0.375	120	0.33	0.5	0.249	51.7	−10.2	13.4	16.9	127.2	0.675	0.412	0.625	0.0	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
282	G00B_050_012$_{de}$	0.375	0.5	0.375	0.5	0.125	0.437	150	0.375	0.5	0.393	54.3	−7.7	2.4	8.1	162.2	0.66	0.388	0.469	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
283	G50B_050_012$_{de}$	0.375	0.5	0.5	0.5	0.125	0.437	210	0.375	0.5	0.468	54.9	−4.5	−3.4	5.6	216.9	0.652	0.395	0.382	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
284	G75B_062_025$_{de}$	0.375	0.5	0.625	0.625	0.25	0.5	240	0.375	0.586	0.625	58.3	−4.9	−10.3	11.4	244.3	0.647	0.342	0.268	0.0	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
285	G84B_075_037$_{de}$	0.375	0.5	0.75	0.75	0.375	0.562	251	0.375	0.625	0.75	59.8	−4.3	−15.4	15.9	254.3	0.649	0.317	0.183	0.0	229	0.0	0.666	1.0	47.8	−11.4	−41.0	42.6	254.3
286	G88B_087_050$_{de}$	0.375	0.5	0.875	0.875	0.5	0.625	256	0.375	0.676	0.875	61.7	−3.9	−20.4	20.8	258.9	0.65	0.284	0.096	0.0	233	0.0	0.602	1.0	45.6	−7.9	−40.9	41.7	258.9
287	G90B_100_062$_{de}$	0.375	0.5	1.0	1.0	0.625	0.687	259	0.375	0.732	1.0	63.6	−3.7	−25.6	25.8	261.6	0.652	0.247	0.006	0.0	235	0.0	0.572	1.0	44.5	−5.9	−40.9	41.4	261.6
288	Y38G_062_062$_{de}$	0.375	0.625	0.0	0.625	0.625	0.312	113	0.258	0.625	0.0	51.1	−21.2	38.0	43.5	119.1	0.694	0.352	0.984	0.0	125	0.414	1.0	0.0	67.2	−33.9	60.9	69.7	119.1
289	Y50G_062_050$_{de}$	0.375	0.625	0.125	0.625	0.5	0.375	120	0.286	0.625	0.125	52.4	−20.4	26.9	33.8	127.2	0.695	0.334	0.807	0.0	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
290	Y68G_062_037$_{de}$	0.375	0.625	0.25	0.625	0.375	0.437	131	0.319	0.625	0.25	54.2	−19.1	15.9	24.9	140.0	0.697	0.308	0.646	0.0	139	0.184	1.0	0.0	56.4	−50.9	42.6	66.4	140.0
291	G00B_062_025$_{de}$	0.375	0.625	0.375	0.625	0.25	0.5	150	0.375	0.625	0.412	57.6	−15.5	4.9	16.3	162.2	0.67	0.275	0.482	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
292	G25B_062_025$_{de}$	0.375	0.625	0.5	0.625	0.25	0.5	180	0.375	0.625	0.5	58.2	−12.1	−2.0	12.3	189.6	0.665	0.286	0.396	0.0	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
293	G50B_062_025$_{de}$	0.375	0.625	0.625	0.625	0.25	0.5	210	0.375	0.625	0.561	58.7	−9.0	−6.8	11.3	216.9	0.656	0.3	0.324	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
294	G65B_075_037$_{de}$	0.375	0.625	0.75	0.75	0.375	0.562	229	0.375	0.75	0.73	63.1	−10.4	−14.5	17.8	234.3	0.654	0.215	0.192	0.0	207	0.0	1.0	0.948	56.4	−27.8	−38.7	47.7	234.3
295	G75B_087_050$_{de}$	0.375	0.625	0.875	0.875	0.5	0.625	240	0.375	0.798	0.875	65.5	−9.9	−20.6	22.9	244.3	0.654	0.178	0.088	0.0	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
296	G80B_100_062$_{de}$	0.375	0.625	1.0	1.0	0.625	0.687	247	0.375	0.828	1.0	66.9	−8.9	−25.7	27.2	250.7	0.656	0.155	0.006	0.0	225	0.0	0.726	1.0	49.7	−14.3	−41.1	43.5	250.7
297	Y50G_075_075$_{de}$	0.375	0.75	0.0	0.75	0.75	0.375	120	0.241	0.75	0.0	53.0	−30.7	40.3	50.7	127.2	0.719	0.241	0.996	0.0	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
298	Y61G_075_062$_{de}$	0.375	0.75	0.125	0.75	0.625	0.437	127	0.28	0.75	0.125	54.5	−29.6	29.2	41.6	135.4	0.724	0.223	0.82	0.0	136	0.248	1.0	0.0	58.3	−47.4	46.7	66.6	135.4
299	Y76G_075_050$_{de}$	0.375	0.75	0.25	0.75	0.5	0.5	136	0.304	0.75	0.25	57.0	−27.7	18.7	33.5	145.9	0.717	0.194	0.662	0.0	144	0.108	1.0	0.0	54.1	−55.5	37.5	67.0	145.9
300	G00B_075_037$_{de}$	0.375	0.75	0.375	0.75	0.375	0.562	150	0.375	0.75	0.431	60.9	−23.2	7.4	24.4	162.2	0.68	0.167	0.494	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
301	G15B_075_037$_{de}$	0.375	0.75	0.5	0.75	0.375	0.562	169	0.375	0.75	0.526	61.5	−20.0	0.1	20.0	179.5	0.677	0.175	0.412	0.0	173	0.0	1.0	0.403	52.2	−53.4	0.4	53.4	179.5
302	G34B_075_037$_{de}$	0.375	0.75	0.625	0.75	0.375	0.562	191	0.375	0.75	0.597	62.1	−16.5	−5.9	17.6	199.6	0.67	0.187	0.333	0.0	186	0.0	1.0	0.592	53.7	−44.2	−15.7	46.9	199.6
303	G50B_075_037$_{de}$	0.375	0.75	0.75	0.75	0.375	0.562	210	0.375	0.75	0.655	62.5	−13.5	−10.2	16.9	216.9	0.662	0.198	0.267	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
304	G61B_087_050$_{de}$	0.375	0.75	0.875	0.875	0.5	0.625	224	0.375	0.875	0.821	66.9	−15.0	−17.7	23.2	229.7	0.662	0.114	0.139	0.0	204	0.0	1.0	0.892	56.0	−30.0	−35.5	46.5	229.7
305	G69B_100_062$_{de}$	0.375	0.75	1.0	1.0	0.625	0.687	233	0.375	1.0	0.996	71.3	−16.1	−25.7	30.3	237.9	0.664	0.001	0.004	0.0	209	0.0	1.0	0.994	56.7	−25.7	−41.2	48.6	237.9
306	Y58G_087_087$_{de}$	0.375	0.875	0.0	0.875	0.875	0.437	125	0.236	0.875	0.0	55.1	−39.9	42.7	58.5	133.0	0.743	0.138	0.996	0.0	134	0.269	1.0	0.0	59.5	−45.7	48.8	66.9	133.0
307	Y68G_087_075$_{de}$	0.375	0.875	0.125	0.875	0.75	0.5	131	0.263	0.875	0.125	57.3	−38.2	31.9	49.8	140.0	0.74	0.113	0.826	0.0	139	0.184	1.0	0.0	56.4	−50.9	42.6	66.4	140.0
308	Y81G_087_062$_{de}$	0.375	0.875	0.25	0.875	0.625	0.562	139	0.293	0.875	0.25	59.8	−36.9	21.8	42.8	149.4	0.739	0.069	0.678	0.0	146	0.069	1.0	0.0	52.6	−59.0	34.9	68.6	149.4
309	G00B_087_050$_{de}$	0.375	0.875	0.375	0.875	0.5	0.625	150	0.375	0.875	0.45	64.2	−31.0	9.9	32.6	162.2	0.691	0.041	0.5	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
310	G11B_087_050$_{de}$	0.375	0.875	0.5	0.875	0.5	0.625	164	0.375	0.875	0.55	64.8	−27.7	2.4	27.8	175.0	0.688	0.051	0.419	0.0	170	0.0	1.0	0.35	51.8	−55.5	4.8	55.7	175.0
311	G25B_087_050$_{de}$	0.375	0.875	0.625	0.875	0.5	0.625	180	0.375	0.875	0.626	65.4	−24.3	−4.1	24.6	189.6	0.683	0.067	0.344	0.0	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
312	G38B_087_050$_{de}$	0.375	0.875	0.75	0.875	0.5	0.625	196	0.375	0.875	0.691	65.9	−21.0	−9.4	23.0	204.2	0.676	0.082	0.277	0.0	188	0.0	1.0	0.633	54.1	−42.0	−18.8	46.0	204.2
313	G50B_087_050$_{de}$	0.375	0.875	0.875	0.875	0.5	0.625	210	0.375	0.875	0.748	66.4	−18.1	−13.6	22.6	216.9	0.67	0.098	0.212	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
314	G59B_100_062$_{de}$	0.375	0.875	1.0	1.0	0.625	0.687	221	0.375	1.0	0.912	70.7	−19.6	−21.0	28.8	227.0	0.671	0.0	0.092	0.0	202	0.0	1.0	0.86	55.7	−31.4	−33.7	46.0	227.0
315	Y63G_100_100$_{de}$	0.375	1.0	0.0	1.0	1.0	0.5	128	0.232	1.0	0.0	57.8	−48.3	45.7	66.5	136.5	0.766	0.0	1.0	0.0	137	0.232	1.0	0.0	57.8	−48.3	45.7	66.5	136.5
316	Y73G_100_087$_{de}$	0.375	1.0	0.125	1.0	0.875	0.562	134	0.244	1.0	0.125	60.1	−46.7	34.4	58.0	143.5	0.765	0.0	0.83	0.0	142	0.136	1.0	0.0	55.0	−53.4	39.4	66.3	143.5
317	Y85G_100_075$_{de}$	0.375	1.0	0.25	1.0	0.75	0.625	141	0.282	1.0	0.25	62.6	−46.0	24.7	52.2	151.7	0.769	0.0	0.749	0.0	147	0.042	1.0	0.0	51.6	−61.3	33.0	69.7	151.7
318	G00B_100_062$_{de}$	0.375	1.0	0.375	1.0	0.625	0.687	150	0.375	1.0	0.469	67.5	−38.8	12.4	40.7	162.2	0.701	0.0	0.507	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
319	G09B_100_062$_{de}$	0.375	1.0	0.5	1.0	0.625	0.687	161	0.375	1.0	0.57	68.1	−35.6	4.8	35.9	172.2	0.699	0.0	0.424	0.0	167	0.0	1.0	0.312	51.6	−56.9	7.7	57.4	172.2
320	G19B_100_062$_{de}$	0.375	1.0	0.625	1.0	0.625	0.687	173	0.375	1.0	0.649	68.6	−32.4	−1.8	32.4	183.2	0.695	0.0	0.376	0.0	175	0.0	1.0	0.439	52.5	−51.8	−2.9	51.9	183.2
321	G30B_100_062$_{de}$	0.375	1.0	0.75	1.0	0.625	0.687	187	0.375	1.0	0.724	69.2	−28.7	−8.2	29.8	195.9	0.691	0.0	0.283	0.0	183	0.0	1.0	0.559	53.4	−45.9	−13.1	47.8	195.9
322	G40B_100_062$_{de}$	0.375	1.0	0.875	1.0	0.625	0.687	199	0.375	1.0	0.786	69.8	−25.5	−12.9	28.6	206.9	0.684	0.0	0.222	0.0	190	0.0	1.0	0.658	54.3	−40.9	−20.7	45.9	206.9
323	G50B_100_062$_{de}$	0.375	1.0	1.0	1.0	0.625	0.687	210	0.375	1.0	0.842	70.2	−22.6	−17.0	28.3	216.9	0.677	0.0	0.16	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9

Mean color difference of this page: **delta**

QE4811L

see similar files: http://130.149.60.45/~farbmetrik/QE48/QE48.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE48/QE48L0FA.TXT /.PS
application for measurement of offset print output, separation cmy0* (CMY0)

TUB material: code=rha4ta

n	HIC*$_{Fde}$	*rgb*$_{Fde}$			*ict*$_{Fde}$			h_{si_Fde}
324	R00Y_050_050$_{de}$	0.5	0.0	0.0	0.5	0.5	0.25	390
325	R26Y_050_050$_{de}$	0.5	0.0	0.125	0.5	0.5	0.25	376
326	R00Y_050_050$_{de}$	0.5	0.0	0.25	0.5	0.5	0.25	360
327	B61R_050_050$_{de}$	0.5	0.0	0.375	0.5	0.5	0.25	344
328	B50R_050_050$_{de}$	0.5	0.0	0.5	0.5	0.5	0.25	330
329	B40R_062_062$_{de}$	0.5	0.0	0.625	0.625	0.625	0.312	319
330	B34R_075_075$_{de}$	0.5	0.0	0.75	0.75	0.75	0.375	311
331	B29R_087_087$_{de}$	0.5	0.0	0.875	0.875	0.875	0.437	305
332	B25R_100_100$_{de}$	0.5	0.0	1.0	1.0	1.0	0.5	300
333	R23Y_050_050$_{de}$	0.5	0.125	0.0	0.5	0.5	0.25	44
334	R00Y_050_037$_{de}$	0.5	0.125	0.125	0.5	0.375	0.312	390
335	R18Y_050_037$_{de}$	0.5	0.125	0.25	0.5	0.375	0.312	371
336	B65R_050_037$_{de}$	0.5	0.125	0.375	0.5	0.375	0.312	349
337	B50R_050_037$_{de}$	0.5	0.125	0.5	0.5	0.375	0.312	330
338	B38R_062_050$_{de}$	0.5	0.125	0.625	0.625	0.5	0.375	316
339	B30R_075_062$_{de}$	0.5	0.125	0.75	0.75	0.625	0.437	307
340	B25R_087_075$_{de}$	0.5	0.125	0.875	0.875	0.75	0.5	300
341	B20R_100_087$_{de}$	0.5	0.125	1.0	1.0	0.875	0.562	295
342	R50Y_050_050$_{de}$	0.5	0.25	0.0	0.5	0.5	0.25	60
343	R31Y_050_037$_{de}$	0.5	0.25	0.125	0.5	0.375	0.312	49
344	R00Y_050_025$_{de}$	0.5	0.25	0.25	0.5	0.25	0.375	390
345	R00Y_050_025$_{de}$	0.5	0.25	0.375	0.5	0.25	0.375	360
346	B50R_050_025$_{de}$	0.5	0.25	0.5	0.5	0.25	0.375	330
347	B34R_062_037$_{de}$	0.5	0.25	0.625	0.625	0.375	0.437	311
348	B25R_075_050$_{de}$	0.5	0.25	0.75	0.75	0.5	0.5	300
349	B19R_087_062$_{de}$	0.5	0.25	0.875	0.875	0.625	0.562	293
350	B15R_100_075$_{de}$	0.5	0.25	1.0	1.0	0.75	0.625	289
351	R76Y_050_050$_{de}$	0.5	0.375	0.0	0.5	0.5	0.25	76
352	R68Y_050_037$_{de}$	0.5	0.375	0.125	0.5	0.375	0.312	71
353	R50Y_050_025$_{de}$	0.5	0.375	0.25	0.5	0.25	0.375	60
354	R00Y_050_012$_{de}$	0.5	0.375	0.375	0.5	0.125	0.437	390
355	B50R_050_012$_{de}$	0.5	0.375	0.5	0.5	0.125	0.437	330
356	B25R_062_025$_{de}$	0.5	0.375	0.625	0.625	0.25	0.5	300
357	B15R_075_037$_{de}$	0.5	0.375	0.75	0.75	0.375	0.562	289
358	B11R_087_050$_{de}$	0.5	0.375	0.875	0.875	0.5	0.625	284
359	B09R_100_062$_{de}$	0.5	0.375	1.0	1.0	0.625	0.687	281
360	Y00G_050_050$_{de}$	0.5	0.5	0.0	0.5	0.5	0.25	90
361	Y00G_050_037$_{de}$	0.5	0.5	0.125	0.5	0.375	0.312	90
362	Y00G_050_025$_{de}$	0.5	0.5	0.25	0.5	0.25	0.375	90
363	Y00G_050_012$_{de}$	0.5	0.5	0.375	0.5	0.125	0.437	90
364	NW_050$_{de}$	0.5	0.5	0.5	0.5	0.0	0.5	360
365	B00R_062_012$_{de}$	0.5	0.5	0.625	0.625	0.125	0.562	270
366	B00R_075_025$_{de}$	0.5	0.5	0.75	0.75	0.25	0.625	270
367	B00R_087_037$_{de}$	0.5	0.5	0.875	0.875	0.375	0.687	270
368	B00R_100_050$_{de}$	0.5	0.5	1.0	1.0	0.5	0.75	270
369	Y18G_062_062$_{de}$	0.5	0.625	0.0	0.625	0.625	0.312	101
370	Y23G_062_050$_{de}$	0.5	0.625	0.125	0.625	0.5	0.375	104
371	Y31G_062_037$_{de}$	0.5	0.625	0.25	0.625	0.375	0.437	109
372	Y50G_062_025$_{de}$	0.5	0.625	0.375	0.625	0.25	0.5	120
373	G00B_062_012$_{de}$	0.5	0.625	0.5	0.625	0.125	0.562	150
374	G50B_062_012$_{de}$	0.5	0.625	0.625	0.625	0.125	0.562	210
375	G75B_075_025$_{de}$	0.5	0.625	0.75	0.75	0.25	0.625	240
376	G84B_087_037$_{de}$	0.5	0.625	0.875	0.875	0.375	0.687	251
377	G88B_100_050$_{de}$	0.5	0.625	1.0	1.0	0.5	0.75	256
378	Y31G_075_075$_{de}$	0.5	0.75	0.0	0.75	0.75	0.375	109
379	Y38G_075_062$_{de}$	0.5	0.75	0.125	0.75	0.625	0.437	113
380	Y50G_075_050$_{de}$	0.5	0.75	0.25	0.75	0.5	0.5	120
381	Y68G_075_037$_{de}$	0.5	0.75	0.375	0.75	0.375	0.562	131
382	G00B_075_025$_{de}$	0.5	0.75	0.5	0.75	0.25	0.625	150
383	G25B_075_025$_{de}$	0.5	0.75	0.625	0.75	0.25	0.625	180
384	G50B_075_025$_{de}$	0.5	0.75	0.75	0.75	0.25	0.625	210
385	G65B_087_037$_{de}$	0.5	0.75	0.875	0.875	0.375	0.687	229
386	G75B_100_050$_{de}$	0.5	0.75	1.0	1.0	0.5	0.75	240
387	Y41G_087_087$_{de}$	0.5	0.875	0.0	0.875	0.875	0.437	115
388	Y50G_087_075$_{de}$	0.5	0.875	0.125	0.875	0.75	0.5	120
389	Y61G_087_062$_{de}$	0.5	0.875	0.25	0.875	0.625	0.562	127
390	Y76G_087_050$_{de}$	0.5	0.875	0.375	0.875	0.5	0.625	136
391	G00B_087_037$_{de}$	0.5	0.875	0.5	0.875	0.375	0.687	150
392	G15B_087_037$_{de}$	0.5	0.875	0.625	0.875	0.375	0.687	169
393	G34B_087_037$_{de}$	0.5	0.875	0.75	0.875	0.375	0.687	191
394	G50B_087_037$_{de}$	0.5	0.875	0.875	0.875	0.375	0.687	210
395	G61B_100_050$_{de}$	0.5	0.875	1.0	1.0	0.5	0.75	224
396	Y50G_100_100$_{de}$	0.5	1.0	0.0	1.0	1.0	0.5	120
397	Y58G_100_087$_{de}$	0.5	1.0	0.125	1.0	0.875	0.562	125
398	Y68G_100_075$_{de}$	0.5	1.0	0.25	1.0	0.75	0.625	131
399	Y81G_100_062$_{de}$	0.5	1.0	0.375	1.0	0.625	0.687	139
400	G00B_100_050$_{de}$	0.5	1.0	0.5	1.0	0.5	0.75	150
401	G11B_100_050$_{de}$	0.5	1.0	0.625	1.0	0.5	0.75	164
402	G25B_100_050$_{de}$	0.5	1.0	0.75	1.0	0.5	0.75	180
403	G38B_100_050$_{de}$	0.5	1.0	0.875	1.0	0.5	0.75	196
404	G50B_100_050$_{de}$	0.5	1.0	1.0	1.0	0.5	0.75	210

rgb$_{Fde}$			*LabCh*$_{Fde}$				
0.5	0.0	0.127	35.0	36.1	17.2	40.0	25.4
0.5	0.0	0.328	35.1	38.0	6.6	38.6	9.8
0.368	0.0	0.5	32.8	35.2	−4.9	35.5	352.0
0.261	0.0	0.5	30.2	29.9	−9.8	31.5	341.8
0.16	0.0	0.5	27.7	23.8	−14.5	27.9	328.6
0.114	0.0	0.625	26.8	24.2	−21.7	32.5	318.1
0.048	0.0	0.75	25.9	24.7	−28.8	38.0	310.5
0.0	0.02	0.875	25.5	24.7	−35.4	43.1	304.9
0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
0.5	0.083	0.0	37.4	29.6	25.8	39.3	41.0
0.5	0.124	0.22	41.2	27.0	12.9	30.0	25.4
0.5	0.124	0.435	41.3	29.2	2.2	29.2	4.3
0.351	0.124	0.5	38.2	24.1	−5.7	24.7	346.6
0.245	0.124	0.5	35.8	17.9	−10.9	20.9	328.6
0.192	0.125	0.625	35.0	18.2	−18.0	25.7	315.3
0.13	0.125	0.75	33.8	18.7	−25.1	31.3	306.8
0.125	0.204	0.875	36.0	17.6	−30.2	35.0	300.1
0.125	0.276	1.0	38.4	16.8	−35.3	39.1	295.4
0.5	0.199	0.0	42.3	19.1	31.7	37.0	58.8
0.5	0.217	0.124	44.2	19.6	20.7	28.5	46.6
0.5	0.249	0.313	47.5	18.0	8.6	20.0	25.4
0.434	0.249	0.5	46.4	17.6	−2.4	17.7	352.0
0.33	0.249	0.5	43.8	11.9	−7.2	13.9	328.6
0.274	0.25	0.625	42.9	12.3	−14.4	19.0	310.5
0.25	0.302	0.75	44.0	11.7	−20.1	23.3	300.1
0.25	0.373	0.875	46.4	11.0	−25.2	27.5	293.5
0.25	0.436	1.0	48.5	10.8	−30.1	32.0	289.7
0.5	0.302	0.0	47.6	8.9	37.9	38.9	76.7
0.5	0.328	0.124	49.4	9.2	26.9	28.4	71.1
0.5	0.349	0.249	51.1	9.5	15.8	18.5	58.8
0.5	0.375	0.406	53.7	9.0	4.3	10.0	25.4
0.415	0.375	0.5	51.9	5.9	−3.6	6.9	328.6
0.375	0.401	0.625	52.0	5.8	−10.0	11.6	300.1
0.375	0.468	0.75	54.2	5.4	−15.0	16.0	289.7
0.375	0.526	0.875	56.2	5.4	−20.2	20.9	285.0
0.375	0.584	1.0	58.3	5.4	−25.2	25.8	282.1
0.5	0.439	0.0	54.0	−1.8	45.2	45.2	92.3
0.5	0.454	0.124	55.5	−1.3	33.9	33.9	92.3
0.5	0.469	0.249	57.0	−0.9	22.6	22.6	92.3
0.5	0.484	0.375	58.5	−0.4	11.3	11.3	92.3
0.5	0.5	0.5	60.0	0.0	0.0	0.0	0.0
0.5	0.557	0.625	61.9	0.1	−5.0	5.0	271.7
0.5	0.614	0.75	63.9	0.3	−10.1	10.1	271.7
0.5	0.671	0.875	65.9	0.4	−15.2	15.2	271.7
0.5	0.729	1.0	67.9	0.6	−20.3	20.3	271.7
0.424	0.625	0.0	57.6	−13.3	49.4	51.2	105.1
0.427	0.625	0.125	58.3	−12.5	37.1	39.2	108.6
0.435	0.625	0.25	59.4	−11.2	24.7	27.2	114.4
0.455	0.625	0.375	60.6	−10.2	13.4	16.9	127.2
0.5	0.625	0.518	63.2	−7.7	2.4	8.1	162.2
0.5	0.625	0.593	63.8	−4.5	−3.4	5.6	216.9
0.5	0.711	0.75	67.2	−4.9	−10.3	11.4	244.3
0.5	0.75	0.875	68.8	−4.3	−15.4	15.9	254.3
0.5	0.801	1.0	70.6	−3.9	−20.4	20.8	258.9
0.37	0.75	0.0	58.8	−22.5	49.5	54.4	114.4
0.383	0.75	0.125	60.0	−21.2	38.0	43.5	119.1
0.411	0.75	0.25	61.3	−20.4	26.9	33.8	127.2
0.444	0.75	0.375	63.1	−19.1	15.9	24.9	140.0
0.5	0.75	0.537	66.5	−15.5	4.9	16.3	162.2
0.5	0.75	0.625	67.1	−12.1	−2.0	12.3	189.6
0.5	0.75	0.686	67.6	−9.0	−6.8	11.3	216.9
0.5	0.875	0.855	72.0	−10.4	−14.5	17.8	234.3
0.5	0.923	1.0	74.4	−9.9	−20.6	22.9	244.3
0.327	0.875	0.0	60.5	−31.1	51.0	59.7	121.4
0.366	0.875	0.125	61.9	−30.7	40.3	50.7	127.2
0.405	0.875	0.25	63.4	−29.6	29.2	41.6	135.4
0.429	0.875	0.375	65.9	−27.7	18.7	33.5	145.9
0.5	0.875	0.556	69.8	−23.2	7.4	24.4	162.2
0.5	0.875	0.651	70.4	−20.0	0.1	20.0	179.5
0.5	0.875	0.722	71.0	−16.5	−5.9	17.6	199.6
0.5	0.875	0.78	71.4	−13.5	−10.2	16.9	216.9
0.5	1.0	0.946	75.8	−15.0	−17.7	23.2	229.7
0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
0.361	1.0	0.125	64.0	−39.9	42.7	58.5	133.0
0.388	1.0	0.25	66.2	−38.2	31.9	49.8	140.0
0.418	1.0	0.375	68.7	−36.9	21.8	42.8	149.4
0.5	1.0	0.575	73.1	−31.0	9.9	32.6	162.2
0.5	1.0	0.675	73.7	−27.7	2.4	27.8	175.0
0.5	1.0	0.751	74.3	−24.3	−4.1	24.6	189.6
0.5	1.0	0.816	74.8	−21.0	−9.4	23.0	204.2
0.5	1.0	0.873	75.3	−18.1	−13.6	22.6	216.9

cmyn$^{*}_{sep,Fde}$			
0.567	0.932	0.871	0.0
0.572	0.928	0.643	0.0
0.659	0.942	0.499	0.0
0.73	0.959	0.486	0.0
0.84	0.99	0.486	0.0
0.888	1.0	0.376	0.0
0.94	1.0	0.253	0.0
0.991	0.981	0.131	0.0
1.0	0.893	0.0	0.0
0.564	0.849	1.0	0.0
0.545	0.784	0.677	0.0
0.558	0.789	0.507	0.0
0.659	0.793	0.448	0.0
0.736	0.786	0.43	0.0
0.78	0.792	0.331	0.0
0.847	0.814	0.241	0.0
0.86	0.756	0.124	0.0
0.863	0.691	0.001	0.0
0.557	0.734	1.0	0.0
0.54	0.705	0.771	0.0
0.534	0.65	0.549	0.0
0.591	0.65	0.41	0.0
0.675	0.632	0.39	0.0
0.706	0.632	0.298	0.0
0.72	0.598	0.205	0.0
0.723	0.541	0.105	0.0
0.724	0.5	0.005	0.0
0.544	0.599	0.996	0.0
0.533	0.575	0.797	0.0
0.531	0.553	0.62	0.0
0.534	0.509	0.45	0.0
0.618	0.497	0.38	0.0
0.64	0.487	0.291	0.0
0.64	0.453	0.199	0.0
0.641	0.421	0.103	0.0
0.639	0.387	0.008	0.0
0.531	0.448	0.991	0.0
0.52	0.436	0.814	0.0
0.519	0.421	0.655	0.0
0.524	0.403	0.506	0.0
0.54	0.382	0.356	0.0
0.536	0.353	0.274	0.0
0.531	0.319	0.187	0.0
0.529	0.287	0.099	0.0
0.53	0.252	0.01	0.0
0.567	0.322	0.996	0.0
0.565	0.322	0.832	0.0
0.565	0.312	0.675	0.0
0.576	0.296	0.531	0.0
0.557	0.269	0.384	0.0
0.546	0.284	0.296	0.0
0.538	0.23	0.179	0.0
0.538	0.211	0.094	0.0
0.539	0.18	0.009	0.0
0.619	0.226	0.996	0.0
0.606	0.22	0.838	0.0
0.61	0.205	0.699	0.0
0.613	0.186	0.557	0.0
0.575	0.165	0.403	0.0
0.567	0.177	0.312	0.0
0.552	0.191	0.241	0.0
0.549	0.117	0.108	0.0
0.549	0.068	0.004	0.0
0.646	0.135	0.995	0.0
0.643	0.117	0.852	0.0
0.646	0.095	0.718	0.0
0.637	0.064	0.576	0.0
0.595	0.041	0.413	0.0
0.589	0.055	0.329	0.0
0.576	0.076	0.254	0.0
0.564	0.095	0.183	0.0
0.566	0.0	0.055	0.0
0.678	0.0	1.0	0.0
0.67	0.0	0.859	0.0
0.667	0.0	0.749	0.0
0.664	0.0	0.623	0.0
0.613	0.0	0.418	0.0
0.625	0.0	0.375	0.0
0.6	0.0	0.266	0.0
0.59	0.0	0.193	0.0
0.578	0.0	0.13	0.0

Mean color difference of this page: **delta**

$h_{siM,de}$
375
349
315
301
288
279
273
268
264
38
375
339
306
288
277
270
264
260
53
43
375
315
288
273
264
259
256
66
62
53
375
288
264
256
252
250
83
83
83
83
360
242
242
242
242
108
113
120
131
158
195
218
229
233
120
125
131
139
158
180
195
207
218
128
131
136
144
158
173
186
195
204
131
134
139
146
158
170
180
188
195

rgb$^{*}_{Mde}$			*LabCh*$^{*}_{Mde}$				
1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
1.0	0.0	0.657	46.0	76.1	13.2	77.2	9.8
0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
0.522	0.0	1.0	36.0	59.9	−19.6	63.0	341.8
0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
0.182	0.0	1.0	28.3	38.8	−34.7	52.1	318.1
0.064	0.0	1.0	26.5	32.9	−38.4	50.6	310.5
0.0	0.022	1.0	25.7	28.2	−40.4	49.3	304.9
0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
1.0	0.166	0.0	50.5	59.2	51.6	78.6	41.0
1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
1.0	0.0	0.827	45.9	77.8	5.8	78.1	4.3
0.603	0.0	1.0	37.6	64.3	−15.3	66.1	346.6
0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
0.135	0.0	1.0	27.9	36.5	−36.1	51.4	315.3
0.008	0.0	1.0	25.2	30.0	−40.1	50.1	306.8
0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
0.0	0.173	1.0	30.2	19.2	−40.4	44.7	295.4
1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
1.0	0.246	0.0	53.5	52.2	55.3	76.1	46.6
1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
0.064	0.0	1.0	26.5	32.9	−38.4	50.6	310.5
0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
0.0	0.198	1.0	31.1	17.6	−40.4	44.1	293.5
0.0	0.248	1.0	32.8	14.4	−40.2	42.7	289.7
1.0	0.604	0.0	70.9	17.9	75.9	77.9	76.7
1.0	0.543	0.0	67.4	24.5	71.9	75.9	71.1
1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
0.0	0.248	1.0	32.8	14.4	−40.2	42.7	289.7
0.0	0.302	1.0	34.7	10.8	−40.4	41.8	285.0
0.0	0.335	1.0	35.9	8.7	−40.4	41.3	282.1
1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
0.678	1.0	0.0	77.6	−21.4	79.1	82.0	105.1
0.605	1.0	0.0	74.5	−25.0	74.3	78.4	108.6
0.493	1.0	0.0	70.3	−30.0	66.1	72.6	114.4
0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
0.0	0.666	1.0	47.8	−11.4	−41.0	42.6	254.3
0.0	0.602	1.0	45.6	−7.9	−40.9	41.7	258.9
0.493	1.0	0.0	70.3	−30.0	66.1	72.6	114.4
0.414	1.0	0.0	67.2	−33.9	60.9	69.7	119.1
0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
0.184	1.0	0.0	56.4	−50.9	42.6	66.4	140.0
0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
0.0	1.0	0.948	56.4	−27.8	−38.7	47.7	234.3
0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
0.374	1.0	0.0	65.7	−35.6	58.2	68.3	121.4
0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
0.248	1.0	0.0	58.3	−47.4	46.7	66.6	135.4
0.108	1.0	0.0	54.1	−55.5	37.5	67.0	145.9
0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
0.0	1.0	0.403	52.2	−53.4	0.4	53.4	179.5
0.0	1.0	0.592	53.7	−44.2	−15.7	46.9	199.6
0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
0.0	1.0	0.892	56.0	−30.0	−35.5	46.5	229.7
0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
0.269	1.0	0.0	59.5	−45.7	48.8	66.9	133.0
0.184	1.0	0.0	56.4	−50.9	42.6	66.4	140.0
0.069	1.0	0.0	52.6	−59.0	34.9	68.6	149.4
0.0	1.0	0.151	50.6	−62.1	19.9	65.2

TUB registration: 20130201-QE48/QE48L0FA.TXT /.PS
application for measurement of offset print output, separation cmy0* (CMY0)
TUB material: code=rha4ta

n	HIC*$_{Fde}$	*rgb*$_{Fde}$			*ict*$_{Fde}$			*h*$_{si\_Fde}$
405	R00Y_062_062$_{de}$	0.625	0.0	0.0	0.625	0.625	0.312	390
406	R31Y_062_062$_{de}$	0.625	0.0	0.125	0.625	0.625	0.312	379
407	R11Y_062_062$_{de}$	0.625	0.0	0.25	0.625	0.625	0.312	367
408	B69R_062_062$_{de}$	0.625	0.0	0.375	0.625	0.625	0.312	353
409	B59R_062_062$_{de}$	0.625	0.0	0.5	0.625	0.625	0.312	341
410	B50R_062_062$_{de}$	0.625	0.0	0.625	0.625	0.625	0.312	330
411	B42R_075_075$_{de}$	0.625	0.0	0.75	0.75	0.75	0.375	321
412	B36R_087_087$_{de}$	0.625	0.0	0.875	0.875	0.875	0.437	314
413	B31R_100_100$_{de}$	0.625	0.0	1.0	1.0	1.0	0.5	308
414	R18Y_062_062$_{de}$	0.625	0.125	0.0	0.625	0.625	0.312	41
415	R00Y_062_050$_{de}$	0.625	0.125	0.125	0.625	0.5	0.375	390
416	R26Y_062_050$_{de}$	0.625	0.125	0.25	0.625	0.5	0.375	376
417	R00Y_062_050$_{de}$	0.625	0.125	0.375	0.625	0.5	0.375	360
418	B61R_062_050$_{de}$	0.625	0.125	0.5	0.625	0.5	0.375	344
419	B50R_062_050$_{de}$	0.625	0.125	0.625	0.625	0.5	0.375	330
420	B40R_075_062$_{de}$	0.625	0.125	0.75	0.75	0.625	0.437	319
421	B34R_087_075$_{de}$	0.625	0.125	0.875	0.875	0.75	0.5	311
422	B29R_100_087$_{de}$	0.625	0.125	1.0	1.0	0.875	0.562	305
423	R38Y_062_062$_{de}$	0.625	0.25	0.0	0.625	0.625	0.312	53
424	R23Y_062_050$_{de}$	0.625	0.25	0.125	0.625	0.5	0.375	44
425	R00Y_062_037$_{de}$	0.625	0.25	0.25	0.625	0.375	0.437	390
426	R18Y_062_037$_{de}$	0.625	0.25	0.375	0.625	0.375	0.437	371
427	B65R_062_037$_{de}$	0.625	0.25	0.5	0.625	0.375	0.437	349
428	B50R_062_037$_{de}$	0.625	0.25	0.625	0.625	0.375	0.437	330
429	B38R_075_050$_{de}$	0.625	0.25	0.75	0.75	0.5	0.5	316
430	B30R_087_062$_{de}$	0.625	0.25	0.875	0.875	0.625	0.562	307
431	B25R_100_075$_{de}$	0.625	0.25	1.0	1.0	0.75	0.625	300
432	R61Y_062_062$_{de}$	0.625	0.375	0.0	0.625	0.625	0.312	67
433	R50Y_062_050$_{de}$	0.625	0.375	0.125	0.625	0.5	0.375	60
434	R31Y_062_037$_{de}$	0.625	0.375	0.25	0.625	0.375	0.437	49
435	R00Y_062_025$_{de}$	0.625	0.375	0.375	0.625	0.25	0.5	390
436	R00Y_062_025$_{de}$	0.625	0.375	0.5	0.625	0.25	0.5	360
437	B50R_062_025$_{de}$	0.625	0.375	0.625	0.625	0.25	0.5	330
438	B34R_075_037$_{de}$	0.625	0.375	0.75	0.75	0.375	0.562	311
439	B25R_087_050$_{de}$	0.625	0.375	0.875	0.875	0.5	0.625	300
440	B19R_100_062$_{de}$	0.625	0.375	1.0	1.0	0.625	0.687	293
441	R81Y_062_062$_{de}$	0.625	0.5	0.0	0.625	0.625	0.312	79
442	R76Y_062_050$_{de}$	0.625	0.5	0.125	0.625	0.5	0.375	76
443	R68Y_062_037$_{de}$	0.625	0.5	0.25	0.625	0.375	0.437	71
444	R50Y_062_025$_{de}$	0.625	0.5	0.375	0.625	0.25	0.5	60
445	R00Y_062_012$_{de}$	0.625	0.5	0.5	0.625	0.125	0.562	390
446	B50R_062_012$_{de}$	0.625	0.5	0.625	0.625	0.125	0.562	330
447	B25R_075_025$_{de}$	0.625	0.5	0.75	0.75	0.25	0.625	300
448	B15R_087_037$_{de}$	0.625	0.5	0.875	0.875	0.375	0.687	289
449	B11R_100_050$_{de}$	0.625	0.5	1.0	1.0	0.5	0.75	284
450	Y00G_062_062$_{de}$	0.625	0.625	0.0	0.625	0.625	0.312	90
451	Y00G_062_050$_{de}$	0.625	0.625	0.125	0.625	0.5	0.375	90
452	Y00G_062_037$_{de}$	0.625	0.625	0.25	0.625	0.375	0.437	90
453	Y00G_062_025$_{de}$	0.625	0.625	0.375	0.625	0.25	0.5	90
454	Y00G_062_012$_{de}$	0.625	0.625	0.5	0.625	0.125	0.562	90
455	NW_062$_{de}$	0.625	0.625	0.625	0.625	0.0	0.625	360
456	B00R_075_012$_{de}$	0.625	0.625	0.75	0.75	0.125	0.687	270
457	B00R_087_025$_{de}$	0.625	0.625	0.875	0.875	0.25	0.75	270
458	B00R_100_037$_{de}$	0.625	0.625	1.0	1.0	0.375	0.812	270
459	Y15G_075_075$_{de}$	0.625	0.75	0.0	0.75	0.75	0.375	99
460	Y18G_075_062$_{de}$	0.625	0.75	0.125	0.75	0.625	0.437	101
461	Y23G_075_050$_{de}$	0.625	0.75	0.25	0.75	0.5	0.5	104
462	Y31G_075_037$_{de}$	0.625	0.75	0.375	0.75	0.375	0.562	109
463	Y50G_075_025$_{de}$	0.625	0.75	0.5	0.75	0.25	0.625	120
464	G00B_075_012$_{de}$	0.625	0.75	0.625	0.75	0.125	0.687	150
465	G50B_075_012$_{de}$	0.625	0.75	0.75	0.75	0.125	0.687	210
466	G75B_087_025$_{de}$	0.625	0.75	0.875	0.875	0.25	0.75	240
467	G84B_100_037$_{de}$	0.625	0.75	1.0	1.0	0.375	0.812	251
468	Y26G_087_087$_{de}$	0.625	0.875	0.0	0.875	0.875	0.437	106
469	Y31G_087_075$_{de}$	0.625	0.875	0.125	0.875	0.75	0.5	109
470	Y38G_087_062$_{de}$	0.625	0.875	0.25	0.875	0.625	0.562	113
471	Y50G_087_050$_{de}$	0.625	0.875	0.375	0.875	0.5	0.625	120
472	Y68G_087_037$_{de}$	0.625	0.875	0.5	0.875	0.375	0.687	131
473	G00B_087_025$_{de}$	0.625	0.875	0.625	0.875	0.25	0.75	150
474	G25B_087_025$_{de}$	0.625	0.875	0.75	0.875	0.25	0.75	180
475	G50B_087_025$_{de}$	0.625	0.875	0.875	0.875	0.25	0.75	210
476	G65B_100_037$_{de}$	0.625	0.875	1.0	1.0	0.375	0.812	229
477	Y36G_100_100$_{de}$	0.625	1.0	0.0	1.0	1.0	0.5	112
478	Y41G_100_087$_{de}$	0.625	1.0	0.125	1.0	0.875	0.562	115
479	Y50G_100_075$_{de}$	0.625	1.0	0.25	1.0	0.75	0.625	120
480	Y61G_100_062$_{de}$	0.625	1.0	0.375	1.0	0.625	0.687	127
481	Y76G_100_050$_{de}$	0.625	1.0	0.5	1.0	0.5	0.75	136
482	G00B_100_037$_{de}$	0.625	1.0	0.625	1.0	0.375	0.812	150
483	G15B_100_037$_{de}$	0.625	1.0	0.75	1.0	0.375	0.812	169
484	G34B_100_037$_{de}$	0.625	1.0	0.875	1.0	0.375	0.812	191
485	G50B_100_037$_{de}$	0.625	1.0	1.0	1.0	0.375	0.812	210

rgb$_{Fde}$			*LabCh*$_{Fde}$				
0.625	0.0	0.159	37.6	45.1	21.5	50.0	25.4
0.625	0.0	0.356	37.8	46.9	11.0	48.2	13.2
0.625	0.0	0.624	37.9	49.5	−0.1	49.5	359.8
0.432	0.0	0.625	34.2	42.8	−7.2	43.4	350.4
0.296	0.0	0.625	31.0	35.7	−13.7	38.3	339.0
0.201	0.0	0.625	28.5	29.8	−18.2	34.9	328.6
0.161	0.0	0.75	27.5	30.2	−25.3	39.4	320.0
0.092	0.0	0.875	27.0	30.7	−32.4	44.7	313.4
0.022	0.0	1.0	25.5	30.7	−39.7	50.3	307.7
0.625	0.072	0.0	39.5	39.6	30.6	50.1	37.7
0.625	0.125	0.252	43.9	36.1	17.2	40.0	25.4
0.625	0.125	0.453	44.0	38.0	6.6	38.6	9.8
0.493	0.125	0.625	41.8	35.2	−4.9	35.5	352.0
0.386	0.125	0.625	39.1	29.9	−9.8	31.5	341.8
0.285	0.125	0.625	36.6	23.8	−14.5	27.9	328.6
0.239	0.125	0.75	35.7	24.2	−21.7	32.5	318.1
0.173	0.125	0.875	34.9	24.7	−28.8	38.0	310.5
0.125	0.145	1.0	34.4	24.7	−35.4	43.1	304.9
0.625	0.188	0.0	44.1	29.5	36.5	46.9	51.0
0.625	0.208	0.125	46.3	29.6	25.8	39.3	41.0
0.625	0.25	0.345	50.1	27.0	12.9	30.0	25.4
0.625	0.25	0.56	50.2	29.2	2.2	29.2	4.3
0.476	0.25	0.625	47.1	24.1	−5.7	24.7	346.6
0.37	0.25	0.625	44.7	17.9	−10.9	20.9	328.6
0.317	0.25	0.75	43.9	18.2	−18.0	25.7	315.3
0.255	0.25	0.875	42.7	18.7	−25.1	31.3	306.8
0.25	0.329	1.0	44.9	17.6	−30.2	35.0	300.1
0.625	0.308	0.0	49.5	18.4	42.7	46.5	66.6
0.625	0.324	0.125	51.2	19.1	31.7	37.0	58.8
0.625	0.342	0.25	53.1	19.6	20.7	28.5	46.6
0.625	0.375	0.438	56.4	18.0	8.6	20.0	25.4
0.559	0.375	0.625	55.3	17.6	−2.4	17.7	352.0
0.455	0.375	0.625	52.7	11.9	−7.2	13.9	328.6
0.399	0.375	0.75	51.9	12.3	−14.4	19.0	310.5
0.375	0.427	0.875	52.9	11.7	−20.1	23.3	300.1
0.375	0.498	1.0	55.3	11.0	−25.2	27.5	293.5
0.625	0.405	0.0	54.8	8.5	49.0	49.8	80.0
0.625	0.427	0.125	56.5	8.9	37.9	38.9	76.7
0.625	0.453	0.25	58.3	9.2	26.9	28.4	71.1
0.625	0.474	0.375	60.0	9.5	15.8	18.5	58.8
0.625	0.5	0.531	62.6	9.0	4.3	10.0	25.4
0.54	0.5	0.625	60.8	5.9	−3.6	6.9	328.6
0.5	0.526	0.75	60.9	5.8	−10.0	11.6	300.1
0.5	0.593	0.875	63.1	5.4	−15.0	16.0	289.7
0.5	0.651	1.0	65.1	5.4	−20.2	20.9	285.0
0.625	0.549	0.0	61.4	−2.2	56.5	56.5	92.3
0.625	0.564	0.125	62.9	−1.8	45.2	45.2	92.3
0.625	0.579	0.25	64.4	−1.3	33.9	33.9	92.3
0.625	0.594	0.375	65.9	−0.9	22.6	22.6	92.3
0.625	0.609	0.5	67.4	−0.4	11.3	11.3	92.3
0.625	0.625	0.625	68.9	0.0	0.0	0.0	0.0
0.625	0.682	0.75	70.8	0.1	−5.0	5.0	271.7
0.625	0.739	0.875	72.8	0.3	−10.1	10.1	271.7
0.625	0.796	1.0	74.8	0.4	−15.2	15.2	271.7
0.546	0.75	0.0	66.0	−14.0	61.7	63.3	102.7
0.549	0.75	0.125	66.5	−13.3	49.4	51.2	105.1
0.552	0.75	0.25	67.2	−12.5	37.1	39.2	108.6
0.56	0.75	0.375	68.3	−11.2	24.7	27.2	114.4
0.58	0.75	0.5	69.5	−10.2	13.4	16.9	127.2
0.625	0.75	0.643	72.1	−7.7	2.4	8.1	162.2
0.625	0.75	0.718	72.7	−4.5	−3.4	5.6	216.9
0.625	0.836	0.875	76.1	−4.9	−10.3	11.4	244.3
0.625	0.875	1.0	77.7	−4.3	−15.4	15.9	254.3
0.49	0.875	0.0	66.8	−23.7	62.1	66.5	110.9
0.495	0.875	0.125	67.7	−22.5	49.5	54.4	114.4
0.508	0.875	0.25	68.9	−21.2	38.0	43.5	119.1
0.536	0.875	0.375	70.2	−20.4	26.9	33.8	127.2
0.569	0.875	0.5	72.0	−19.1	15.9	24.9	140.0
0.625	0.875	0.662	75.4	−15.5	4.9	16.3	162.2
0.625	0.875	0.75	76.0	−12.1	−2.0	12.3	189.6
0.625	0.875	0.811	76.5	−9.0	−6.8	11.3	216.9
0.625	1.0	0.98	80.9	−10.4	−14.5	17.8	234.3
0.434	1.0	0.0	68.0	−33.0	62.2	70.4	117.9
0.452	1.0	0.125	69.4	−31.1	51.0	59.7	121.4
0.491	1.0	0.25	70.8	−30.7	40.3	50.7	127.2
0.53	1.0	0.375	72.3	−29.6	29.2	41.6	135.4
0.554	1.0	0.5	74.8	−27.7	18.7	33.5	145.9
0.625	1.0	0.681	78.7	−23.2	7.4	24.4	162.2
0.625	1.0	0.776	79.3	−20.0	0.1	20.0	179.5
0.625	1.0	0.847	79.9	−16.5	−5.9	17.6	199.6
0.625	1.0	0.905	80.3	−13.5	−10.2	16.9	216.9

cmyn$_{sep,Fde}$			
0.446	0.94	0.851	0.0
0.447	0.937	0.634	0.0
0.456	0.941	0.426	0.0
0.601	0.958	0.4	0.0
0.697	0.97	0.377	0.0
0.781	0.984	0.373	0.0
0.848	1.0	0.269	0.0
0.901	0.994	0.135	0.0
0.977	0.999	0.0	0.0
0.442	0.865	1.0	0.0
0.418	0.79	0.65	0.0
0.426	0.795	0.492	0.0
0.526	0.811	0.364	0.0
0.623	0.81	0.345	0.0
0.703	0.802	0.334	0.0
0.737	0.804	0.227	0.0
0.792	0.811	0.116	0.0
0.855	0.81	0.0	0.0
0.437	0.749	1.0	0.0
0.413	0.726	0.763	0.0
0.401	0.657	0.522	0.0
0.415	0.668	0.372	0.0
0.537	0.684	0.329	0.0
0.642	0.662	0.305	0.0
0.672	0.658	0.205	0.0
0.711	0.655	0.106	0.0
0.717	0.593	0.0	0.0
0.426	0.629	0.996	0.0
0.411	0.602	0.79	0.0
0.399	0.579	0.607	0.0
0.398	0.522	0.423	0.0
0.458	0.538	0.303	0.0
0.568	0.528	0.295	0.0
0.614	0.527	0.199	0.0
0.632	0.491	0.104	0.0
0.633	0.453	0.006	0.0
0.415	0.494	0.985	0.0
0.404	0.48	0.806	0.0
0.398	0.459	0.644	0.0
0.395	0.44	0.495	0.0
0.402	0.407	0.335	0.0
0.49	0.41	0.278	0.0
0.52	0.401	0.194	0.0
0.516	0.362	0.102	0.0
0.519	0.323	0.009	0.0
0.401	0.354	0.978	0.0
0.392	0.339	0.815	0.0
0.387	0.322	0.668	0.0
0.388	0.306	0.532	0.0
0.399	0.286	0.399	0.0
0.417	0.26	0.26	0.0
0.412	0.236	0.176	0.0
0.408	0.21	0.093	0.0
0.406	0.182	0.009	0.0
0.443	0.206	0.989	0.0
0.441	0.207	0.844	0.0
0.439	0.202	0.704	0.0
0.443	0.198	0.566	0.0
0.454	0.187	0.439	0.0
0.438	0.167	0.29	0.0
0.424	0.181	0.203	0.0
0.415	0.134	0.089	0.0
0.415	0.115	0.008	0.0
0.514	0.123	1.0	0.0
0.495	0.121	0.855	0.0
0.482	0.113	0.72	0.0
0.488	0.097	0.596	0.0
0.493	0.076	0.469	0.0
0.458	0.054	0.312	0.0
0.448	0.073	0.22	0.0
0.433	0.093	0.148	0.0
0.43	0.001	0.018	0.0
0.565	0.0	1.0	0.0
0.536	0.0	0.861	0.0
0.533	0.0	0.749	0.0
0.536	0.0	0.623	0.0
0.527	0.0	0.498	0.0
0.5	0.0	0.375	0.0
0.47	0.0	0.25	0.0
0.459	0.0	0.157	0.0
0.445	0.0	0.091	0.0

Mean color difference of this page: **delta**

h$_{siM,de}$	*rgb*$*_{Mde}$			*LabCh*$*_{Mde}$				
375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
355	1.0	0.0	0.57	45.9	75.0	17.6	77.1	13.2
330	1.0	0.0	0.999	46.1	79.3	−0.1	79.3	359.8
312	0.692	0.0	1.0	40.0	68.5	−11.5	69.4	350.4
298	0.473	0.0	1.0	35.0	57.2	−21.9	61.3	339.0
288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
281	0.214	0.0	1.0	28.6	40.3	−33.7	52.6	320.0
275	0.106	0.0	1.0	27.4	35.1	−37.0	51.0	313.4
271	0.022	0.0	1.0	25.5	30.7	−39.7	50.3	307.7
36	1.0	0.115	0.0	48.6	63.4	49.1	80.2	37.7
375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
349	1.0	0.0	0.657	46.0	76.1	13.2	77.2	9.8
315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
301	0.522	0.0	1.0	36.0	59.9	−19.6	63.0	341.8
288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
279	0.182	0.0	1.0	28.3	38.8	−34.7	52.1	318.1
273	0.064	0.0	1.0	26.5	32.9	−38.4	50.6	310.5
268	0.0	0.022	1.0	25.7	28.2	−40.4	49.3	304.9
47	1.0	0.301	0.0	55.9	47.2	58.5	75.1	51.0
38	1.0	0.166	0.0	50.5	59.2	51.6	78.6	41.0
375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
339	1.0	0.0	0.827	45.9	77.8	5.8	78.1	4.3
306	0.603	0.0	1.0	37.6	64.3	−15.3	66.1	346.6
288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
277	0.135	0.0	1.0	27.9	36.5	−36.1	51.4	315.3
270	0.008	0.0	1.0	25.2	30.0	−40.1	50.1	306.8
264	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
59	1.0	0.494	0.0	64.6	29.4	68.4	74.5	66.6
53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
43	1.0	0.246	0.0	53.5	52.2	55.3	76.1	46.6
375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
273	0.064	0.0	1.0	26.5	32.9	−38.4	50.6	310.5
264	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
259	0.0	0.198	1.0	31.1	17.6	−40.4	44.1	293.5
69	1.0	0.648	0.0	73.2	13.7	78.4	79.6	80.0
66	1.0	0.604	0.0	70.9	17.9	75.9	77.9	76.7
62	1.0	0.543	0.0	67.4	24.5	71.9	75.9	71.1
53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
264	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
256	0.0	0.248	1.0	32.8	14.4	−40.2	42.7	289.7
252	0.0	0.302	1.0	34.7	10.8	−40.4	41.8	285.0
83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
105	0.729	1.0	0.0	79.8	−18.6	82.3	84.4	102.7
108	0.678	1.0	0.0	77.6	−21.4	79.1	82.0	105.1
113	0.605	1.0	0.0	74.5	−25.0	74.3	78.4	108.6
120	0.493	1.0	0.0	70.3	−30.0	66.1	72.6	114.4
131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
229	0.0	0.666	1.0	47.8	−11.4	−41.0	42.6	254.3
116	0.56	1.0	0.0	72.8	−27.1	71.0	76.0	110.9
120	0.493	1.0	0.0	70.3	−30.0	66.1	72.6	114.4
125	0.414	1.0	0.0	67.2	−33.9	60.9	69.7	119.1
131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
139	0.184	1.0	0.0	56.4	−50.9	42.6	66.4	140.0
158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
207	0.0	1.0	0.948	56.4	−27.8	−38.7	47.7	234.3
124	0.434	1.0	0.0	68.0	−33.0	62.2	70.4	117.9
128	0.374	1.0	0.0	65.7	−35.6	58.2	68.3	121.4
131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
136	0.248	1.0	0.0	58.3	−47.4	46.7	66.6	135.4
144	0.108	1.0	0.0	54.1	−55.5	37.5	67.0	145.9
158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
173	0.0	1.0	0.403	52.2	−53.4	0.4	53.4	179.5
186	0.0	1.0	0.592	53.7	−44.2	−15.7	46

TUB registration: 20130201-QE48/QE48L0FA.TXT /.PS
application for measurement of offset print output, separation cmy0* (CMY0)
TUB material: code=rha4ta

n	HIC*$_{Fde}$	*rgb*$_{Fde}$			*ict*$_{Fde}$			h_{si_Fde}	*rgb**$_{Fde}$			*LabCh**$_{Fde}$					*cmyn**$_{sep,Fde}$				$h_{siM,de}$	*rgb**$_{Mde}$			*LabCh**$_{Mde}$				
486	R00Y_075_075$_{de}$	0.75	0.0	0.0	0.75	0.75	0.375	390	0.75	0.0	0.191	40.3	54.1	25.8	60.0	25.4	0.317	0.955	0.803	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
487	R35Y_075_075$_{de}$	0.75	0.0	0.125	0.75	0.75	0.375	381	0.75	0.0	0.384	40.5	55.7	15.4	57.8	15.4	0.318	0.953	0.6	0.0	359	1.0	0.0	0.512	45.9	74.3	20.5	77.1	15.4
488	R18Y_075_075$_{de}$	0.75	0.0	0.25	0.75	0.75	0.375	371	0.75	0.0	0.62	40.5	58.4	4.4	58.5	4.3	0.321	0.957	0.405	0.0	339	1.0	0.0	0.827	45.9	77.8	5.8	78.1	4.3
489	R00Y_075_075$_{de}$	0.75	0.0	0.375	0.75	0.75	0.375	360	0.552	0.0	0.75	37.1	52.8	−7.3	53.3	352.0	0.475	0.97	0.29	0.0	315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
490	B65R_075_075$_{de}$	0.75	0.0	0.5	0.75	0.75	0.375	349	0.452	0.0	0.75	34.3	48.2	−11.4	49.5	346.6	0.572	0.984	0.294	0.0	306	0.603	0.0	1.0	37.6	64.3	−15.3	66.1	346.6
491	B57R_075_075$_{de}$	0.75	0.0	0.625	0.75	0.75	0.375	339	0.33	0.0	0.75	31.7	41.6	−17.5	45.1	337.1	0.667	0.982	0.267	0.0	296	0.44	0.0	1.0	34.2	55.4	−23.3	60.2	337.1
492	B50R_075_075$_{de}$	0.75	0.0	0.75	0.75	0.75	0.375	330	0.241	0.0	0.75	29.4	35.8	−21.8	41.9	328.6	0.738	0.985	0.261	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
493	B43R_087_087$_{de}$	0.75	0.0	0.875	0.875	0.875	0.437	322	0.201	0.0	0.875	28.1	35.9	−29.0	46.2	321.0	0.803	0.999	0.145	0.0	282	0.23	0.0	1.0	28.7	41.0	−33.2	52.8	321.0
494	B38R_100_100$_{de}$	0.75	0.0	1.0	1.0	1.0	0.5	316	0.135	0.0	1.0	27.9	36.5	−36.1	51.4	315.3	0.864	1.0	0.0	0.0	277	0.135	0.0	1.0	27.9	36.5	−36.1	51.4	315.3
495	R15Y_075_075$_{de}$	0.75	0.125	0.0	0.75	0.75	0.375	39	0.75	0.051	0.0	41.6	49.9	35.6	61.3	35.5	0.313	0.899	0.999	0.0	33	1.0	0.068	0.0	47.3	66.5	47.4	81.7	35.5
496	R00Y_075_062$_{de}$	0.75	0.125	0.125	0.75	0.625	0.437	390	0.75	0.125	0.284	46.5	45.1	21.5	50.0	25.4	0.288	0.815	0.63	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
497	R31Y_075_062$_{de}$	0.75	0.125	0.25	0.75	0.625	0.437	379	0.75	0.125	0.481	46.7	46.9	11.0	48.2	13.2	0.292	0.818	0.48	0.0	355	1.0	0.0	0.57	45.9	75.0	17.6	77.1	13.2
498	R11Y_075_062$_{de}$	0.75	0.125	0.375	0.75	0.625	0.437	367	0.75	0.125	0.749	46.8	49.5	−0.1	49.5	359.8	0.303	0.826	0.283	0.0	330	1.0	0.0	0.999	46.1	79.3	−0.1	79.3	359.8
499	B69R_075_062$_{de}$	0.75	0.125	0.5	0.75	0.625	0.437	353	0.557	0.125	0.75	43.1	42.8	−7.2	43.4	350.4	0.455	0.831	0.264	0.0	312	0.692	0.0	1.0	40.0	68.5	−11.5	69.4	350.4
500	B59R_075_062$_{de}$	0.75	0.125	0.625	0.75	0.625	0.437	341	0.421	0.125	0.75	39.9	35.7	−13.7	38.3	339.0	0.581	0.829	0.243	0.0	298	0.473	0.0	1.0	35.0	57.2	−21.9	61.3	339.0
501	B50R_075_062$_{de}$	0.75	0.125	0.75	0.75	0.625	0.437	330	0.326	0.125	0.75	37.5	29.8	−18.2	34.9	328.6	0.668	0.82	0.232	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
502	B42R_087_075$_{de}$	0.75	0.125	0.875	0.875	0.75	0.5	321	0.286	0.125	0.875	36.4	30.2	−25.3	39.4	320.0	0.706	0.823	0.12	0.0	281	0.214	0.0	1.0	28.6	40.3	−33.7	52.6	320.0
503	B36R_100_087$_{de}$	0.75	0.125	1.0	1.0	0.875	0.562	314	0.217	0.125	1.0	35.9	30.7	−32.4	44.7	313.4	0.739	0.812	0.0	0.0	275	0.106	0.0	1.0	27.4	35.1	−37.0	51.0	313.4
504	R31Y_075_075$_{de}$	0.75	0.25	0.0	0.75	0.75	0.375	49	0.75	0.184	0.0	46.2	39.2	41.5	57.1	46.6	0.311	0.772	0.995	0.0	43	1.0	0.246	0.0	53.5	52.2	55.3	76.1	46.6
505	R18Y_075_062$_{de}$	0.75	0.25	0.125	0.75	0.625	0.437	41	0.75	0.197	0.125	48.4	39.6	30.6	50.1	37.7	0.284	0.765	0.762	0.0	36	1.0	0.115	0.0	48.6	63.4	49.1	80.2	37.7
506	R00Y_075_050$_{de}$	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.377	52.8	36.1	17.2	40.0	25.4	0.271	0.698	0.52	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
507	R26Y_075_050$_{de}$	0.75	0.25	0.375	0.75	0.5	0.5	376	0.75	0.25	0.578	53.0	38.0	6.6	38.6	9.8	0.279	0.706	0.375	0.0	349	1.0	0.0	0.657	46.0	76.1	13.2	77.2	9.8
508	R00Y_075_050$_{de}$	0.75	0.25	0.5	0.75	0.5	0.5	360	0.618	0.25	0.75	50.7	35.2	−4.9	35.5	352.0	0.385	0.696	0.229	0.0	315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
509	B61R_075_050$_{de}$	0.75	0.25	0.625	0.75	0.5	0.5	344	0.511	0.25	0.75	48.0	29.9	−9.8	31.5	341.8	0.487	0.707	0.228	0.0	301	0.522	0.0	1.0	36.0	59.9	−19.6	63.0	341.8
510	B50R_075_050$_{de}$	0.75	0.25	0.75	0.75	0.5	0.5	330	0.41	0.25	0.75	45.5	23.8	−14.5	27.9	328.6	0.6	0.69	0.212	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
511	B40R_087_062$_{de}$	0.75	0.25	0.875	0.875	0.625	0.562	319	0.364	0.25	0.875	44.6	24.2	−21.7	32.5	318.1	0.641	0.689	0.104	0.0	279	0.182	0.0	1.0	28.3	38.8	−34.7	52.1	318.1
512	B34R_100_075$_{de}$	0.75	0.25	1.0	1.0	0.75	0.625	311	0.298	0.25	1.0	43.8	24.7	−28.8	38.0	310.5	0.676	0.677	0.0	0.0	273	0.064	0.0	1.0	26.5	32.9	−38.4	50.6	310.5
513	R50Y_075_075$_{de}$	0.75	0.375	0.0	0.75	0.75	0.375	60	0.75	0.298	0.0	51.2	28.7	47.5	55.5	58.8	0.304	0.659	0.99	0.0	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
514	R38Y_075_062$_{de}$	0.75	0.375	0.125	0.75	0.625	0.437	53	0.75	0.313	0.125	53.0	29.5	36.5	46.9	51.0	0.285	0.645	0.798	0.0	47	1.0	0.301	0.0	55.9	47.2	58.5	75.1	51.0
515	R23Y_075_050$_{de}$	0.75	0.375	0.25	0.75	0.5	0.5	44	0.75	0.333	0.25	55.2	29.6	25.8	39.3	41.0	0.268	0.637	0.625	0.0	38	1.0	0.166	0.0	50.5	59.2	51.6	78.6	41.0
516	R00Y_075_037$_{de}$	0.75	0.375	0.375	0.75	0.375	0.562	390	0.75	0.375	0.47	59.0	27.0	12.9	30.0	25.4	0.264	0.577	0.428	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
517	R18Y_075_037$_{de}$	0.75	0.375	0.5	0.75	0.375	0.562	371	0.75	0.375	0.685	59.1	29.2	2.2	29.2	4.3	0.276	0.582	0.271	0.0	339	1.0	0.0	0.827	45.9	77.8	5.8	78.1	4.3
518	B65R_075_037$_{de}$	0.75	0.375	0.625	0.75	0.375	0.562	349	0.601	0.375	0.75	56.0	24.1	−5.7	24.7	346.6	0.398	0.56	0.211	0.0	306	0.603	0.0	1.0	37.6	64.3	−15.3	66.1	346.6
519	B50R_075_037$_{de}$	0.75	0.375	0.75	0.75	0.375	0.562	330	0.495	0.375	0.75	53.6	17.9	−10.9	20.9	328.6	0.515	0.56	0.205	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
520	B38R_087_050$_{de}$	0.75	0.375	0.875	0.875	0.5	0.625	316	0.442	0.375	0.875	52.9	18.2	−18.0	25.7	315.3	0.56	0.555	0.1	0.0	277	0.135	0.0	1.0	27.9	36.5	−36.1	51.4	315.3
521	B30R_100_062$_{de}$	0.75	0.375	1.0	1.0	0.625	0.687	307	0.38	0.375	1.0	51.6	18.7	−25.1	31.3	306.8	0.616	0.551	0.0	0.0	270	0.008	0.0	1.0	25.2	30.0	−40.1	50.1	306.8
522	R68Y_075_075$_{de}$	0.75	0.5	0.0	0.75	0.75	0.375	71	0.75	0.407	0.0	56.6	18.4	53.9	56.9	71.1	0.298	0.544	0.988	0.0	62	1.0	0.543	0.0	67.4	24.5	71.9	75.9	71.1
523	R61Y_075_062$_{de}$	0.75	0.5	0.125	0.75	0.625	0.437	67	0.75	0.433	0.125	58.4	18.4	42.7	46.5	66.6	0.286	0.526	0.82	0.0	59	1.0	0.494	0.0	64.6	29.4	68.4	74.5	66.6
524	R50Y_075_050$_{de}$	0.75	0.5	0.25	0.75	0.5	0.5	60	0.75	0.449	0.25	60.1	19.1	31.7	37.0	58.8	0.274	0.513	0.664	0.0	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
525	R31Y_075_037$_{de}$	0.75	0.5	0.375	0.75	0.375	0.562	49	0.75	0.467	0.375	62.0	19.6	20.7	28.5	46.6	0.266	0.499	0.515	0.0	43	1.0	0.246	0.0	53.5	52.2	55.3	76.1	46.6
526	R00Y_075_025$_{de}$	0.75	0.5	0.5	0.75	0.25	0.625	390	0.75	0.5	0.563	65.3	18.0	8.6	20.0	25.4	0.269	0.457	0.339	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
527	R00Y_075_025$_{de}$	0.75	0.5	0.625	0.75	0.25	0.625	360	0.684	0.5	0.75	64.2	17.6	−2.4	17.7	352.0	0.324	0.446	0.198	0.0	315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
528	B50R_075_025$_{de}$	0.75	0.5	0.75	0.75	0.25	0.625	330	0.58	0.5	0.75	61.6	11.9	−7.2	13.9	328.6	0.434	0.428	0.188	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
529	B34R_087_037$_{de}$	0.75	0.5	0.875	0.875	0.375	0.687	311	0.524	0.5	0.875	60.8	12.3	−14.4	19.0	310.5	0.479	0.434	0.098	0.0	273	0.064	0.0	1.0	26.5	32.9	−38.4	50.6	310.5
530	B25R_100_050$_{de}$	0.75	0.5	1.0	1.0	0.5	0.75	300	0.5	0.552	1.0	61.8	11.7	−20.1	23.3	300.1	0.501	0.411	0.005	0.0	264	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
531	R85Y_075_075$_{de}$	0.75	0.625	0.0	0.75	0.75	0.375	81	0.75	0.513	0.0	62.2	8.1	60.3	60.9	82.2	0.293	0.431	0.988	0.0	72	1.0	0.684	0.0	74.9	10.9	80.5	81.2	82.2
532	R81Y_075_062$_{de}$	0.75	0.625	0.125	0.75	0.625	0.437	79	0.75	0.53	0.125	63.8	8.5	49.0	49.8	80.0	0.283	0.424	0.837	0.0	69	1.0	0.648	0.0	73.2	13.7	78.4	79.6	80.0
533	R76Y_075_050$_{de}$	0.75	0.625	0.25	0.75	0.5	0.5	76	0.75	0.552	0.25	65.4	8.9	37.9	38.9	76.7	0.275	0.411	0.695	0.0	66	1.0	0.604	0.0	70.9	17.9	75.9	77.9	76.7
534	R68Y_075_037$_{de}$	0.75	0.625	0.375	0.75	0.375	0.562	71	0.75	0.578	0.375	67.2	9.2	26.9	28.4	71.1	0.27	0.395	0.557	0.0	62	1.0	0.543	0.0	67.4	24.5	71.9	75.9	71.1
535	R50Y_075_025$_{de}$	0.75	0.625	0.5	0.75	0.25	0.625	60	0.75	0.599	0.5	68.9	9.5	15.8	18.5	58.8	0.272	0.38	0.418	0.0	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
536	R00Y_075_012$_{de}$	0.75	0.625	0.625	0.75	0.125	0.687	390	0.75	0.625	0.656	71.5	9.0	4.3	10.0	25.4	0.28	0.335	0.255	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
537	B50R_075_012$_{de}$	0.75	0.625	0.75	0.75	0.125	0.687	330	0.665	0.625	0.75	69.7	5.9	−3.6	6.9	328.6	0.362	0.3	0.177	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
538	B25R_087_025$_{de}$	0.75	0.625	0.875	0.875	0.25	0.75	300	0.625	0.651	0.875	69.8	5.8	−10.0	11.6	300.1	0.393	0.287	0.094	0.0	264	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
539	B15R_100_037$_{de}$	0.75	0.625	1.0	1.0	0.375	0.812	289	0.625	0.718	1.0	72.0	5.4	−15.0	16.0	289.7	0.396	0.247	0.008	0.0	256	0.0	0.248	1.0	32.8	14.4	−40.2	42.7	289.7
540	Y00G_075_075$_{de}$	0.75	0.75	0.0	0.75	0.75	0.375	90	0.75	0.659	0.0	68.8	−2.7	67.8	67.8	92.3	0.285	0.269	0.986	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
541	Y00G_075_062$_{de}$	0.75	0.75	0.125	0.75	0.625	0.437	90	0.75	0.674	0.125	70.3	−2.2	56.5	56.5	92.3	0.274	0.262	0.852	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
542	Y00G_075_050$_{de}$	0.75	0.75	0.25	0.75	0.5	0.5	90	0.75	0.689	0.25	71.8	−1.8	45.2	45.2	92.3	0.268	0.252	0.724	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
543	Y00G_075_037$_{de}$	0.75	0.75	0.375	0.75	0.375	0.562	90	0.75	0.704	0.375	73.3	−1.3	33.9	33.9	92.3	0.267	0.24	0.591	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
544	Y00G_075_025$_{de}$	0.75	0.75	0.5	0.75	0.25	0.625	90	0.75	0.719	0.5	74.8	−0.9	22.6	22.6	92.3	0.272	0.226	0.465	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
545	Y00G_075_012$_{de}$	0.75	0.75	0.625	0.75	0.125	0.687	90	0.75	0.734	0.625	76.3	−0.4	11.3	11.3	92.3	0.282	0.206	0.329	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
546	NW_075$_{de}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0	0.299	0.181	0.177	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
547	B00R_087_012$_{de}$	0.75	0.75	0.875	0.875	0.125	0.812	270	0.75	0.807	0.875	79.7	0.1	−5.0	5.0	271.7	0.292	0.159	0.094	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
548	B00R_100_025$_{de}$	0.75	0.75	1.0	1.0	0.25	0.875	270	0.75	0.864	1.0	81.7	0.3	−10.1	10.1	271.7	0.289	0.133	0.009	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
549	Y13G_087_087$_{de}$	0.75	0.875	0.0	0.875	0.875	0.437	98	0.663	0.875	0.0	73.9	−15.1	73.4	75.0	101.6	0.327	0.112	0.988	0.0	103	0.758	1.0	0.0	81.0	−17.2	83.9	85.7	101.6
550	Y15G_087_075$_{de}$	0.75	0.875	0.125	0.875	0.75	0.5	99	0.671	0.875	0.125	74.9	−14.0	61.7	63.3	102.7	0.317	0.117	0.861	0.0	105	0.729	1.0	0.0	79.8	−18.6	82.3	84.4	102.7
551	Y18G_087_062$_{de}$	0.75	0.875	0.25	0.875	0.625	0.562	101	0.674	0.875	0.25	75.4	−13.3	49.4	51.2	105.1	0.321	0.115	0.735	0.0	108	0.678	1.0	0.0	77.6	−21.4	79.1	82.0	105.1
552	Y23G_087_050$_{de}$	0.75	0.875	0.375	0.875	0.5	0.625	104	0.677	0.875	0.375	76.1	−12.5	37.1	39.2	108.6	0.323	0.114	0.607	0.0	113	0.605	1.0	0.0	74.5	−25.0	74.3	78.4	108.6
553	Y31G_087_037$_{de}$	0.75	0.875	0.5	0.875	0.375	0.687	109	0.685	0.875	0.5	77.2	−11.2	24.7	27.2	114.4	0.325	0.108	0.483	0.0	120	0.493	1.0	0.0	70.3	−30.0	66.1	72.6	114.4
554	Y50G_087_025$_{de}$	0.75	0.875	0.625	0.875	0.25	0.75	120	0.705	0.875	0.625	78.4	−10.2	13.4	16.9	127.2	0.338	0.093	0.357	0.0	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
555	G00B_087_012$_{de}$	0.75	0.875	0.75	0.875	0.125	0.812	150	0.75	0.875	0.768	81.1	−7.7	2.4	8.1	162.2	0.321	0.074	0.205	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
556	G50B_087_012$_{de}$	0.75	0.875	0.875	0.875	0.125	0.812	210	0.75	0.875	0.843	81.6	−4.5	−3.4	5.6	216.9	0.306	0.095	0.118	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
557	G75B_100_025$_{de}$	0.75	0.875	1.0	1.0	0.25	0.875	240	0.75	0.961	1.0	85.0	−4.9	−10.3	11.4	244.3	0.3	0.034	0.002	0.0	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
558	Y23G_100_100$_{de}$	0.75	1.0	0.0	1.0	1.0	0.5	104	0.605	1.0	0.0	74.5	−25.0	74.3	78.4	108.6	0.396	0.0	1.0	0.0	113	0.605	1.0	0.0	74.5	−25.0	74.3	78.4	108.6
559	Y26G_100_087$_{de}$	0.75	1.0	0.125	1.0	0.875	0.562	106	0.615	1.0	0.125	75.7	−23.7	62.1	66.5	110.9	0.389	0.001	0.86	0.0	116	0.56	1.0	0.0	72.8	−27.1	71.0	76.0	110.9
560	Y31G_100_075$_{de}$	0.75	1.0	0.25	1.0	0.75	0.625	109	0.62	1.0	0.25	76.6	−22.5	49.5	54.4	114.4	0.373	0.0	0.727	0.0	120	0.493	1.0	0.0	70.3	−30.0	66.1	72.6	114.4
561	Y38G_100_062$_{de}$	0.75	1.0	0.375	1.0	0.625	0.687	113	0.633	1.0	0.375	77.8	−21.2	38.0	43.5	119.1	0.362	0.0	0.606	0.0	125	0.414	1.0	0.0	67.2	−33.9	60.9	69.7	119.1
562	Y50G_100_050$_{de}$	0.75	1.0	0.5	1.0	0.5	0.75	120	0.661	1.0	0.5	79.1	−20.4	26.9	33.8	127.2	0.371	0.0	0.498	0.0	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
563	Y68G_100_037$_{de}$	0.75	1.0	0.625	1.0	0.375	0.812	131	0.694	1.0	0.625	80.9	−19.1	15.9	24.9	140.0	0.378	0.0	0.376	0.0	139	0.184	1.0	0.0	56.4	−50.9	42.6	66.4	140.0
564	G00B_100_025$_{de}$	0.75	1.0	0.75	1.0	0.25	0.875	150	0.75	1.0	0.787	84.3	−15.5	4.9	16.3	162.2	0.34	0.0	0.25	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
565	G25B_100_025$_{de}$	0.75	1.0	0.875	1.0	0.25	0.875	180	0.75	1.0	0.875	84.9	−12.1	−2.0	12.3	189.6	0.332	0.0	0.135	0.0	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
566	G50B_100_025$_{de}$	0.75	1.0	1.0	1.0	0.25	0.875	210	0.75	1.0	0.936	85.4	−9.0	−6.8	11.3	216.9	0.318	0.0	0.06	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9

Mean color difference of this page: **delta**

TUB-test chart QE48; hue code: H*$_e$=Y25G$_e$
colors and differences, $\Delta E'$*

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

1−1132531−F0

QE48 11L

see similar files: http://130.149.60.45/~farbmetrik/QE48/QE48.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE48/QE48L0FA.TXT /.PS
application for measurement of offset print output, separation cmy0* (CMY0)

TUB material: code=rha4ta

n	HIC*$_{Fde}$	*rgb*$_{Fde}$			*ict*$_{Fde}$			h_{si_Fde}	*rgb**$_{Fde}$			*LabCh**$_{Fde}$				*cmyn**$_{sep,Fde}$				$h_{siM,de}$	*rgb**$_{Mde}$			*LabCh**$_{Mde}$				
567	R00Y_087_087$_{de}$	0.875	0.0	0.0	0.875	0.875	0.437	390	0.875	0.0	0.222	42.9	63.1	30.1	70.0	25.4	0.173	0.986	0.785	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
568	R36Y_087_087$_{de}$	0.875	0.0	0.125	0.875	0.875	0.437	382	0.875	0.0	0.424	43.2	64.8	19.2	67.6	16.5	0.175	0.983	0.578	0.0	360	1.0	0.0	0.485	45.8	74.1	22.0	77.3	16.5
569	R23Y_087_087$_{de}$	0.875	0.0	0.25	0.875	0.875	0.437	374	0.875	0.0	0.627	43.2	67.2	9.0	67.8	7.6	0.175	0.986	0.402	0.0	345	1.0	0.0	0.716	45.9	76.8	10.3	77.5	7.6
570	R08Y_087_087$_{de}$	0.875	0.0	0.375	0.875	0.875	0.437	365	0.809	0.0	0.875	42.4	67.2	−2.7	67.3	357.6	0.236	0.981	0.166	0.0	326	0.925	0.0	1.0	45.0	76.8	−3.1	76.9	357.6
571	B70R_087_087$_{de}$	0.875	0.0	0.5	0.875	0.875	0.437	355	0.65	0.0	0.875	39.4	61.8	−8.3	62.4	352.3	0.368	0.971	0.145	0.0	315	0.742	0.0	1.0	41.6	70.7	−9.5	71.3	352.3
572	B63R_087_087$_{de}$	0.875	0.0	0.625	0.875	0.875	0.437	346	0.485	0.0	0.875	35.1	54.0	−15.7	56.2	343.7	0.529	0.996	0.16	0.0	303	0.554	0.0	1.0	36.6	61.7	−17.9	64.2	343.7
573	B56R_087_087$_{de}$	0.875	0.0	0.75	0.875	0.875	0.437	338	0.371	0.0	0.875	32.7	47.7	−21.0	52.2	336.1	0.63	0.99	0.142	0.0	295	0.424	0.0	1.0	33.8	54.5	−24.0	59.6	336.1
574	B50R_087_087$_{de}$	0.875	0.0	0.875	0.875	0.875	0.437	330	0.281	0.0	0.875	30.2	41.8	−25.5	48.9	328.6	0.706	0.99	0.133	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
575	B44R_100_100$_{de}$	0.875	0.0	1.0	1.0	1.0	0.5	323	0.246	0.0	1.0	28.8	41.8	−32.7	53.1	321.9	0.752	1.0	0.0	0.0	283	0.246	0.0	1.0	28.8	41.8	−32.7	53.1	321.9
576	R13Y_087_087$_{de}$	0.875	0.125	0.0	0.875	0.875	0.437	38	0.875	0.038	0.0	43.9	59.5	40.7	72.2	34.3	0.171	0.947	1.0	0.0	32	1.0	0.044	0.0	46.6	68.0	46.6	82.5	34.3
577	R00Y_087_075$_{de}$	0.875	0.125	0.125	0.875	0.75	0.5	390	0.875	0.125	0.316	49.2	54.1	25.8	60.0	25.4	0.138	0.847	0.628	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
578	R35Y_087_075$_{de}$	0.875	0.125	0.25	0.875	0.75	0.5	381	0.875	0.125	0.509	49.4	55.7	15.4	57.8	15.4	0.142	0.847	0.472	0.0	359	1.0	0.0	0.512	45.9	74.3	20.5	77.1	15.4
579	R18Y_087_075$_{de}$	0.875	0.125	0.375	0.875	0.75	0.5	371	0.875	0.125	0.745	49.4	58.4	4.4	58.5	4.3	0.147	0.854	0.286	0.0	339	1.0	0.0	0.827	45.9	77.8	5.8	78.1	4.3
580	R00Y_087_075$_{de}$	0.875	0.125	0.5	0.875	0.75	0.5	360	0.677	0.125	0.875	46.0	52.8	−7.3	53.3	352.0	0.321	0.842	0.143	0.0	315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
581	B65R_087_075$_{de}$	0.875	0.125	0.625	0.875	0.75	0.5	349	0.577	0.125	0.875	43.2	48.2	−11.4	49.5	346.6	0.423	0.844	0.146	0.0	306	0.603	0.0	1.0	37.6	64.3	−15.3	66.1	346.6
582	B57R_087_075$_{de}$	0.875	0.125	0.75	0.875	0.75	0.5	339	0.455	0.125	0.875	40.7	41.6	−17.5	45.1	337.1	0.537	0.843	0.128	0.0	296	0.44	0.0	1.0	34.2	55.4	−23.3	60.2	337.1
583	B50R_087_075$_{de}$	0.875	0.125	0.875	0.875	0.75	0.5	330	0.366	0.125	0.875	38.3	35.8	−21.8	41.9	328.6	0.635	0.836	0.122	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
584	B43R_100_087$_{de}$	0.875	0.125	1.0	1.0	0.875	0.562	322	0.326	0.125	1.0	37.1	35.9	−29.0	46.2	321.0	0.675	0.836	0.0	0.0	282	0.23	0.0	1.0	28.7	41.0	−33.2	52.8	321.0
585	R26Y_087_087$_{de}$	0.875	0.25	0.0	0.875	0.875	0.437	46	0.875	0.173	0.0	48.3	49.4	46.5	67.9	43.3	0.169	0.814	1.0	0.0	40	1.0	0.198	0.0	51.7	56.5	53.2	77.6	43.3
586	R15Y_087_075$_{de}$	0.875	0.25	0.125	0.875	0.75	0.5	39	0.875	0.176	0.125	50.5	49.9	35.6	61.3	35.5	0.135	0.809	0.778	0.0	33	1.0	0.068	0.0	47.3	66.5	47.4	81.7	35.5
587	R00Y_087_062$_{de}$	0.875	0.25	0.25	0.875	0.625	0.562	390	0.875	0.25	0.409	55.4	45.1	21.5	50.0	25.4	0.11	0.733	0.509	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
588	R31Y_087_062$_{de}$	0.875	0.25	0.375	0.875	0.625	0.562	379	0.875	0.25	0.606	55.6	46.9	11.0	48.2	13.2	0.119	0.739	0.372	0.0	355	1.0	0.0	0.57	45.9	75.0	17.6	77.1	13.2
589	R11Y_087_062$_{de}$	0.875	0.25	0.5	0.875	0.625	0.562	367	0.875	0.25	0.874	55.7	49.5	−0.1	49.5	359.8	0.128	0.749	0.163	0.0	330	1.0	0.0	0.999	46.1	79.3	−0.1	79.3	359.8
590	B69R_087_062$_{de}$	0.875	0.25	0.625	0.875	0.625	0.562	353	0.682	0.25	0.875	52.0	42.8	−7.2	43.4	350.4	0.31	0.733	0.129	0.0	312	0.692	0.0	1.0	40.0	68.5	−11.5	69.4	350.4
591	B59R_087_062$_{de}$	0.875	0.25	0.75	0.875	0.625	0.562	341	0.546	0.25	0.875	48.8	35.7	−13.7	38.3	339.0	0.442	0.718	0.107	0.0	298	0.473	0.0	1.0	35.0	57.2	−21.9	61.3	339.0
592	B50R_087_062$_{de}$	0.875	0.25	0.875	0.875	0.625	0.562	330	0.451	0.25	0.875	46.4	29.8	−18.2	34.9	328.6	0.548	0.714	0.107	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
593	B42R_100_075$_{de}$	0.875	0.25	1.0	1.0	0.75	0.625	321	0.411	0.25	1.0	45.3	30.2	−25.3	39.4	320.0	0.597	0.714	0.0	0.0	281	0.214	0.0	1.0	28.6	40.3	−33.7	52.6	320.0
594	R41Y_087_087$_{de}$	0.875	0.375	0.0	0.875	0.875	0.437	55	0.875	0.288	0.0	53.0	39.0	52.4	65.4	53.3	0.165	0.699	1.0	0.0	48	1.0	0.329	0.0	57.1	44.6	59.9	74.7	53.3
595	R31Y_087_075$_{de}$	0.875	0.375	0.125	0.875	0.75	0.5	49	0.875	0.309	0.125	55.1	39.2	41.5	57.1	46.6	0.138	0.691	0.814	0.0	43	1.0	0.246	0.0	53.5	52.2	55.3	76.1	46.6
596	R18Y_087_062$_{de}$	0.875	0.375	0.25	0.875	0.625	0.562	41	0.875	0.322	0.25	57.3	39.6	30.6	50.1	37.7	0.108	0.682	0.63	0.0	36	1.0	0.115	0.0	48.6	63.4	49.1	80.2	37.7
597	R00Y_087_050$_{de}$	0.875	0.375	0.375	0.875	0.5	0.625	390	0.875	0.375	0.502	61.7	36.1	17.2	40.0	25.4	0.095	0.611	0.415	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
598	R26Y_087_050$_{de}$	0.875	0.375	0.5	0.875	0.5	0.625	376	0.875	0.375	0.703	61.9	38.0	6.6	38.6	9.8	0.106	0.618	0.27	0.0	349	1.0	0.0	0.657	46.0	76.1	13.2	77.2	9.8
599	R00Y_087_050$_{de}$	0.875	0.375	0.625	0.875	0.5	0.625	360	0.743	0.375	0.875	59.6	35.2	−4.9	35.5	352.0	0.246	0.616	0.12	0.0	315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
600	B61R_087_050$_{de}$	0.875	0.375	0.75	0.875	0.5	0.625	344	0.636	0.375	0.875	56.9	29.9	−9.8	31.5	341.8	0.346	0.586	0.101	0.0	301	0.522	0.0	1.0	36.0	59.9	−19.6	63.0	341.8
601	B50R_087_050$_{de}$	0.875	0.375	0.875	0.875	0.5	0.625	330	0.535	0.375	0.875	54.4	23.8	−14.5	27.9	328.6	0.461	0.579	0.099	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
602	B40R_100_062$_{de}$	0.875	0.375	1.0	1.0	0.625	0.687	319	0.489	0.375	1.0	53.5	24.2	−21.7	32.5	318.1	0.505	0.588	0.0	0.0	279	0.182	0.0	1.0	28.3	38.8	−34.7	52.1	318.1
603	R58Y_087_087$_{de}$	0.875	0.5	0.0	0.875	0.875	0.437	65	0.875	0.408	0.0	58.5	28.0	58.7	65.1	64.4	0.163	0.584	1.0	0.0	57	1.0	0.466	0.0	63.3	32.0	67.1	74.4	64.4
604	R50Y_087_075$_{de}$	0.875	0.5	0.125	0.875	0.75	0.5	60	0.875	0.423	0.125	60.1	28.7	47.5	55.5	58.8	0.139	0.572	0.837	0.0	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
605	R38Y_087_062$_{de}$	0.875	0.5	0.25	0.875	0.625	0.562	53	0.875	0.438	0.25	61.9	29.5	36.5	46.9	51.0	0.117	0.562	0.68	0.0	47	1.0	0.301	0.0	55.9	47.2	58.5	75.1	51.0
606	R23Y_087_050$_{de}$	0.875	0.5	0.375	0.875	0.5	0.625	44	0.875	0.458	0.375	64.1	29.6	25.8	39.3	41.0	0.096	0.544	0.517	0.0	38	1.0	0.166	0.0	50.5	59.2	51.6	78.6	41.0
607	R00Y_087_037$_{de}$	0.875	0.5	0.5	0.875	0.375	0.687	390	0.875	0.5	0.595	67.9	27.0	12.9	30.0	25.4	0.094	0.488	0.331	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
608	R18Y_087_037$_{de}$	0.875	0.5	0.625	0.875	0.375	0.687	371	0.875	0.5	0.81	68.0	29.2	2.2	29.2	4.3	0.111	0.498	0.176	0.0	339	1.0	0.0	0.827	45.9	77.8	5.8	78.1	4.3
609	B65R_087_037$_{de}$	0.875	0.5	0.75	0.875	0.375	0.687	349	0.726	0.5	0.875	64.9	24.1	−5.7	24.7	346.6	0.269	0.487	0.113	0.0	306	0.603	0.0	1.0	37.6	64.3	−15.3	66.1	346.6
610	B50R_087_037$_{de}$	0.875	0.5	0.875	0.875	0.375	0.687	330	0.62	0.5	0.875	62.5	17.9	−10.9	20.9	328.6	0.376	0.444	0.091	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
611	B38R_100_050$_{de}$	0.875	0.5	1.0	1.0	0.5	0.75	316	0.567	0.5	1.0	61.8	18.2	−18.0	25.7	315.3	0.422	0.449	0.0	0.0	277	0.135	0.0	1.0	27.9	36.5	−36.1	51.4	315.3
612	R73Y_087_087$_{de}$	0.875	0.625	0.0	0.875	0.875	0.437	74	0.875	0.507	0.0	63.8	18.0	65.0	67.5	74.4	0.157	0.481	1.0	0.0	65	1.0	0.579	0.0	69.5	20.6	74.3	77.1	74.4
613	R68Y_087_075$_{de}$	0.875	0.625	0.125	0.875	0.75	0.5	71	0.875	0.532	0.125	65.5	18.4	53.9	56.9	71.1	0.137	0.464	0.856	0.0	62	1.0	0.543	0.0	67.4	24.5	71.9	75.9	71.1
614	R61Y_087_062$_{de}$	0.875	0.625	0.25	0.875	0.625	0.562	67	0.875	0.558	0.25	67.3	18.4	42.7	46.5	66.6	0.125	0.446	0.711	0.0	59	1.0	0.494	0.0	64.6	29.4	68.4	74.5	66.6
615	R50Y_087_050$_{de}$	0.875	0.625	0.375	0.875	0.5	0.625	60	0.875	0.574	0.375	69.0	19.1	31.7	37.0	58.8	0.11	0.436	0.563	0.0	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
616	R31Y_087_037$_{de}$	0.875	0.625	0.5	0.875	0.375	0.687	49	0.875	0.592	0.5	70.9	19.6	20.7	28.5	46.6	0.101	0.425	0.419	0.0	43	1.0	0.246	0.0	53.5	52.2	55.3	76.1	46.6
617	R00Y_087_025$_{de}$	0.875	0.625	0.625	0.875	0.25	0.75	390	0.875	0.625	0.688	74.2	18.0	8.6	20.0	25.4	0.105	0.386	0.246	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
618	R00Y_087_025$_{de}$	0.875	0.625	0.75	0.875	0.25	0.75	360	0.809	0.625	0.875	73.1	17.6	−2.4	17.7	352.0	0.185	0.388	0.106	0.0	315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
619	B50R_087_025$_{de}$	0.875	0.625	0.875	0.875	0.25	0.75	330	0.705	0.625	0.875	70.5	11.9	−7.2	13.9	328.6	0.309	0.351	0.092	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
620	B34R_100_037$_{de}$	0.875	0.625	1.0	1.0	0.375	0.812	311	0.649	0.625	1.0	69.7	12.3	−14.4	19.0	310.5	0.352	0.343	0.0	0.0	273	0.064	0.0	1.0	26.5	32.9	−38.4	50.6	310.5
621	R86Y_087_087$_{de}$	0.875	0.75	0.0	0.875	0.875	0.437	82	0.875	0.615	0.0	69.3	8.2	71.3	71.7	83.4	0.152	0.376	1.0	0.0	73	1.0	0.703	0.0	75.7	9.4	81.4	82.0	83.4
622	R85Y_087_075$_{de}$	0.875	0.75	0.125	0.875	0.75	0.5	81	0.875	0.638	0.125	71.1	8.1	60.3	60.9	82.2	0.134	0.356	0.864	0.0	72	1.0	0.684	0.0	74.9	10.9	80.5	81.2	82.2
623	R81Y_087_062$_{de}$	0.875	0.75	0.25	0.875	0.625	0.562	79	0.875	0.655	0.25	72.7	8.5	49.0	49.8	80.0	0.123	0.346	0.734	0.0	69	1.0	0.648	0.0	73.2	13.7	78.4	79.6	80.0
624	R76Y_087_050$_{de}$	0.875	0.75	0.375	0.875	0.5	0.625	76	0.875	0.677	0.375	74.3	8.9	37.9	38.9	76.7	0.116	0.324	0.594	0.0	66	1.0	0.604	0.0	70.9	17.9	75.9	77.9	76.7
625	R68Y_087_037$_{de}$	0.875	0.75	0.5	0.875	0.375	0.687	71	0.875	0.703	0.5	76.1	9.2	26.9	28.4	71.1	0.113	0.303	0.464	0.0	62	1.0	0.543	0.0	67.4	24.5	71.9	75.9	71.1
626	R50Y_087_025$_{de}$	0.875	0.75	0.625	0.875	0.25	0.75	60	0.875	0.724	0.625	77.8	9.5	15.8	18.5	58.8	0.117	0.285	0.33	0.0	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
627	R00Y_087_012$_{de}$	0.875	0.75	0.75	0.875	0.125	0.812	390	0.875	0.75	0.781	80.4	9.0	4.3	10.0	25.4	0.131	0.248	0.167	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
628	B50R_087_012$_{de}$	0.875	0.75	0.875	0.875	0.125	0.812	330	0.79	0.75	0.875	78.6	5.9	−3.6	6.9	328.6	0.242	0.226	0.094	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
629	B25R_100_025$_{de}$	0.875	0.75	1.0	1.0	0.25	0.875	300	0.75	0.776	1.0	78.7	5.8	−10.0	11.6	300.1	0.274	0.211	0.008	0.0	264	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
630	Y00G_087_087$_{de}$	0.875	0.875	0.0	0.875	0.875	0.437	90	0.875	0.769	0.0	76.2	−3.1	79.1	79.1	92.3	0.149	0.196	0.998	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
631	Y00G_087_075$_{de}$	0.875	0.875	0.125	0.875	0.75	0.5	90	0.875	0.784	0.125	77.7	−2.7	67.8	67.8	92.3	0.132	0.194	0.875	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
632	Y00G_087_062$_{de}$	0.875	0.875	0.25	0.875	0.625	0.562	90	0.875	0.799	0.25	79.2	−2.2	56.5	56.5	92.3	0.119	0.183	0.752	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
633	Y00G_087_050$_{de}$	0.875	0.875	0.375	0.875	0.5	0.625	90	0.875	0.814	0.375	80.7	−1.8	45.2	45.2	92.3	0.112	0.173	0.624	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
634	Y00G_087_037$_{de}$	0.875	0.875	0.5	0.875	0.375	0.687	90	0.875	0.829	0.5	82.2	−1.3	33.9	33.9	92.3	0.115	0.161	0.506	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
635	Y00G_087_025$_{de}$	0.875	0.875	0.625	0.875	0.25	0.75	90	0.875	0.844	0.625	83.7	−0.9	22.6	22.6	92.3	0.122	0.145	0.384	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
636	Y00G_087_012$_{de}$	0.875	0.875	0.75	0.875	0.125	0.812	90	0.875	0.859	0.75	85.2	−0.4	11.3	11.3	92.3	0.135	0.127	0.249	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
637	NW_087$_{de}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.7	0.0	0.0	0.0	0.0	0.162	0.101	0.093	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
638	B00R_100_012$_{de}$	0.875	0.875	1.0	1.0	0.125	0.937	270	0.875	0.932	1.0	88.7	0.1	−5.0	5.0	271.7	0.156	0.07	0.008	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
639	Y11G_100_100$_{de}$	0.875	1.0	0.0	1.0	1.0	0.5	97	0.807	1.0	0.0	82.4	−15.9	86.2	87.6	100.4	0.194	0.0	1.0	0.0	100	0.807	1.0	0.0	82.4	−15.9	86.2	87.6	100.4
640	Y13G_100_087$_{de}$	0.875	1.0	0.125	1.0	0.875	0.562	98	0.788	1.0	0.125	82.8	−15.1	73.4	75.0	101.6	0.194	0.008	0.882	0.0	103	0.758	1.0	0.0	81.0	−17.2	83.9	85.7	101.6
641	Y15G_100_075$_{de}$	0.875	1.0	0.25	1.0	0.75	0.625	99	0.796	1.0	0.25	83.8	−14.0	61.7	63.3	102.7	0.184	0.012	0.767	0.0	105	0.729	1.0	0.0	79.8	−18.6	82.3	84.4	102.7
642	Y18G_100_062$_{de}$	0.875	1.0	0.375	1.0	0.625	0.687	101	0.799	1.0	0.375	84.4	−13.3	49.4	51.2	105.1	0.192	0.012	0.649	0.0	108	0.678	1.0	0.0	77.6	−21.4	79.1	82.0	105.1
643	Y23G_100_050$_{de}$	0.875	1.0	0.5	1.0	0.5	0.75	104	0.802	1.0	0.5	85.1	−12.5	37.1	39.2	108.6	0.202	0.011	0.532	0.0	113	0.605	1.0	0.0	74.5	−25.0	74.3	78.4	108.6
644	Y31G_100_037$_{de}$	0.875	1.0	0.625	1.0	0.375	0.812	109	0.81	1.0	0.625	86.1	−11.2	24.7	27.2	114.4	0.206	0.006	0.41	0.0	120	0.493	1.0	0.0	70.3	−30.0	66.1	72.6	114.4
645	Y50G_100_025$_{de}$	0.875	1.0	0.75	1.0	0.25	0.875	120	0.83	1.0	0.75	87.3	−10.2	13.4	16.9	127.2	0.221	0.0	0.285	0.0	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
646	G00B_100_012$_{de}$	0.875	1.0	0.875	1.0	0.125	0.937	150	0.875	1.0	0.893	90.0	−7.7	2.4	8.1	162.2	0.197	0.0	0.125	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
647	G50B_100_012$_{de}$	0.875	1.0	1.0	1.0	0.125	0.937	210	0.875	1.0	0.968	90.5	−4.5	−3.4	5.6	216.9	0.178	0.0	0.032	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9

Mean color difference of this page: **delta**

TUB-test chart QE48; hue code: H*$_e$=Y25G$_e$
colors and differences, $\Delta E'$*

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

TUB registration: 20130201-QE48/QE48L0FA.TXT /.PS
TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0* (CMY0)

http://130.149.60.45/~farbmetrik/QE48/QE48L0FA.TXT /.PS; 3D-linearization
F: 3D-linearization QE48/QE48LE30FA.DAT in file (F), page 28/33

n	HIC*$_{Fde}$	*rgb*$_{\_Fde}$			*ict*$_{\_Fde}$			$h_{si\_F,de}$	*rgb**$_{Fde}$			*LabCh**$_{Fde}$					*cmyn**$_{sep,Fde}$				$h_{siM,de}$	*rgb**$_{Mde}$			*LabCh**$_{Mde}$				
648	R00Y_100_100$_{de}$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4	0.0	1.0	0.744	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
649	R38Y_100_100$_{de}$	1.0	0.0	0.125	1.0	1.0	0.5	383	1.0	0.0	0.458	45.8	73.8	23.5	77.5	17.6	0.0	1.0	0.538	0.0	362	1.0	0.0	0.458	45.8	73.8	23.5	77.5	17.6
650	R26Y_100_100$_{de}$	1.0	0.0	0.25	1.0	1.0	0.5	376	1.0	0.0	0.657	46.0	76.1	13.2	77.2	9.8	0.0	1.0	0.343	0.0	349	1.0	0.0	0.657	46.0	76.1	13.2	77.2	9.8
651	R13Y_100_100$_{de}$	1.0	0.0	0.375	1.0	1.0	0.5	368	1.0	0.0	0.955	46.0	78.9	1.3	78.9	0.9	0.0	1.0	0.044	0.0	332	1.0	0.0	0.955	46.0	78.9	1.3	78.9	0.9
652	R00Y_100_100$_{de}$	1.0	0.0	0.5	1.0	1.0	0.5	360	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0	0.264	1.0	0.0	0.0	315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
653	B68R_100_100$_{de}$	1.0	0.0	0.625	1.0	1.0	0.5	352	0.666	0.0	1.0	39.3	67.3	−12.5	68.5	349.4	0.334	1.0	0.0	0.0	310	0.666	0.0	1.0	39.3	67.3	−12.5	68.5	349.4
654	B61R_100_100$_{de}$	1.0	0.0	0.75	1.0	1.0	0.5	344	0.522	0.0	1.0	36.0	59.9	−19.6	63.0	341.8	0.475	0.999	0.0	0.0	301	0.522	0.0	1.0	36.0	59.9	−19.6	63.0	341.8
655	B55R_100_100$_{de}$	1.0	0.0	0.875	1.0	1.0	0.5	337	0.407	0.0	1.0	33.5	53.6	−24.7	59.1	335.2	0.59	0.999	0.0	0.0	293	0.407	0.0	1.0	33.5	53.6	−24.7	59.1	335.2
656	B50R_100_100$_{de}$	1.0	0.0	1.0	1.0	1.0	0.5	330	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6	0.677	0.999	0.0	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
657	R11Y_100_100$_{de}$	1.0	0.125	0.0	1.0	1.0	0.5	37	1.0	0.02	0.0	46.0	69.6	45.6	83.2	33.2	0.0	0.979	1.0	0.0	31	1.0	0.02	0.0	46.0	69.6	45.6	83.2	33.2
658	R00Y_100_087$_{de}$	1.0	0.125	0.125	1.0	0.875	0.562	390	1.0	0.125	0.347	51.9	63.1	30.1	70.0	25.4	0.0	0.875	0.625	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
659	R36Y_100_087$_{de}$	1.0	0.125	0.25	1.0	0.875	0.562	382	1.0	0.125	0.549	52.1	64.8	19.2	67.6	16.5	0.0	0.852	0.422	0.0	360	1.0	0.0	0.485	45.8	74.1	22.0	77.3	16.5
660	R23Y_100_087$_{de}$	1.0	0.125	0.375	1.0	0.875	0.562	374	1.0	0.125	0.752	52.1	67.2	9.0	67.8	7.6	0.0	0.874	0.254	0.0	345	1.0	0.0	0.716	45.9	76.8	10.3	77.5	7.6
661	R08Y_100_087$_{de}$	1.0	0.125	0.5	1.0	0.875	0.562	365	0.934	0.125	1.0	51.3	67.2	−2.7	67.3	357.6	0.028	0.867	0.015	0.0	326	0.925	0.0	1.0	45.0	76.8	−3.1	76.9	357.6
662	B70R_100_087$_{de}$	1.0	0.125	0.625	1.0	0.875	0.562	355	0.775	0.125	1.0	48.3	61.8	−8.3	62.4	352.3	0.194	0.871	0.009	0.0	315	0.742	0.0	1.0	41.6	70.7	−9.5	71.3	352.3
663	B63R_100_087$_{de}$	1.0	0.125	0.75	1.0	0.875	0.562	346	0.61	0.125	1.0	44.0	54.0	−15.7	56.2	343.7	0.379	0.852	0.0	0.0	303	0.554	0.0	1.0	36.6	61.7	−17.9	64.2	343.7
664	B56R_100_087$_{de}$	1.0	0.125	0.875	1.0	0.875	0.562	338	0.496	0.125	1.0	41.6	47.7	−21.0	52.2	336.1	0.483	0.856	0.0	0.0	295	0.424	0.0	1.0	33.8	54.5	−24.0	59.6	336.1
665	B50R_100_087$_{de}$	1.0	0.125	1.0	1.0	0.875	0.562	330	0.406	0.125	1.0	39.1	41.8	−25.5	48.9	328.6	0.587	0.848	0.0	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
666	R23Y_100_100$_{de}$	1.0	0.25	0.0	1.0	1.0	0.5	44	1.0	0.166	0.0	50.5	59.2	51.6	78.6	41.0	0.0	0.832	1.0	0.0	38	1.0	0.166	0.0	50.5	59.2	51.6	78.6	41.0
667	R13Y_100_087$_{de}$	1.0	0.25	0.125	1.0	0.875	0.562	38	1.0	0.163	0.125	52.8	59.5	40.7	72.2	34.3	0.0	0.817	0.759	0.0	32	1.0	0.044	0.0	46.6	68.0	46.6	82.5	34.3
668	R00Y_100_075$_{de}$	1.0	0.25	0.25	1.0	0.75	0.625	390	1.0	0.25	0.441	58.1	54.1	25.8	60.0	25.4	0.0	0.75	0.5	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
669	R35Y_100_075$_{de}$	1.0	0.25	0.375	1.0	0.75	0.625	381	1.0	0.25	0.634	58.3	55.7	15.4	57.8	15.4	0.0	0.75	0.375	0.0	359	1.0	0.0	0.512	45.9	74.3	20.5	77.1	15.4
670	R18Y_100_075$_{de}$	1.0	0.25	0.5	1.0	0.75	0.625	371	1.0	0.25	0.87	58.3	58.4	4.4	58.5	4.3	0.0	0.75	0.141	0.0	339	1.0	0.0	0.827	45.9	77.8	5.8	78.1	4.3
671	R00Y_100_075$_{de}$	1.0	0.25	0.625	1.0	0.75	0.625	360	0.802	0.25	1.0	54.9	52.8	−7.3	53.3	352.0	0.15	0.767	0.006	0.0	315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
672	B65R_100_075$_{de}$	1.0	0.25	0.75	1.0	0.75	0.625	349	0.702	0.25	1.0	52.1	48.2	−11.4	49.5	346.6	0.274	0.762	0.006	0.0	306	0.603	0.0	1.0	37.6	64.3	−15.3	66.1	346.6
673	B57R_100_075$_{de}$	1.0	0.25	0.875	1.0	0.75	0.625	339	0.58	0.25	1.0	49.6	41.6	−17.5	45.1	337.1	0.391	0.73	0.0	0.0	296	0.44	0.0	1.0	34.2	55.4	−23.3	60.2	337.1
674	B50R_100_075$_{de}$	1.0	0.25	1.0	1.0	0.75	0.625	330	0.491	0.25	1.0	47.2	35.8	−21.8	41.9	328.6	0.498	0.735	0.0	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
675	R36Y_100_100$_{de}$	1.0	0.375	0.0	1.0	1.0	0.5	52	1.0	0.288	0.0	55.3	48.4	57.7	75.4	49.9	0.0	0.71	1.0	0.0	46	1.0	0.288	0.0	55.3	48.4	57.7	75.4	49.9
676	R26Y_100_087$_{de}$	1.0	0.375	0.125	1.0	0.875	0.562	46	1.0	0.298	0.125	57.2	49.4	46.5	67.9	43.3	0.0	0.702	0.797	0.0	40	1.0	0.198	0.0	51.7	56.5	53.2	77.6	43.3
677	R15Y_100_075$_{de}$	1.0	0.375	0.25	1.0	0.75	0.625	39	1.0	0.301	0.25	59.4	49.9	35.6	61.3	35.5	0.0	0.691	0.623	0.0	33	1.0	0.068	0.0	47.3	66.5	47.4	81.7	35.5
678	R00Y_100_062$_{de}$	1.0	0.375	0.375	1.0	0.625	0.687	390	1.0	0.375	0.534	64.3	45.1	21.5	50.0	25.4	0.0	0.625	0.375	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
679	R31Y_100_062$_{de}$	1.0	0.375	0.5	1.0	0.625	0.687	379	1.0	0.375	0.731	64.5	46.9	11.0	48.2	13.2	0.0	0.625	0.25	0.0	355	1.0	0.0	0.57	45.9	75.0	17.6	77.1	13.2
680	R11Y_100_062$_{de}$	1.0	0.375	0.625	1.0	0.625	0.687	367	1.0	0.375	0.999	64.6	49.5	−0.1	49.5	359.8	0.0	0.639	0.029	0.0	330	1.0	0.0	0.999	46.1	79.3	−0.1	79.3	359.8
681	B69R_100_062$_{de}$	1.0	0.375	0.75	1.0	0.625	0.687	353	0.807	0.375	1.0	60.9	42.8	−7.2	43.4	350.4	0.141	0.656	0.008	0.0	312	0.692	0.0	1.0	40.0	68.5	−11.5	69.4	350.4
682	B59R_100_062$_{de}$	1.0	0.375	0.875	1.0	0.625	0.687	341	0.671	0.375	1.0	57.7	35.7	−13.7	38.3	339.0	0.299	0.626	0.0	0.0	298	0.473	0.0	1.0	35.0	57.2	−21.9	61.3	339.0
683	B50R_100_062$_{de}$	1.0	0.375	1.0	1.0	0.625	0.687	330	0.576	0.375	1.0	55.3	29.8	−18.2	34.9	328.6	0.401	0.592	0.0	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
684	R50Y_100_100$_{de}$	1.0	0.5	0.0	1.0	1.0	0.5	60	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8	0.0	0.6	1.0	0.0	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
685	R41Y_100_087$_{de}$	1.0	0.5	0.125	1.0	0.875	0.562	55	1.0	0.413	0.125	61.9	39.0	52.4	65.4	53.3	0.0	0.577	0.823	0.0	48	1.0	0.329	0.0	57.1	44.6	59.9	74.7	53.3
686	R31Y_100_075$_{de}$	1.0	0.5	0.25	1.0	0.75	0.625	49	1.0	0.434	0.25	64.0	39.2	41.5	57.1	46.6	0.0	0.569	0.649	0.0	43	1.0	0.246	0.0	53.5	52.2	55.3	76.1	46.6
687	R18Y_100_062$_{de}$	1.0	0.5	0.375	1.0	0.625	0.687	41	1.0	0.447	0.375	66.2	39.6	30.6	50.1	37.7	0.0	0.561	0.498	0.0	36	1.0	0.115	0.0	48.6	63.4	49.1	80.2	37.7
688	R00Y_100_050$_{de}$	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.627	70.6	36.1	17.2	40.0	25.4	0.0	0.498	0.295	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
689	R26Y_100_050$_{de}$	1.0	0.5	0.625	1.0	0.5	0.75	376	1.0	0.5	0.828	70.8	38.0	6.6	38.6	9.8	0.0	0.508	0.152	0.0	349	1.0	0.0	0.657	46.0	76.1	13.2	77.2	9.8
690	R00Y_100_050$_{de}$	1.0	0.5	0.75	1.0	0.5	0.75	360	0.868	0.5	1.0	68.5	35.2	−4.9	35.5	352.0	0.061	0.526	0.009	0.0	315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
691	B61R_100_050$_{de}$	1.0	0.5	0.875	1.0	0.5	0.75	344	0.761	0.5	1.0	65.8	29.9	−9.8	31.5	341.8	0.209	0.519	0.0	0.0	301	0.522	0.0	1.0	36.0	59.9	−19.6	63.0	341.8
692	B50R_100_050$_{de}$	1.0	0.5	1.0	1.0	0.5	0.75	330	0.66	0.5	1.0	63.3	23.8	−14.5	27.9	328.6	0.326	0.478	0.0	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
693	R63Y_100_100$_{de}$	1.0	0.625	0.0	1.0	1.0	0.5	68	1.0	0.506	0.0	65.3	28.2	69.2	74.7	67.8	0.0	0.491	1.0	0.0	60	1.0	0.506	0.0	65.3	28.2	69.2	74.7	67.8
694	R58Y_100_087$_{de}$	1.0	0.625	0.125	1.0	0.875	0.562	65	1.0	0.533	0.125	67.4	28.0	58.7	65.1	64.4	0.0	0.468	0.839	0.0	57	1.0	0.466	0.0	63.3	32.0	67.1	74.4	64.4
695	R50Y_100_075$_{de}$	1.0	0.625	0.25	1.0	0.75	0.625	60	1.0	0.548	0.25	69.0	28.7	47.5	55.5	58.8	0.0	0.461	0.686	0.0	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
696	R38Y_100_062$_{de}$	1.0	0.625	0.375	1.0	0.625	0.687	53	1.0	0.563	0.375	70.8	29.5	36.5	46.9	51.0	0.0	0.459	0.542	0.0	47	1.0	0.301	0.0	55.9	47.2	58.5	75.1	51.0
697	R23Y_100_050$_{de}$	1.0	0.625	0.5	1.0	0.5	0.75	44	1.0	0.583	0.5	73.0	29.6	25.8	39.3	41.0	0.0	0.447	0.405	0.0	38	1.0	0.166	0.0	50.5	59.2	51.6	78.6	41.0
698	R00Y_100_037$_{de}$	1.0	0.625	0.625	1.0	0.375	0.812	390	1.0	0.625	0.72	76.8	27.0	12.9	30.0	25.4	0.0	0.4	0.25	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
699	R18Y_100_037$_{de}$	1.0	0.625	0.75	1.0	0.375	0.812	371	1.0	0.625	0.935	77.0	29.2	2.2	29.2	4.3	0.0	0.414	0.064	0.0	339	1.0	0.0	0.827	45.9	77.8	5.8	78.1	4.3
700	B65R_100_037$_{de}$	1.0	0.625	0.875	1.0	0.375	0.812	349	0.851	0.625	1.0	73.8	24.1	−5.7	24.7	346.6	0.112	0.419	0.01	0.0	306	0.603	0.0	1.0	37.6	64.3	−15.3	66.1	346.6
701	B50R_100_037$_{de}$	1.0	0.625	1.0	1.0	0.375	0.812	330	0.745	0.625	1.0	71.4	17.9	−10.9	20.9	328.6	0.256	0.396	0.0	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
702	R76Y_100_100$_{de}$	1.0	0.75	0.0	1.0	1.0	0.5	76	1.0	0.604	0.0	70.9	17.9	75.9	77.9	76.7	0.0	0.397	1.0	0.0	66	1.0	0.604	0.0	70.9	17.9	75.9	77.9	76.7
703	R73Y_100_087$_{de}$	1.0	0.75	0.125	1.0	0.875	0.562	74	1.0	0.632	0.125	72.7	18.0	65.0	67.5	74.4	0.0	0.39	0.874	0.0	65	1.0	0.579	0.0	69.5	20.6	74.3	77.1	74.4
704	R68Y_100_075$_{de}$	1.0	0.75	0.25	1.0	0.75	0.625	71	1.0	0.657	0.25	74.4	18.4	53.9	56.9	71.1	0.0	0.375	0.75	0.0	62	1.0	0.543	0.0	67.4	24.5	71.9	75.9	71.1
705	R61Y_100_062$_{de}$	1.0	0.75	0.375	1.0	0.625	0.687	67	1.0	0.683	0.375	76.2	18.4	42.7	46.5	66.6	0.0	0.375	0.625	0.0	59	1.0	0.494	0.0	64.6	29.4	68.4	74.5	66.6
706	R50Y_100_050$_{de}$	1.0	0.75	0.5	1.0	0.5	0.75	60	1.0	0.699	0.5	77.9	19.1	31.7	37.0	58.8	0.0	0.375	0.5	0.0	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
707	R31Y_100_037$_{de}$	1.0	0.75	0.625	1.0	0.375	0.812	49	1.0	0.717	0.625	79.8	19.6	20.7	28.5	46.6	0.0	0.375	0.375	0.0	43	1.0	0.246	0.0	53.5	52.2	55.3	76.1	46.6
708	R00Y_100_025$_{de}$	1.0	0.75	0.75	1.0	0.25	0.875	390	1.0	0.75	0.813	83.1	18.0	8.6	20.0	25.4	0.0	0.282	0.147	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
709	R00Y_100_025$_{de}$	1.0	0.75	0.875	1.0	0.25	0.875	360	0.934	0.75	1.0	82.0	17.6	−2.4	17.7	352.0	0.013	0.287	0.009	0.0	315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
710	B50R_100_025$_{de}$	1.0	0.75	1.0	1.0	0.25	0.875	330	0.83	0.75	1.0	79.5	11.9	−7.2	13.9	328.6	0.17	0.264	0.003	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
711	R88Y_100_100$_{de}$	1.0	0.875	0.0	1.0	1.0	0.5	83	1.0	0.721	0.0	76.6	7.9	82.4	82.8	84.5	0.0	0.28	1.0	0.0	74	1.0	0.721	0.0	76.6	7.9	82.4	82.8	84.5
712	R86Y_100_087$_{de}$	1.0	0.875	0.125	1.0	0.875	0.562	82	1.0	0.74	0.125	78.2	8.2	71.3	71.7	83.4	0.0	0.275	0.874	0.0	73	1.0	0.703	0.0	75.7	9.4	81.4	82.0	83.4
713	R85Y_100_075$_{de}$	1.0	0.875	0.25	1.0	0.75	0.625	81	1.0	0.763	0.25	80.0	8.1	60.3	60.9	82.2	0.0	0.257	0.749	0.0	72	1.0	0.684	0.0	74.9	10.9	80.5	81.2	82.2
714	R81Y_100_062$_{de}$	1.0	0.875	0.375	1.0	0.625	0.687	79	1.0	0.78	0.375	81.6	8.5	49.0	49.8	80.0	0.0	0.25	0.625	0.0	69	1.0	0.648	0.0	73.2	13.7	78.4	79.6	80.0
715	R76Y_100_050$_{de}$	1.0	0.875	0.5	1.0	0.5	0.75	76	1.0	0.802	0.5	83.2	8.9	37.9	38.9	76.7	0.0	0.222	0.498	0.0	66	1.0	0.604	0.0	70.9	17.9	75.9	77.9	76.7
716	R68Y_100_037$_{de}$	1.0	0.875	0.625	1.0	0.375	0.812	71	1.0	0.828	0.625	85.0	9.2	26.9	28.4	71.1	0.0	0.207	0.376	0.0	62	1.0	0.543	0.0	67.4	24.5	71.9	75.9	71.1
717	R50Y_100_025$_{de}$	1.0	0.875	0.75	1.0	0.25	0.875	60	1.0	0.849	0.75	86.7	9.5	15.8	18.5	58.8	0.0	0.192	0.25	0.0	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
718	R00Y_100_012$_{de}$	1.0	0.875	0.875	1.0	0.125	0.937	390	1.0	0.875	0.906	89.3	9.0	4.3	10.0	25.4	0.0	0.157	0.071	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
719	B50R_100_012$_{de}$	1.0	0.875	1.0	1.0	0.125	0.937	330	0.915	0.875	1.0	87.5	5.9	−3.6	6.9	328.6	0.085	0.144	0.007	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
720	Y00G_100_100$_{de}$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3	0.0	0.121	1.0	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
721	Y00G_100_087$_{de}$	1.0	1.0	0.125	1.0	0.875	0.562	90	1.0	0.894	0.125	85.1	−3.1	79.1	79.1	92.3	0.0	0.116	0.874	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
722	Y00G_100_075$_{de}$	1.0	1.0	0.25	1.0	0.75	0.625	90	1.0	0.909	0.25	86.6	−2.7	67.8	67.8	92.3	0.0	0.118	0.752	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
723	Y00G_100_062$_{de}$	1.0	1.0	0.375	1.0	0.625	0.687	90	1.0	0.924	0.375	88.1	−2.2	56.5	56.5	92.3	0.0	0.1	0.629	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
724	Y00G_100_050$_{de}$	1.0	1.0	0.5	1.0	0.5	0.75	90	1.0	0.939	0.5	89.6	−1.8	45.2	45.2	92.3	0.0	0.087	0.519	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
725	Y00G_100_037$_{de}$	1.0	1.0	0.625	1.0	0.375	0.812	90	1.0	0.954	0.625	91.1	−1.3	33.9	33.9	92.3	0.0	0.071	0.406	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
726	Y00G_100_025$_{de}$	1.0	1.0	0.75	1.0	0.25	0.875	90	1.0	0.969	0.75	92.6	−0.9	22.6	22.6	92.3	0.0	0.05	0.283	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
727	Y00G_100_012$_{de}$	1.0	1.0	0.875	1.0	0.125	0.937	90	1.0	0.984	0.875	94.1	−0.4	11.3	11.3	92.3	0.0	0.03	0.148	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
728	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0

Mean color difference of this page: **delta**

1−1132731−F0

QE480−7N, Page 28/33−F

TUB-test chart QE48; hue code: H^*_e=Y25G$_e$
colors and differences, $\Delta E'^*$

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

see similar files: http://130.149.60.45/~farbmetrik/QE48/QE48.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

see similar files: http://130.149.60.45/~farbmetrik/QE48/QE48.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE48/QE48L0FA.TXT /.PS
application for measurement of offset print output, separation cmy0* (CMY0)
TUB material: code=rha4ta

n	HIC*$_{Fde}$	*rgb*$_{Fde}$			*ict*$_{Fde}$			h_{si_Fde}	*rgb**$_{Fde}$			*LabCh**$_{Fde}$					*cmyn**$_{sep,Fde}$				$h_{siM,de}$	*rgb**$_{Mde}$			*LabCh**$_{Mde}$				
729	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
730	G50B_100_012$_{de}$	0.875	1.0	1.0	1.0	0.125	0.937	210	0.875	1.0	0.968	90.5	−4.5	−3.4	5.6	216.9	0.178	0.0	0.032	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
731	G50B_100_025$_{de}$	0.75	1.0	1.0	1.0	0.25	0.875	210	0.75	1.0	0.936	85.4	−9.0	−6.8	11.3	216.9	0.318	0.0	0.06	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
732	G50B_100_037$_{de}$	0.625	1.0	1.0	1.0	0.375	0.812	210	0.625	1.0	0.905	80.3	−13.5	−10.2	16.9	216.9	0.445	0.0	0.091	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
733	G50B_100_050$_{de}$	0.5	1.0	1.0	1.0	0.5	0.75	210	0.5	1.0	0.873	75.3	−18.1	−13.6	22.6	216.9	0.578	0.0	0.13	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
734	G50B_100_062$_{de}$	0.375	1.0	1.0	1.0	0.625	0.687	210	0.375	1.0	0.842	70.2	−22.6	−17.0	28.3	216.9	0.677	0.0	0.16	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
735	G50B_100_075$_{de}$	0.25	1.0	1.0	1.0	0.75	0.625	210	0.25	1.0	0.81	65.1	−27.1	−20.4	33.9	216.9	0.766	0.0	0.187	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
736	G50B_100_087$_{de}$	0.125	1.0	1.0	1.0	0.875	0.562	210	0.125	1.0	0.778	60.0	−31.6	−23.8	39.6	216.9	0.895	0.0	0.222	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
737	G50B_100_100$_{de}$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9	1.0	0.0	0.253	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
738	R00Y_100_012$_{de}$	1.0	0.875	0.875	1.0	0.125	0.937	390	1.0	0.875	0.906	89.3	9.0	4.3	10.0	25.4	0.0	0.157	0.071	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
739	NW_087$_{de}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.7	0.0	0.0	0.0	0.0	0.162	0.101	0.093	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
740	G50B_087_012$_{de}$	0.75	0.875	0.875	0.875	0.125	0.812	210	0.75	0.875	0.843	81.6	−4.5	−3.4	5.6	216.9	0.306	0.095	0.118	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
741	G50B_087_025$_{de}$	0.625	0.875	0.875	0.875	0.25	0.75	210	0.625	0.875	0.811	76.5	−9.0	−6.8	11.3	216.9	0.433	0.093	0.148	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
742	G50B_087_037$_{de}$	0.5	0.875	0.875	0.875	0.375	0.687	210	0.5	0.875	0.78	71.4	−13.5	−10.2	16.9	216.9	0.564	0.095	0.183	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
743	G50B_087_050$_{de}$	0.375	0.875	0.875	0.875	0.5	0.625	210	0.375	0.875	0.748	66.4	−18.1	−13.6	22.6	216.9	0.67	0.098	0.212	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
744	G50B_087_062$_{de}$	0.25	0.875	0.875	0.875	0.625	0.562	210	0.25	0.875	0.717	61.3	−22.6	−17.0	28.3	216.9	0.757	0.105	0.242	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
745	G50B_087_075$_{de}$	0.125	0.875	0.875	0.875	0.75	0.5	210	0.125	0.875	0.685	56.2	−27.1	−20.4	33.9	216.9	0.889	0.13	0.28	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
746	G50B_087_087$_{de}$	0.0	0.875	0.875	0.875	0.875	0.437	210	0.0	0.875	0.653	51.1	−31.6	−23.8	39.6	216.9	0.992	0.158	0.304	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
747	R00Y_100_025$_{de}$	1.0	0.75	0.75	1.0	0.25	0.875	390	1.0	0.75	0.813	83.1	18.0	8.6	20.0	25.4	0.0	0.282	0.147	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
748	R00Y_087_012$_{de}$	0.875	0.75	0.75	0.875	0.125	0.812	390	0.875	0.75	0.781	80.4	9.0	4.3	10.0	25.4	0.131	0.248	0.167	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
749	NW_075$_{de}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0	0.299	0.181	0.177	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
750	G50B_075_012$_{de}$	0.625	0.75	0.75	0.75	0.125	0.687	210	0.625	0.75	0.718	72.7	−4.5	−3.4	5.6	216.9	0.424	0.181	0.203	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
751	G50B_075_025$_{de}$	0.5	0.75	0.75	0.75	0.25	0.625	210	0.5	0.75	0.686	67.6	−9.0	−6.8	11.3	216.9	0.552	0.191	0.241	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
752	G50B_075_037$_{de}$	0.375	0.75	0.75	0.75	0.375	0.562	210	0.375	0.75	0.655	62.5	−13.5	−10.2	16.9	216.9	0.662	0.198	0.267	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
753	G50B_075_050$_{de}$	0.25	0.75	0.75	0.75	0.5	0.5	210	0.25	0.75	0.623	57.5	−18.1	−13.6	22.6	216.9	0.748	0.207	0.288	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
754	G50B_075_062$_{de}$	0.125	0.75	0.75	0.75	0.625	0.437	210	0.125	0.75	0.592	52.4	−22.6	−17.0	28.3	216.9	0.881	0.244	0.327	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
755	G50B_075_075$_{de}$	0.0	0.75	0.75	0.75	0.75	0.375	210	0.0	0.75	0.56	47.3	−27.1	−20.4	33.9	216.9	0.984	0.286	0.357	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
756	R00Y_100_037$_{de}$	1.0	0.625	0.625	1.0	0.375	0.812	390	1.0	0.625	0.72	76.8	27.0	12.9	30.0	25.4	0.0	0.4	0.25	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
757	R00Y_087_025$_{de}$	0.875	0.625	0.625	0.875	0.25	0.75	390	0.875	0.625	0.688	74.2	18.0	8.6	20.0	25.4	0.105	0.386	0.246	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
758	R00Y_075_012$_{de}$	0.75	0.625	0.625	0.75	0.125	0.687	390	0.75	0.625	0.656	71.5	9.0	4.3	10.0	25.4	0.28	0.335	0.255	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
759	NW_062$_{de}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.9	0.0	0.0	0.0	0.0	0.417	0.26	0.26	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
760	G50B_062_012$_{de}$	0.5	0.625	0.625	0.625	0.125	0.562	210	0.5	0.625	0.593	63.8	−4.5	−3.4	5.6	216.9	0.546	0.284	0.296	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
761	G50B_062_025$_{de}$	0.375	0.625	0.625	0.625	0.25	0.5	210	0.375	0.625	0.561	58.7	−9.0	−6.8	11.3	216.9	0.656	0.3	0.324	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
762	G50B_062_037$_{de}$	0.25	0.625	0.625	0.625	0.375	0.437	210	0.25	0.625	0.53	53.6	−13.5	−10.2	16.9	216.9	0.743	0.314	0.346	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
763	G50B_062_050$_{de}$	0.125	0.625	0.625	0.625	0.5	0.375	210	0.125	0.625	0.498	48.6	−18.1	−13.6	22.6	216.9	0.877	0.37	0.385	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
764	G50B_062_062$_{de}$	0.0	0.625	0.625	0.625	0.625	0.312	210	0.0	0.625	0.467	43.5	−22.6	−17.0	28.3	216.9	0.979	0.413	0.411	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
765	R00Y_100_050$_{de}$	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.627	70.6	36.1	17.2	40.0	25.4	0.0	0.498	0.295	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
766	R00Y_087_037$_{de}$	0.875	0.5	0.5	0.875	0.375	0.687	390	0.875	0.5	0.595	67.9	27.0	12.9	30.0	25.4	0.094	0.488	0.331	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
767	R00Y_075_025$_{de}$	0.75	0.5	0.5	0.75	0.25	0.625	390	0.75	0.5	0.563	65.3	18.0	8.6	20.0	25.4	0.269	0.457	0.339	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
768	R00Y_062_012$_{de}$	0.625	0.5	0.5	0.625	0.125	0.562	390	0.625	0.5	0.531	62.6	9.0	4.3	10.0	25.4	0.402	0.407	0.335	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
769	NW_050$_{de}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	60.0	0.0	0.0	0.0	0.0	0.54	0.382	0.356	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
770	G50B_050_012$_{de}$	0.375	0.5	0.5	0.5	0.125	0.437	210	0.375	0.5	0.468	54.9	−4.5	−3.4	5.6	216.9	0.652	0.395	0.382	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
771	G50B_050_025$_{de}$	0.25	0.5	0.5	0.5	0.25	0.375	210	0.249	0.5	0.436	49.8	−9.0	−6.8	11.3	216.9	0.739	0.413	0.406	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
772	G50B_050_037$_{de}$	0.125	0.5	0.5	0.5	0.375	0.312	210	0.124	0.5	0.405	44.7	−13.5	−10.2	16.9	216.9	0.874	0.465	0.454	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
773	G50B_050_050$_{de}$	0.0	0.5	0.5	0.5	0.5	0.25	210	0.0	0.5	0.373	39.7	−18.1	−13.6	22.6	216.9	0.974	0.514	0.479	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
774	R00Y_100_062$_{de}$	1.0	0.375	0.375	1.0	0.625	0.687	390	1.0	0.375	0.534	64.3	45.1	21.5	50.0	25.4	0.0	0.625	0.375	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
775	R00Y_087_050$_{de}$	0.875	0.375	0.375	0.875	0.5	0.625	390	0.875	0.375	0.502	61.7	36.1	17.2	40.0	25.4	0.095	0.611	0.415	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
776	R00Y_075_037$_{de}$	0.75	0.375	0.375	0.75	0.375	0.562	390	0.75	0.375	0.47	59.0	27.0	12.9	30.0	25.4	0.264	0.577	0.428	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
777	R00Y_062_025$_{de}$	0.625	0.375	0.375	0.625	0.25	0.5	390	0.625	0.375	0.438	56.4	18.0	8.6	20.0	25.4	0.398	0.522	0.423	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
778	R00Y_050_012$_{de}$	0.5	0.375	0.375	0.5	0.125	0.437	390	0.5	0.375	0.406	53.7	9.0	4.3	10.0	25.4	0.534	0.509	0.45	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
779	NW_037$_{de}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	51.0	0.0	0.0	0.0	0.0	0.653	0.473	0.452	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
780	G50B_037_012$_{de}$	0.25	0.375	0.375	0.375	0.125	0.312	210	0.249	0.375	0.343	46.0	−4.5	−3.4	5.6	216.9	0.738	0.494	0.476	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
781	G50B_037_025$_{de}$	0.125	0.375	0.375	0.375	0.25	0.25	210	0.124	0.375	0.311	40.9	−9.0	−6.8	11.3	216.9	0.874	0.571	0.533	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
782	G50B_037_037$_{de}$	0.0	0.375	0.375	0.375	0.375	0.187	210	0.0	0.375	0.28	35.8	−13.5	−10.2	16.9	216.9	0.975	0.633	0.555	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
783	R00Y_100_075$_{de}$	1.0	0.25	0.25	1.0	0.75	0.625	390	1.0	0.25	0.441	58.1	54.1	25.8	60.0	25.4	0.0	0.75	0.5	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
784	R00Y_087_062$_{de}$	0.875	0.25	0.25	0.875	0.625	0.562	390	0.875	0.25	0.409	55.4	45.1	21.5	50.0	25.4	0.11	0.733	0.509	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
785	R00Y_075_050$_{de}$	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.377	52.8	36.1	17.2	40.0	25.4	0.271	0.698	0.52	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
786	R00Y_062_037$_{de}$	0.625	0.25	0.25	0.625	0.375	0.437	390	0.625	0.25	0.345	50.1	27.0	12.9	30.0	25.4	0.401	0.657	0.522	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
787	R00Y_050_025$_{de}$	0.5	0.25	0.25	0.5	0.25	0.375	390	0.5	0.249	0.313	47.5	18.0	8.6	20.0	25.4	0.534	0.65	0.549	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
788	R00Y_037_012$_{de}$	0.375	0.25	0.25	0.375	0.125	0.312	390	0.375	0.249	0.281	44.8	9.0	4.3	10.0	25.4	0.651	0.62	0.55	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
789	NW_025$_{de}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	42.1	0.0	0.0	0.0	0.0	0.743	0.587	0.55	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
790	G50B_025_012$_{de}$	0.125	0.25	0.25	0.25	0.125	0.187	210	0.124	0.25	0.218	37.1	−4.5	−3.4	5.6	216.9	0.878	0.673	0.621	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
791	G50B_025_025$_{de}$	0.0	0.25	0.25	0.25	0.25	0.125	210	0.0	0.25	0.186	32.0	−9.0	−6.8	11.3	216.9	0.978	0.752	0.643	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
792	R00Y_100_087$_{de}$	1.0	0.125	0.125	1.0	0.875	0.562	390	1.0	0.125	0.347	51.9	63.1	30.1	70.0	25.4	0.0	0.875	0.625	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
793	R00Y_087_075$_{de}$	0.875	0.125	0.125	0.875	0.75	0.5	390	0.875	0.125	0.316	49.2	54.1	25.8	60.0	25.4	0.138	0.847	0.628	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
794	R00Y_075_062$_{de}$	0.75	0.125	0.125	0.75	0.625	0.437	390	0.75	0.125	0.284	46.5	45.1	21.5	50.0	25.4	0.288	0.815	0.63	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
795	R00Y_062_050$_{de}$	0.625	0.125	0.125	0.625	0.5	0.375	390	0.625	0.125	0.252	43.9	36.1	17.2	40.0	25.4	0.418	0.79	0.65	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
796	R00Y_050_037$_{de}$	0.5	0.125	0.125	0.5	0.375	0.312	390	0.5	0.124	0.22	41.2	27.0	12.9	30.0	25.4	0.545	0.784	0.677	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
797	R00Y_037_025$_{de}$	0.375	0.125	0.125	0.375	0.25	0.25	390	0.375	0.124	0.188	38.6	18.0	8.6	20.0	25.4	0.655	0.765	0.675	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
798	R00Y_025_012$_{de}$	0.25	0.125	0.125	0.25	0.125	0.187	390	0.25	0.124	0.156	35.9	9.0	4.3	10.0	25.4	0.746	0.753	0.692	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
799	NW_012$_{de}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	33.2	0.0	0.0	0.0	0.0	0.885	0.774	0.736	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
800	G50B_012_012$_{de}$	0.0	0.125	0.125	0.125	0.125	0.062	210	0.0	0.125	0.093	28.2	−4.5	−3.4	5.6	216.9	0.983	0.849	0.779	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
801	R00Y_100_100$_{de}$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4	0.0	1.0	0.744	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
802	R00Y_087_087$_{de}$	0.875	0.0	0.0	0.875	0.875	0.437	390	0.875	0.0	0.222	42.9	63.1	30.1	70.0	25.4	0.173	0.986	0.785	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
803	R00Y_075_075$_{de}$	0.75	0.0	0.0	0.75	0.75	0.375	390	0.75	0.0	0.191	40.3	54.1	25.8	60.0	25.4	0.317	0.955	0.803	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
804	R00Y_062_062$_{de}$	0.625	0.0	0.0	0.625	0.625	0.312	390	0.625	0.0	0.159	37.6	45.1	21.5	50.0	25.4	0.446	0.94	0.851	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
805	R00Y_050_050$_{de}$	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.127	35.0	36.1	17.2	40.0	25.4	0.567	0.932	0.871	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
806	R00Y_037_037$_{de}$	0.375	0.0	0.0	0.375	0.375	0.187	390	0.375	0.0	0.095	32.3	27.0	12.9	30.0	25.4	0.671	0.921	0.895	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
807	R00Y_025_025$_{de}$	0.25	0.0	0.0	0.25	0.25	0.125	390	0.25	0.0	0.063	29.6	18.0	8.6	20.0	25.4	0.767	0.924	0.963	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
808	R00Y_012_012$_{de}$	0.125	0.0	0.0	0.125	0.125	0.062	390	0.125	0.0	0.031	27.0	9.0	4.3	10.0	25.4	0.901	0.963	0.999	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
809	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0	1.0	1.0	1.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0

Mean color difference of this page: **delta**

n	HIC*$_{Fde}$	*rgb*$_{Fde}$			*ict*$_{Fde}$			h_{si_Fde}	*rgb**$_{Fde}$			*LabCh**$_{Fde}$					*cmyn**$_{sep,Fde}$				$h_{siM,de}$	*rgb**$_{Mde}$			*LabCh**$_{Mde}$				
810	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
811	B00R_100_012$_{de}$	0.875	0.875	1.0	1.0	0.125	0.937	270	0.875	0.932	1.0	88.7	0.1	−5.0	5.0	271.7	0.156	0.07	0.008	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
812	B00R_100_025$_{de}$	0.75	0.75	1.0	1.0	0.25	0.875	270	0.75	0.864	1.0	81.7	0.3	−10.1	10.1	271.7	0.289	0.133	0.009	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
813	B00R_100_037$_{de}$	0.625	0.625	1.0	1.0	0.375	0.812	270	0.625	0.796	1.0	74.8	0.4	−15.2	15.2	271.7	0.406	0.182	0.009	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
814	B00R_100_050$_{de}$	0.5	0.5	1.0	1.0	0.5	0.75	270	0.5	0.729	1.0	67.9	0.6	−20.3	20.3	271.7	0.53	0.252	0.01	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
815	B00R_100_062$_{de}$	0.375	0.375	1.0	1.0	0.625	0.687	270	0.375	0.661	1.0	61.0	0.7	−25.4	25.4	271.7	0.646	0.317	0.008	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
816	B00R_100_075$_{de}$	0.25	0.25	1.0	1.0	0.75	0.625	270	0.25	0.593	1.0	54.1	0.9	−30.5	30.5	271.7	0.73	0.377	0.004	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
817	B00R_100_087$_{de}$	0.125	0.125	1.0	1.0	0.875	0.562	270	0.125	0.525	1.0	47.1	1.0	−35.5	35.6	271.7	0.872	0.46	0.006	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
818	B00R_100_100$_{de}$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7	1.0	0.539	0.0	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
819	Y00G_100_012$_{de}$	1.0	1.0	0.875	1.0	0.125	0.937	90	1.0	0.984	0.875	94.1	−0.4	11.3	11.3	92.3	0.0	0.03	0.148	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
820	NW_087$_{de}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.7	0.0	0.0	0.0	0.0	0.162	0.101	0.093	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
821	B00R_087_012$_{de}$	0.75	0.75	0.875	0.875	0.125	0.812	270	0.75	0.807	0.875	79.7	0.1	−5.0	5.0	271.7	0.292	0.159	0.094	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
822	B00R_087_025$_{de}$	0.625	0.625	0.875	0.875	0.25	0.75	270	0.625	0.739	0.875	72.8	0.3	−10.1	10.1	271.7	0.408	0.21	0.093	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
823	B00R_087_037$_{de}$	0.5	0.5	0.875	0.875	0.375	0.687	270	0.5	0.671	0.875	65.9	0.4	−15.2	15.2	271.7	0.529	0.287	0.099	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
824	B00R_087_050$_{de}$	0.375	0.375	0.875	0.875	0.5	0.625	270	0.375	0.604	0.875	59.0	0.6	−20.3	20.3	271.7	0.645	0.361	0.099	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
825	B00R_087_062$_{de}$	0.25	0.25	0.875	0.875	0.625	0.562	270	0.25	0.536	0.875	52.1	0.7	−25.4	25.4	271.7	0.729	0.413	0.097	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
826	B00R_087_075$_{de}$	0.125	0.125	0.875	0.875	0.75	0.5	270	0.125	0.468	0.875	45.1	0.9	−30.5	30.5	271.7	0.867	0.501	0.105	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
827	B00R_087_087$_{de}$	0.0	0.0	0.875	0.875	0.875	0.437	270	0.0	0.4	0.875	38.2	1.0	−35.5	35.6	271.7	0.991	0.591	0.1	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
828	Y00G_100_025$_{de}$	1.0	1.0	0.75	1.0	0.25	0.875	90	1.0	0.969	0.75	92.6	−0.9	22.6	22.6	92.3	0.0	0.05	0.283	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
829	Y00G_087_012$_{de}$	0.875	0.875	0.75	0.875	0.125	0.812	90	0.875	0.859	0.75	85.2	−0.4	11.3	11.3	92.3	0.135	0.127	0.249	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
830	NW_075$_{de}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0	0.299	0.181	0.177	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
831	B00R_075_012$_{de}$	0.625	0.625	0.75	0.75	0.125	0.687	270	0.625	0.682	0.75	70.8	0.1	−5.0	5.0	271.7	0.412	0.236	0.176	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
832	B00R_075_025$_{de}$	0.5	0.5	0.75	0.75	0.25	0.625	270	0.5	0.614	0.75	63.9	0.3	−10.1	10.1	271.7	0.531	0.319	0.187	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
833	B00R_075_037$_{de}$	0.375	0.375	0.75	0.75	0.375	0.562	270	0.375	0.546	0.75	57.0	0.4	−15.2	15.2	271.7	0.645	0.394	0.192	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
834	B00R_075_050$_{de}$	0.25	0.25	0.75	0.75	0.5	0.5	270	0.25	0.479	0.75	50.1	0.6	−20.3	20.3	271.7	0.727	0.448	0.191	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
835	B00R_075_062$_{de}$	0.125	0.125	0.75	0.75	0.625	0.437	270	0.125	0.411	0.75	43.2	0.7	−25.4	25.4	271.7	0.863	0.548	0.204	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
836	B00R_075_075$_{de}$	0.0	0.0	0.75	0.75	0.75	0.375	270	0.0	0.343	0.75	36.2	0.9	−30.5	30.5	271.7	0.983	0.644	0.199	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
837	Y00G_100_037$_{de}$	1.0	1.0	0.625	1.0	0.375	0.812	90	1.0	0.954	0.625	91.1	−1.3	33.9	33.9	92.3	0.0	0.071	0.406	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
838	Y00G_087_025$_{de}$	0.875	0.875	0.625	0.875	0.25	0.75	90	0.875	0.844	0.625	83.7	−0.9	22.6	22.6	92.3	0.122	0.145	0.384	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
839	Y00G_075_012$_{de}$	0.75	0.75	0.625	0.75	0.125	0.687	90	0.75	0.734	0.625	76.3	−0.4	11.3	11.3	92.3	0.282	0.206	0.329	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
840	NW_062$_{de}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.9	0.0	0.0	0.0	0.0	0.417	0.26	0.26	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
841	B00R_062_012$_{de}$	0.5	0.5	0.625	0.625	0.125	0.562	270	0.5	0.557	0.625	61.9	0.1	−5.0	5.0	271.7	0.536	0.353	0.274	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
842	B00R_062_025$_{de}$	0.375	0.375	0.625	0.625	0.25	0.5	270	0.375	0.489	0.625	55.0	0.3	−10.1	10.1	271.7	0.645	0.421	0.282	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
843	B00R_062_037$_{de}$	0.25	0.25	0.625	0.625	0.375	0.437	270	0.25	0.421	0.625	48.1	0.4	−15.2	15.2	271.7	0.727	0.485	0.285	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
844	B00R_062_050$_{de}$	0.125	0.125	0.625	0.625	0.5	0.375	270	0.125	0.354	0.625	41.2	0.6	−20.3	20.3	271.7	0.86	0.592	0.3	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
845	B00R_062_062$_{de}$	0.0	0.0	0.625	0.625	0.625	0.312	270	0.0	0.286	0.625	34.3	0.7	−25.4	25.4	271.7	0.979	0.705	0.302	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
846	Y00G_100_050$_{de}$	1.0	1.0	0.5	1.0	0.5	0.75	90	1.0	0.939	0.5	89.6	−1.8	45.2	45.2	92.3	0.0	0.087	0.519	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
847	Y00G_087_037$_{de}$	0.875	0.875	0.5	0.875	0.375	0.687	90	0.875	0.829	0.5	82.2	−1.3	33.9	33.9	92.3	0.115	0.161	0.506	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
848	Y00G_075_025$_{de}$	0.75	0.75	0.5	0.75	0.25	0.625	90	0.75	0.719	0.5	74.8	−0.9	22.6	22.6	92.3	0.272	0.226	0.465	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
849	Y00G_062_012$_{de}$	0.625	0.625	0.5	0.625	0.125	0.562	90	0.625	0.609	0.5	67.4	−0.4	11.3	11.3	92.3	0.399	0.286	0.399	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
850	NW_050$_{de}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	60.0	0.0	0.0	0.0	0.0	0.54	0.382	0.356	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
851	B00R_050_012$_{de}$	0.375	0.375	0.5	0.5	0.125	0.437	270	0.375	0.432	0.5	53.0	0.1	−5.0	5.0	271.7	0.648	0.445	0.366	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
852	B00R_050_025$_{de}$	0.25	0.25	0.5	0.5	0.25	0.375	270	0.249	0.364	0.5	46.1	0.3	−10.1	10.1	271.7	0.731	0.519	0.371	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
853	B00R_050_037$_{de}$	0.125	0.125	0.5	0.5	0.375	0.312	270	0.124	0.296	0.5	39.2	0.4	−15.2	15.2	271.7	0.862	0.64	0.395	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
854	B00R_050_050$_{de}$	0.0	0.0	0.5	0.5	0.5	0.25	270	0.0	0.229	0.5	32.3	0.6	−20.3	20.3	271.7	0.977	0.758	0.404	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
855	Y00G_100_062$_{de}$	1.0	1.0	0.375	1.0	0.625	0.687	90	1.0	0.924	0.375	88.1	−2.2	56.5	56.5	92.3	0.0	0.1	0.629	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
856	Y00G_087_050$_{de}$	0.875	0.875	0.375	0.875	0.5	0.625	90	0.875	0.814	0.375	80.7	−1.8	45.2	45.2	92.3	0.112	0.173	0.624	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
857	Y00G_075_037$_{de}$	0.75	0.75	0.375	0.75	0.375	0.562	90	0.75	0.704	0.375	73.3	−1.3	33.9	33.9	92.3	0.267	0.24	0.591	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
858	Y00G_062_025$_{de}$	0.625	0.625	0.375	0.625	0.25	0.5	90	0.625	0.594	0.375	65.9	−0.9	22.6	22.6	92.3	0.388	0.306	0.532	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
859	Y00G_050_012$_{de}$	0.5	0.5	0.375	0.5	0.125	0.437	90	0.5	0.484	0.375	58.5	−0.4	11.3	11.3	92.3	0.524	0.403	0.506	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
860	NW_037$_{de}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	51.0	0.0	0.0	0.0	0.0	0.653	0.473	0.452	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
861	B00R_037_012$_{de}$	0.25	0.25	0.375	0.375	0.125	0.312	270	0.249	0.307	0.375	44.1	0.1	−5.0	5.0	271.7	0.736	0.55	0.46	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
862	B00R_037_025$_{de}$	0.125	0.125	0.375	0.375	0.25	0.25	270	0.124	0.239	0.375	37.2	0.3	−10.1	10.1	271.7	0.867	0.69	0.504	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
863	B00R_037_037$_{de}$	0.0	0.0	0.375	0.375	0.375	0.187	270	0.0	0.171	0.375	30.3	0.4	−15.2	15.2	271.7	0.976	0.807	0.511	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
864	Y00G_100_075$_{de}$	1.0	1.0	0.25	1.0	0.75	0.625	90	1.0	0.909	0.25	86.6	−2.7	67.8	67.8	92.3	0.0	0.118	0.752	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
865	Y00G_087_062$_{de}$	0.875	0.875	0.25	0.875	0.625	0.562	90	0.875	0.799	0.25	79.2	−2.2	56.5	56.5	92.3	0.119	0.183	0.752	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
866	Y00G_075_050$_{de}$	0.75	0.75	0.25	0.75	0.5	0.5	90	0.75	0.689	0.25	71.8	−1.8	45.2	45.2	92.3	0.268	0.252	0.724	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
867	Y00G_062_037$_{de}$	0.625	0.625	0.25	0.625	0.375	0.437	90	0.625	0.579	0.25	64.4	−1.3	33.9	33.9	92.3	0.387	0.322	0.668	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
868	Y00G_050_025$_{de}$	0.5	0.5	0.25	0.5	0.25	0.375	90	0.5	0.469	0.249	57.0	−0.9	22.6	22.6	92.3	0.519	0.421	0.655	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
869	Y00G_037_012$_{de}$	0.375	0.375	0.25	0.375	0.125	0.312	90	0.375	0.359	0.249	49.5	−0.4	11.3	11.3	92.3	0.644	0.497	0.607	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
870	NW_025$_{de}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	42.1	0.0	0.0	0.0	0.0	0.743	0.587	0.55	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
871	B00R_025_012$_{de}$	0.125	0.125	0.25	0.25	0.125	0.187	270	0.124	0.182	0.25	35.2	0.1	−5.0	5.0	271.7	0.877	0.732	0.61	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
872	B00R_025_025$_{de}$	0.0	0.0	0.25	0.25	0.25	0.125	270	0.0	0.114	0.25	28.3	0.3	−10.1	10.1	271.7	0.979	0.856	0.619	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
873	Y00G_100_087$_{de}$	1.0	1.0	0.125	1.0	0.875	0.562	90	1.0	0.894	0.125	85.1	−3.1	79.1	79.1	92.3	0.0	0.116	0.874	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
874	Y00G_087_075$_{de}$	0.875	0.875	0.125	0.875	0.75	0.5	90	0.875	0.784	0.125	77.7	−2.7	67.8	67.8	92.3	0.132	0.194	0.875	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
875	Y00G_075_062$_{de}$	0.75	0.75	0.125	0.75	0.625	0.437	90	0.75	0.674	0.125	70.3	−2.2	56.5	56.5	92.3	0.274	0.262	0.852	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
876	Y00G_062_050$_{de}$	0.625	0.625	0.125	0.625	0.5	0.375	90	0.625	0.564	0.125	62.9	−1.8	45.2	45.2	92.3	0.392	0.339	0.815	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
877	Y00G_050_037$_{de}$	0.5	0.5	0.125	0.5	0.375	0.312	90	0.5	0.454	0.124	55.5	−1.3	33.9	33.9	92.3	0.52	0.436	0.814	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
878	Y00G_037_025$_{de}$	0.375	0.375	0.125	0.375	0.25	0.25	90	0.375	0.344	0.124	48.0	−0.9	22.6	22.6	92.3	0.64	0.52	0.778	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
879	Y00G_025_012$_{de}$	0.25	0.25	0.125	0.25	0.125	0.187	90	0.25	0.234	0.124	40.6	−0.4	11.3	11.3	92.3	0.734	0.621	0.738	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
880	NW_012$_{de}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	33.2	0.0	0.0	0.0	0.0	0.885	0.774	0.736	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
881	B00R_012_012$_{de}$	0.0	0.0	0.125	0.125	0.125	0.062	270	0.0	0.057	0.125	26.3	0.1	−5.0	5.0	271.7	0.984	0.915	0.774	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
882	Y00G_100_100$_{de}$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3	0.0	0.121	1.0	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
883	Y00G_087_087$_{de}$	0.875	0.875	0.0	0.875	0.875	0.437	90	0.875	0.769	0.0	76.2	−3.1	79.1	79.1	92.3	0.149	0.196	0.998	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
884	Y00G_075_075$_{de}$	0.75	0.75	0.0	0.75	0.75	0.375	90	0.75	0.659	0.0	68.8	−2.7	67.8	67.8	92.3	0.285	0.269	0.986	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
885	Y00G_062_062$_{de}$	0.625	0.625	0.0	0.625	0.625	0.312	90	0.625	0.549	0.0	61.4	−2.2	56.5	56.5	92.3	0.401	0.354	0.978	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
886	Y00G_050_050$_{de}$	0.5	0.5	0.0	0.5	0.5	0.25	90	0.5	0.439	0.0	54.0	−1.8	45.2	45.2	92.3	0.531	0.448	0.991	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
887	Y00G_037_037$_{de}$	0.375	0.375	0.0	0.375	0.375	0.187	90	0.375	0.329	0.0	46.5	−1.3	33.9	33.9	92.3	0.646	0.537	0.977	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
888	Y00G_025_025$_{de}$	0.25	0.25	0.0	0.25	0.25	0.125	90	0.25	0.219	0.0	39.1	−0.9	22.6	22.6	92.3	0.732	0.649	0.98	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
889	Y00G_012_012$_{de}$	0.125	0.125	0.0	0.125	0.125	0.062	90	0.125	0.109	0.0	31.7	−0.4	11.3	11.3	92.3	0.878	0.805	1.0	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
890	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0	1.0	1.0	1.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0

Mean color difference of this page: **delta**

TUB-test chart QE48; hue code: H*$_e$=Y25G$_e$
colors and differences, $\Delta E'$*

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

QE4811L

TUB registration: 20130201-QE48/QE48L0FA.TXT /.PS
application for measurement of offset print output, separation cmy0* (CMY0)

TUB material: code=rha4ta

see similar files: http://130.149.60.45/~farbmetrik/QE48/QE48.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

n	HIC*$_{Fde}$	*rgb*$_{Fde}$			*ict*$_{Fde}$			h_{si_Fde}	*rgb**$_{Fde}$			*LabCh**$_{Fde}$				*cmyn**$_{sep,Fde}$				$h_{siM,de}$	*rgb**$_{Mde}$			*LabCh**$_{Mde}$			
891	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
892	B50R_100_012$_{de}$	1.0	0.875	1.0	1.0	0.125	0.937	330	0.915	0.875	1.0	87.5	5.9	−3.6	6.9	328.6	0.085	0.144	0.007	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
893	B50R_100_025$_{de}$	1.0	0.75	1.0	1.0	0.25	0.875	330	0.83	0.75	1.0	79.5	11.9	−7.2	13.9	328.6	0.17	0.264	0.003	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
894	B50R_100_037$_{de}$	1.0	0.625	1.0	1.0	0.375	0.812	330	0.745	0.625	1.0	71.4	17.9	−10.9	20.9	328.6	0.256	0.396	0.0	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
895	B50R_100_050$_{de}$	1.0	0.5	1.0	1.0	0.5	0.75	330	0.66	0.5	1.0	63.3	23.8	−14.5	27.9	328.6	0.326	0.478	0.0	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
896	B50R_100_062$_{de}$	1.0	0.375	1.0	1.0	0.625	0.687	330	0.576	0.375	1.0	55.3	29.8	−18.2	34.9	328.6	0.401	0.592	0.0	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
897	B50R_100_075$_{de}$	1.0	0.25	1.0	1.0	0.75	0.625	330	0.491	0.25	1.0	47.2	35.8	−21.8	41.9	328.6	0.498	0.735	0.0	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
898	B50R_100_087$_{de}$	1.0	0.125	1.0	1.0	0.875	0.562	330	0.406	0.125	1.0	39.1	41.8	−25.5	48.9	328.6	0.587	0.848	0.0	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
899	B50R_100_100$_{de}$	1.0	0.0	1.0	1.0	1.0	0.5	330	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6	0.677	0.999	0.0	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
900	G00B_100_012$_{de}$	0.875	1.0	0.875	1.0	0.125	0.937	150	0.875	1.0	0.893	90.0	−7.7	2.4	8.1	162.2	0.197	0.0	0.125	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
901	NW_087$_{de}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.7	0.0	0.0	0.0	0.0	0.162	0.101	0.093	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
902	B50R_087_012$_{de}$	0.875	0.75	0.875	0.875	0.125	0.812	330	0.79	0.75	0.875	78.6	5.9	−3.6	6.9	328.6	0.242	0.226	0.094	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
903	B50R_087_025$_{de}$	0.875	0.625	0.875	0.875	0.25	0.75	330	0.705	0.625	0.875	70.5	11.9	−7.2	13.9	328.6	0.309	0.351	0.092	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
904	B50R_087_037$_{de}$	0.875	0.5	0.875	0.875	0.375	0.687	330	0.62	0.5	0.875	62.5	17.9	−10.9	20.9	328.6	0.376	0.444	0.091	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
905	B50R_087_050$_{de}$	0.875	0.375	0.875	0.875	0.5	0.625	330	0.535	0.375	0.875	54.4	23.8	−14.5	27.9	328.6	0.461	0.579	0.099	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
906	B50R_087_062$_{de}$	0.875	0.25	0.875	0.875	0.625	0.562	330	0.451	0.25	0.875	46.4	29.8	−18.2	34.9	328.6	0.548	0.714	0.107	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
907	B50R_087_075$_{de}$	0.875	0.125	0.875	0.875	0.75	0.5	330	0.366	0.125	0.875	38.3	35.8	−21.8	41.9	328.6	0.635	0.836	0.122	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
908	B50R_087_087$_{de}$	0.875	0.0	0.875	0.875	0.875	0.437	330	0.281	0.0	0.875	30.2	41.8	−25.5	48.9	328.6	0.706	0.99	0.133	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
909	G00B_100_025$_{de}$	0.75	1.0	0.75	1.0	0.25	0.875	150	0.75	1.0	0.787	84.3	−15.5	4.9	16.3	162.2	0.34	0.0	0.25	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
910	G00B_087_012$_{de}$	0.75	0.875	0.75	0.875	0.125	0.812	150	0.75	0.875	0.768	81.1	−7.7	2.4	8.1	162.2	0.321	0.074	0.205	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
911	NW_075$_{de}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0	0.299	0.181	0.177	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
912	B50R_075_012$_{de}$	0.75	0.625	0.75	0.75	0.125	0.687	330	0.665	0.625	0.75	69.7	5.9	−3.6	6.9	328.6	0.362	0.3	0.177	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
913	B50R_075_025$_{de}$	0.75	0.5	0.75	0.75	0.25	0.625	330	0.58	0.5	0.75	61.6	11.9	−7.2	13.9	328.6	0.434	0.428	0.188	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
914	B50R_075_037$_{de}$	0.75	0.375	0.75	0.75	0.375	0.562	330	0.495	0.375	0.75	53.6	17.9	−10.9	20.9	328.6	0.515	0.56	0.205	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
915	B50R_075_050$_{de}$	0.75	0.25	0.75	0.75	0.5	0.5	330	0.41	0.25	0.75	45.5	23.8	−14.5	27.9	328.6	0.6	0.69	0.212	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
916	B50R_075_062$_{de}$	0.75	0.125	0.75	0.75	0.625	0.437	330	0.326	0.125	0.75	37.5	29.8	−18.2	34.9	328.6	0.668	0.82	0.232	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
917	B50R_075_075$_{de}$	0.75	0.0	0.75	0.75	0.75	0.375	330	0.241	0.0	0.75	29.4	35.8	−21.8	41.9	328.6	0.738	0.985	0.261	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
918	G00B_100_037$_{de}$	0.625	1.0	0.625	1.0	0.375	0.812	150	0.625	1.0	0.681	78.7	−23.2	7.4	24.4	162.2	0.5	0.0	0.375	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
919	G00B_087_025$_{de}$	0.625	0.875	0.625	0.875	0.25	0.75	150	0.625	0.875	0.662	75.4	−15.5	4.9	16.3	162.2	0.458	0.054	0.312	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
920	G00B_075_012$_{de}$	0.625	0.75	0.625	0.75	0.125	0.687	150	0.625	0.75	0.643	72.1	−7.7	2.4	8.1	162.2	0.438	0.167	0.29	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
921	NW_062$_{de}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.9	0.0	0.0	0.0	0.0	0.417	0.26	0.26	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
922	B50R_062_012$_{de}$	0.625	0.5	0.625	0.625	0.125	0.562	330	0.54	0.5	0.625	60.8	5.9	−3.6	6.9	328.6	0.49	0.41	0.278	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
923	B50R_062_025$_{de}$	0.625	0.375	0.625	0.625	0.25	0.5	330	0.455	0.375	0.625	52.7	11.9	−7.2	13.9	328.6	0.568	0.528	0.295	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
924	B50R_062_037$_{de}$	0.625	0.25	0.625	0.625	0.375	0.437	330	0.37	0.25	0.625	44.7	17.9	−10.9	20.9	328.6	0.642	0.662	0.305	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
925	B50R_062_050$_{de}$	0.625	0.125	0.625	0.625	0.5	0.375	330	0.285	0.125	0.625	36.6	23.8	−14.5	27.9	328.6	0.703	0.802	0.334	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
926	B50R_062_062$_{de}$	0.625	0.0	0.625	0.625	0.625	0.312	330	0.201	0.0	0.625	28.5	29.8	−18.2	34.9	328.6	0.781	0.984	0.373	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
927	G00B_100_050$_{de}$	0.5	1.0	0.5	1.0	0.5	0.75	150	0.5	1.0	0.575	73.1	−31.0	9.9	32.6	162.2	0.613	0.0	0.418	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
928	G00B_087_037$_{de}$	0.5	0.875	0.5	0.875	0.375	0.687	150	0.5	0.875	0.556	69.8	−23.2	7.4	24.4	162.2	0.595	0.041	0.413	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
929	G00B_075_025$_{de}$	0.5	0.75	0.5	0.75	0.25	0.625	150	0.5	0.75	0.537	66.5	−15.5	4.9	16.3	162.2	0.575	0.165	0.403	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
930	G00B_062_012$_{de}$	0.5	0.625	0.5	0.625	0.125	0.562	150	0.5	0.625	0.518	63.2	−7.7	2.4	8.1	162.2	0.557	0.269	0.384	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
931	NW_050$_{de}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	60.0	0.0	0.0	0.0	0.0	0.54	0.382	0.356	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
932	B50R_050_012$_{de}$	0.5	0.375	0.5	0.5	0.125	0.437	330	0.415	0.375	0.5	51.9	5.9	−3.6	6.9	328.6	0.618	0.497	0.38	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
933	B50R_050_025$_{de}$	0.5	0.25	0.5	0.5	0.25	0.375	330	0.33	0.249	0.5	43.8	11.9	−7.2	13.9	328.6	0.675	0.632	0.39	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
934	B50R_050_037$_{de}$	0.5	0.125	0.5	0.5	0.375	0.312	330	0.245	0.124	0.5	35.8	17.9	−10.9	20.9	328.6	0.736	0.786	0.43	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
935	B50R_050_050$_{de}$	0.5	0.0	0.5	0.5	0.5	0.25	330	0.16	0.0	0.5	27.7	23.8	−14.5	27.9	328.6	0.84	0.99	0.486	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
936	G00B_100_062$_{de}$	0.375	1.0	0.375	1.0	0.625	0.687	150	0.375	1.0	0.469	67.5	−38.8	12.4	40.7	162.2	0.701	0.0	0.507	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
937	G00B_087_050$_{de}$	0.375	0.875	0.375	0.875	0.5	0.625	150	0.375	0.875	0.45	64.2	−31.0	9.9	32.6	162.2	0.691	0.041	0.5	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
938	G00B_075_037$_{de}$	0.375	0.75	0.375	0.75	0.375	0.562	150	0.375	0.75	0.431	60.9	−23.2	7.4	24.4	162.2	0.68	0.167	0.494	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
939	G00B_062_025$_{de}$	0.375	0.625	0.375	0.625	0.25	0.5	150	0.375	0.625	0.412	57.6	−15.5	4.9	16.3	162.2	0.67	0.275	0.482	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
940	G00B_050_012$_{de}$	0.375	0.5	0.375	0.5	0.125	0.437	150	0.375	0.5	0.393	54.3	−7.7	2.4	8.1	162.2	0.66	0.388	0.469	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
941	NW_037$_{de}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	51.0	0.0	0.0	0.0	0.0	0.653	0.473	0.452	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
942	B50R_037_012$_{de}$	0.375	0.25	0.375	0.375	0.125	0.312	330	0.29	0.249	0.375	43.0	5.9	−3.6	6.9	328.6	0.709	0.61	0.475	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
943	B50R_037_025$_{de}$	0.375	0.125	0.375	0.375	0.25	0.25	330	0.205	0.124	0.375	34.9	11.9	−7.2	13.9	328.6	0.783	0.778	0.524	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
944	B50R_037_037$_{de}$	0.375	0.0	0.375	0.375	0.375	0.187	330	0.12	0.0	0.375	26.9	17.9	−10.9	20.9	328.6	0.887	0.986	0.593	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
945	G00B_100_075$_{de}$	0.25	1.0	0.25	1.0	0.75	0.625	150	0.25	1.0	0.363	61.9	−46.5	14.9	48.9	162.2	0.809	0.0	0.623	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
946	G00B_087_062$_{de}$	0.25	0.875	0.25	0.875	0.625	0.562	150	0.25	0.875	0.344	58.6	−38.8	12.4	40.7	162.2	0.795	0.053	0.596	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
947	G00B_075_050$_{de}$	0.25	0.75	0.25	0.75	0.5	0.5	150	0.25	0.75	0.325	55.3	−31.0	9.9	32.6	162.2	0.782	0.181	0.592	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
948	G00B_062_037$_{de}$	0.25	0.625	0.25	0.625	0.375	0.437	150	0.25	0.625	0.306	52.0	−23.2	7.4	24.4	162.2	0.769	0.292	0.584	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
949	G00B_050_025$_{de}$	0.25	0.5	0.25	0.5	0.25	0.375	150	0.249	0.5	0.287	48.7	−15.5	4.9	16.3	162.2	0.754	0.401	0.574	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
950	G00B_037_012$_{de}$	0.25	0.375	0.25	0.375	0.125	0.312	150	0.249	0.375	0.268	45.4	−7.7	2.4	8.1	162.2	0.748	0.488	0.562	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
951	NW_025$_{de}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	42.1	0.0	0.0	0.0	0.0	0.743	0.587	0.55	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
952	B50R_025_012$_{de}$	0.25	0.125	0.25	0.25	0.125	0.187	330	0.165	0.124	0.25	34.1	5.9	−3.6	6.9	328.6	0.84	0.778	0.626	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
953	B50R_025_025$_{de}$	0.25	0.0	0.25	0.25	0.25	0.125	330	0.08	0.0	0.25	26.0	11.9	−7.2	13.9	328.6	0.927	0.983	0.705	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
954	G00B_100_087$_{de}$	0.125	1.0	0.125	1.0	0.875	0.562	150	0.125	1.0	0.257	56.3	−54.3	17.4	57.0	162.2	0.917	0.0	0.749	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
955	G00B_087_075$_{de}$	0.125	0.875	0.125	0.875	0.75	0.5	150	0.125	0.875	0.238	53.0	−46.5	14.9	48.9	162.2	0.909	0.095	0.725	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
956	G00B_075_062$_{de}$	0.125	0.75	0.125	0.75	0.625	0.437	150	0.125	0.75	0.219	49.7	−38.8	12.4	40.7	162.2	0.904	0.222	0.725	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
957	G00B_062_050$_{de}$	0.125	0.625	0.125	0.625	0.5	0.375	150	0.125	0.625	0.2	46.4	−31.0	9.9	32.6	162.2	0.897	0.356	0.727	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
958	G00B_050_037$_{de}$	0.125	0.5	0.125	0.5	0.375	0.312	150	0.124	0.5	0.181	43.1	−23.2	7.4	24.4	162.2	0.891	0.458	0.732	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
959	G00B_037_025$_{de}$	0.125	0.375	0.125	0.375	0.25	0.25	150	0.124	0.375	0.162	39.8	−15.5	4.9	16.3	162.2	0.887	0.564	0.733	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
960	G00B_025_012$_{de}$	0.125	0.25	0.125	0.25	0.125	0.187	150	0.124	0.25	0.143	36.5	−7.7	2.4	8.1	162.2	0.885	0.672	0.733	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
961	NW_012$_{de}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	33.2	0.0	0.0	0.0	0.0	0.885	0.774	0.736	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
962	B50R_012_012$_{de}$	0.125	0.0	0.125	0.125	0.125	0.062	330	0.04	0.0	0.125	25.2	5.9	−3.6	6.9	328.6	0.961	0.98	0.829	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
963	G00B_100_100$_{de}$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2	1.0	0.0	0.847	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
964	G00B_087_087$_{de}$	0.0	0.875	0.0	0.875	0.875	0.437	150	0.0	0.875	0.132	47.3	−54.3	17.4	57.0	162.2	0.995	0.157	0.853	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
965	G00B_075_075$_{de}$	0.0	0.75	0.0	0.75	0.75	0.375	150	0.0	0.75	0.113	44.1	−46.5	14.9	48.9	162.2	0.99	0.286	0.855	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
966	G00B_062_062$_{de}$	0.0	0.625	0.0	0.625	0.625	0.312	150	0.0	0.625	0.094	40.8	−38.8	12.4	40.7	162.2	0.987	0.415	0.862	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
967	G00B_050_050$_{de}$	0.0	0.5	0.0	0.5	0.5	0.25	150	0.0	0.5	0.075	37.5	−31.0	9.9	32.6	162.2	0.984	0.519	0.873	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
968	G00B_037_037$_{de}$	0.0	0.375	0.0	0.375	0.375	0.187	150	0.0	0.375	0.056	34.2	−23.2	7.4	24.4	162.2	0.984	0.637	0.89	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
969	G00B_025_025$_{de}$	0.0	0.25	0.0	0.25	0.25	0.125	150	0.0	0.25	0.037	30.9	−15.5	4.9	16.3	162.2	0.987	0.751	0.917	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
970	G00B_012_012$_{de}$	0.0	0.125	0.0	0.125	0.125	0.062	150	0.0	0.125	0.018	27.6	−7.7	2.4	8.1	162.2	0.991	0.859	0.959	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
971	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0	1.0	1.0	1.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0

Mean color difference of this page: **delta**

TUB-test chart QE48; hue code: H*$_e$=Y25G$_e$
colors and differences, ΔE'*

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

1−1133031−F0

QE4811L

see similar files: http://130.149.60.45/~farbmetrik/QE48/QE48.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE48/QE48L0FA.TXT /.PS
application for measurement of offset print output, separation cmy0* (CMY0)

TUB material: code=rha4ta

n	HIC*$_{Fde}$	*rgb*$_{Fde}$			*ict*$_{Fde}$			h_{si_Fde}	*rgb**$_{Fde}$			*LabCh**$_{Fde}$				*cmyn**$_{sep,Fde}$				$h_{siM,de}$	*rgb**$_{Mde}$			*LabCh**$_{Mde}$			
972	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	1.0	1.0	1.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
973	NW_012$_{de}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	33.2	0.0	0.0	0.0	0.885	0.774	0.736	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
974	NW_025$_{de}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	42.1	0.0	0.0	0.0	0.743	0.587	0.55	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
975	NW_037$_{de}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	51.0	0.0	0.0	0.0	0.653	0.473	0.452	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
976	NW_050$_{de}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	60.0	0.0	0.0	0.0	0.54	0.382	0.356	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
977	NW_062$_{de}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.9	0.0	0.0	0.0	0.417	0.26	0.26	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
978	NW_075$_{de}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.299	0.181	0.177	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
979	NW_087$_{de}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.7	0.0	0.0	0.0	0.162	0.101	0.093	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
980	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
981	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	1.0	1.0	1.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
982	NW_012$_{de}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	33.2	0.0	0.0	0.0	0.885	0.774	0.736	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
983	NW_025$_{de}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	42.1	0.0	0.0	0.0	0.743	0.587	0.55	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
984	NW_037$_{de}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	51.0	0.0	0.0	0.0	0.653	0.473	0.452	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
985	NW_050$_{de}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	60.0	0.0	0.0	0.0	0.54	0.382	0.356	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
986	NW_062$_{de}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.9	0.0	0.0	0.0	0.417	0.26	0.26	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
987	NW_075$_{de}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.299	0.181	0.177	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
988	NW_087$_{de}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.7	0.0	0.0	0.0	0.162	0.101	0.093	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
989	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
990	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	1.0	1.0	1.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
991	NW_012$_{de}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	33.2	0.0	0.0	0.0	0.885	0.774	0.736	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
992	NW_025$_{de}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	42.1	0.0	0.0	0.0	0.743	0.587	0.55	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
993	NW_037$_{de}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	51.0	0.0	0.0	0.0	0.653	0.473	0.452	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
994	NW_050$_{de}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	60.0	0.0	0.0	0.0	0.54	0.382	0.356	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
995	NW_062$_{de}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.9	0.0	0.0	0.0	0.417	0.26	0.26	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
996	NW_075$_{de}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.299	0.181	0.177	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
997	NW_087$_{de}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.7	0.0	0.0	0.0	0.162	0.101	0.093	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
998	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
999	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	1.0	1.0	1.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1000	NW_012$_{de}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	33.2	0.0	0.0	0.0	0.885	0.774	0.736	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1001	NW_025$_{de}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	42.1	0.0	0.0	0.0	0.743	0.587	0.55	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1002	NW_037$_{de}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	51.0	0.0	0.0	0.0	0.653	0.473	0.452	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1003	NW_050$_{de}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	60.0	0.0	0.0	0.0	0.54	0.382	0.356	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1004	NW_062$_{de}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.9	0.0	0.0	0.0	0.417	0.26	0.26	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1005	NW_075$_{de}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.299	0.181	0.177	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1006	NW_087$_{de}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.7	0.0	0.0	0.0	0.162	0.101	0.093	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1007	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1008	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	1.0	1.0	1.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1009	NW_006$_{de}$	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	29.0	0.0	0.0	0.0	0.935	0.855	0.825	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1010	NW_013$_{de}$	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	33.8	0.0	0.0	0.0	0.879	0.763	0.725	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1011	NW_020$_{de}$	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	38.6	0.0	0.0	0.0	0.799	0.661	0.614	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1012	NW_026$_{de}$	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	43.3	0.0	0.0	0.0	0.731	0.571	0.537	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1013	NW_033$_{de}$	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	48.1	0.0	0.0	0.0	0.682	0.507	0.485	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1014	NW_040$_{de}$	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	52.8	0.0	0.0	0.0	0.636	0.454	0.433	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1015	NW_046$_{de}$	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	57.5	0.0	0.0	0.0	0.574	0.404	0.381	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1016	NW_053$_{de}$	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	62.3	0.0	0.0	0.0	0.509	0.354	0.33	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1017	NW_060$_{de}$	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	67.1	0.0	0.0	0.0	0.442	0.285	0.278	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1018	NW_066$_{de}$	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	71.8	0.0	0.0	0.0	0.377	0.228	0.228	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1019	NW_073$_{de}$	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	76.6	0.0	0.0	0.0	0.314	0.191	0.186	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1020	NW_080$_{de}$	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	81.3	0.0	0.0	0.0	0.252	0.153	0.146	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1021	NW_086$_{de}$	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	86.0	0.0	0.0	0.0	0.173	0.108	0.099	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1022	NW_093$_{de}$	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	90.8	0.0	0.0	0.0	0.09	0.054	0.05	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1023	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1024	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	1.0	1.0	1.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1025	NW_006$_{de}$	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	29.0	0.0	0.0	0.0	0.935	0.855	0.825	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1026	NW_013$_{de}$	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	33.8	0.0	0.0	0.0	0.879	0.763	0.725	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1027	NW_020$_{de}$	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	38.6	0.0	0.0	0.0	0.799	0.661	0.614	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1028	NW_026$_{de}$	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	43.3	0.0	0.0	0.0	0.731	0.571	0.537	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1029	NW_033$_{de}$	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	48.1	0.0	0.0	0.0	0.682	0.507	0.485	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1030	NW_040$_{de}$	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	52.8	0.0	0.0	0.0	0.636	0.454	0.433	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1031	NW_046$_{de}$	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	57.5	0.0	0.0	0.0	0.574	0.404	0.381	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1032	NW_053$_{de}$	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	62.3	0.0	0.0	0.0	0.509	0.354	0.33	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1033	NW_060$_{de}$	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	67.1	0.0	0.0	0.0	0.442	0.285	0.278	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1034	NW_066$_{de}$	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	71.8	0.0	0.0	0.0	0.377	0.228	0.228	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1035	NW_073$_{de}$	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	76.6	0.0	0.0	0.0	0.314	0.191	0.186	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1036	NW_080$_{de}$	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	81.3	0.0	0.0	0.0	0.252	0.153	0.146	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1037	NW_086$_{de}$	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	86.0	0.0	0.0	0.0	0.173	0.108	0.099	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1038	NW_093$_{de}$	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	90.8	0.0	0.0	0.0	0.09	0.054	0.05	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1039	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1040	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	1.0	1.0	1.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1041	NW_006$_{de}$	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	29.0	0.0	0.0	0.0	0.935	0.855	0.825	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1042	NW_013$_{de}$	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	33.8	0.0	0.0	0.0	0.879	0.763	0.725	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1043	NW_020$_{de}$	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	38.6	0.0	0.0	0.0	0.799	0.661	0.614	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1044	NW_026$_{de}$	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	43.3	0.0	0.0	0.0	0.731	0.571	0.537	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1045	NW_033$_{de}$	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	48.1	0.0	0.0	0.0	0.682	0.507	0.485	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1046	NW_040$_{de}$	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	52.8	0.0	0.0	0.0	0.636	0.454	0.433	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1047	NW_046$_{de}$	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	57.5	0.0	0.0	0.0	0.574	0.404	0.381	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1048	NW_053$_{de}$	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	62.3	0.0	0.0	0.0	0.509	0.354	0.33	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1049	NW_060$_{de}$	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	67.1	0.0	0.0	0.0	0.442	0.285	0.278	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1050	NW_066$_{de}$	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	71.8	0.0	0.0	0.0	0.377	0.228	0.228	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1051	NW_073$_{de}$	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	76.6	0.0	0.0	0.0	0.314	0.191	0.186	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0
1052	NW_080$_{de}$	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	81.3	0.0	0.0	0.0	0.252	0.153	0.146	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0

Mean color difference of this page: **delta**

TUB-test chart QE48; hue code: H*$_e$=Y25G$_e$
colors and differences, $\Delta E'$*

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

n	HIC*$_{Fde}$	*rgb*$_{Fde}$			*ict*$_{Fde}$			h_{si_Fde}	*rgb**$_{Fde}$			*LabCh**$_{Fde}$					*cmyn**$_{sep,Fde}$				$h_{siM,de}$	*rgb**$_{Mde}$			*LabCh**$_{Mde}$				
1053	NW_086$_{de}$	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	86.0	0.0	0.0	0.0	0.0	0.173	0.108	0.099	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1054	NW_093$_{de}$	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	90.8	0.0	0.0	0.0	0.0	0.09	0.054	0.05	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1055	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1056	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0	1.0	1.0	1.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1057	NW_006$_{de}$	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	29.0	0.0	0.0	0.0	0.0	0.935	0.855	0.825	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1058	NW_013$_{de}$	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	33.8	0.0	0.0	0.0	0.0	0.879	0.763	0.725	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1059	NW_020$_{de}$	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	38.6	0.0	0.0	0.0	0.0	0.799	0.661	0.614	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1060	NW_026$_{de}$	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	43.3	0.0	0.0	0.0	0.0	0.731	0.571	0.537	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1061	NW_033$_{de}$	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	48.1	0.0	0.0	0.0	0.0	0.682	0.507	0.485	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1062	NW_040$_{de}$	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	52.8	0.0	0.0	0.0	0.0	0.636	0.454	0.433	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1063	NW_046$_{de}$	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	57.5	0.0	0.0	0.0	0.0	0.574	0.404	0.381	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1064	NW_053$_{de}$	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	62.3	0.0	0.0	0.0	0.0	0.509	0.354	0.33	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1065	NW_060$_{de}$	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	67.1	0.0	0.0	0.0	0.0	0.442	0.285	0.278	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1066	NW_066$_{de}$	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	71.8	0.0	0.0	0.0	0.0	0.377	0.228	0.228	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1067	NW_073$_{de}$	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	76.6	0.0	0.0	0.0	0.0	0.314	0.191	0.186	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1068	NW_080$_{de}$	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	81.3	0.0	0.0	0.0	0.0	0.252	0.153	0.146	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1069	NW_086$_{de}$	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	86.0	0.0	0.0	0.0	0.0	0.173	0.108	0.099	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1070	NW_093$_{de}$	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	90.8	0.0	0.0	0.0	0.0	0.09	0.054	0.05	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1071	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1072	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0	1.0	1.0	1.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1073	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1074	R00Y_100_100$_{de}$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4	0.0	1.0	0.744	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
1075	G50B_100_100$_{de}$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9	1.0	0.0	0.253	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
1076	Y00G_100_100$_{de}$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3	0.0	0.121	1.0	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
1077	B00R_100_100$_{de}$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7	1.0	0.539	0.0	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
1078	G00B_100_100$_{de}$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2	1.0	0.0	0.847	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
1079	B50R_100_100$_{de}$	1.0	0.0	1.0	1.0	1.0	0.5	330	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6	0.677	0.999	0.0	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6

Mean color difference of this page: **delta**

TUB-test chart QE48; hue code: H*$_e$=Y25G$_e$
colors and differences, $\Delta E'$*

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

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