http://130.149.60.45/~farbmetrik/QE64/QE64L0NP.PDF /.PS; start output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 1/33

see similar files: http://130.149.60.45/~farbmetrik/QE64/QE64.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel}$ = h_{ab}/360 = 139/360 = 0.38

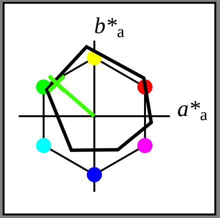
$H*_{-}$ = Y75G₋

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

hue text for the colours of this page:

$H*_{-}$ = Y75G₋

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*$_{-,Ma}$*: 62 −49 43 65 139**

***HIC*$_{-,Ma}$*: Y75G_100_100₋**

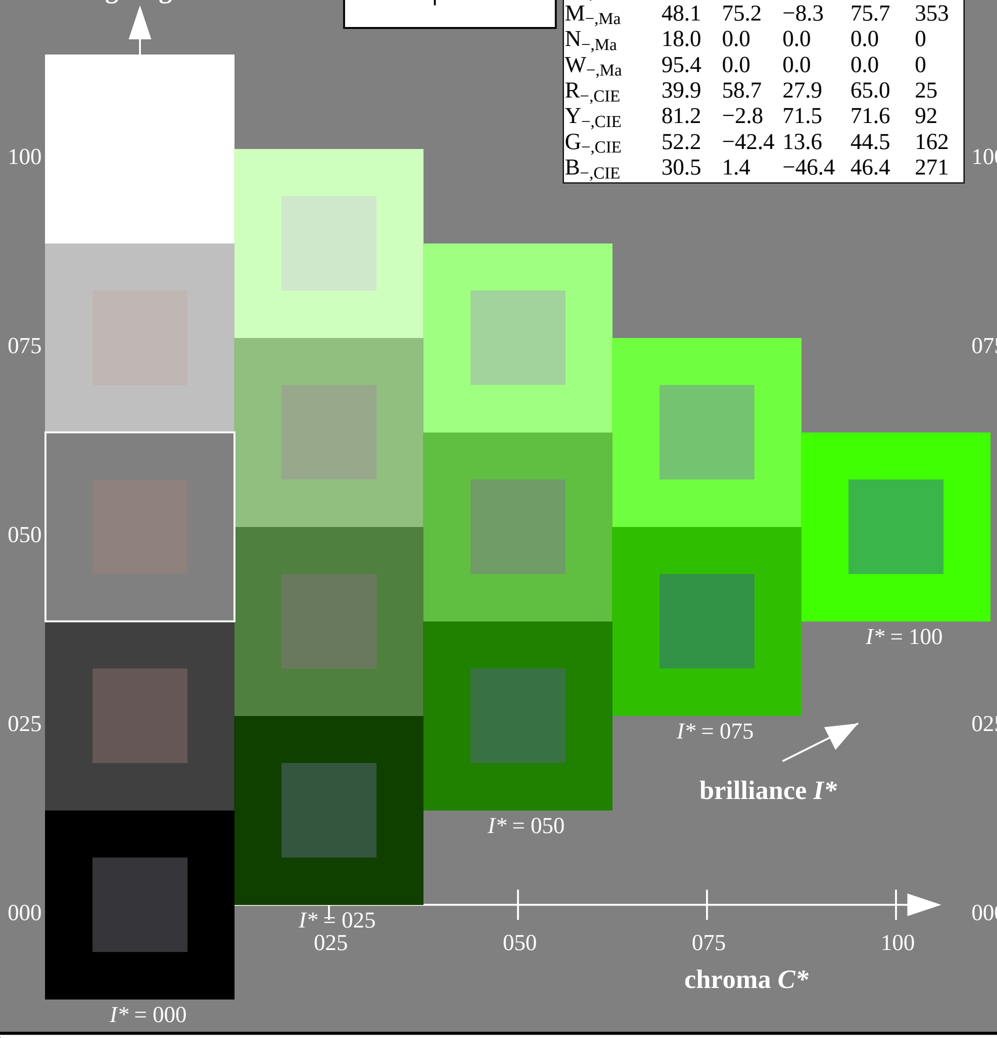
***rgbic*$_{-,Ma}$*:**

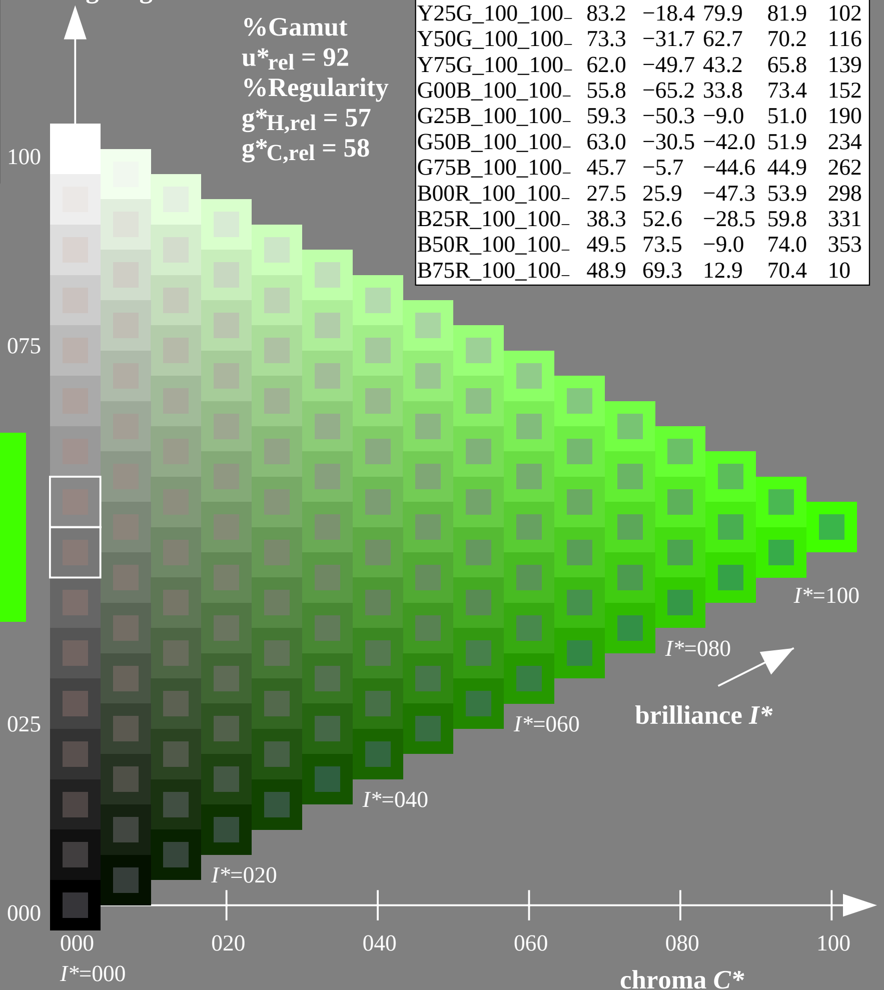
0.23 1.0 0.0 1.0 1.0

triangle lightness *T**

ORS20a; adapted (a) CIELAB data

$H*_{-}$	$L*=L*_a$	$a*_a$	$b*_a$	$C*_{ab,a}$	$h*_{ab,a}$
R00Y_100_100₋	48.4	66.1	40.2	77.3	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





TUB registration: 20130201-QE64/QE64L0NP.PDF /.PS
application for measurement of offset print output

TUB material: code=rha4ta

1-003030-L0 QE640−7N

TUB-test chart QE64; hue code: $H*_{-}$=Y75G₋
Test chart according to DIN 33872, 3D=0, de=0, *cmyk*

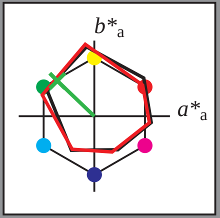
input: *rgb/cmyk* −> *rgb/cmyk*
output: no change

see similar files: http://130.149.60.45/~farbmetrik/QE64/QE64.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel}$ = h_{ab}/360 = 136/360 = 0.37

H^*_d = Y75G$_d$

Data for any device (d) or elementary (e) colour:
HIC^*_d
hue text for the colours of this page:
H^*_d = Y75G$_d$
triangle lightness T^*



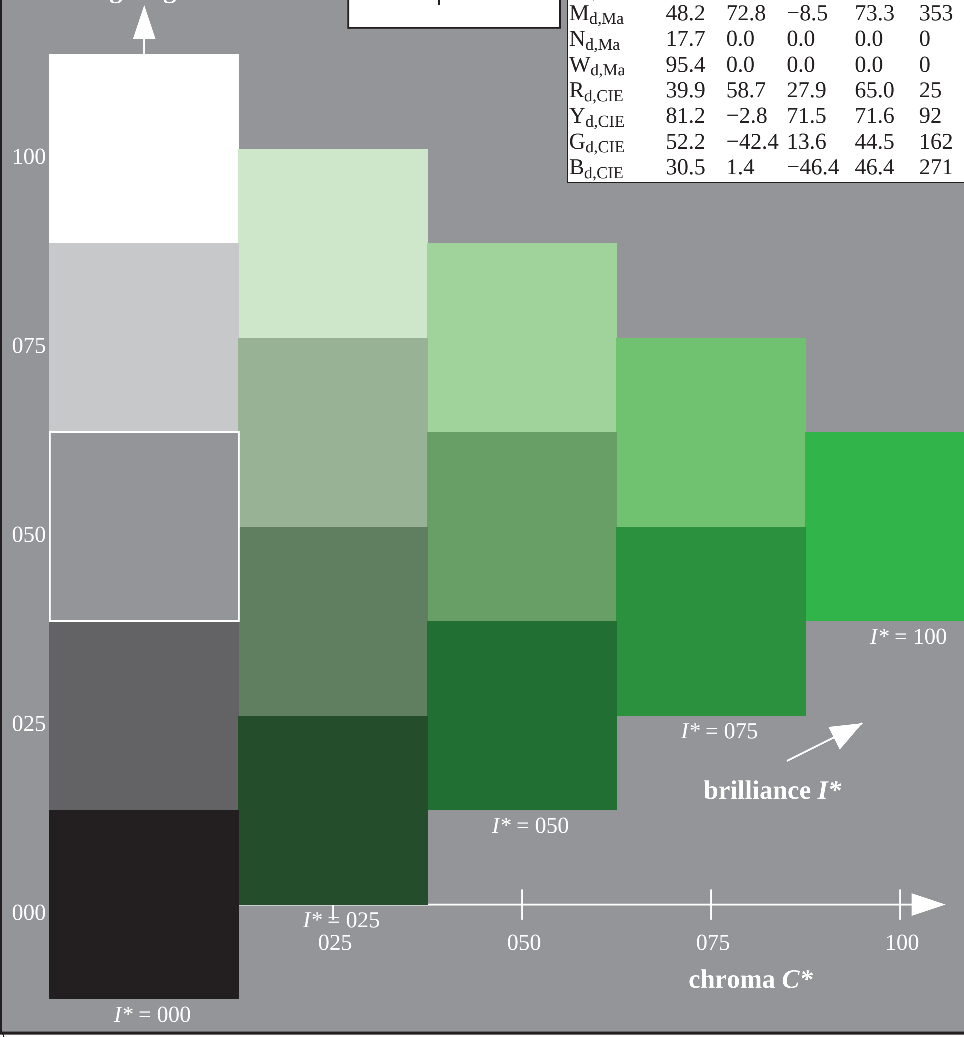
ORS20a; adapted (a) CIELAB data

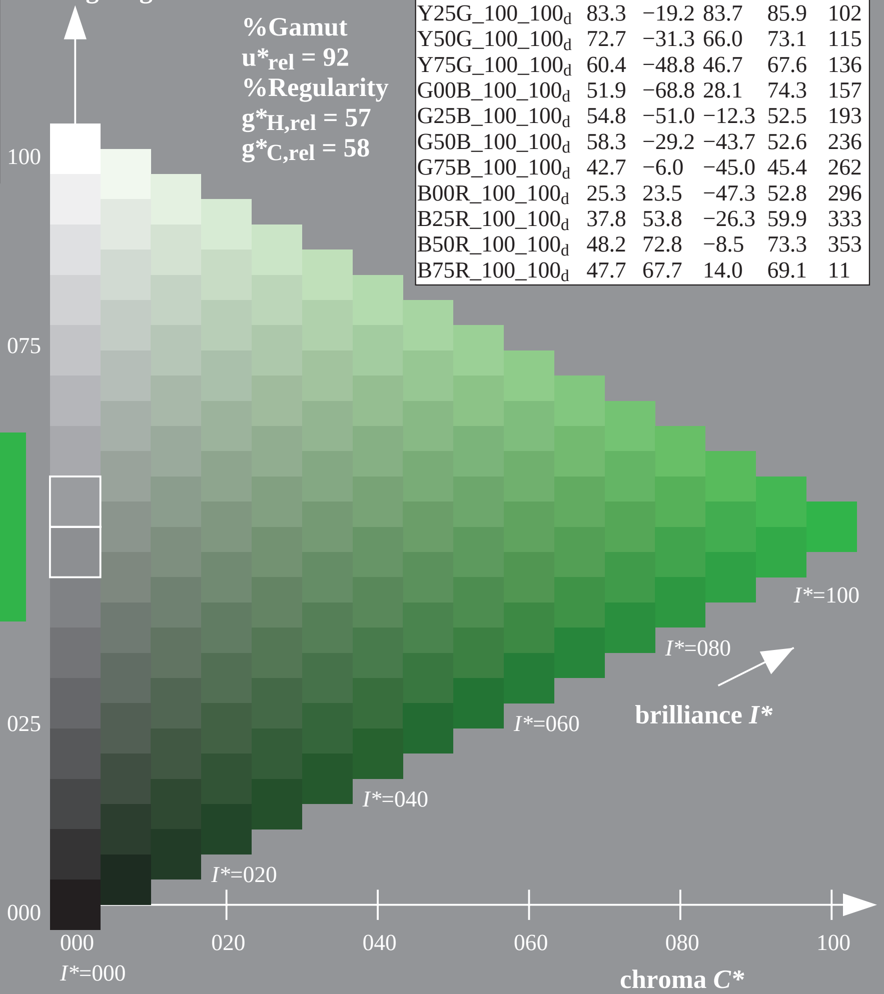
name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R_{d,Ma}$	47.3	63.8	41.2	76.0	32
$Y_{d,Ma}$	88.3	−11.9	95.1	95.8	97
$G_{d,Ma}$	51.9	−68.8	28.1	74.3	157
$C_{d,Ma}$	58.3	−29.2	−43.7	52.6	236
$B_{d,Ma}$	25.3	23.5	−47.3	52.8	296
$M_{d,Ma}$	48.2	72.8	−8.5	73.3	353
$N_{d,Ma}$	17.7	0.0	0.0	0.0	0
$W_{d,Ma}$	95.4	0.0	0.0	0.0	0
$R_{d,CIE}$	39.9	58.7	27.9	65.0	25
$Y_{d,CIE}$	81.2	−2.8	71.5	71.6	92
$G_{d,CIE}$	52.2	−42.4	13.6	44.5	162
$B_{d,CIE}$	30.5	1.4	−46.4	46.4	271

Data for maximum colour (Ma):
$LabCh^*_{d,Ma}$: 60 −48 46 67 136
$HIC^*_{d,Ma}$: Y75G_100_100$_d$
$rgbic^*_{d,Ma}$:
0.23 1.0 0.0 1.0 1.0
triangle lightness T^*

ORS20a; adapted (a) CIELAB data

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




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

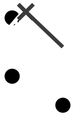
TUB registration: 20130201-QE64/QE64L0NP.PDF /.PS
application for measurement of offset print output, separation cmyn6 (CMYK)
TUB material: code=rha4ta

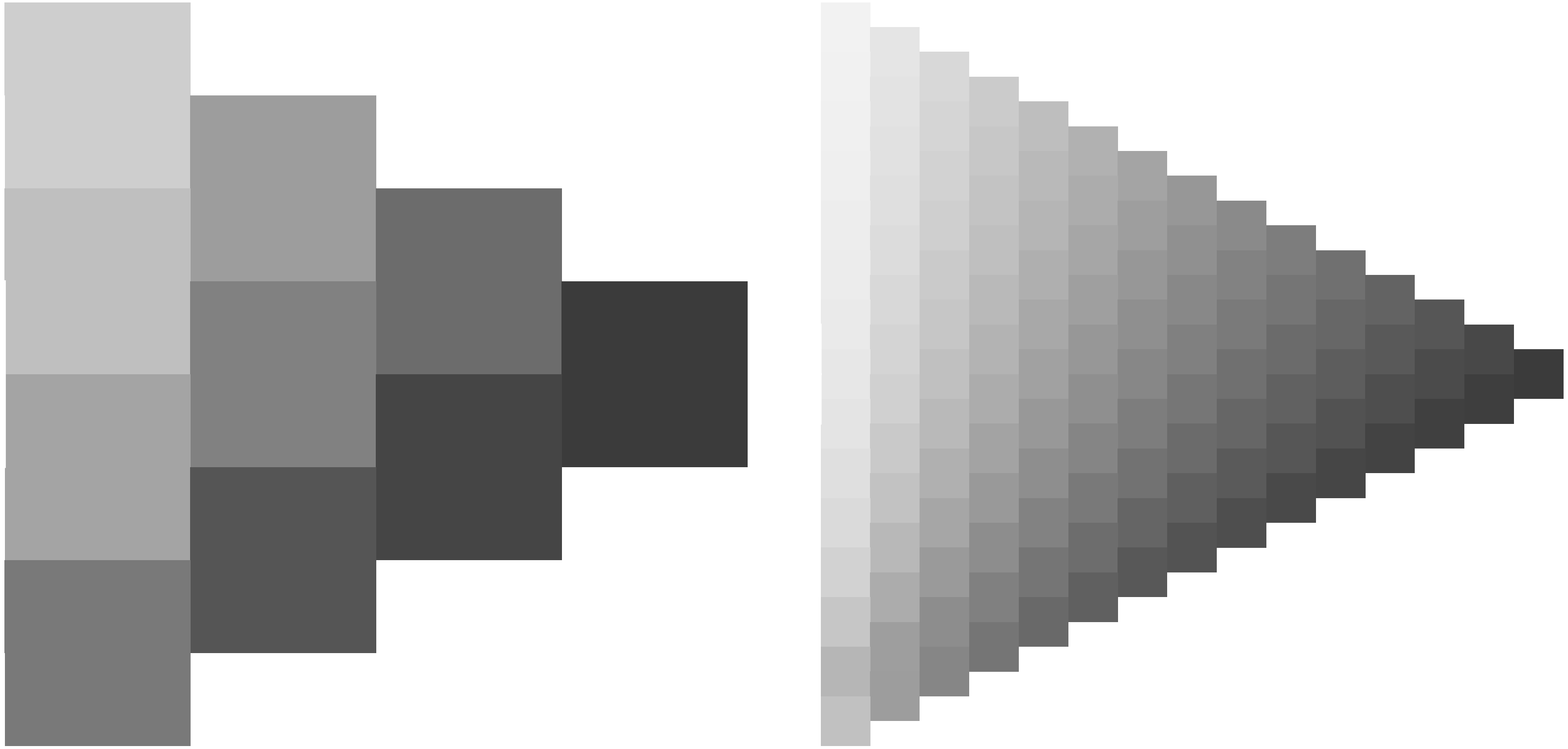
http://130.149.60.45/~farbmetrik/QE64/QE64L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 3/33

see similar files: http://130.149.60.45/~farbmetrik/QE64/QE64.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE64/QE64L0NP.PDF /.PS
application for measurement of offset print output, separation cmyn6 (CMYK)

TUB material: code=rha4ta





1-003230-L0 QE640−70

TUB-test chart QE64; hue code: H^*_d=Y75G_d
Test chart according to DIN 33872, 3D=0, de=0, *cmyk*

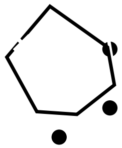
input: *rgb/cmyk* −> *rgb*$_d$
output: transfer to *cmyk*$_d$

1-003230-F0

see similar files: http://130.149.60.45/~farbmetrik/QE64/QE64.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE64/QE64L0NP.PDF /.PS
application for measurement of offset print output, separation cmyn6 (CMYK)

TUB material: code=rha4ta



1-003330-L0 QE640-70

TUB-test chart QE64; hue code: H^*_d=Y75G_d
Test chart according to DIN 33872, 3D=0, de=0, *cmyk*

input: *rgb/cmyk* −> rgb_d
output: transfer to $cmyk_d$

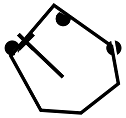
QE6400L

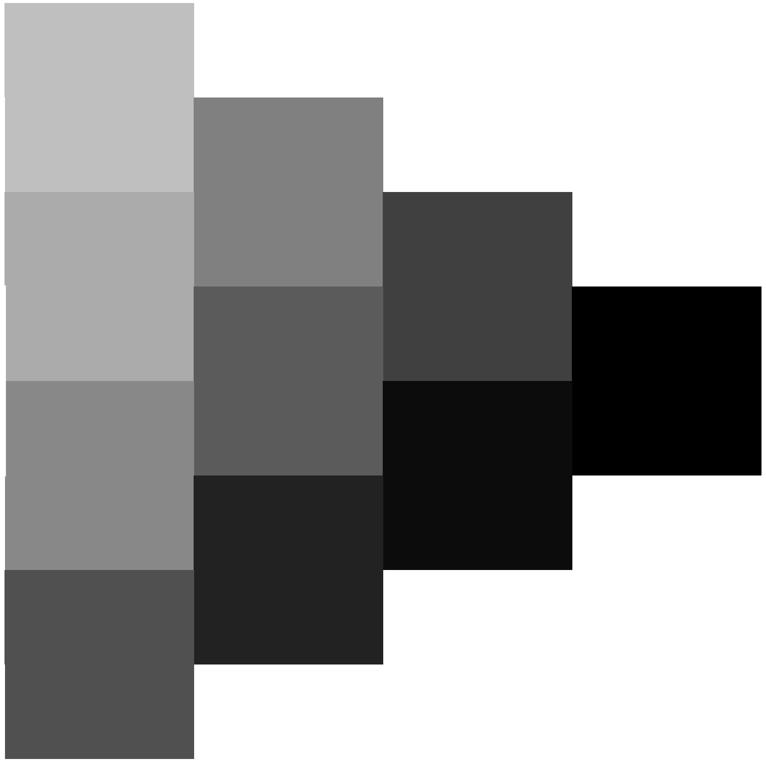
http://130.149.60.45/~farbmetrik/QE64/QE64L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 5/33

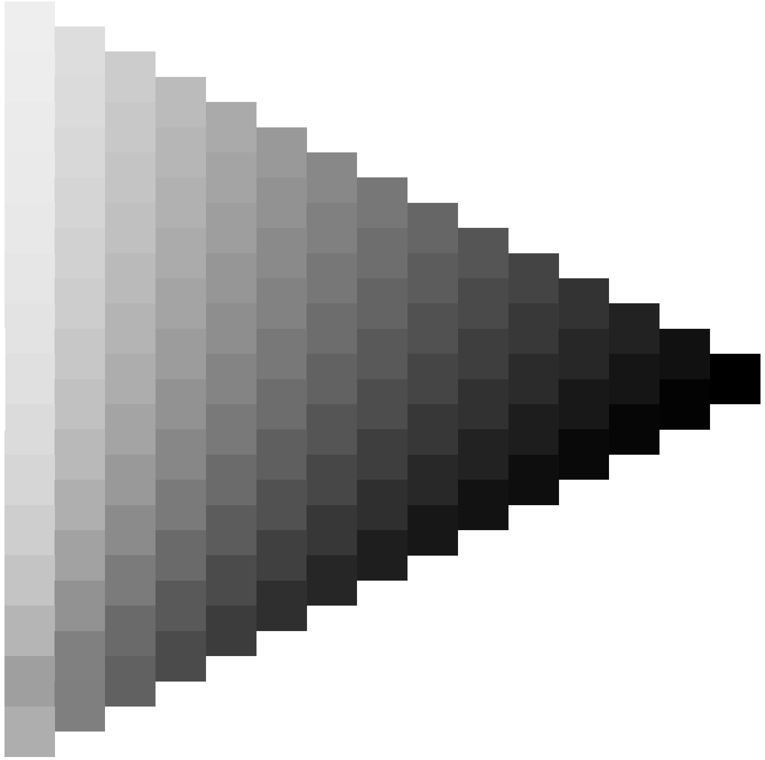
see similar files: http://130.149.60.45/~farbmetrik/QE64/QE64.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE64/QE64L0NP.PDF /.PS
application for measurement of offset print output, separation cmyn6 (CMYK)

TUB material: code=rha4ta







1-003430-L0 QE640-70

TUB-test chart QE64; hue code: H^*_d=Y75G_d
Test chart according to DIN 33872, 3D=0, de=0, *cmyk*

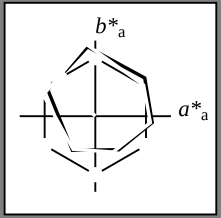
input: *rgb/cmyk* −> rgb_d
output: transfer to $cmyk_d$

1-003430-F0

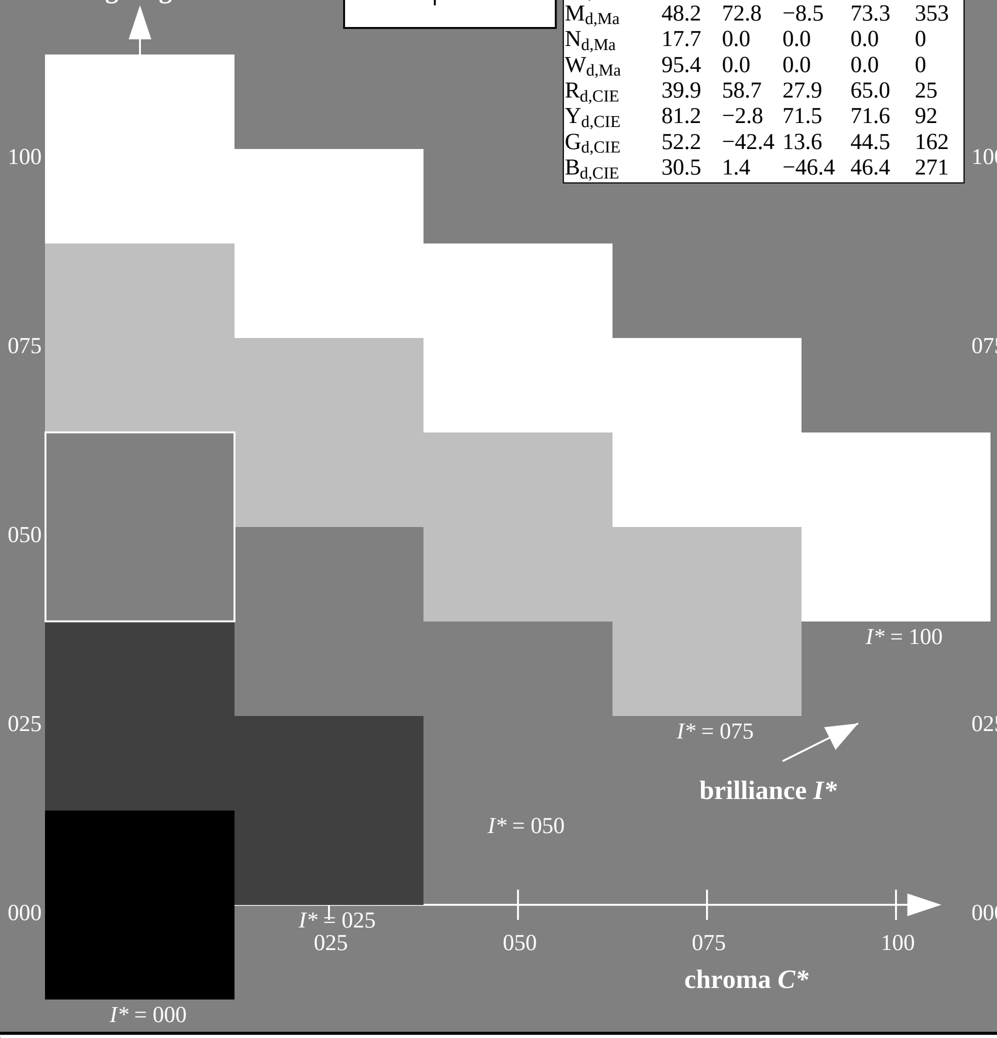
Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel}$ = h_{ab}/360 = 136/360 = 0.37

H^*_d = Y75G$_d$

Data for any device (d) or elementary (e) colour:
***HIC**$_d$*
hue text for the colours of this page:
H^*_d = Y75G$_d$
triangle lightness *T**



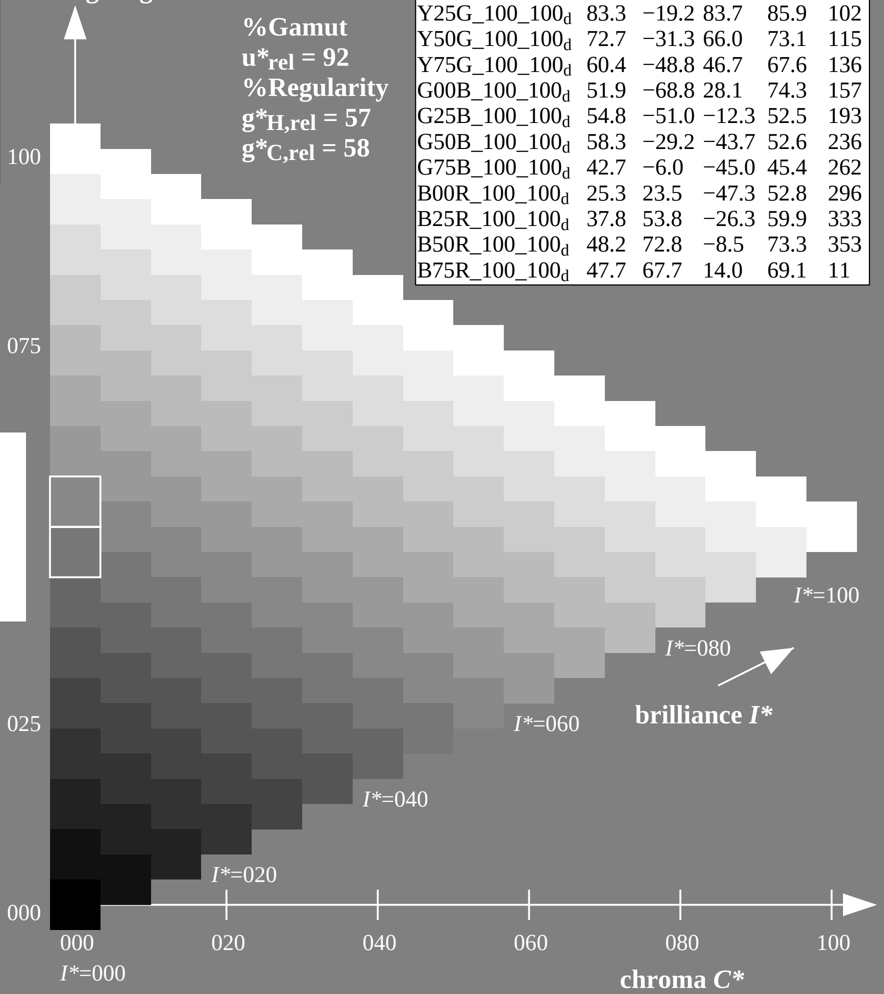
ORS20a; adapted (a) CIELAB data					
name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R_{d,Ma}$	47.3	63.8	41.2	76.0	32
$Y_{d,Ma}$	88.3	−11.9	95.1	95.8	97
$G_{d,Ma}$	51.9	−68.8	28.1	74.3	157
$C_{d,Ma}$	58.3	−29.2	−43.7	52.6	236
$B_{d,Ma}$	25.3	23.5	−47.3	52.8	296
$M_{d,Ma}$	48.2	72.8	−8.5	73.3	353
$N_{d,Ma}$	17.7	0.0	0.0	0.0	0
$W_{d,Ma}$	95.4	0.0	0.0	0.0	0
$R_{d,CIE}$	39.9	58.7	27.9	65.0	25
$Y_{d,CIE}$	81.2	−2.8	71.5	71.6	92
$G_{d,CIE}$	52.2	−42.4	13.6	44.5	162
$B_{d,CIE}$	30.5	1.4	−46.4	46.4	271



Data for maximum colour (Ma):
***LabCh**$_{d,Ma}$*: 60 −48 46 67 136**
***HIC**$_{d,Ma}$*: Y75G_100_100$_d$**
***rgbic**$_{d,Ma}$*:**
0.23 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^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100$_d$	47.3	63.8	41.2	76.0	32
R25Y_100_100$_d$	55.3	45.8	52.2	69.5	48
R50Y_100_100$_d$	67.2	22.6	67.6	71.2	71
R75Y_100_100$_d$	79.9	1.0	83.9	83.9	89
Y00G_100_100$_d$	88.3	−11.9	95.1	95.8	97
Y25G_100_100$_d$	83.3	−19.2	83.7	85.9	102
Y50G_100_100$_d$	72.7	−31.3	66.0	73.1	115
Y75G_100_100$_d$	60.4	−48.8	46.7	67.6	136
G00B_100_100$_d$	51.9	−68.8	28.1	74.3	157
G25B_100_100$_d$	54.8	−51.0	−12.3	52.5	193
G50B_100_100$_d$	58.3	−29.2	−43.7	52.6	236
G75B_100_100$_d$	42.7	−6.0	−45.0	45.4	262
B00R_100_100$_d$	25.3	23.5	−47.3	52.8	296
B25R_100_100$_d$	37.8	53.8	−26.3	59.9	333
B50R_100_100$_d$	48.2	72.8	−8.5	73.3	353
B75R_100_100$_d$	47.7	67.7	14.0	69.1	11



see similar files: http://130.149.60.45/~farbmetrik/QE64/QE64.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE64/QE64L0NP.PDF /.PS
application for measurement of offset print output, separation cmyn6 (CMYK)

TUB material: code=rha4ta

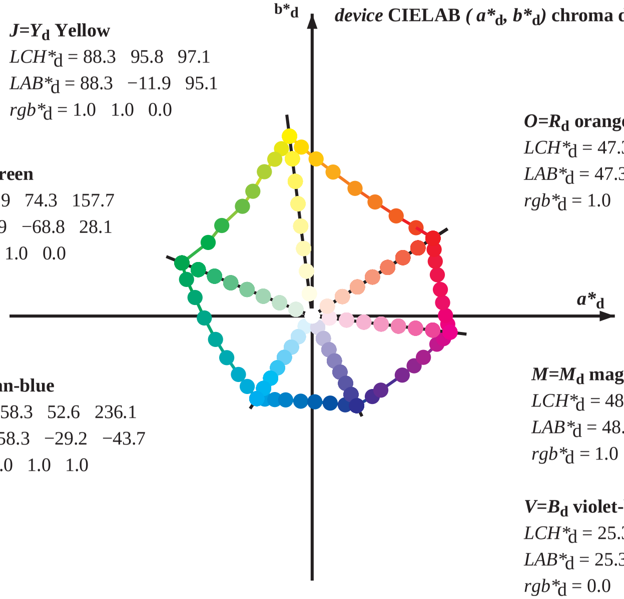
TUB-test chart QE64; hue code: H*$_d$=Y75G$_d$
Test chart according to DIN 33872, 3D=0, de=0, *cmyk*

input: *rgb/cmyk* −> *rgb*$_d$
output: transfer to *cmyk*$_d$

TUB registration: 20130201-QE64/QE64L0NP.PDF /.PS   TUB material: code=rha4ta
application for measurement of offset print output, separation cmyn6 (CMYK)

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6*, 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*$_d$: $h_{ab,d}$ = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3; 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 = 88.3 95.8 97.1
LAB^*_d = 88.3 −11.9 95.1
rgb^*_d = 1.0 1.0 0.0

O=R$_d$ orange-red
LCH^*_d = 47.3 76.0 32.8
LAB^*_d = 47.3 63.8 41.2
rgb^*_d = 1.0 0.0 0.0

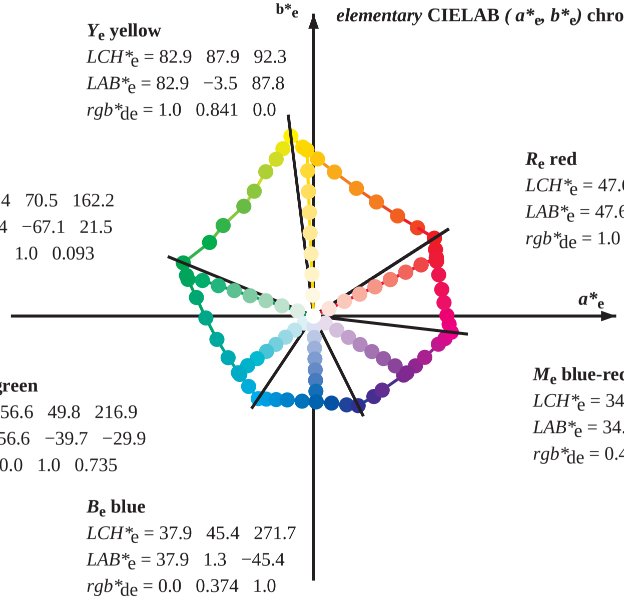
L=G$_d$ leaf-green
LCH^*_d = 51.9 74.3 157.7
LAB^*_d = 51.9 −68.8 28.1
rgb^*_d = 0.0 1.0 0.0

C=C$_d$ cyan-blue
LCH^*_d = 58.3 52.6 236.1
LAB^*_d = 58.3 −29.2 −43.7
rgb^*_d = 0.0 1.0 1.0

M=M$_d$ magenta-red
LCH^*_d = 48.2 73.3 353.3
LAB^*_d = 48.2 72.8 −8.5
rgb^*_d = 1.0 0.0 1.0

V=B$_d$ violet-blue
LCH^*_d = 25.3 52.8 296.4
LAB^*_d = 25.3 23.5 −47.3
rgb^*_d = 0.0 0.0 1.0

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



Y$_e$ yellow
LCH^*_e = 82.9 87.9 92.3
LAB^*_e = 82.9 −3.5 87.8
rgb^*_{de} = 1.0 0.841 0.0

R$_e$ red
LCH^*_e = 47.6 71.9 25.4
LAB^*_e = 47.6 64.9 30.9
rgb^*_{de} = 1.0 0.0 0.209

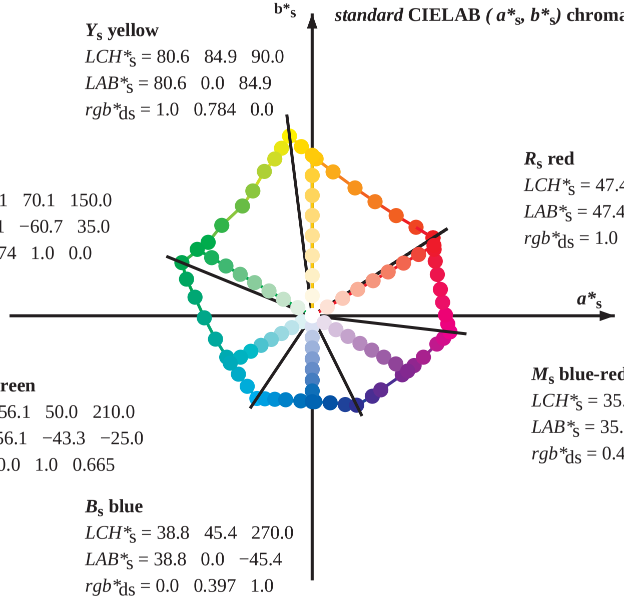
G$_e$ green
LCH^*_e = 52.4 70.5 162.2
LAB^*_e = 52.4 −67.1 21.5
rgb^*_{de} = 0.0 1.0 0.093

C$_e$ blue-green
LCH^*_e = 56.6 49.8 216.9
LAB^*_e = 56.6 −39.7 −29.9
rgb^*_{de} = 0.0 1.0 0.735

M$_e$ blue-red
LCH^*_e = 34.8 57.7 328.6
LAB^*_e = 34.8 49.2 −30.0
rgb^*_{de} = 0.407 0.0 1.0

B$_e$ blue
LCH^*_e = 37.9 45.4 271.7
LAB^*_e = 37.9 1.3 −45.4
rgb^*_{de} = 0.0 0.374 1.0

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



Y$_s$ yellow
LCH^*_s = 80.6 84.9 90.0
LAB^*_s = 80.6 0.0 84.9
rgb^*_{ds} = 1.0 0.784 0.0

G$_s$ green
LCH^*_s = 55.1 70.1 150.0
LAB^*_s = 55.1 −60.7 35.0
rgb^*_{ds} = 0.074 1.0 0.0

R$_s$ red
LCH^*_s = 47.4 74.2 30.0
LAB^*_s = 47.4 64.3 37.1
rgb^*_{ds} = 1.0 0.0 0.084

C$_s$ blue-green
LCH^*_s = 56.1 50.0 210.0
LAB^*_s = 56.1 −43.3 −25.0
rgb^*_{ds} = 0.0 1.0 0.665

M$_s$ blue-red
LCH^*_s = 35.6 58.3 330.0
LAB^*_s = 35.6 50.5 −29.1
rgb^*_{ds} = 0.431 0.0 1.0

B$_s$ blue
LCH^*_s = 38.8 45.4 270.0
LAB^*_s = 38.8 0.0 −45.4
rgb^*_{ds} = 0.0 0.397 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

see similar files: http://130.149.60.45/~farbmetrik/QE64/QE64.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB-test chart QE64; hue code: H*$_d$=Y75G$_d$
48 step hue circles; *rgb−LabCh**tables

input: *rgb/cmyk −> rgb*$_d$
output: transfer to *cmyk*$_d$

QE6400L

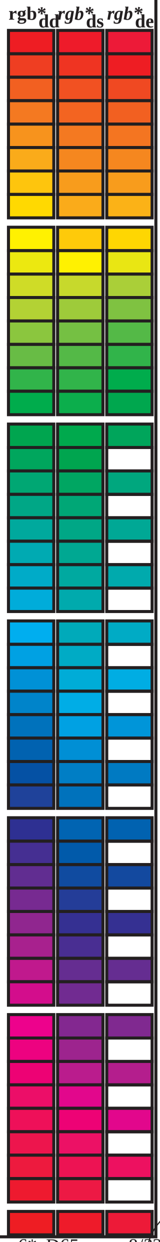
http://130.149.60.45/~farbmetrik/QE64/QE64L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 8/33

TUB registration: 20130201-QE64/QE64L0NP.PDF /.PS
application for measurement of offset print output, separation cmyn6 (CMYK)

TUB material: code=rha4ta

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6*, 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 $RYGCBM_d$: $h_{ab,d}$ = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3; 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)					$rgb^*_{dex361M}$			$LAB^*_{dex361M}$				
32.8	30.0	25.4	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	1.0	0.0	0.0	47.4	63.9	41.2	76.0	32	1.0	0.0	0.084	47.4	64.3	37.1	74.3	30	1.0	0.0	0.209	47.6	64.9	30.9	71.9	25
40.4	37.5	33.8	1.0	0.125	0.0	51.2	54.9	46.7	72.1	40.4	1.0	0.117	0.0	51.0	55.5	46.5	72.4	39	1.0	0.069	0.0	49.5	59.0	44.5	73.9	37	1.0	0.007	0.0	47.6	63.4	41.6	75.8	33
50.0	45.0	42.1	1.0	0.25	0.0	56.0	44.4	53.0	69.1	50.0	1.0	0.25	0.0	56.0	44.4	53.0	69.2	50	1.0	0.185	0.0	53.5	50.0	50.0	70.7	45	1.0	0.148	0.0	52.1	53.0	48.1	71.6	42
61.1	52.5	50.5	1.0	0.375	0.0	61.4	33.2	60.3	68.8	61.1	1.0	0.367	0.0	61.1	34.0	59.9	68.9	60	1.0	0.272	0.0	57.0	42.6	54.5	69.1	52	1.0	0.25	0.0	56.0	44.5	53.0	69.2	49
71.4	60.0	58.8	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4	1.0	0.5	0.0	67.2	22.6	67.6	71.3	71	1.0	0.362	0.0	60.9	34.5	59.7	68.9	60	1.0	0.35	0.0	60.3	35.6	59.0	69.0	58
81.7	67.5	67.2	1.0	0.625	0.0	73.6	11.0	76.1	76.9	81.7	1.0	0.617	0.0	73.2	11.9	75.7	76.6	81	1.0	0.446	0.0	64.7	27.4	64.7	70.3	67	1.0	0.442	0.0	64.5	27.8	64.5	70.2	66
88.5	75.0	75.6	1.0	0.75	0.0	79.2	2.0	83.0	83.1	88.5	1.0	0.75	0.0	79.3	2.0	83.1	83.1	88	1.0	0.543	0.0	69.4	19.0	70.7	73.2	75	1.0	0.55	0.0	69.8	18.3	71.3	73.6	75
93.6	82.5	83.9	1.0	0.875	0.0	84.2	−5.7	89.4	89.6	93.6	1.0	0.867	0.0	84.0	−5.1	89.1	89.2	93	1.0	0.629	0.0	73.8	10.7	76.5	77.2	82	1.0	0.655	0.0	75.0	9.0	77.9	78.5	83
97.1	90.0	92.3	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1	1.0	1.0	0.0	88.4	−11.9	95.1	95.9	97	1.0	0.785	0.0	80.7	0.0	84.9	84.9	90	1.0	0.842	0.0	83.0	−3.4	87.8	87.9	92
100.3	97.5	101.0	0.875	1.0	0.0	85.8	−16.2	88.6	90.0	100.3	0.883	1.0	0.0	86.0	−15.9	89.0	90.5	100	1.0	0.994	0.0	88.2	−11.5	94.8	95.6	97	0.871	1.0	0.0	85.8	−16.2	88.4	89.9	100
103.3	105.0	109.7	0.75	1.0	0.0	82.9	−19.7	83.0	85.3	103.3	0.75	1.0	0.0	83.0	−19.6	83.0	85.3	103	0.709	1.0	0.0	81.0	−21.6	80.9	83.7	105	0.599	1.0	0.0	76.2	−26.6	74.3	78.9	109
108.3	112.5	118.5	0.625	1.0	0.0	77.0	−25.2	76.3	80.4	108.3	0.633	1.0	0.0	77.5	−24.8	76.8	80.8	107	0.56	1.0	0.0	74.9	−28.6	71.1	76.6	112	0.455	1.0	0.0	71.4	−33.4	63.2	71.6	117
115.3	120.0	127.2	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3	0.5	1.0	0.0	72.8	−31.3	66.1	73.1	115	0.418	1.0	0.0	70.3	−35.1	60.9	70.3	120	0.327	1.0	0.0	65.8	−41.3	54.4	68.4	127
122.4	127.5	136.0	0.375	1.0	0.0	68.9	−36.9	58.1	68.8	122.4	0.383	1.0	0.0	69.2	−36.5	58.6	69.1	121	0.329	1.0	0.0	66.0	−41.1	54.6	68.4	127	0.244	1.0	0.0	60.7	−48.1	47.5	67.6	135
134.9	135.0	144.7	0.25	1.0	0.0	60.8	−47.8	47.8	67.6	134.9	0.25	1.0	0.0	60.9	−47.7	47.9	67.7	134	0.249	1.0	0.0	60.9	−47.7	47.8	67.7	135	0.124	1.0	0.0	57.4	−54.9	38.9	67.4	144
144.6	142.5	153.4	0.125	1.0	0.0	57.4	−54.9	38.9	67.3	144.6	0.133	1.0	0.0	57.6	−54.4	39.6	67.4	144	0.159	1.0	0.0	58.4	−53.0	41.5	67.4	142	0.047	1.0	0.0	54.0	−63.8	32.7	71.7	152
157.7	150.0	162.2	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7	0.0	1.0	0.0	52.0	−68.8	28.1	74.4	157	0.074	1.0	0.0	55.2	−60.7	35.1	70.2	150	0.0	1.0	0.093	52.4	−67.0	21.5	70.5	162
163.7	157.5	169.0	0.0	1.0	0.125	52.5	−66.4	19.3	69.1	163.7	0.0	1.0	0.117	52.5	−66.5	19.9	69.5	163	0.008	1.0	0.0	52.3	−68.0	28.9	73.9	157	0.0	1.0	0.209	53.1	−63.5	12.8	64.9	168
170.9	165.0	175.9	0.0	1.0	0.25	53.2	−61.9	9.8	62.7	170.9	0.0	1.0	0.25	53.3	−61.9	9.8	62.8	170	0.0	1.0	0.147	52.7	−65.7	17.6	68.1	165	0.0	1.0	0.311	53.7	−59.7	4.3	59.9	175
181.0	172.5	182.7	0.0	1.0	0.375	54.1	−56.9	−1.0	56.9	181.0	0.0	1.0	0.367	54.0	−57.3	−0.3	57.4	180	0.0	1.0	0.263	53.4	−61.5	8.7	62.2	172	0.0	1.0	0.387	54.2	−56.4	−2.2	56.5	182
193.5	180.0	189.6	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5	0.0	1.0	0.5	54.8	−51.0	−12.2	52.6	193	0.0	1.0	0.362	54.0	−57.5	0.0	57.6	180	0.0	1.0	0.46	54.6	−53.1	−8.9	54.0	189
205.9	187.5	196.4	0.0	1.0	0.625	55.8	−45.1	−21.9	50.1	205.9	0.0	1.0	0.617	55.8	−45.5	−21.3	50.3	205	0.0	1.0	0.434	54.5	−54.4	−6.6	54.9	187	0.0	1.0	0.524	55.0	−50.0	−14.3	52.1	195
218.4	195.0	203.2	0.0	1.0	0.75	56.7	−38.9	−30.9	49.7	218.4	0.0	1.0	0.75	56.8	−38.9	−30.8	49.8	218	0.0	1.0	0.514	55.0	−50.4	−13.4	52.3	195	0.0	1.0	0.598	55.6	−46.5	−19.9	50.7	203
227.3	202.5	210.1	0.0	1.0	0.875	57.5	−34.3	−37.2	50.6	227.3	0.0	1.0	0.867	57.5	−34.6	−36.8	50.6	226	0.0	1.0	0.585	55.5	−47.1	−19.0	50.9	202	0.0	1.0	0.662	56.1	−43.4	−24.7	50.1	209
236.1	210.0	216.9	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1	0.0	1.0	1.0	58.3	−29.2	−43.6	52.6	236	0.0	1.0	0.666	56.1	−43.2	−24.9	50.0	210	0.0	1.0	0.736	56.7	−39.7	−29.9	49.8	216
240.3	217.5	223.8	0.0	0.875	1.0	55.2	−25.0	−43.9	50.5	240.3	0.0	0.883	1.0	55.5	−25.2	−43.8	50.7	240	0.0	1.0	0.736	56.7	−39.7	−29.9	49.8	217	0.0	1.0	0.819	57.2	−36.4	−34.4	50.3	223
245.8	225.0	230.6	0.0	0.75	1.0	51.7	−19.7	−44.1	48.3	245.8	0.0	0.75	1.0	51.8	−19.7	−44.1	48.4	245	0.0	1.0	0.842	57.4	−35.6	−35.6	50.4	225	0.0	1.0	0.922	57.9	−32.5	−39.7	51.4	230
252.5	232.5	237.5	0.0	0.625	1.0	47.7	−13.9	−44.4	46.5	252.5	0.0	0.633	1.0	48.0	−14.2	−44.3	46.7	252	0.0	1.0	0.941	58.0	−31.7	−40.7	51.7	232	0.0	0.974	1.0	57.7	−28.3	−43.7	52.2	237
262.3	240.0	244.3	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3	0.0	0.5	1.0	42.8	−5.9	−44.9	45.4	262	0.0	0.886	1.0	55.5	−25.3	−43.8	50.7	240	0.0	0.785	1.0	52.7	−21.1	−44.1	49.0	244
271.7	247.5	251.2	0.0	0.375	1.0	37.9	1.3	−45.4	45.4	271.7	0.0	0.383	1.0	38.3	0.9	−45.3	45.4	271	0.0	0.729	1.0	51.1	−18.7	−44.2	48.1	247	0.0	0.659	1.0	48.9	−15.4	−44.3	47.1	250
281.6	255.0	258.0	0.0	0.25	1.0	33.3	9.4	−46.0	47.0	281.6	0.0	0.25	1.0	33.3	9.5	−45.9	47.0	281	0.0	0.594	1.0	46.5	−11.9	−44.6	46.3	255	0.0	0.555	1.0	45.0	−9.4	−44.8	45.9	258
290.3	262.5	264.8	0.0	0.125	1.0	28.6	17.4	−46.9	50.1	290.3	0.0	0.133	1.0	28.9	16.9	−46.9	49.9	289	0.0	0.505	1.0	43.0	−6.2	−44.9	45.5	262	0.0	0.472	1.0	41.7	−4.3	−45.1	45.4	264
296.4	270.0	271.7	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4	0.0	0.0	1.0	25.3	23.5	−47.3	52.9	296	0.0	0.398	1.0	38.8	0.0	−45.3	45.4	270	0.0	0.375	1.0	37.9	1.4	−45.3	45.5	271
306.7	277.5	278.8	0.125	0.0	1.0	29.3	31.8	−42.6	53.1	306.7	0.117	0.0	1.0	29.1	31.3	−42.9	53.1	306	0.0	0.309	1.0	35.5	5.6	−45.8	46.3	277	0.0	0.291	1.0	34.9	6.8	−45.9	46.5	278
312.7	285.0	285.9	0.25	0.0	1.0	31.5	36.2	−39.2	53.4	312.7	0.25	0.0	1.0	31.6	36.3	−39.1	53.4	312	0.0	0.202	1.0	31.5	12.5	−46.5	48.2	285	0.0	0.188	1.0	31.0	13.3	−46.6	48.5	285
326.7	292.5	293.0	0.375	0.0	1.0	33.8	47.6	−31.2	56.9	326.7	0.367	0.0	1.0	33.7	46.9	−31.8	56.7	325	0.0	0.091	1.0	27.7	19.1	−47.1	50.9	292	0.0	0.079	1.0	27.4	19.6	−47.1	51.1	292
333.9	300.0	300.1	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9	0.5	0.0	1.0	37.9	53.8	−26.3	59.9	333	0.043	0.0	1.0	26.7	26.5	−45.8	53.0	300	0.046	0.0	1.0	26.8	26.6	−45.7	53.0	300
339.6	307.5	307.2	0.625	0.0	1.0	40.9	58.8	−21.8	62.7	339.6	0.617	0.0	1.0	40.8	58.5	−22.1	62.6	339	0.13	0.0	1.0	29.4	32.0	−42.4	53.2	307	0.126	0.0	1.0	29.4	31.9	−42.5	53.2	306
347.2	315.0	314.3	0.75	0.0	1.0	43.1	65.9	−14.9	67.6	347.2	0.75	0.0	1.0	43.1	66.0	−14.9	67.6	347	0.27	0.0	1.0	31.9	38.2	−38.1	54.0	315	0.265	0.0	1.0	31.8	37.7	−38.4	53.8	314
350.2	322.5	321.4	0.875	0.0	1.0	45.9	69.4	−11.9	70.5	350.2	0.867	0.0	1.0	45.8	69.3	−12.0	70.3	350	0.333	0.0	1.0	33.1	43.9	−34.2	55.8	322	0.324	0.0	1.0	32.9	43.2	−34.8	55.5	321
353.3	330.0	328.6	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3	1.0	0.0	1.0	48.3	72.9	−8.5	73.4	353	0.432	0.0	1.0	35.7	50.5	−29.1	58.3	330	0.407	0.0	1.0	34.9	49.3	−30.0	57.7	328
356.5	337.5	335.7	1.0	0.0	0.875	48.2	71.6	−4.3	71.7	356.5	1.0	0.0	0.883	48.3	71.7	−4.5	71.9	356	0.567	0.0	1.0	39.6	56.6	−23.9	61.5	337	0.529	0.0	1.0	38.6	55.0	−25.3	60.6	335
360.3	345.0	342.8	1.0	0.0	0.75	48.1	70.4	0.3	70.4	360.3	1.0	0.0	0.75	48.2	70.5	0.4	70.5	360	0.713	0.0	1.0	42.5	64.0	−17.0	66.2	345	0.678	0.0	1.0	41.9	61.9	−19.0	64.8	342
365.8	352.5	349.9	1.0	0.0	0.625	48.0	68.9	7.1	69.3	365.8	1.0	0.0	0.633	48.1	69.1	6.7	69.4	365	0.946	0.0	1.0	47.3	71.4	−9.9	72.1	352	0.842	0.0	1.0	45.2	68.6	−12.7	69.8	349
371.6	360.0	357.0	1.0	0.0	0.5	47.7	67.7	14.0	69.1	371.6	1.0	0.0	0.5	47.8	67.7	14.0	69.2	371	1.0	0.0	0.761	48.2	70.6	0.0	70.6	360	0.949	0.0	1.0	47.3	71.5	−9.9	72.2	352
378.2	367.5	364.1	1.0	0.0	0.375	47.7	66.1	21.8	69.6	378.2	1.0	0.0	0.383	47.8	66.3	21.3	69.7	377	1.0	0.0	0.601	48.0	68.8	8.4	69.3	367	1.0	0.0	0.765	48.2	70.6	−0.1	70.6	359
383.9	375.0	371.2	1.0	0.0	0.25	47.7	65.0	28.9	71.2	383.9	1.0	0.0	0.25	47.7	65.1	28.9	71.2	383	1.0	0.0	0.437	47.8	67.1	18.0	69.4	375	1.0	0.0	0.563	47.9	68.4	10.6	69.2	368
388.6	382.5	378.3	1.0	0.0	0.125	47.4	64.4	35.1	73.4	388.6	1.0	0.0	0.133	47.5	64.5	34.8	73.3	388	1.0	0.0	0.293	47.7	65.5	26.5	70.7	382	1.0	0.0	0.408	47.8	66.7	19.8	69.6	376
392.8	390.0	385.4	1.0	0.0	0.0	47.3	63.8	41.2	76.0	392.8	1.0	0.0	0.0	47.4	63.9	41.2	76.0	392	1.0	0.0	0.084	47.4	64.3	37.1	74.3	390	1.0	0.0	0.209	47.6	64.9	30.9	71.9	385



1−003730−L0 QE640−70 LAB*la0, YN=0%, XYZnw=2.4, 2.5, 2.6, 85.1, 88.8, 104.3, LAB*nw=17.7, 0.0, 0.0, 95.5, 0.0, 0.0

Output: Offset standard print; separation cmyn6*, D65, page 8/33

TUB-test chart QE64; hue code: H^*_d=$Y75G_d$
48 step hue circles; *rgb−LabCh**tables

input: *rgb/cmyk −>* rgb_d
output: transfer to $cmyk_d$

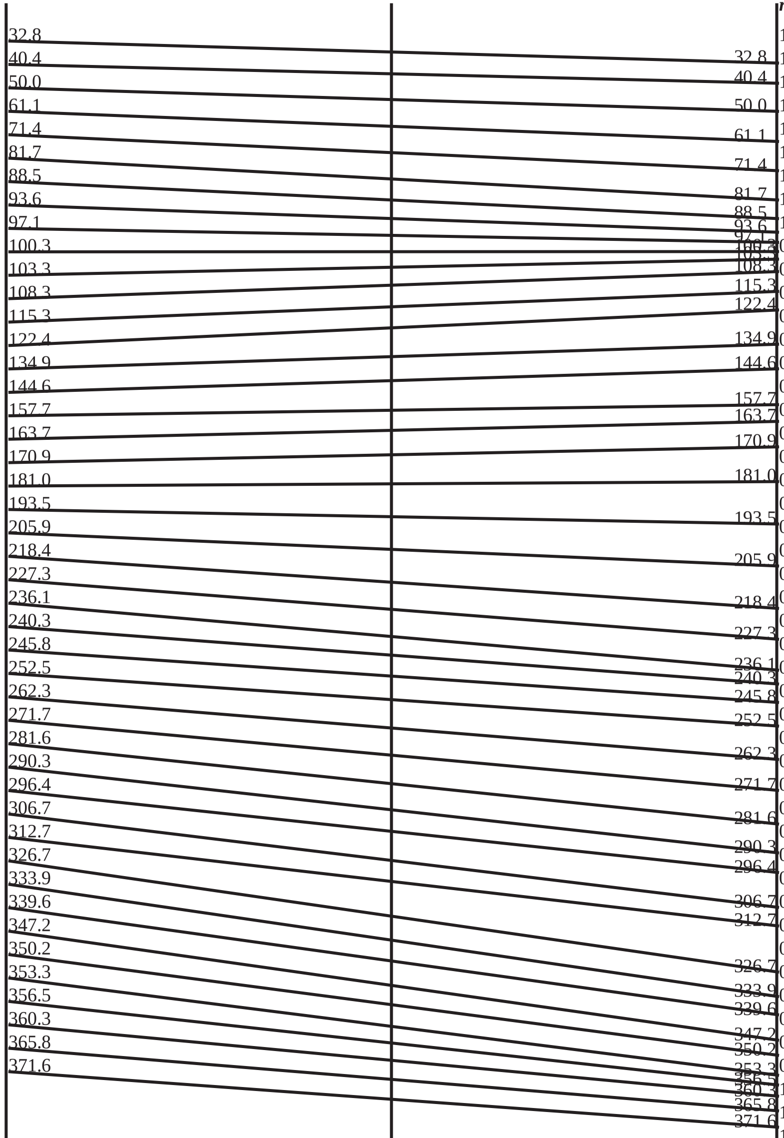
1−003730−F0

see similar files: http://130.149.60.45/~farbmetrik/QE64/QE64.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

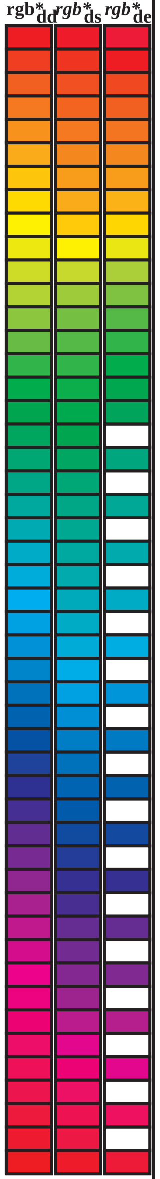
http://130.149.60.45/~farbmetrik/QE64/QE64L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 9/33

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6*, 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*$_d$: $h_{ab,d}$ = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3; 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)				
32.8	30.0	25.4	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
40.4	37.5	33.8	1.0	0.125	0.0	51.2	54.9	46.7	72.1	40.4
50.0	45.0	42.1	1.0	0.25	0.0	56.0	44.4	53.0	69.1	50.0
61.1	52.5	50.5	1.0	0.375	0.0	61.4	33.2	60.3	68.8	61.1
71.4	60.0	58.8	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
81.7	67.5	67.2	1.0	0.625	0.0	73.6	11.0	76.1	76.9	81.7
88.5	75.0	75.6	1.0	0.75	0.0	79.2	2.0	83.0	83.1	88.5
93.6	82.5	83.9	1.0	0.875	0.0	84.2	−5.7	89.4	89.6	93.6
97.1	90.0	92.3	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
100.3	97.5	101.0	0.875	1.0	0.0	85.8	−16.2	88.6	90.0	100.3
103.3	105.0	109.7	0.75	1.0	0.0	82.9	−19.7	83.0	85.3	103.3
108.3	112.5	118.5	0.625	1.0	0.0	77.0	−25.2	76.3	80.4	108.3
115.3	120.0	127.2	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3
122.4	127.5	136.0	0.375	1.0	0.0	68.9	−36.9	58.1	68.8	122.4
134.9	135.0	144.7	0.25	1.0	0.0	60.8	−47.8	47.8	67.6	134.9
144.6	142.5	153.4	0.125	1.0	0.0	57.4	−54.9	38.9	67.3	144.6
157.7	150.0	162.2	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
163.7	157.5	169.0	0.0	1.0	0.125	52.5	−66.4	19.3	69.1	163.7
170.9	165.0	175.9	0.0	1.0	0.25	53.2	−61.9	9.8	62.7	170.9
181.0	172.5	182.7	0.0	1.0	0.375	54.1	−56.9	−1.0	56.9	181.0
193.5	180.0	189.6	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5
205.9	187.5	196.4	0.0	1.0	0.625	55.8	−45.1	−21.9	50.1	205.9
218.4	195.0	203.2	0.0	1.0	0.75	56.7	−38.9	−30.9	49.7	218.4
227.3	202.5	210.1	0.0	1.0	0.875	57.5	−34.3	−37.2	50.6	227.3
236.1	210.0	216.9	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
240.3	217.5	223.8	0.0	0.875	1.0	55.2	−25.0	−43.9	50.5	240.3
245.8	225.0	230.6	0.0	0.75	1.0	51.7	−19.7	−44.1	48.3	245.8
252.5	232.5	237.5	0.0	0.625	1.0	47.7	−13.9	−44.4	46.5	252.5
262.3	240.0	244.3	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3
271.7	247.5	251.2	0.0	0.375	1.0	37.9	1.3	−45.4	45.4	271.7
281.6	255.0	258.0	0.0	0.25	1.0	33.3	9.4	−46.0	47.0	281.6
290.3	262.5	264.8	0.0	0.125	1.0	28.6	17.4	−46.9	50.1	290.3
296.4	270.0	271.7	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
306.7	277.5	278.8	0.125	0.0	1.0	29.3	31.8	−42.6	53.1	306.7
312.7	285.0	285.9	0.25	0.0	1.0	31.5	36.2	−39.2	53.4	312.7
326.7	292.5	293.0	0.375	0.0	1.0	33.8	47.6	−31.2	56.9	326.7
333.9	300.0	300.1	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9
339.6	307.5	307.2	0.625	0.0	1.0	40.9	58.8	−21.8	62.7	339.6
347.2	315.0	314.3	0.75	0.0	1.0	43.1	65.9	−14.9	67.6	347.2
350.2	322.5	321.4	0.875	0.0	1.0	45.9	69.4	−11.9	70.5	350.2
353.3	330.0	328.6	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
356.5	337.5	335.7	1.0	0.0	0.875	48.2	71.6	−4.3	71.7	356.5
360.3	345.0	342.8	1.0	0.0	0.75	48.1	70.4	0.3	70.4	360.3
365.8	352.5	349.9	1.0	0.0	0.625	48.0	68.9	7.1	69.3	365.8
371.6	360.0	357.0	1.0	0.0	0.5	47.7	67.7	14.0	69.1	371.6
378.2	367.5	364.1	1.0	0.0	0.375	47.7	66.1	21.8	69.6	378.2
383.9	375.0	371.2	1.0	0.0	0.25	47.7	65.0	28.9	71.2	383.9
388.6	382.5	378.3	1.0	0.0	0.125	47.4	64.4	35.1	73.4	388.6
392.8	390.0	385.4	1.0	0.0	0.0	47.3	63.8	41.2	76.0	392.8



*rgb**dex361M			*LAB**dex361M				
1.0	0.0	0.209	47.6	64.9	30.9	71.9	25
1.0	0.007	0.0	47.6	63.4	41.6	75.8	33
1.0	0.148	0.0	52.1	53.0	48.1	71.6	42
1.0	0.25	0.0	56.0	44.5	53.0	69.2	49
1.0	0.35	0.0	60.3	35.6	59.0	69.0	58
1.0	0.442	0.0	64.5	27.8	64.5	70.2	66
1.0	0.55	0.0	69.8	18.3	71.3	73.6	75
1.0	0.655	0.0	75.0	9.0	77.9	78.5	83
1.0	0.842	0.0	83.0	−3.4	87.8	87.9	92
0.871	1.0	0.0	85.8	−16.2	88.4	89.9	100
0.599	1.0	0.0	76.2	−26.6	74.3	78.9	109
0.455	1.0	0.0	71.4	−33.4	63.2	71.6	117
0.327	1.0	0.0	65.8	−41.3	54.4	68.4	127
0.244	1.0	0.0	60.7	−48.1	47.5	67.6	135
0.124	1.0	0.0	57.4	−54.9	38.9	67.4	144
0.047	1.0	0.0	54.0	−63.8	32.7	71.7	152
0.0	1.0	0.093	52.4	−67.0	21.5	70.5	162
0.0	1.0	0.209	53.1	−63.5	12.8	64.9	168
0.0	1.0	0.311	53.7	−59.7	4.3	59.9	175
0.0	1.0	0.387	54.2	−56.4	−2.2	56.5	182
0.0	1.0	0.46	54.6	−53.1	−8.9	54.0	189
0.0	1.0	0.524	55.0	−50.0	−14.3	52.1	195
0.0	1.0	0.598	55.6	−46.5	−19.9	50.7	203
0.0	1.0	0.662	56.1	−43.4	−24.7	50.1	209
0.0	1.0	0.736	56.7	−39.7	−29.9	49.8	216
0.0	1.0	0.819	57.2	−36.4	−34.4	50.3	223
0.0	1.0	0.922	57.9	−32.5	−39.7	51.4	230
0.0	0.974	1.0	57.7	−28.3	−43.7	52.2	237
0.0	0.785	1.0	52.7	−21.1	−44.1	49.0	244
0.0	0.659	1.0	48.9	−15.4	−44.3	47.1	250
0.0	0.555	1.0	45.0	−9.4	−44.8	45.9	258
0.0	0.472	1.0	41.7	−4.3	−45.1	45.4	264
0.0	0.375	1.0	37.9	1.4	−45.3	45.5	271
0.0	0.291	1.0	34.9	6.8	−45.9	46.5	278
0.0	0.188	1.0	31.0	13.3	−46.6	48.5	285
0.0	0.079	1.0	27.4	19.6	−47.1	51.1	292
0.046	0.0	1.0	26.8	26.6	−45.7	53.0	300
0.126	0.0	1.0	29.4	31.9	−42.5	53.2	306
0.265	0.0	1.0	31.8	37.7	−38.4	53.8	314
0.324	0.0	1.0	32.9	43.2	−34.8	55.5	321
0.407	0.0	1.0	34.9	49.3	−30.0	57.7	328
0.529	0.0	1.0	38.6	55.0	−25.3	60.6	335
0.678	0.0	1.0	41.9	61.9	−19.0	64.8	342
0.842	0.0	1.0	45.2	68.6	−12.7	69.8	349
0.949	0.0	1.0	47.3	71.5	−9.9	72.2	352
1.0	0.0	0.765	48.2	70.6	−0.1	70.6	359
1.0	0.0	0.563	47.9	68.4	10.6	69.2	368
1.0	0.0	0.408	47.8	66.7	19.8	69.6	376
1.0	0.0	0.209	47.6	64.9	30.9	71.9	385



TUB registration: 20130201-QE64/QE64L0NP.PDF /.PS
application for measurement of offset print output, separation cmyn6 (CMYK)

TUB material: code=rha4ta

1−003830−L0 QE640−70 LAB*la0, YN=0%, XYZnw=2.4, 2.5, 2.6, 85.1, 88.8, 104.3, LAB*nw=17.7, 0.0, 0.0, 95.5, 0.0, 0.0

Output: Offset standard print; separation cmyn6*, D65, page 9/33

TUB-test chart QE64; hue code: H*$_d$=Y75G$_d$
48 step hue circles; *rgb−LabCh**tables

input: *rgb/cmyk −> rgb*$_d$
output: transfer to *cmyk*$_d$

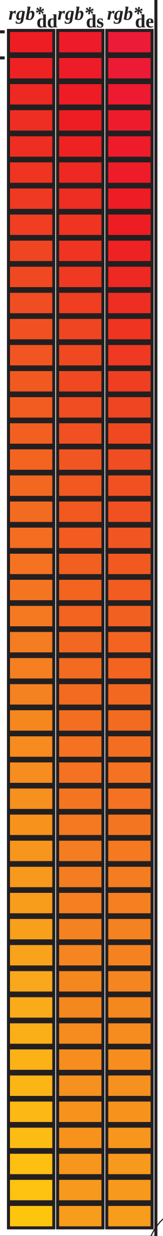
see similar files: http://130.149.60.45/~farbmetrik/QE64/QE64.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

http://130.149.60.45/~farbmetrik/QE64/QE64L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 10/33

TUB registration: 20130201-QE64/QE64L0NP.PDF /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmyn6 (CMYK)

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6*, 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 $RYGCBM_d$: $h_{ab,d}$ = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3; 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		
32	30	25	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32	R_d	1.0	0.0	0.084	47.4	64.3	37.1	74.3	30	R_s	1.0	0.0	0.0	1.0	0.0	0.209	47.6	64.9	30.9	71.9	25	R_e	1.0	0.0	0.0
33	31	26	1.0	0.016	0.0	47.8	62.7	42.0	75.4	33		1.0	0.0	0.054	47.4	64.2	38.6	74.9	31		1.0	0.017	0.0	1.0	0.0	0.18	47.6	64.8	32.4	72.5	26		1.0	0.017	0.0
34	32	27	1.0	0.033	0.0	48.3	61.5	42.8	74.9	34		1.0	0.0	0.025	47.4	64.0	40.0	75.5	32		1.0	0.033	0.0	1.0	0.0	0.15	47.5	64.6	33.9	73.0	27		1.0	0.033	0.0
35	33	28	1.0	0.05	0.0	48.9	60.3	43.6	74.4	35		1.0	0.003	0.0	47.5	63.7	41.3	75.9	33		1.0	0.05	0.0	1.0	0.0	0.119	47.5	64.4	35.5	73.6	28		1.0	0.05	0.0
36	34	29	1.0	0.066	0.0	49.4	59.1	44.3	73.9	36		1.0	0.019	0.0	48.0	62.5	42.2	75.4	34		1.0	0.067	0.0	1.0	0.0	0.086	47.4	64.3	37.0	74.2	29		1.0	0.067	0.0
37	35	31	1.0	0.083	0.0	49.9	57.9	45.1	73.4	37		1.0	0.036	0.0	48.5	61.4	43.0	74.9	35		1.0	0.083	0.0	1.0	0.0	0.053	47.4	64.2	38.6	74.9	31		1.0	0.083	0.0
38	36	32	1.0	0.1	0.0	50.4	56.7	45.7	72.9	38		1.0	0.052	0.0	49.0	60.2	43.7	74.4	36		1.0	0.1	0.0	1.0	0.0	0.02	47.4	64.0	40.2	75.6	32		1.0	0.1	0.0
39	37	33	1.0	0.116	0.0	50.9	55.5	46.4	72.3	39		1.0	0.069	0.0	49.5	59.0	44.5	73.9	37		1.0	0.117	0.0	1.0	0.007	0.0	47.6	63.4	41.6	75.8	33		1.0	0.117	0.0
41	38	34	1.0	0.133	0.0	51.5	54.2	47.2	71.9	41		1.0	0.085	0.0	50.0	57.8	45.2	73.4	38		1.0	0.133	0.0	1.0	0.026	0.0	48.2	62.1	42.5	75.2	34		1.0	0.133	0.0
42	39	35	1.0	0.15	0.0	52.1	52.8	48.1	71.5	42		1.0	0.101	0.0	50.5	56.6	45.9	72.9	39		1.0	0.15	0.0	1.0	0.044	0.0	48.7	60.8	43.4	74.6	35		1.0	0.15	0.0
43	40	36	1.0	0.166	0.0	52.8	51.4	49.0	71.1	43		1.0	0.118	0.0	51.0	55.4	46.5	72.4	40		1.0	0.167	0.0	1.0	0.062	0.0	49.3	59.5	44.2	74.1	36		1.0	0.167	0.0
44	41	37	1.0	0.183	0.0	53.4	50.1	49.9	70.7	44		1.0	0.132	0.0	51.5	54.3	47.2	72.0	41		1.0	0.183	0.0	1.0	0.081	0.0	49.8	58.1	45.0	73.5	37		1.0	0.183	0.0
46	42	38	1.0	0.2	0.0	54.1	48.7	50.7	70.3	46		1.0	0.145	0.0	52.0	53.2	47.9	71.7	42		1.0	0.2	0.0	1.0	0.099	0.0	50.4	56.8	45.8	72.9	38		1.0	0.2	0.0
47	43	39	1.0	0.216	0.0	54.7	47.3	51.5	69.9	47		1.0	0.158	0.0	52.5	52.2	48.7	71.3	43		1.0	0.217	0.0	1.0	0.117	0.0	51.0	55.5	46.5	72.4	39		1.0	0.217	0.0
48	44	41	1.0	0.233	0.0	55.3	45.8	52.2	69.5	48		1.0	0.172	0.0	53.0	51.1	49.3	71.0	44		1.0	0.233	0.0	1.0	0.133	0.0	51.5	54.2	47.3	71.9	41		1.0	0.233	0.0
50	45	42	1.0	0.25	0.0	56.0	44.4	53.0	69.1	50		1.0	0.185	0.0	53.5	50.0	50.0	70.7	45		1.0	0.25	0.0	1.0	0.148	0.0	52.1	53.0	48.1	71.6	42		1.0	0.25	0.0
51	46	43	1.0	0.266	0.0	56.7	43.0	54.1	69.1	51		1.0	0.198	0.0	54.0	48.9	50.7	70.4	46		1.0	0.267	0.0	1.0	0.162	0.0	52.7	51.9	48.9	71.2	43		1.0	0.267	0.0
52	47	44	1.0	0.283	0.0	57.4	41.5	55.1	69.1	52		1.0	0.211	0.0	54.5	47.8	51.3	70.1	47		1.0	0.283	0.0	1.0	0.177	0.0	53.2	50.6	49.6	70.9	44		1.0	0.283	0.0
54	48	45	1.0	0.3	0.0	58.2	40.1	56.2	69.0	54		1.0	0.224	0.0	55.0	46.7	51.9	69.8	48		1.0	0.3	0.0	1.0	0.191	0.0	53.8	49.4	50.4	70.6	45		1.0	0.3	0.0
55	49	46	1.0	0.316	0.0	58.9	38.6	57.1	69.0	55		1.0	0.237	0.0	55.5	45.6	52.4	69.5	49		1.0	0.317	0.0	1.0	0.206	0.0	54.3	48.2	51.1	70.2	46		1.0	0.317	0.0
57	50	47	1.0	0.333	0.0	59.6	37.1	58.1	68.9	57		1.0	0.25	0.0	56.0	44.5	53.0	69.2	50		1.0	0.333	0.0	1.0	0.22	0.0	54.9	47.0	51.7	69.9	47		1.0	0.333	0.0
58	51	48	1.0	0.35	0.0	60.3	35.5	59.0	68.9	58		1.0	0.261	0.0	56.5	43.5	53.7	69.2	51		1.0	0.35	0.0	1.0	0.235	0.0	55.5	45.7	52.4	69.5	48		1.0	0.35	0.0
60	52	49	1.0	0.366	0.0	61.0	34.0	59.9	68.9	60		1.0	0.272	0.0	57.0	42.6	54.5	69.1	52		1.0	0.367	0.0	1.0	0.25	0.0	56.0	44.5	53.0	69.2	49		1.0	0.367	0.0
61	53	51	1.0	0.383	0.0	61.8	32.5	60.8	69.0	61		1.0	0.283	0.0	57.5	41.6	55.2	69.1	53		1.0	0.383	0.0	1.0	0.262	0.0	56.6	43.4	53.8	69.1	51		1.0	0.383	0.0
63	54	52	1.0	0.4	0.0	62.5	31.2	61.9	69.3	63		1.0	0.295	0.0	58.0	40.6	55.9	69.1	54		1.0	0.4	0.0	1.0	0.275	0.0	57.1	42.4	54.6	69.1	52		1.0	0.4	0.0
64	55	53	1.0	0.416	0.0	63.3	29.8	62.9	69.6	64		1.0	0.306	0.0	58.5	39.6	56.6	69.1	55		1.0	0.417	0.0	1.0	0.287	0.0	57.6	41.3	55.4	69.1	53		1.0	0.417	0.0
65	56	54	1.0	0.433	0.0	64.1	28.4	63.9	70.0	65		1.0	0.317	0.0	58.9	38.6	57.2	69.0	56		1.0	0.433	0.0	1.0	0.3	0.0	58.2	40.2	56.2	69.1	54		1.0	0.433	0.0
67	57	55	1.0	0.45	0.0	64.9	27.0	64.9	70.3	67		1.0	0.328	0.0	59.4	37.6	57.9	69.0	57		1.0	0.45	0.0	1.0	0.312	0.0	58.7	39.0	56.9	69.0	55		1.0	0.45	0.0
68	58	56	1.0	0.466	0.0	65.6	25.6	65.8	70.6	68		1.0	0.34	0.0	59.9	36.6	58.5	69.0	58		1.0	0.467	0.0	1.0	0.325	0.0	59.3	37.9	57.7	69.0	56		1.0	0.467	0.0
70	59	57	1.0	0.483	0.0	66.4	24.1	66.7	70.9	70		1.0	0.351	0.0	60.4	35.5	59.1	69.0	59		1.0	0.483	0.0	1.0	0.337	0.0	59.8	36.8	58.4	69.0	57		1.0	0.483	0.0
71	60	58	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71		1.0	0.362	0.0	60.9	34.5	59.7	68.9	60		1.0	0.5	0.0	1.0	0.35	0.0	60.3	35.6	59.0	69.0	58		1.0	0.5	0.0
72	61	60	1.0	0.516	0.0	68.0	21.2	68.8	72.0	72		1.0	0.373	0.0	61.4	33.4	60.3	68.9	61		1.0	0.517	0.0	1.0	0.362	0.0	60.9	34.5	59.7	68.9	60		1.0	0.517	0.0
74	62	61	1.0	0.533	0.0	68.9	19.7	70.0	72.8	74		1.0	0.385	0.0	61.9	32.4	61.0	69.1	62		1.0	0.533	0.0	1.0	0.375	0.0	61.4	33.3	60.3	68.9	61		1.0	0.533	0.0
75	63	62	1.0	0.55	0.0	69.7	18.2	71.2	73.5	75		1.0	0.397	0.0	62.5	31.5	61.8	69.3	63		1.0	0.55	0.0	1.0	0.388	0.0	62.0	32.2	61.2	69.1	62		1.0	0.55	0.0
76	64	63	1.0	0.566	0.0	70.6	16.7	72.4	74.3	76		1.0	0.409	0.0	63.0	30.5	62.5	69.6	64		1.0	0.567	0.0	1.0	0.402	0.0	62.7	31.1	62.0	69.4	63		1.0	0.567	0.0
78	65	64	1.0	0.583	0.0	71.5	15.1	73.5	75.0	78		1.0	0.421	0.0	63.6	29.5	63.2	69.8	65		1.0	0.583	0.0	1.0	0.415	0.0	63.3	30.0	62.9	69.7	64		1.0	0.583	0.0
79	66	65	1.0	0.6	0.0	72.3	13.5	74.6	75.8	79		1.0	0.434	0.0	64.2	28.5	64.0	70.0	66		1.0	0.6	0.0	1.0	0.428	0.0	63.9	28.9	63.7	69.9	65		1.0	0.6	0.0
81	67	66	1.0	0.616	0.0	73.2	11.8	75.6	76.6	81		1.0	0.446	0.0	64.7	27.4	64.7	70.3	67		1.0	0.617	0.0	1.0	0.442	0.0	64.5	27.8	64.5	70.2	66		1.0	0.617	0.0
82	68	67	1.0	0.633	0.0	74.0	10.4	76.6	77.3	82		1.0	0.458	0.0	65.3	26.4	65.4	70.5	68		1.0	0.633	0.0	1.0	0.455	0.0	65.2	26.6	65.2	70.4	67		1.0	0.633	0.0
83	69	68	1.0	0.65	0.0	74.7	9.3	77.6	78.2	83		1.0	0.47	0.0	65.8	25.3	66.0	70.7	69		1.0	0.65	0.0	1.0	0.469	0.0	65.8	25.4	66.0	70.7	68		1.0	0.65	0.0
84	70	70	1.0	0.666	0.0	75.5	8.2	78.6	79.0	84		1.0	0.482	0.0	66.4	24.3	66.7	70.9	70		1.0	0.667	0.0	1.0	0.482	0.0	66.4	24.2	66.7	71.0	70		1.0	0.667	0.0
84	71	71	1.0	0.683	0.0	76.2	7.0	79.5	79.8	84		1.0	0.494	0.0	66.9	23.2	67.3	71.2	71		1.0	0.683	0.0	1.0	0.496	0.0	67.0	23.0	67.4	71.2	71		1.0	0.683	0.0
85	72	72	1.0	0.7	0.0	77.0	5.8	80.4	80.6	85		1.0	0.506	0.0	67.5	22.1	68.1	71.6	72		1.0	0.7	0.0	1.0	0.509	0.0	67.7	21.9	68.3	71.7	72		1.0	0.7	0.0
86	73	73	1.0	0.716	0.0	77.7	4.5	81.3	81.4	86		1.0	0.518	0.0	68.2	21.1	69.0	72.1	73		1.0	0.717	0.0	1.0	0.523	0.0	68.4	20.7	69.3	72.3	73		1.0	0.717	0.0
87	74	74	1.0	0.733	0.0	78.5	3.3	82.2	82.3	87		1.0	0.531	0.0	68.8	20.0	69.9	72.7	74		1.0	0.733	0.0	1.0	0.537	0.0	69.1	19.5	70.3	73.0	74		1.0	0.733	0.0
88	75	75	1.0	0.75	0.0	79.2	2.0	83.0	83.1	88		1.0	0.543	0.0	69.4	19.0	70.7	73.2	75		1.0	0.75	0.0	1.0	0.55	0.0	69.8	18.3	71.3	73.6	75		1.0	0.75	0.0



1−003930−L0 QE640−70 LAB*la0, YN=0%, XYZnw=2.4, 2.5, 2.6, 85.1, 88.8, 104.3, LAB*nw=17.7, 0.0, 0.0, 95.5, 0.0, 0.0

Output: Offset standard print; separation cmyn6*, D65, page 10/33

TUB-test chart QE64; hue code: H^*_d=Y75G_d
48 step hue circles; *rgb−LabCh**tables

input: *rgb/cmyk* −> rgb_d
output: transfer to $cmyk_d$

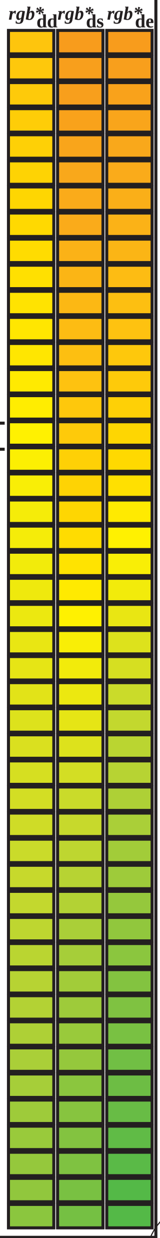
see similar files: http://130.149.60.45/~farbmetrik/QE64/QE64.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

http://130.149.60.45/~farbmetrik/QE64/QE64L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 11/33

see similar files: http://130.149.60.45/~farbmetrik/QE64/QE64.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 cmyn6*, 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*$_d$: $h_{ab,d}$ = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3; 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		
88	75	75	1.0	0.75	0.0	79.2	2.0	83.0	83.1	88		1.0	0.543	0.0	69.4	19.0	70.7	73.2	75		1.0	0.75	0.0	1.0	0.55	0.0	69.8	18.3	71.3	73.6	75		1.0	0.75	0.0
89	76	76	1.0	0.766	0.0	79.9	1.0	83.9	83.9	89		1.0	0.555	0.0	70.0	17.9	71.6	73.8	76		1.0	0.767	0.0	1.0	0.564	0.0	70.5	17.0	72.2	74.2	76		1.0	0.767	0.0
89	77	77	1.0	0.783	0.0	80.6	0.0	84.8	84.8	89		1.0	0.567	0.0	70.7	16.7	72.4	74.3	77		1.0	0.783	0.0	1.0	0.577	0.0	71.2	15.8	73.1	74.8	77		1.0	0.783	0.0
90	78	78	1.0	0.8	0.0	81.2	−0.9	85.7	85.7	90		1.0	0.579	0.0	71.3	15.6	73.3	74.9	78		1.0	0.8	0.0	1.0	0.591	0.0	71.9	14.5	74.0	75.4	78		1.0	0.8	0.0
91	79	80	1.0	0.816	0.0	81.9	−1.9	86.5	86.5	91		1.0	0.591	0.0	71.9	14.4	74.1	75.5	79		1.0	0.817	0.0	1.0	0.604	0.0	72.6	13.1	74.9	76.0	80		1.0	0.817	0.0
91	80	81	1.0	0.833	0.0	82.6	−3.0	87.4	87.4	91		1.0	0.604	0.0	72.5	13.2	74.9	76.0	80		1.0	0.833	0.0	1.0	0.618	0.0	73.3	11.8	75.8	76.7	81		1.0	0.833	0.0
92	81	82	1.0	0.85	0.0	83.2	−4.0	88.2	88.3	92		1.0	0.616	0.0	73.2	12.0	75.6	76.6	81		1.0	0.85	0.0	1.0	0.635	0.0	74.1	10.4	76.8	77.5	82		1.0	0.85	0.0
93	82	83	1.0	0.866	0.0	83.9	−5.1	89.0	89.2	93		1.0	0.629	0.0	73.8	10.7	76.5	77.2	82		1.0	0.867	0.0	1.0	0.655	0.0	75.0	9.0	77.9	78.5	83		1.0	0.867	0.0
93	83	84	1.0	0.883	0.0	84.5	−6.1	89.8	90.0	93		1.0	0.648	0.0	74.7	9.5	77.5	78.1	83		1.0	0.883	0.0	1.0	0.675	0.0	75.9	7.6	79.1	79.5	84		1.0	0.883	0.0
94	84	85	1.0	0.9	0.0	85.1	−6.9	90.6	90.8	94		1.0	0.666	0.0	75.5	8.3	78.6	79.0	84		1.0	0.9	0.0	1.0	0.696	0.0	76.8	6.1	80.2	80.5	85		1.0	0.9	0.0
94	85	86	1.0	0.916	0.0	85.6	−7.7	91.3	91.7	94		1.0	0.684	0.0	76.3	7.0	79.6	79.9	85		1.0	0.917	0.0	1.0	0.716	0.0	77.8	4.6	81.3	81.5	86		1.0	0.917	0.0
95	86	87	1.0	0.933	0.0	86.1	−8.5	92.1	92.5	95		1.0	0.703	0.0	77.1	5.6	80.6	80.8	86		1.0	0.933	0.0	1.0	0.736	0.0	78.7	3.1	82.4	82.5	87		1.0	0.933	0.0
95	87	88	1.0	0.95	0.0	86.7	−9.3	92.9	93.3	95		1.0	0.721	0.0	78.0	4.3	81.6	81.7	87		1.0	0.95	0.0	1.0	0.759	0.0	79.7	1.5	83.6	83.6	88		1.0	0.95	0.0
96	88	90	1.0	0.966	0.0	87.2	−10.2	93.6	94.2	96		1.0	0.739	0.0	78.8	2.9	82.5	82.6	88		1.0	0.967	0.0	1.0	0.787	0.0	80.8	0.0	85.0	85.0	90		1.0	0.967	0.0
96	89	91	1.0	0.983	0.0	87.8	−11.1	94.3	95.0	96		1.0	0.76	0.0	79.7	1.5	83.6	83.6	89		1.0	0.983	0.0	1.0	0.814	0.0	81.9	−1.7	86.5	86.5	91		1.0	0.983	0.0
97	90	92	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97	***Y*$_d$**	1.0	0.785	0.0	80.7	0.0	84.9	84.9	90	***Y*$_s$**	1.0	1.0	0.0	1.0	0.842	0.0	83.0	−3.4	87.8	87.9	92	***Y*$_e$**	1.0	1.0	0.0
97	91	93	0.983	1.0	0.0	88.0	−12.5	94.2	95.1	97		1.0	0.809	0.0	81.7	−1.4	86.2	86.2	91		0.983	1.0	0.0	1.0	0.871	0.0	84.1	−5.3	89.2	89.4	93		0.983	1.0	0.0
98	92	94	0.966	1.0	0.0	87.7	−13.1	93.4	94.3	98		1.0	0.834	0.0	82.7	−3.0	87.5	87.5	92		0.967	1.0	0.0	1.0	0.91	0.0	85.4	−7.3	91.1	91.4	94		0.967	1.0	0.0
98	93	95	0.95	1.0	0.0	87.3	−13.7	92.5	93.5	98		1.0	0.859	0.0	83.6	−4.5	88.7	88.8	93		0.95	1.0	0.0	1.0	0.951	0.0	86.8	−9.4	93.0	93.4	95		0.95	1.0	0.0
98	94	96	0.933	1.0	0.0	87.0	−14.3	91.6	92.7	98		1.0	0.887	0.0	84.7	−6.2	90.0	90.3	94		0.933	1.0	0.0	1.0	0.993	0.0	88.1	−11.5	94.8	95.5	96		0.933	1.0	0.0
99	95	98	0.916	1.0	0.0	86.6	−14.8	90.8	92.0	99		1.0	0.923	0.0	85.8	−7.9	91.7	92.0	95		0.917	1.0	0.0	0.963	1.0	0.0	87.6	−13.2	93.2	94.1	98		0.917	1.0	0.0
99	96	99	0.9	1.0	0.0	86.3	−15.4	89.9	91.2	99		1.0	0.958	0.0	87.0	−9.7	93.3	93.8	96		0.9	1.0	0.0	0.917	1.0	0.0	86.7	−14.8	90.8	92.0	99		0.9	1.0	0.0
100	97	100	0.883	1.0	0.0	86.0	−15.9	89.0	90.4	100		1.0	0.994	0.0	88.2	−11.5	94.8	95.6	97		0.883	1.0	0.0	0.871	1.0	0.0	85.8	−16.2	88.4	89.9	100		0.883	1.0	0.0
100	98	101	0.866	1.0	0.0	85.6	−16.4	88.2	89.7	100		0.968	1.0	0.0	87.7	−13.0	93.5	94.4	98		0.867	1.0	0.0	0.823	1.0	0.0	84.7	−17.7	86.3	88.1	101		0.867	1.0	0.0
100	99	102	0.85	1.0	0.0	85.2	−16.9	87.4	89.1	100		0.929	1.0	0.0	86.9	−14.4	91.4	92.6	99		0.85	1.0	0.0	0.774	1.0	0.0	83.5	−19.0	84.1	86.2	102		0.85	1.0	0.0
101	100	103	0.833	1.0	0.0	84.8	−17.4	86.7	88.4	101		0.89	1.0	0.0	86.2	−15.7	89.4	90.8	100		0.833	1.0	0.0	0.735	1.0	0.0	82.3	−20.3	82.2	84.7	103		0.833	1.0	0.0
101	101	105	0.816	1.0	0.0	84.5	−17.9	86.0	87.8	101		0.849	1.0	0.0	85.3	−16.9	87.5	89.1	101		0.817	1.0	0.0	0.706	1.0	0.0	80.9	−21.7	80.7	83.6	105		0.817	1.0	0.0
102	102	106	0.8	1.0	0.0	84.1	−18.3	85.2	87.2	102		0.807	1.0	0.0	84.3	−18.1	85.6	87.5	102		0.8	1.0	0.0	0.676	1.0	0.0	79.5	−23.0	79.1	82.4	106		0.8	1.0	0.0
102	103	107	0.783	1.0	0.0	83.7	−18.8	84.5	86.5	102		0.765	1.0	0.0	83.3	−19.2	83.7	85.9	103		0.783	1.0	0.0	0.647	1.0	0.0	78.1	−24.3	77.5	81.3	107		0.783	1.0	0.0
102	104	108	0.766	1.0	0.0	83.3	−19.2	83.7	85.9	102		0.734	1.0	0.0	82.2	−20.4	82.2	84.7	104		0.767	1.0	0.0	0.62	1.0	0.0	76.9	−25.5	75.9	80.1	108		0.767	1.0	0.0
103	105	109	0.75	1.0	0.0	82.9	−19.7	83.0	85.3	103		0.709	1.0	0.0	81.0	−21.6	80.9	83.7	105		0.75	1.0	0.0	0.599	1.0	0.0	76.2	−26.6	74.3	78.9	109		0.75	1.0	0.0
104	106	110	0.733	1.0	0.0	82.2	−20.5	82.1	84.6	104		0.684	1.0	0.0	79.9	−22.7	79.5	82.7	106		0.733	1.0	0.0	0.578	1.0	0.0	75.5	−27.7	72.6	77.7	110		0.733	1.0	0.0
104	107	112	0.716	1.0	0.0	81.4	−21.3	81.2	84.0	104		0.658	1.0	0.0	78.7	−23.8	78.2	81.7	107		0.717	1.0	0.0	0.558	1.0	0.0	74.8	−28.7	70.9	76.5	112		0.717	1.0	0.0
105	108	113	0.7	1.0	0.0	80.6	−22.0	80.3	83.3	105		0.633	1.0	0.0	77.5	−24.9	76.8	80.8	108		0.7	1.0	0.0	0.537	1.0	0.0	74.1	−29.7	69.2	75.3	113		0.7	1.0	0.0
106	109	114	0.683	1.0	0.0	79.8	−22.8	79.5	82.7	106		0.613	1.0	0.0	76.7	−25.9	75.4	79.7	109		0.683	1.0	0.0	0.517	1.0	0.0	73.4	−30.6	67.5	74.1	114		0.683	1.0	0.0
106	110	115	0.666	1.0	0.0	79.0	−23.5	78.6	82.0	106		0.595	1.0	0.0	76.1	−26.8	74.0	78.7	110		0.667	1.0	0.0	0.496	1.0	0.0	72.7	−31.5	65.8	73.0	115		0.667	1.0	0.0
107	111	116	0.65	1.0	0.0	78.2	−24.2	77.7	81.4	107		0.578	1.0	0.0	75.5	−27.7	72.5	77.7	111		0.65	1.0	0.0	0.475	1.0	0.0	72.0	−32.5	64.5	72.3	116		0.65	1.0	0.0
107	112	117	0.633	1.0	0.0	77.4	−24.9	76.8	80.7	107		0.56	1.0	0.0	74.9	−28.6	71.1	76.6	112		0.633	1.0	0.0	0.455	1.0	0.0	71.4	−33.4	63.2	71.6	117		0.633	1.0	0.0
108	113	119	0.616	1.0	0.0	76.8	−25.7	75.6	79.9	108		0.542	1.0	0.0	74.2	−29.4	69.6	75.6	113		0.617	1.0	0.0	0.434	1.0	0.0	70.7	−34.4	61.9	70.9	119		0.617	1.0	0.0
109	114	120	0.6	1.0	0.0	76.2	−26.6	74.3	78.9	109		0.525	1.0	0.0	73.6	−30.2	68.1	74.6	114		0.6	1.0	0.0	0.413	1.0	0.0	70.1	−35.3	60.6	70.2	120		0.6	1.0	0.0
110	115	121	0.583	1.0	0.0	75.6	−27.5	72.9	78.0	110		0.507	1.0	0.0	73.0	−31.0	66.7	73.5	115		0.583	1.0	0.0	0.393	1.0	0.0	69.5	−36.1	59.2	69.4	121		0.583	1.0	0.0
111	116	122	0.566	1.0	0.0	75.0	−28.3	71.6	77.0	111		0.489	1.0	0.0	72.5	−31.8	65.4	72.8	116		0.567	1.0	0.0	0.373	1.0	0.0	68.8	−37.0	58.0	68.8	122		0.567	1.0	0.0
112	117	123	0.55	1.0	0.0	74.5	−29.1	70.2	76.0	112		0.471	1.0	0.0	71.9	−32.7	64.3	72.2	117		0.55	1.0	0.0	0.362	1.0	0.0	68.1	−38.1	57.1	68.7	123		0.55	1.0	0.0
113	118	124	0.533	1.0	0.0	73.9	−29.9	68.8	75.0	113		0.454	1.0	0.0	71.4	−33.5	63.2	71.5	118		0.533	1.0	0.0	0.35	1.0	0.0	67.3	−39.2	56.2	68.6	124		0.533	1.0	0.0
114	119	126	0.516	1.0	0.0	73.3	−30.6	67.4	74.1	114		0.436	1.0	0.0	70.8	−34.3	62.0	70.9	119		0.517	1.0	0.0	0.338	1.0	0.0	66.6	−40.3	55.3	68.5	126		0.517	1.0	0.0
115	120	127	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115		0.418	1.0	0.0	70.3	−35.1	60.9	70.3	120		0.5	1.0	0.0	0.327	1.0	0.0	65.8	−41.3	54.4	68.4	127		0.5	1.0	0.0



1−0031030−L0 QE640−70 LAB*la0, YN=0%, XYZnw=2.4, 2.5, 2.6, 85.1, 88.8, 104.3, LAB*nw=17.7, 0.0, 0.0, 95.5, 0.0, 0.0

Output: Offset standard print; separation cmyn6*, D65, page 11/33

TUB-test chart QE64; hue code: H*$_d$=Y75G$_d$
48 step hue circles; *rgb−LabCh**tables

input: *rgb/cmyk* −> *rgb*$_d$
output: transfer to *cmyk*$_d$

1−0031030−F0

TUB registration: 20130201-QE64/QE64L0NP.PDF /.PS
application for measurement of offset print output, separation cmyn6 (CMYK)

TUB material: code=rha4ta

QE6400L

http://130.149.60.45/~farbmetrik/QE64/QE64L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 12/33

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6*, 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*$_d$: $h_{ab,d}$ = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3; 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
115	120	127	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115	0.418	1.0	0.0	70.3	−35.1	60.9	70.3	120	0.5	1.0	0.0	0.327	1.0	0.0	65.8	−41.3	54.4	68.4	127	0.5	1.0	0.0	🟩	🟩	🟩
116	121	128	0.483	1.0	0.0	72.2	−32.1	65.0	72.5	116	0.4	1.0	0.0	69.7	−35.8	59.8	69.7	121	0.483	1.0	0.0	0.315	1.0	0.0	65.1	−42.3	53.5	68.3	128	0.483	1.0	0.0	🟩	🟩	🟩
117	122	129	0.466	1.0	0.0	71.7	−32.9	63.9	71.9	117	0.383	1.0	0.0	69.2	−36.5	58.6	69.1	122	0.467	1.0	0.0	0.303	1.0	0.0	64.3	−43.3	52.5	68.2	129	0.467	1.0	0.0	🟩	🟩	🟩
118	123	130	0.45	1.0	0.0	71.2	−33.7	62.9	71.4	118	0.369	1.0	0.0	68.5	−37.4	57.7	68.8	123	0.45	1.0	0.0	0.292	1.0	0.0	63.6	−44.3	51.5	68.1	130	0.45	1.0	0.0	🟩	🟩	🟩
119	124	131	0.433	1.0	0.0	70.7	−34.5	61.8	70.8	119	0.359	1.0	0.0	67.9	−38.3	56.9	68.7	124	0.433	1.0	0.0	0.28	1.0	0.0	62.8	−45.3	50.6	67.9	131	0.433	1.0	0.0	🟩	🟩	🟩
120	125	133	0.416	1.0	0.0	70.2	−35.2	60.8	70.2	120	0.349	1.0	0.0	67.3	−39.2	56.2	68.6	125	0.417	1.0	0.0	0.269	1.0	0.0	62.1	−46.2	49.5	67.8	133	0.417	1.0	0.0	🟩	🟩	🟩
121	126	134	0.4	1.0	0.0	69.6	−35.9	59.7	69.6	121	0.339	1.0	0.0	66.6	−40.2	55.4	68.5	126	0.4	1.0	0.0	0.257	1.0	0.0	61.3	−47.2	48.5	67.7	134	0.4	1.0	0.0	🟩	🟩	🟩
121	127	135	0.383	1.0	0.0	69.1	−36.5	58.6	69.1	121	0.329	1.0	0.0	66.0	−41.1	54.6	68.4	127	0.383	1.0	0.0	0.244	1.0	0.0	60.7	−48.1	47.5	67.6	135	0.383	1.0	0.0	🟩	🟩	🟩
123	128	136	0.366	1.0	0.0	68.3	−37.7	57.4	68.7	123	0.319	1.0	0.0	65.3	−42.0	53.8	68.3	128	0.367	1.0	0.0	0.229	1.0	0.0	60.3	−49.0	46.5	67.6	136	0.367	1.0	0.0	🟩	🟩	🟩
124	129	137	0.35	1.0	0.0	67.3	−39.2	56.2	68.6	124	0.309	1.0	0.0	64.7	−42.8	53.0	68.2	129	0.35	1.0	0.0	0.214	1.0	0.0	59.9	−49.9	45.4	67.6	137	0.35	1.0	0.0	🟩	🟩	🟩
126	130	138	0.333	1.0	0.0	66.2	−40.8	54.9	68.4	126	0.299	1.0	0.0	64.1	−43.7	52.2	68.1	130	0.333	1.0	0.0	0.199	1.0	0.0	59.5	−50.8	44.4	67.5	138	0.333	1.0	0.0	🟩	🟩	🟩
128	131	140	0.316	1.0	0.0	65.1	−42.3	53.6	68.2	128	0.289	1.0	0.0	63.4	−44.5	51.3	68.0	131	0.317	1.0	0.0	0.184	1.0	0.0	59.1	−51.7	43.3	67.5	140	0.317	1.0	0.0	🟩	🟩	🟩
129	132	141	0.3	1.0	0.0	64.0	−43.7	52.2	68.1	129	0.28	1.0	0.0	62.8	−45.4	50.5	67.9	132	0.3	1.0	0.0	0.169	1.0	0.0	58.6	−52.5	42.2	67.5	141	0.3	1.0	0.0	🟩	🟩	🟩
131	133	142	0.283	1.0	0.0	63.0	−45.1	50.8	67.9	131	0.27	1.0	0.0	62.1	−46.2	49.6	67.8	133	0.283	1.0	0.0	0.154	1.0	0.0	58.2	−53.3	41.1	67.4	142	0.283	1.0	0.0	🟩	🟩	🟩
133	134	143	0.266	1.0	0.0	61.9	−46.5	49.3	67.8	133	0.26	1.0	0.0	61.5	−47.0	48.7	67.8	134	0.267	1.0	0.0	0.139	1.0	0.0	57.8	−54.1	40.0	67.4	143	0.267	1.0	0.0	🟩	🟩	🟩
134	135	144	0.25	1.0	0.0	60.8	−47.8	47.8	67.6	134	0.249	1.0	0.0	60.9	−47.7	47.8	67.7	135	0.25	1.0	0.0	0.124	1.0	0.0	57.4	−54.9	38.9	67.4	144	0.25	1.0	0.0	🟩	🟩	🟩
136	136	145	0.233	1.0	0.0	60.4	−48.8	46.7	67.6	136	0.237	1.0	0.0	60.5	−48.5	47.0	67.6	136	0.233	1.0	0.0	0.113	1.0	0.0	56.9	−56.2	38.1	68.0	145	0.233	1.0	0.0	🟩	🟩	🟩
137	137	147	0.216	1.0	0.0	59.9	−49.8	45.6	67.5	137	0.224	1.0	0.0	60.1	−49.3	46.1	67.6	137	0.217	1.0	0.0	0.102	1.0	0.0	56.4	−57.5	37.3	68.6	147	0.217	1.0	0.0	🟩	🟩	🟩
138	138	148	0.2	1.0	0.0	59.4	−50.8	44.4	67.5	138	0.211	1.0	0.0	59.8	−50.1	45.2	67.6	138	0.2	1.0	0.0	0.091	1.0	0.0	55.9	−58.8	36.4	69.2	148	0.2	1.0	0.0	🟩	🟩	🟩
140	139	149	0.183	1.0	0.0	59.0	−51.8	43.2	67.4	140	0.198	1.0	0.0	59.4	−50.9	44.3	67.5	139	0.183	1.0	0.0	0.08	1.0	0.0	55.4	−60.0	35.6	69.9	149	0.183	1.0	0.0	🟩	🟩	🟩
141	140	150	0.166	1.0	0.0	58.5	−52.7	42.0	67.4	141	0.185	1.0	0.0	59.1	−51.6	43.4	67.5	140	0.167	1.0	0.0	0.069	1.0	0.0	55.0	−61.3	34.6	70.5	150	0.167	1.0	0.0	🟩	🟩	🟩
142	141	151	0.15	1.0	0.0	58.1	−53.6	40.8	67.4	142	0.172	1.0	0.0	58.7	−52.3	42.5	67.5	141	0.15	1.0	0.0	0.058	1.0	0.0	54.5	−62.5	33.7	71.1	151	0.15	1.0	0.0	🟩	🟩	🟩
144	142	152	0.133	1.0	0.0	57.6	−54.5	39.5	67.3	144	0.159	1.0	0.0	58.4	−53.0	41.5	67.4	142	0.133	1.0	0.0	0.047	1.0	0.0	54.0	−63.8	32.7	71.7	152	0.133	1.0	0.0	🟩	🟩	🟩
145	143	154	0.116	1.0	0.0	57.0	−55.9	38.3	67.8	145	0.147	1.0	0.0	58.0	−53.7	40.6	67.4	143	0.117	1.0	0.0	0.035	1.0	0.0	53.5	−65.0	31.7	72.4	154	0.117	1.0	0.0	🟩	🟩	🟩
147	144	155	0.1	1.0	0.0	56.3	−57.8	37.1	68.7	147	0.134	1.0	0.0	57.7	−54.4	39.6	67.4	144	0.1	1.0	0.0	0.024	1.0	0.0	53.0	−66.2	30.6	73.0	155	0.1	1.0	0.0	🟩	🟩	🟩
149	145	156	0.083	1.0	0.0	55.5	−59.7	35.8	69.6	149	0.122	1.0	0.0	57.3	−55.2	38.7	67.5	145	0.083	1.0	0.0	0.013	1.0	0.0	52.5	−67.4	29.5	73.6	156	0.083	1.0	0.0	🟩	🟩	🟩
150	146	157	0.066	1.0	0.0	54.8	−61.6	34.4	70.6	150	0.112	1.0	0.0	56.9	−56.3	38.1	68.0	146	0.067	1.0	0.0	0.002	1.0	0.0	52.0	−68.5	28.3	74.2	157	0.067	1.0	0.0	🟩	🟩	🟩
152	147	158	0.049	1.0	0.0	54.1	−63.4	32.9	71.5	152	0.103	1.0	0.0	56.4	−57.4	37.4	68.6	147	0.05	1.0	0.0	0.0	1.0	0.02	52.1	−68.4	26.7	73.6	158	0.05	1.0	0.0	🟩	🟩	🟩
154	148	159	0.033	1.0	0.0	53.4	−65.3	31.4	72.4	154	0.093	1.0	0.0	56.0	−58.5	36.6	69.1	148	0.033	1.0	0.0	0.0	1.0	0.044	52.2	−68.0	24.9	72.5	159	0.033	1.0	0.0	🟩	🟩	🟩
156	149	161	0.016	1.0	0.0	52.6	−67.1	29.8	73.4	156	0.084	1.0	0.0	55.6	−59.6	35.9	69.7	149	0.017	1.0	0.0	0.0	1.0	0.069	52.3	−67.6	23.2	71.5	161	0.017	1.0	0.0	🟩	🟩	🟩
157	150	162	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157 G_d	0.074	1.0	0.0	55.2	−60.7	35.1	70.2	150 G_s	0.0	1.0	0.0	0.0	1.0	0.093	52.4	−67.0	21.5	70.5	162 G_e	0.0	1.0	0.0	🟩	🟩	🟩
158	151	163	0.0	1.0	0.016	52.0	−68.5	26.9	73.6	158	0.065	1.0	0.0	54.8	−61.8	34.3	70.7	151	0.0	1.0	0.017	0.0	1.0	0.112	52.5	−66.6	20.2	69.7	163	0.0	1.0	0.017	🟩	🟩	🟩
159	152	164	0.0	1.0	0.033	52.1	−68.3	25.7	72.9	159	0.055	1.0	0.0	54.4	−62.8	33.5	71.3	152	0.0	1.0	0.033	0.0	1.0	0.13	52.6	−66.2	18.9	68.9	164	0.0	1.0	0.033	🟩	🟩	🟩
160	153	164	0.0	1.0	0.05	52.2	−68.0	24.5	72.2	160	0.046	1.0	0.0	53.9	−63.9	32.6	71.8	153	0.0	1.0	0.05	0.0	1.0	0.146	52.7	−65.7	17.7	68.1	164	0.0	1.0	0.05	🟩	🟩	🟩
160	154	165	0.0	1.0	0.066	52.2	−67.6	23.3	71.6	160	0.036	1.0	0.0	53.5	−64.9	31.7	72.3	154	0.0	1.0	0.067	0.0	1.0	0.162	52.8	−65.2	16.4	67.3	165	0.0	1.0	0.067	🟩	🟩	🟩
161	155	166	0.0	1.0	0.083	52.3	−67.3	22.1	70.9	161	0.027	1.0	0.0	53.1	−65.9	30.8	72.9	155	0.0	1.0	0.083	0.0	1.0	0.178	52.9	−64.6	15.2	66.5	166	0.0	1.0	0.083	🟩	🟩	🟩
162	156	167	0.0	1.0	0.1	52.4	−66.9	21.0	70.2	162	0.017	1.0	0.0	52.7	−67.0	29.9	73.4	156	0.0	1.0	0.1	0.0	1.0	0.193	53.0	−64.1	14.0	65.7	167	0.0	1.0	0.1	🟩	🟩	🟩
163	157	168	0.0	1.0	0.116	52.5	−66.6	19.9	69.5	163	0.008	1.0	0.0	52.3	−68.0	28.9	73.9	157	0.0	1.0	0.117	0.0	1.0	0.209	53.1	−63.5	12.8	64.9	168	0.0	1.0	0.117	🟩	🟩	🟩
164	158	169	0.0	1.0	0.133	52.6	−66.1	18.6	68.7	164	0.0	1.0	0.004	52.0	−68.7	27.8	74.2	158	0.0	1.0	0.133	0.0	1.0	0.225	53.2	−62.9	11.6	64.1	169	0.0	1.0	0.133	🟩	🟩	🟩
165	159	170	0.0	1.0	0.15	52.7	−65.6	17.3	67.9	165	0.0	1.0	0.025	52.1	−68.3	26.3	73.3	159	0.0	1.0	0.15	0.0	1.0	0.241	53.2	−62.3	10.5	63.3	170	0.0	1.0	0.15	🟩	🟩	🟩
166	160	171	0.0	1.0	0.166	52.8	−65.0	16.0	67.0	166	0.0	1.0	0.046	52.2	−68.0	24.8	72.4	160	0.0	1.0	0.167	0.0	1.0	0.254	53.3	−61.7	9.4	62.6	171	0.0	1.0	0.167	🟩	🟩	🟩
167	161	172	0.0	1.0	0.183	52.9	−64.5	14.7	66.1	167	0.0	1.0	0.067	52.3	−67.6	23.3	71.6	161	0.0	1.0	0.183	0.0	1.0	0.266	53.4	−61.4	8.4	62.0	172	0.0	1.0	0.183	🟩	🟩	🟩
168	162	173	0.0	1.0	0.2	53.0	−63.9	13.4	65.3	168	0.0	1.0	0.088	52.4	−67.1	21.8	70.7	162	0.0	1.0	0.2	0.0	1.0	0.277	53.5	−61.0	7.3	61.5	173	0.0	1.0	0.2	🟩	🟩	🟩
169	163	174	0.0	1.0	0.216	53.1	−63.3	12.2	64.4	169	0.0	1.0	0.109	52.5	−66.7	20.4	69.8	163	0.0	1.0	0.217	0.0	1.0	0.288	53.5	−60.6	6.3	61.0	174	0.0	1.0	0.217	🟩	🟩	🟩
170	164	175	0.0	1.0	0.233	53.2	−62.6	11.0	63.6	170	0.0	1.0	0.129	52.6	−66.2	19.0	69.0	164	0.0	1.0	0.233	0.0	1.0	0.3	53.6	−60.1	5.3	60.5	175	0.0	1.0	0.233	🟩	🟩	🟩
170	165	175	0.0	1.0	0.25	53.2	−61.9	9.8	62.7	170	0.0	1.0	0.147	52.7	−65.7	17.6	68.1	165	0.0	1.0	0.25	0.0	1.0	0.311	53.7	−59.7	4.3	59.9	175	0.0	1.0	0.25	🟩	🟩	🟩

1−0031130−L0 QE640−70 LAB*la0, YN=0%, XYZnw=2.4, 2.5, 2.6, 85.1, 88.8, 104.3, LAB*nw=17.7, 0.0, 0.0, 95.5, 0.0, 0.0

Output: Offset standard print; separation cmyn6*, D65, page 12/33

TUB-test chart QE64; hue code: H*$_d$=Y75G$_d$
48 step hue circles; *rgb−LabCh**tables

input: *rgb/cmyk −> rgb*$_d$
output: transfer to *cmyk*$_d$

1−0031130−F0

TUB registration: 20130201-QE64/QE64L0NP.PDF /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmyn6 (CMYK)

see similar files: http://130.149.60.45/~farbmetrik/QE64/QE64.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

http://130.149.60.45/~farbmetrik/QE64/QE64L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 13/33

TUB registration: 20130201-QE64/QE64L0NP.PDF /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmyn6 (CMYK)

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6*, 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 $RYGCBM_d$: $h_{ab,d}$ = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3; 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
170	165	175	0.0	1.0	0.25	53.2	−61.9	9.8	62.7	170	0.0	1.0	0.147	52.7	−65.7	17.6	68.1	165	0.0	1.0	0.25	0.0	1.0	0.311	53.7	−59.7	4.3	59.9	175	0.0	1.0	0.25	■	■	■
172	166	176	0.0	1.0	0.266	53.4	−61.4	8.2	61.9	172	0.0	1.0	0.164	52.8	−65.1	16.3	67.2	166	0.0	1.0	0.267	0.0	1.0	0.322	53.8	−59.2	3.3	59.4	176	0.0	1.0	0.267	■	■	■
173	167	177	0.0	1.0	0.283	53.5	−60.8	6.7	61.2	173	0.0	1.0	0.181	52.9	−64.5	14.9	66.3	167	0.0	1.0	0.283	0.0	1.0	0.334	53.8	−58.7	2.3	58.9	177	0.0	1.0	0.283	■	■	■
175	168	178	0.0	1.0	0.3	53.6	−60.2	5.2	60.4	175	0.0	1.0	0.198	53.0	−63.9	13.6	65.4	168	0.0	1.0	0.3	0.0	1.0	0.345	53.9	−58.3	1.4	58.4	178	0.0	1.0	0.3	■	■	■
176	169	179	0.0	1.0	0.316	53.7	−59.5	3.7	59.6	176	0.0	1.0	0.216	53.1	−63.2	12.3	64.5	169	0.0	1.0	0.317	0.0	1.0	0.356	54.0	−57.7	0.4	57.8	179	0.0	1.0	0.317	■	■	■
177	170	180	0.0	1.0	0.333	53.8	−58.8	2.3	58.9	177	0.0	1.0	0.233	53.2	−62.6	11.1	63.6	170	0.0	1.0	0.333	0.0	1.0	0.368	54.1	−57.2	−0.4	57.3	180	0.0	1.0	0.333	■	■	■
179	171	181	0.0	1.0	0.35	53.9	−58.1	0.9	58.1	179	0.0	1.0	0.25	53.3	−61.9	9.8	62.8	171	0.0	1.0	0.35	0.0	1.0	0.378	54.1	−56.8	−1.3	56.9	181	0.0	1.0	0.35	■	■	■
180	172	182	0.0	1.0	0.366	54.0	−57.3	−0.4	57.3	180	0.0	1.0	0.263	53.4	−61.5	8.7	62.2	172	0.0	1.0	0.367	0.0	1.0	0.387	54.2	−56.4	−2.2	56.5	182	0.0	1.0	0.367	■	■	■
181	173	183	0.0	1.0	0.383	54.1	−56.6	−1.8	56.6	181	0.0	1.0	0.275	53.5	−61.1	7.5	61.6	173	0.0	1.0	0.383	0.0	1.0	0.396	54.2	−56.0	−3.1	56.2	183	0.0	1.0	0.383	■	■	■
183	174	184	0.0	1.0	0.4	54.2	−55.9	−3.5	56.0	183	0.0	1.0	0.287	53.5	−60.6	6.4	61.0	174	0.0	1.0	0.4	0.0	1.0	0.405	54.3	−55.7	−3.9	55.9	184	0.0	1.0	0.4	■	■	■
185	175	185	0.0	1.0	0.416	54.3	−55.2	−5.0	55.5	185	0.0	1.0	0.3	53.6	−60.1	5.3	60.5	175	0.0	1.0	0.417	0.0	1.0	0.415	54.3	−55.3	−4.8	55.6	185	0.0	1.0	0.417	■	■	■
186	176	185	0.0	1.0	0.433	54.4	−54.5	−6.6	54.9	186	0.0	1.0	0.312	53.7	−59.6	4.2	59.9	176	0.0	1.0	0.433	0.0	1.0	0.424	54.4	−54.9	−5.6	55.3	185	0.0	1.0	0.433	■	■	■
188	177	186	0.0	1.0	0.45	54.5	−53.7	−8.0	54.3	188	0.0	1.0	0.324	53.8	−59.1	3.1	59.3	177	0.0	1.0	0.45	0.0	1.0	0.433	54.4	−54.4	−6.5	54.9	186	0.0	1.0	0.45	■	■	■
190	178	187	0.0	1.0	0.466	54.6	−52.8	−9.5	53.7	190	0.0	1.0	0.337	53.9	−58.6	2.1	58.7	178	0.0	1.0	0.467	0.0	1.0	0.442	54.5	−54.0	−7.3	54.6	187	0.0	1.0	0.467	■	■	■
191	179	188	0.0	1.0	0.483	54.7	−52.0	−10.9	53.1	191	0.0	1.0	0.349	53.9	−58.1	1.0	58.2	179	0.0	1.0	0.483	0.0	1.0	0.451	54.6	−53.6	−8.1	54.3	188	0.0	1.0	0.483	■	■	■
193	180	189	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193	0.0	1.0	0.362	54.0	−57.5	0.0	57.6	180	0.0	1.0	0.5	0.0	1.0	0.46	54.6	−53.1	−8.9	54.0	189	0.0	1.0	0.5	■	■	■
195	181	190	0.0	1.0	0.516	54.9	−50.4	−13.7	52.2	195	0.0	1.0	0.374	54.1	−56.9	−0.9	57.0	181	0.0	1.0	0.517	0.0	1.0	0.469	54.7	−52.6	−9.7	53.6	190	0.0	1.0	0.517	■	■	■
196	182	191	0.0	1.0	0.533	55.1	−49.6	−15.0	51.9	196	0.0	1.0	0.384	54.2	−56.5	−1.9	56.7	182	0.0	1.0	0.533	0.0	1.0	0.479	54.7	−52.2	−10.5	53.3	191	0.0	1.0	0.533	■	■	■
198	183	192	0.0	1.0	0.55	55.2	−48.9	−16.3	51.6	198	0.0	1.0	0.394	54.2	−56.1	−2.8	56.3	183	0.0	1.0	0.55	0.0	1.0	0.488	54.8	−51.7	−11.2	53.0	192	0.0	1.0	0.55	■	■	■
200	184	193	0.0	1.0	0.566	55.3	−48.1	−17.6	51.2	200	0.0	1.0	0.404	54.3	−55.7	−3.8	55.9	184	0.0	1.0	0.567	0.0	1.0	0.497	54.8	−51.2	−12.0	52.7	193	0.0	1.0	0.567	■	■	■
201	185	194	0.0	1.0	0.583	55.5	−47.3	−18.9	50.9	201	0.0	1.0	0.414	54.3	−55.3	−4.7	55.6	185	0.0	1.0	0.583	0.0	1.0	0.506	54.9	−50.8	−12.7	52.5	194	0.0	1.0	0.583	■	■	■
203	186	195	0.0	1.0	0.6	55.6	−46.4	−20.1	50.6	203	0.0	1.0	0.424	54.4	−54.8	−5.7	55.2	186	0.0	1.0	0.6	0.0	1.0	0.515	55.0	−50.4	−13.5	52.3	195	0.0	1.0	0.6	■	■	■
205	187	195	0.0	1.0	0.616	55.7	−45.5	−21.3	50.3	205	0.0	1.0	0.434	54.5	−54.4	−6.6	54.9	187	0.0	1.0	0.617	0.0	1.0	0.524	55.0	−50.0	−14.3	52.1	195	0.0	1.0	0.617	■	■	■
206	188	196	0.0	1.0	0.633	55.8	−44.7	−22.5	50.1	206	0.0	1.0	0.444	54.5	−53.9	−7.5	54.5	188	0.0	1.0	0.633	0.0	1.0	0.534	55.1	−49.6	−15.0	51.9	196	0.0	1.0	0.633	■	■	■
208	189	197	0.0	1.0	0.65	56.0	−44.0	−23.8	50.1	208	0.0	1.0	0.454	54.6	−53.4	−8.4	54.2	189	0.0	1.0	0.65	0.0	1.0	0.543	55.2	−49.2	−15.7	51.7	197	0.0	1.0	0.65	■	■	■
210	190	198	0.0	1.0	0.666	56.1	−43.2	−25.0	50.0	210	0.0	1.0	0.464	54.6	−52.9	−9.2	53.8	190	0.0	1.0	0.667	0.0	1.0	0.552	55.3	−48.7	−16.5	51.6	198	0.0	1.0	0.667	■	■	■
211	191	199	0.0	1.0	0.683	56.2	−42.4	−26.3	49.9	211	0.0	1.0	0.474	54.7	−52.4	−10.1	53.5	191	0.0	1.0	0.683	0.0	1.0	0.561	55.3	−48.3	−17.2	51.4	199	0.0	1.0	0.683	■	■	■
213	192	200	0.0	1.0	0.7	56.3	−41.6	−27.5	49.9	213	0.0	1.0	0.484	54.8	−51.9	−10.9	53.1	192	0.0	1.0	0.7	0.0	1.0	0.571	55.4	−47.9	−17.9	51.2	200	0.0	1.0	0.7	■	■	■
215	193	201	0.0	1.0	0.716	56.5	−40.8	−28.6	49.8	215	0.0	1.0	0.494	54.8	−51.3	−11.8	52.8	193	0.0	1.0	0.717	0.0	1.0	0.58	55.5	−47.4	−18.6	51.0	201	0.0	1.0	0.717	■	■	■
216	194	202	0.0	1.0	0.733	56.6	−39.9	−29.8	49.8	216	0.0	1.0	0.504	54.9	−50.8	−12.6	52.5	194	0.0	1.0	0.733	0.0	1.0	0.589	55.6	−46.9	−19.3	50.9	202	0.0	1.0	0.733	■	■	■
218	195	203	0.0	1.0	0.75	56.7	−38.9	−30.9	49.7	218	0.0	1.0	0.514	55.0	−50.4	−13.4	52.3	195	0.0	1.0	0.75	0.0	1.0	0.598	55.6	−46.5	−19.9	50.7	203	0.0	1.0	0.75	■	■	■
219	196	204	0.0	1.0	0.766	56.8	−38.4	−31.7	49.8	219	0.0	1.0	0.525	55.0	−50.0	−14.3	52.1	196	0.0	1.0	0.767	0.0	1.0	0.607	55.7	−46.0	−20.6	50.5	204	0.0	1.0	0.767	■	■	■
220	197	205	0.0	1.0	0.783	56.9	−37.8	−32.6	49.9	220	0.0	1.0	0.535	55.1	−49.5	−15.1	51.9	197	0.0	1.0	0.783	0.0	1.0	0.617	55.8	−45.5	−21.3	50.3	205	0.0	1.0	0.783	■	■	■
221	198	206	0.0	1.0	0.8	57.0	−37.2	−33.5	50.1	221	0.0	1.0	0.545	55.2	−49.1	−15.9	51.7	198	0.0	1.0	0.8	0.0	1.0	0.626	55.8	−45.0	−21.9	50.2	206	0.0	1.0	0.8	■	■	■
223	199	206	0.0	1.0	0.816	57.1	−36.6	−34.3	50.2	223	0.0	1.0	0.555	55.3	−48.6	−16.7	51.5	199	0.0	1.0	0.817	0.0	1.0	0.635	55.9	−44.6	−22.6	50.2	206	0.0	1.0	0.817	■	■	■
224	200	207	0.0	1.0	0.833	57.3	−36.0	−35.2	50.3	224	0.0	1.0	0.565	55.4	−48.1	−17.5	51.3	200	0.0	1.0	0.833	0.0	1.0	0.644	56.0	−44.2	−23.3	50.1	207	0.0	1.0	0.833	■	■	■
225	201	208	0.0	1.0	0.85	57.4	−35.3	−36.0	50.4	225	0.0	1.0	0.575	55.4	−47.6	−18.2	51.1	201	0.0	1.0	0.85	0.0	1.0	0.653	56.0	−43.8	−24.0	50.1	208	0.0	1.0	0.85	■	■	■
226	202	209	0.0	1.0	0.866	57.5	−34.6	−36.8	50.6	226	0.0	1.0	0.585	55.5	−47.1	−19.0	50.9	202	0.0	1.0	0.867	0.0	1.0	0.662	56.1	−43.4	−24.7	50.1	209	0.0	1.0	0.867	■	■	■
227	203	210	0.0	1.0	0.883	57.6	−34.0	−37.7	50.8	227	0.0	1.0	0.595	55.6	−46.6	−19.7	50.8	203	0.0	1.0	0.883	0.0	1.0	0.672	56.2	−43.0	−25.4	50.0	210	0.0	1.0	0.883	■	■	■
229	204	211	0.0	1.0	0.9	57.7	−33.4	−38.6	51.0	229	0.0	1.0	0.605	55.7	−46.1	−20.5	50.6	204	0.0	1.0	0.9	0.0	1.0	0.681	56.3	−42.5	−26.0	50.0	211	0.0	1.0	0.9	■	■	■
230	205	212	0.0	1.0	0.916	57.8	−32.8	−39.4	51.3	230	0.0	1.0	0.615	55.8	−45.6	−21.2	50.4	205	0.0	1.0	0.917	0.0	1.0	0.69	56.3	−42.1	−26.7	50.0	212	0.0	1.0	0.917	■	■	■
231	206	213	0.0	1.0	0.933	57.9	−32.1	−40.3	51.6	231	0.0	1.0	0.626	55.8	−45.0	−21.9	50.2	206	0.0	1.0	0.933	0.0	1.0	0.699	56.4	−41.6	−27.3	49.9	213	0.0	1.0	0.933	■	■	■
232	207	214	0.0	1.0	0.95	58.0	−31.4	−41.2	51.8	232	0.0	1.0	0.636	55.9	−44.6	−22.7	50.2	207	0.0	1.0	0.95	0.0	1.0	0.708	56.5	−41.1	−28.0	49.9	214	0.0	1.0	0.95	■	■	■
233	208	215	0.0	1.0	0.966	58.1	−30.7	−42.0	52.1	233	0.0	1.0	0.646	56.0	−44.2	−23.4	50.1	208	0.0	1.0	0.967	0.0	1.0	0.717	56.5	−40.7	−28.6	49.9	215	0.0	1.0	0.967	■	■	■
235	209	216	0.0	1.0	0.983	58.2	−30.0	−42.9	52.3	235	0.0	1.0	0.656	56.1	−43.7	−24.2	50.1	209	0.0	1.0	0.983	0.0	1.0	0.726	56.6	−40.2	−29.2	49.8	216	0.0	1.0	0.983	■	■	■
236	210	216	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236 C_d	0.0	1.0	0.666	56.1	−43.2	−24.9	50.0	210 C_s	0.0	1.0	1.0	0.0	1.0	0.736	56.7	−39.7	−29.9	49.8	216 C_e	0.0	1.0	1.0	■	■	■

1−0031230−L0 QE640−70 LAB*la0, YN=0%, XYZnw=2.4, 2.5, 2.6, 85.1, 88.8, 104.3, LAB*nw=17.7, 0.0, 0.0, 95.5, 0.0, 0.0

Output: Offset standard print; separation cmyn6*, D65, page 13/33

TUB-test chart QE64; hue code: H^*_d=Y75G_d
48 step hue circles; *rgb−LabCh**tables

input: *rgb/cmyk* −> rgb_d
output: transfer to $cmyk_d$

see similar files: http://130.149.60.45/~farbmetrik/QE64/QE64.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

1−0031230−F0

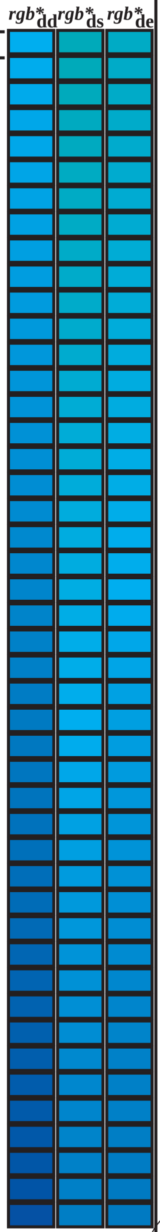
http://130.149.60.45/~farbmetrik/QE64/QE64L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 14/33

TUB registration: 20130201-QE64/QE64L0NP.PDF /.PS
application for measurement of offset print output, separation cmyn6 (CMYK)

TUB material: code=rha4ta

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6*, 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*$_d$: $h_{ab,d}$ = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3; 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		
236	210	216	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236 C_d	0.0	1.0	0.666	56.1	−43.2	−24.9	50.0	210 C_s	0.0	1.0	1.0	0.0	1.0	0.736	56.7	−39.7	−29.9	49.8	216 C_e	0.0	1.0	1.0
236	211	217	0.0	0.983	1.0	57.9	−28.7	−43.7	52.3	236	0.0	1.0	0.676	56.2	−42.8	−25.7	50.0	211	0.0	0.983	1.0	0.0	1.0	0.745	56.7	−39.2	−30.5	49.8	217	0.0	0.983	1.0
237	212	218	0.0	0.966	1.0	57.5	−28.1	−43.8	52.0	237	0.0	1.0	0.686	56.3	−42.3	−26.4	50.0	212	0.0	0.967	1.0	0.0	1.0	0.755	56.8	−38.7	−31.1	49.8	218	0.0	0.967	1.0
237	213	219	0.0	0.95	1.0	57.1	−27.5	−43.8	51.8	237	0.0	1.0	0.696	56.4	−41.8	−27.1	49.9	213	0.0	0.95	1.0	0.0	1.0	0.768	56.9	−38.3	−31.8	49.9	219	0.0	0.95	1.0
238	214	220	0.0	0.933	1.0	56.7	−26.9	−43.9	51.5	238	0.0	1.0	0.706	56.4	−41.3	−27.8	49.9	214	0.0	0.933	1.0	0.0	1.0	0.781	57.0	−37.8	−32.4	50.0	220	0.0	0.933	1.0
238	215	221	0.0	0.916	1.0	56.2	−26.4	−43.9	51.2	238	0.0	1.0	0.716	56.5	−40.8	−28.5	49.9	215	0.0	0.917	1.0	0.0	1.0	0.794	57.0	−37.4	−33.1	50.1	221	0.0	0.917	1.0
239	216	222	0.0	0.9	1.0	55.8	−25.8	−43.9	50.9	239	0.0	1.0	0.726	56.6	−40.2	−29.2	49.8	216	0.0	0.9	1.0	0.0	1.0	0.807	57.1	−36.9	−33.8	50.2	222	0.0	0.9	1.0
240	217	223	0.0	0.883	1.0	55.4	−25.2	−43.9	50.7	240	0.0	1.0	0.736	56.7	−39.7	−29.9	49.8	217	0.0	0.883	1.0	0.0	1.0	0.819	57.2	−36.4	−34.4	50.3	223	0.0	0.883	1.0
240	218	224	0.0	0.866	1.0	55.0	−24.6	−43.9	50.4	240	0.0	1.0	0.746	56.7	−39.1	−30.5	49.8	218	0.0	0.867	1.0	0.0	1.0	0.832	57.3	−36.0	−35.1	50.4	224	0.0	0.867	1.0
241	219	225	0.0	0.85	1.0	54.5	−23.9	−44.0	50.1	241	0.0	1.0	0.758	56.8	−38.6	−31.2	49.8	219	0.0	0.85	1.0	0.0	1.0	0.845	57.4	−35.5	−35.7	50.5	225	0.0	0.85	1.0
242	220	226	0.0	0.833	1.0	54.1	−23.2	−44.0	49.8	242	0.0	1.0	0.772	56.9	−38.1	−32.0	49.9	220	0.0	0.833	1.0	0.0	1.0	0.858	57.5	−35.0	−36.3	50.6	226	0.0	0.833	1.0
242	221	227	0.0	0.816	1.0	53.6	−22.5	−44.1	49.5	242	0.0	1.0	0.786	57.0	−37.7	−32.7	50.0	221	0.0	0.817	1.0	0.0	1.0	0.871	57.5	−34.4	−37.0	50.7	227	0.0	0.817	1.0
243	222	227	0.0	0.8	1.0	53.1	−21.8	−44.1	49.2	243	0.0	1.0	0.8	57.1	−37.2	−33.4	50.1	222	0.0	0.8	1.0	0.0	1.0	0.884	57.6	−33.9	−37.6	50.8	227	0.0	0.8	1.0
244	223	228	0.0	0.783	1.0	52.7	−21.1	−44.1	48.9	244	0.0	1.0	0.814	57.2	−36.6	−34.2	50.2	223	0.0	0.783	1.0	0.0	1.0	0.896	57.7	−33.5	−38.3	51.0	228	0.0	0.783	1.0
245	224	229	0.0	0.766	1.0	52.2	−20.4	−44.1	48.6	245	0.0	1.0	0.828	57.3	−36.1	−34.9	50.3	224	0.0	0.767	1.0	0.0	1.0	0.909	57.8	−33.0	−39.0	51.2	229	0.0	0.767	1.0
245	225	230	0.0	0.75	1.0	51.7	−19.7	−44.1	48.3	245	0.0	1.0	0.842	57.4	−35.6	−35.6	50.4	225	0.0	0.75	1.0	0.0	1.0	0.922	57.9	−32.5	−39.7	51.4	230	0.0	0.75	1.0
246	226	231	0.0	0.733	1.0	51.2	−18.9	−44.2	48.1	246	0.0	1.0	0.856	57.5	−35.0	−36.3	50.5	226	0.0	0.733	1.0	0.0	1.0	0.935	57.9	−32.0	−40.4	51.6	231	0.0	0.733	1.0
247	227	232	0.0	0.716	1.0	50.7	−18.1	−44.3	47.8	247	0.0	1.0	0.87	57.5	−34.4	−36.9	50.7	227	0.0	0.717	1.0	0.0	1.0	0.948	58.0	−31.5	−41.0	51.8	232	0.0	0.717	1.0
248	228	233	0.0	0.7	1.0	50.1	−17.4	−44.3	47.6	248	0.0	1.0	0.884	57.6	−33.9	−37.7	50.8	228	0.0	0.7	1.0	0.0	1.0	0.961	58.1	−30.9	−41.7	52.0	233	0.0	0.7	1.0
249	229	234	0.0	0.683	1.0	49.6	−16.6	−44.3	47.4	249	0.0	1.0	0.899	57.7	−33.4	−38.4	51.1	229	0.0	0.683	1.0	0.0	1.0	0.974	58.2	−30.4	−42.3	52.2	234	0.0	0.683	1.0
250	230	235	0.0	0.666	1.0	49.1	−15.8	−44.4	47.1	250	0.0	1.0	0.913	57.8	−32.9	−39.2	51.3	230	0.0	0.667	1.0	0.0	1.0	0.987	58.3	−29.8	−43.0	52.4	235	0.0	0.667	1.0
251	231	236	0.0	0.65	1.0	48.5	−15.0	−44.4	46.9	251	0.0	1.0	0.927	57.9	−32.3	−39.9	51.5	231	0.0	0.65	1.0	0.0	1.0	0.999	58.3	−29.2	−43.6	52.6	236	0.0	0.65	1.0
252	232	237	0.0	0.633	1.0	48.0	−14.3	−44.4	46.6	252	0.0	1.0	0.941	58.0	−31.7	−40.7	51.7	232	0.0	0.633	1.0	0.0	0.974	1.0	57.7	−28.3	−43.7	52.2	237	0.0	0.633	1.0
253	233	237	0.0	0.616	1.0	47.4	−13.4	−44.5	46.4	253	0.0	1.0	0.955	58.1	−31.2	−41.4	51.9	233	0.0	0.617	1.0	0.0	0.947	1.0	57.0	−27.4	−43.8	51.8	237	0.0	0.617	1.0
254	234	238	0.0	0.6	1.0	46.7	−12.3	−44.6	46.3	254	0.0	1.0	0.969	58.2	−30.6	−42.1	52.2	234	0.0	0.6	1.0	0.0	0.919	1.0	56.4	−26.4	−43.8	51.3	238	0.0	0.6	1.0
255	235	239	0.0	0.583	1.0	46.1	−11.3	−44.7	46.1	255	0.0	1.0	0.983	58.2	−29.9	−42.8	52.4	235	0.0	0.583	1.0	0.0	0.892	1.0	55.7	−25.5	−43.8	50.8	239	0.0	0.583	1.0
257	236	240	0.0	0.566	1.0	45.4	−10.2	−44.8	46.0	257	0.0	1.0	0.997	58.3	−29.3	−43.5	52.6	236	0.0	0.567	1.0	0.0	0.867	1.0	55.0	−24.6	−43.9	50.4	240	0.0	0.567	1.0
258	237	241	0.0	0.55	1.0	44.7	−9.1	−44.9	45.8	258	0.0	0.976	1.0	57.7	−28.4	−43.7	52.2	237	0.0	0.55	1.0	0.0	0.847	1.0	54.5	−23.7	−44.0	50.1	241	0.0	0.55	1.0
259	238	242	0.0	0.533	1.0	44.1	−8.1	−45.0	45.7	259	0.0	0.946	1.0	57.0	−27.3	−43.8	51.7	238	0.0	0.533	1.0	0.0	0.826	1.0	53.9	−22.8	−44.0	49.7	242	0.0	0.533	1.0
261	239	243	0.0	0.516	1.0	43.4	−7.0	−45.0	45.5	261	0.0	0.916	1.0	56.3	−26.3	−43.8	51.2	239	0.0	0.517	1.0	0.0	0.805	1.0	53.3	−22.0	−44.0	49.3	243	0.0	0.517	1.0
262	240	244	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262	0.0	0.886	1.0	55.5	−25.3	−43.8	50.7	240	0.0	0.5	1.0	0.0	0.785	1.0	52.7	−21.1	−44.1	49.0	244	0.0	0.5	1.0
263	241	245	0.0	0.483	1.0	42.1	−5.0	−45.1	45.4	263	0.0	0.861	1.0	54.9	−24.3	−43.9	50.3	241	0.0	0.483	1.0	0.0	0.764	1.0	52.2	−20.2	−44.1	48.6	245	0.0	0.483	1.0
264	242	246	0.0	0.466	1.0	41.4	−4.0	−45.2	45.4	264	0.0	0.838	1.0	54.2	−23.3	−44.0	49.9	242	0.0	0.467	1.0	0.0	0.745	1.0	51.6	−19.4	−44.1	48.3	246	0.0	0.467	1.0
266	243	247	0.0	0.45	1.0	40.8	−3.0	−45.3	45.4	266	0.0	0.815	1.0	53.6	−22.4	−44.0	49.5	243	0.0	0.45	1.0	0.0	0.727	1.0	51.1	−18.6	−44.2	48.1	247	0.0	0.45	1.0
267	244	248	0.0	0.433	1.0	40.2	−2.1	−45.3	45.4	267	0.0	0.793	1.0	53.0	−21.4	−44.1	49.1	244	0.0	0.433	1.0	0.0	0.71	1.0	50.5	−17.8	−44.2	47.8	248	0.0	0.433	1.0
268	245	248	0.0	0.416	1.0	39.5	−1.1	−45.4	45.4	268	0.0	0.77	1.0	52.3	−20.5	−44.1	48.7	245	0.0	0.417	1.0	0.0	0.693	1.0	50.0	−17.0	−44.3	47.6	248	0.0	0.417	1.0
269	246	249	0.0	0.4	1.0	38.9	−0.1	−45.4	45.4	269	0.0	0.748	1.0	51.7	−19.6	−44.1	48.4	246	0.0	0.4	1.0	0.0	0.676	1.0	49.4	−16.2	−44.3	47.3	249	0.0	0.4	1.0
271	247	250	0.0	0.383	1.0	38.2	0.8	−45.4	45.4	271	0.0	0.729	1.0	51.1	−18.7	−44.2	48.1	247	0.0	0.383	1.0	0.0	0.659	1.0	48.9	−15.4	−44.3	47.1	250	0.0	0.383	1.0
272	248	251	0.0	0.366	1.0	37.6	1.8	−45.5	45.5	272	0.0	0.711	1.0	50.5	−17.8	−44.2	47.8	248	0.0	0.367	1.0	0.0	0.642	1.0	48.3	−14.6	−44.3	46.8	251	0.0	0.367	1.0
273	249	252	0.0	0.35	1.0	37.0	2.9	−45.6	45.7	273	0.0	0.692	1.0	49.9	−16.9	−44.3	47.5	249	0.0	0.35	1.0	0.0	0.625	1.0	47.8	−13.8	−44.3	46.6	252	0.0	0.35	1.0
275	250	253	0.0	0.333	1.0	36.4	4.0	−45.7	45.9	275	0.0	0.673	1.0	49.3	−16.1	−44.3	47.3	250	0.0	0.333	1.0	0.0	0.613	1.0	47.3	−13.1	−44.4	46.5	253	0.0	0.333	1.0
276	251	254	0.0	0.316	1.0	35.7	5.1	−45.8	46.1	276	0.0	0.654	1.0	48.7	−15.2	−44.3	47.0	251	0.0	0.317	1.0	0.0	0.602	1.0	46.8	−12.4	−44.6	46.4	254	0.0	0.317	1.0
277	252	255	0.0	0.3	1.0	35.1	6.1	−45.9	46.3	277	0.0	0.636	1.0	48.1	−14.3	−44.3	46.7	252	0.0	0.3	1.0	0.0	0.59	1.0	46.4	−11.6	−44.6	46.3	255	0.0	0.3	1.0
279	253	256	0.0	0.283	1.0	34.5	7.2	−46.0	46.5	279	0.0	0.62	1.0	47.6	−13.5	−44.4	46.5	253	0.0	0.283	1.0	0.0	0.578	1.0	45.9	−10.9	−44.7	46.1	256	0.0	0.283	1.0
280	254	257	0.0	0.266	1.0	33.9	8.3	−46.0	46.7	280	0.0	0.607	1.0	47.1	−12.7	−44.5	46.4	254	0.0	0.267	1.0	0.0	0.567	1.0	45.5	−10.2	−44.8	46.0	257	0.0	0.267	1.0
281	255	258	0.0	0.25	1.0	33.3	9.4	−46.0	47.0	281	0.0	0.594	1.0	46.5	−11.9	−44.6	46.3	255	0.0	0.25	1.0	0.0	0.555	1.0	45.0	−9.4	−44.8	45.9	258	0.0	0.25	1.0



1−0031330−L0 QE640−70 LAB*la0, YN=0%, XYZnw=2.4, 2.5, 2.6, 85.1, 88.8, 104.3, LAB*nw=17.7, 0.0, 0.0, 95.5, 0.0, 0.0

Output: Offset standard print; separation cmyn6*, D65, page 14/33

TUB-test chart QE64; hue code: H^*_d=Y75G_d
48 step hue circles; *rgb−LabCh**tables

input: *rgb/cmyk* −> *rgb*$_d$
output: transfer to *cmyk*$_d$

1−0031330−F0

see similar files: http://130.149.60.45/~farbmetrik/QE64/QE64.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

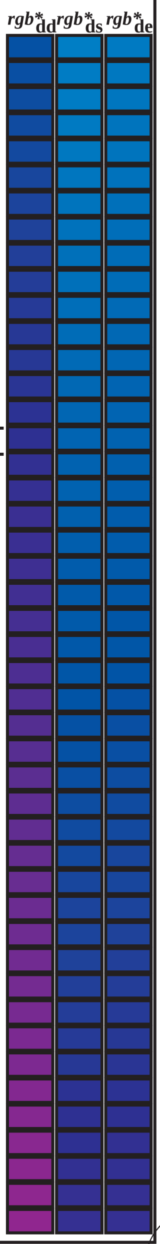
QE6400L

http://130.149.60.45/~farbmetrik/QE64/QE64L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 15/33

TUB registration: 20130201-QE64/QE64L0NP.PDF /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmyn6 (CMYK)

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6*, 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*$_d$: $h_{ab,d}$ = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3; 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		
281	255	258	0.0	0.25	1.0	33.3	9.4	−46.0	47.0	281		0.0	0.594	1.0	46.5	−11.9	−44.6	46.3	255	0.0	0.25	1.0	0.0	0.555	1.0	45.0	−9.4	−44.8	45.9	258	0.0	0.25	1.0
282	256	258	0.0	0.233	1.0	32.7	10.5	−46.2	47.4	282		0.0	0.581	1.0	46.0	−11.1	−44.7	46.2	256	0.0	0.233	1.0	0.0	0.543	1.0	44.5	−8.7	−44.9	45.8	258	0.0	0.233	1.0
283	257	259	0.0	0.216	1.0	32.0	11.5	−46.4	47.8	283		0.0	0.568	1.0	45.5	−10.3	−44.8	46.1	257	0.0	0.217	1.0	0.0	0.532	1.0	44.1	−7.9	−44.9	45.7	259	0.0	0.217	1.0
285	258	260	0.0	0.2	1.0	31.4	12.5	−46.5	48.2	285		0.0	0.556	1.0	45.0	−9.5	−44.8	45.9	258	0.0	0.2	1.0	0.0	0.52	1.0	43.6	−7.2	−44.9	45.6	260	0.0	0.2	1.0
286	259	261	0.0	0.183	1.0	30.8	13.6	−46.7	48.6	286		0.0	0.543	1.0	44.5	−8.6	−44.9	45.8	259	0.0	0.183	1.0	0.0	0.508	1.0	43.1	−6.5	−44.9	45.5	261	0.0	0.183	1.0
287	260	262	0.0	0.166	1.0	30.1	14.7	−46.8	49.0	287		0.0	0.53	1.0	44.0	−7.8	−44.9	45.7	260	0.0	0.167	1.0	0.0	0.497	1.0	42.7	−5.7	−45.0	45.4	262	0.0	0.167	1.0
288	261	263	0.0	0.15	1.0	29.5	15.8	−46.9	49.4	288		0.0	0.517	1.0	43.5	−7.0	−44.9	45.6	261	0.0	0.15	1.0	0.0	0.484	1.0	42.2	−5.0	−45.0	45.4	263	0.0	0.15	1.0
289	262	264	0.0	0.133	1.0	28.9	16.8	−46.9	49.9	289		0.0	0.505	1.0	43.0	−6.2	−44.9	45.5	262	0.0	0.133	1.0	0.0	0.472	1.0	41.7	−4.3	−45.1	45.4	264	0.0	0.133	1.0
290	263	265	0.0	0.116	1.0	28.3	17.8	−47.0	50.3	290		0.0	0.491	1.0	42.5	−5.4	−45.0	45.4	263	0.0	0.117	1.0	0.0	0.46	1.0	41.2	−3.6	−45.2	45.4	265	0.0	0.117	1.0
291	264	266	0.0	0.1	1.0	27.9	18.6	−47.1	50.6	291		0.0	0.478	1.0	41.9	−4.6	−45.1	45.4	264	0.0	0.1	1.0	0.0	0.448	1.0	40.8	−2.9	−45.2	45.4	266	0.0	0.1	1.0
292	265	267	0.0	0.083	1.0	27.5	19.4	−47.1	51.0	292		0.0	0.465	1.0	41.4	−3.9	−45.2	45.4	265	0.0	0.083	1.0	0.0	0.436	1.0	40.3	−2.1	−45.3	45.4	267	0.0	0.083	1.0
293	266	268	0.0	0.066	1.0	27.0	20.2	−47.2	51.4	293		0.0	0.451	1.0	40.9	−3.1	−45.2	45.4	266	0.0	0.067	1.0	0.0	0.423	1.0	39.8	−1.4	−45.3	45.4	268	0.0	0.067	1.0
293	267	269	0.0	0.049	1.0	26.6	21.0	−47.3	51.7	293		0.0	0.438	1.0	40.4	−2.3	−45.3	45.4	267	0.0	0.05	1.0	0.0	0.411	1.0	39.4	−0.7	−45.3	45.4	269	0.0	0.05	1.0
294	268	269	0.0	0.033	1.0	26.2	21.8	−47.3	52.1	294		0.0	0.425	1.0	39.9	−1.5	−45.3	45.4	268	0.0	0.033	1.0	0.0	0.399	1.0	38.9	0.0	−45.3	45.4	269	0.0	0.033	1.0
295	269	270	0.0	0.016	1.0	25.7	22.6	−47.3	52.5	295		0.0	0.411	1.0	39.4	−0.7	−45.3	45.4	269	0.0	0.017	1.0	0.0	0.387	1.0	38.4	0.7	−45.3	45.4	270	0.0	0.017	1.0
296	270	271	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296	B_d	0.0	0.398	1.0	38.8	0.0	−45.3	45.4	270 B_s	0.0	0.0	1.0	0.0	0.375	1.0	37.9	1.4	−45.3	45.5	271 B_e	0.0	0.0	1.0
297	271	272	0.016	0.0	1.0	25.8	24.6	−46.8	52.9	297		0.0	0.385	1.0	38.3	0.8	−45.3	45.4	271	0.017	0.0	1.0	0.0	0.363	1.0	37.5	2.1	−45.5	45.6	272	0.017	0.0	1.0
299	272	273	0.033	0.0	1.0	26.3	25.8	−46.2	52.9	299		0.0	0.371	1.0	37.8	1.6	−45.4	45.5	272	0.033	0.0	1.0	0.0	0.351	1.0	37.1	2.9	−45.6	45.8	273	0.033	0.0	1.0
300	273	274	0.05	0.0	1.0	26.9	26.9	−45.6	52.9	300		0.0	0.359	1.0	37.3	2.4	−45.5	45.7	273	0.05	0.0	1.0	0.0	0.339	1.0	36.6	3.7	−45.7	45.9	274	0.05	0.0	1.0
301	274	275	0.066	0.0	1.0	27.4	28.0	−45.0	53.0	301		0.0	0.346	1.0	36.9	3.2	−45.6	45.8	274	0.067	0.0	1.0	0.0	0.327	1.0	36.2	4.4	−45.7	46.0	275	0.067	0.0	1.0
303	275	276	0.083	0.0	1.0	27.9	29.1	−44.3	53.0	303		0.0	0.334	1.0	36.4	4.0	−45.7	46.0	275	0.083	0.0	1.0	0.0	0.315	1.0	35.7	5.2	−45.8	46.2	276	0.083	0.0	1.0
304	276	277	0.1	0.0	1.0	28.5	30.2	−43.6	53.1	304		0.0	0.321	1.0	36.0	4.8	−45.8	46.1	276	0.1	0.0	1.0	0.0	0.303	1.0	35.3	6.0	−45.9	46.3	277	0.1	0.0	1.0
306	277	278	0.116	0.0	1.0	29.0	31.2	−42.9	53.1	306		0.0	0.309	1.0	35.5	5.6	−45.8	46.3	277	0.117	0.0	1.0	0.0	0.291	1.0	34.9	6.8	−45.9	46.5	278	0.117	0.0	1.0
307	278	279	0.133	0.0	1.0	29.4	32.1	−42.3	53.1	307		0.0	0.296	1.0	35.0	6.5	−45.9	46.4	278	0.133	0.0	1.0	0.0	0.279	1.0	34.4	7.6	−45.9	46.6	279	0.133	0.0	1.0
307	279	280	0.15	0.0	1.0	29.7	32.7	−41.9	53.2	307		0.0	0.283	1.0	34.6	7.3	−45.9	46.6	279	0.15	0.0	1.0	0.0	0.267	1.0	34.0	8.3	−45.9	46.8	280	0.15	0.0	1.0
308	280	281	0.166	0.0	1.0	30.0	33.3	−41.5	53.2	308		0.0	0.271	1.0	34.1	8.1	−45.9	46.7	280	0.167	0.0	1.0	0.0	0.256	1.0	33.5	9.1	−45.9	46.9	281	0.167	0.0	1.0
309	281	282	0.183	0.0	1.0	30.3	33.9	−41.0	53.2	309		0.0	0.258	1.0	33.6	8.9	−45.9	46.9	281	0.183	0.0	1.0	0.0	0.243	1.0	33.1	9.9	−46.0	47.2	282	0.183	0.0	1.0
310	282	283	0.2	0.0	1.0	30.6	34.5	−40.6	53.3	310		0.0	0.245	1.0	33.1	9.8	−46.0	47.1	282	0.2	0.0	1.0	0.0	0.229	1.0	32.5	10.8	−46.2	47.5	283	0.2	0.0	1.0
311	283	284	0.216	0.0	1.0	30.9	35.0	−40.1	53.3	311		0.0	0.231	1.0	32.6	10.7	−46.2	47.5	283	0.217	0.0	1.0	0.0	0.215	1.0	32.0	11.6	−46.3	47.9	284	0.217	0.0	1.0
311	284	285	0.233	0.0	1.0	31.2	35.6	−39.6	53.3	311		0.0	0.216	1.0	32.1	11.6	−46.3	47.8	284	0.233	0.0	1.0	0.0	0.202	1.0	31.5	12.5	−46.5	48.2	285	0.233	0.0	1.0
312	285	285	0.25	0.0	1.0	31.5	36.2	−39.2	53.4	312		0.0	0.202	1.0	31.5	12.5	−46.5	48.2	285	0.25	0.0	1.0	0.0	0.188	1.0	31.0	13.3	−46.6	48.5	285	0.25	0.0	1.0
314	286	286	0.266	0.0	1.0	31.8	37.8	−38.3	53.8	314		0.0	0.188	1.0	31.0	13.4	−46.6	48.6	286	0.267	0.0	1.0	0.0	0.175	1.0	30.5	14.2	−46.7	48.9	286	0.267	0.0	1.0
316	287	287	0.283	0.0	1.0	32.1	39.4	−37.4	54.3	316		0.0	0.173	1.0	30.4	14.3	−46.7	48.9	287	0.283	0.0	1.0	0.0	0.161	1.0	30.0	15.1	−46.8	49.2	287	0.283	0.0	1.0
318	288	288	0.3	0.0	1.0	32.4	40.9	−36.4	54.8	318		0.0	0.159	1.0	29.9	15.2	−46.8	49.3	288	0.3	0.0	1.0	0.0	0.147	1.0	29.5	16.0	−46.8	49.6	288	0.3	0.0	1.0
320	289	289	0.316	0.0	1.0	32.7	42.4	−35.3	55.3	320		0.0	0.145	1.0	29.4	16.2	−46.8	49.6	289	0.317	0.0	1.0	0.0	0.134	1.0	28.9	16.9	−46.9	49.9	289	0.317	0.0	1.0
322	290	290	0.333	0.0	1.0	33.0	43.9	−34.2	55.7	322		0.0	0.13	1.0	28.8	17.1	−46.9	50.0	290	0.333	0.0	1.0	0.0	0.118	1.0	28.4	17.8	−46.9	50.3	290	0.333	0.0	1.0
323	291	291	0.35	0.0	1.0	33.3	45.4	−33.1	56.2	323		0.0	0.112	1.0	28.3	18.1	−47.0	50.4	291	0.35	0.0	1.0	0.0	0.098	1.0	27.9	18.7	−47.0	50.7	291	0.35	0.0	1.0
325	292	292	0.366	0.0	1.0	33.6	46.9	−31.8	56.7	325		0.0	0.091	1.0	27.7	19.1	−47.1	50.9	292	0.367	0.0	1.0	0.0	0.079	1.0	27.4	19.6	−47.1	51.1	292	0.367	0.0	1.0
327	293	293	0.383	0.0	1.0	34.0	48.0	−30.9	57.1	327		0.0	0.07	1.0	27.2	20.1	−47.1	51.3	293	0.383	0.0	1.0	0.0	0.059	1.0	26.9	20.6	−47.2	51.6	293	0.383	0.0	1.0
328	294	294	0.4	0.0	1.0	34.6	48.9	−30.3	57.5	328		0.0	0.05	1.0	26.6	21.1	−47.2	51.8	294	0.4	0.0	1.0	0.0	0.04	1.0	26.4	21.6	−47.2	52.0	294	0.4	0.0	1.0
329	295	295	0.416	0.0	1.0	35.1	49.7	−29.7	57.9	329		0.0	0.029	1.0	26.1	22.1	−47.2	52.2	295	0.417	0.0	1.0	0.0	0.02	1.0	25.9	22.5	−47.3	52.4	295	0.417	0.0	1.0
330	296	296	0.433	0.0	1.0	35.7	50.5	−29.0	58.3	330		0.0	0.008	1.0	25.6	23.1	−47.3	52.7	296	0.433	0.0	1.0	0.0	0.001	1.0	25.3	23.5	−47.3	52.9	296	0.433	0.0	1.0
331	297	297	0.45	0.0	1.0	36.2	51.4	−28.4	58.7	331		0.007	0.0	1.0	25.6	24.0	−47.0	52.9	297	0.45	0.0	1.0	0.011	0.0	1.0	25.7	24.3	−46.9	52.9	297	0.45	0.0	1.0
332	298	298	0.466	0.0	1.0	36.7	52.2	−27.7	59.1	332		0.019	0.0	1.0	25.9	24.8	−46.6	52.9	298	0.467	0.0	1.0	0.023	0.0	1.0	26.1	25.1	−46.5	52.9	298	0.467	0.0	1.0
332	299	299	0.483	0.0	1.0	37.3	53.0	−27.0	59.5	332		0.031	0.0	1.0	26.3	25.7	−46.2	52.9	299	0.483	0.0	1.0	0.034	0.0	1.0	26.4	25.9	−46.1	53.0	299	0.483	0.0	1.0
333	300	300	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333		0.043	0.0	1.0	26.7	26.5	−45.8	53.0	300	0.5	0.0	1.0	0.046	0.0	1.0	26.8	26.6	−45.7	53.0	300	0.5	0.0	1.0



1-0031430-L0 QE640-70 LAB*la0, YN=0%, XYZnw=2.4, 2.5, 2.6, 85.1, 88.8, 104.3, LAB*nw=17.7, 0.0, 0.0, 95.5, 0.0, 0.0

Output: Offset standard print; separation cmyn6*, D65, page 15/33

TUB-test chart QE64; hue code: H^*_d=Y75G_d
48 step hue circles; *rgb−LabCh**tables

input: *rgb/cmyk* −> *rgb*$_d$
output: transfer to *cmyk*$_d$

see similar files: http://130.149.60.45/~farbmetrik/QE64/QE64.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

1-0031430-F0

http://130.149.60.45/~farbmetrik/QE64/QE64L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 16/33

TUB registration: 20130201-QE64/QE64L0NP.PDF /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmyn6 (CMYK)

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6*, 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*$_d$: $h_{ab,d}$ = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3; 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}
333	300	300	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333	0.043	0.0	1.0	26.7	26.5	−45.8	53.0	300	0.5	0.0	1.0	0.046	0.0	1.0	26.8	26.6	−45.7	53.0	300	0.5	0.0	1.0	🟪	🟪	🟪
334	301	301	0.516	0.0	1.0	38.3	54.5	−25.7	60.3	334	0.056	0.0	1.0	27.1	27.3	−45.3	53.0	301	0.517	0.0	1.0	0.057	0.0	1.0	27.2	27.4	−45.3	53.0	301	0.517	0.0	1.0	🟪	🟪	🟪
335	302	302	0.533	0.0	1.0	38.7	55.2	−25.2	60.6	335	0.068	0.0	1.0	27.5	28.1	−44.9	53.0	302	0.533	0.0	1.0	0.068	0.0	1.0	27.5	28.2	−44.8	53.0	302	0.533	0.0	1.0	🟪	🟪	🟪
336	303	303	0.55	0.0	1.0	39.1	55.8	−24.6	61.0	336	0.08	0.0	1.0	27.9	28.9	−44.4	53.1	303	0.55	0.0	1.0	0.08	0.0	1.0	27.9	28.9	−44.4	53.1	303	0.55	0.0	1.0	🟪	🟪	🟪
336	304	303	0.566	0.0	1.0	39.5	56.5	−24.0	61.4	336	0.092	0.0	1.0	28.3	29.7	−43.9	53.1	304	0.567	0.0	1.0	0.091	0.0	1.0	28.3	29.7	−43.9	53.1	303	0.567	0.0	1.0	🟪	🟪	🟪
337	305	304	0.583	0.0	1.0	39.9	57.2	−23.4	61.8	337	0.104	0.0	1.0	28.7	30.5	−43.4	53.1	305	0.583	0.0	1.0	0.103	0.0	1.0	28.6	30.4	−43.5	53.1	304	0.583	0.0	1.0	🟪	🟪	🟪
338	306	305	0.6	0.0	1.0	40.3	57.8	−22.8	62.2	338	0.116	0.0	1.0	29.0	31.2	−42.9	53.1	306	0.6	0.0	1.0	0.114	0.0	1.0	29.0	31.1	−43.0	53.1	305	0.6	0.0	1.0	🟪	🟪	🟪
339	307	306	0.616	0.0	1.0	40.7	58.5	−22.1	62.5	339	0.13	0.0	1.0	29.4	32.0	−42.4	53.2	307	0.617	0.0	1.0	0.126	0.0	1.0	29.4	31.9	−42.5	53.2	306	0.617	0.0	1.0	🟪	🟪	🟪
340	308	307	0.633	0.0	1.0	41.1	59.3	−21.4	63.0	340	0.151	0.0	1.0	29.8	32.8	−41.8	53.2	308	0.633	0.0	1.0	0.146	0.0	1.0	29.7	32.6	−42.0	53.2	307	0.633	0.0	1.0	🟪	🟪	🟪
341	309	308	0.65	0.0	1.0	41.4	60.3	−20.5	63.7	341	0.172	0.0	1.0	30.2	33.5	−41.3	53.3	309	0.65	0.0	1.0	0.166	0.0	1.0	30.1	33.3	−41.5	53.2	308	0.65	0.0	1.0	🟪	🟪	🟪
342	310	309	0.666	0.0	1.0	41.7	61.3	−19.7	64.3	342	0.193	0.0	1.0	30.6	34.3	−40.7	53.3	310	0.667	0.0	1.0	0.186	0.0	1.0	30.4	34.0	−40.9	53.3	309	0.667	0.0	1.0	🟪	🟪	🟪
343	311	310	0.683	0.0	1.0	41.9	62.2	−18.8	65.0	343	0.214	0.0	1.0	30.9	35.0	−40.2	53.3	311	0.683	0.0	1.0	0.205	0.0	1.0	30.8	34.7	−40.4	53.3	310	0.683	0.0	1.0	🟪	🟪	🟪
344	312	311	0.7	0.0	1.0	42.2	63.2	−17.8	65.6	344	0.234	0.0	1.0	31.3	35.7	−39.6	53.4	312	0.7	0.0	1.0	0.225	0.0	1.0	31.1	35.4	−39.8	53.4	311	0.7	0.0	1.0	🟪	🟪	🟪
345	313	312	0.716	0.0	1.0	42.5	64.1	−16.9	66.3	345	0.252	0.0	1.0	31.6	36.5	−39.0	53.5	313	0.717	0.0	1.0	0.245	0.0	1.0	31.5	36.1	−39.3	53.4	312	0.717	0.0	1.0	🟪	🟪	🟪
346	314	313	0.733	0.0	1.0	42.8	65.0	−15.9	66.9	346	0.261	0.0	1.0	31.8	37.3	−38.5	53.7	314	0.733	0.0	1.0	0.256	0.0	1.0	31.7	36.8	−38.8	53.6	313	0.733	0.0	1.0	🟪	🟪	🟪
347	315	314	0.75	0.0	1.0	43.1	65.9	−14.9	67.6	347	0.27	0.0	1.0	31.9	38.2	−38.1	54.0	315	0.75	0.0	1.0	0.265	0.0	1.0	31.8	37.7	−38.4	53.8	314	0.75	0.0	1.0	🟪	🟪	🟪
347	316	315	0.766	0.0	1.0	43.5	66.4	−14.5	68.0	347	0.279	0.0	1.0	32.1	39.0	−37.6	54.2	316	0.767	0.0	1.0	0.273	0.0	1.0	32.0	38.5	−37.9	54.1	315	0.767	0.0	1.0	🟪	🟪	🟪
348	317	316	0.783	0.0	1.0	43.8	66.9	−14.1	68.4	348	0.288	0.0	1.0	32.3	39.8	−37.1	54.5	317	0.783	0.0	1.0	0.282	0.0	1.0	32.1	39.3	−37.4	54.3	316	0.783	0.0	1.0	🟪	🟪	🟪
348	318	317	0.8	0.0	1.0	44.2	67.3	−13.7	68.7	348	0.297	0.0	1.0	32.4	40.7	−36.5	54.7	318	0.8	0.0	1.0	0.29	0.0	1.0	32.3	40.0	−36.9	54.5	317	0.8	0.0	1.0	🟪	🟪	🟪
348	319	318	0.816	0.0	1.0	44.6	67.8	−13.3	69.1	348	0.306	0.0	1.0	32.6	41.5	−36.0	55.0	319	0.817	0.0	1.0	0.299	0.0	1.0	32.4	40.8	−36.4	54.8	318	0.817	0.0	1.0	🟪	🟪	🟪
349	320	319	0.833	0.0	1.0	45.0	68.3	−12.9	69.5	349	0.315	0.0	1.0	32.7	42.3	−35.4	55.2	320	0.833	0.0	1.0	0.307	0.0	1.0	32.6	41.6	−35.9	55.0	319	0.833	0.0	1.0	🟪	🟪	🟪
349	321	320	0.85	0.0	1.0	45.3	68.8	−12.5	69.9	349	0.324	0.0	1.0	32.9	43.1	−34.8	55.5	321	0.85	0.0	1.0	0.315	0.0	1.0	32.7	42.4	−35.4	55.3	320	0.85	0.0	1.0	🟪	🟪	🟪
350	322	321	0.866	0.0	1.0	45.7	69.2	−12.1	70.3	350	0.333	0.0	1.0	33.1	43.9	−34.2	55.8	322	0.867	0.0	1.0	0.324	0.0	1.0	32.9	43.2	−34.8	55.5	321	0.867	0.0	1.0	🟪	🟪	🟪
350	323	321	0.883	0.0	1.0	46.1	69.7	−11.7	70.7	350	0.342	0.0	1.0	33.2	44.7	−33.6	56.0	323	0.883	0.0	1.0	0.332	0.0	1.0	33.0	43.9	−34.2	55.7	321	0.883	0.0	1.0	🟪	🟪	🟪
350	324	322	0.9	0.0	1.0	46.4	70.1	−11.2	71.0	350	0.351	0.0	1.0	33.4	45.5	−33.0	56.3	324	0.9	0.0	1.0	0.341	0.0	1.0	33.2	44.7	−33.7	56.0	322	0.9	0.0	1.0	🟪	🟪	🟪
351	325	323	0.916	0.0	1.0	46.7	70.6	−10.8	71.4	351	0.359	0.0	1.0	33.5	46.3	−32.3	56.5	325	0.917	0.0	1.0	0.349	0.0	1.0	33.4	45.4	−33.1	56.2	323	0.917	0.0	1.0	🟪	🟪	🟪
351	326	324	0.933	0.0	1.0	47.0	71.0	−10.3	71.8	351	0.368	0.0	1.0	33.7	47.1	−31.6	56.8	326	0.933	0.0	1.0	0.358	0.0	1.0	33.5	46.2	−32.4	56.5	324	0.933	0.0	1.0	🟪	🟪	🟪
352	327	325	0.95	0.0	1.0	47.3	71.5	−9.9	72.2	352	0.379	0.0	1.0	34.0	47.9	−31.0	57.1	327	0.95	0.0	1.0	0.366	0.0	1.0	33.7	46.9	−31.8	56.7	325	0.95	0.0	1.0	🟪	🟪	🟪
352	328	326	0.966	0.0	1.0	47.6	71.9	−9.4	72.5	352	0.397	0.0	1.0	34.5	48.7	−30.4	57.5	328	0.967	0.0	1.0	0.375	0.0	1.0	33.8	47.6	−31.2	57.0	326	0.967	0.0	1.0	🟪	🟪	🟪
352	329	327	0.983	0.0	1.0	47.9	72.4	−9.0	72.9	352	0.414	0.0	1.0	35.1	49.6	−29.7	57.9	329	0.983	0.0	1.0	0.391	0.0	1.0	34.3	48.4	−30.6	57.3	327	0.983	0.0	1.0	🟪	🟪	🟪
353	330	328	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353 ***M***$_d$	0.432	0.0	1.0	35.7	50.5	−29.1	58.3	330 ***M***$_s$	1.0	0.0	1.0	0.407	0.0	1.0	34.9	49.3	−30.0	57.7	328 ***M***$_e$	1.0	0.0	1.0	🟪	🟪	🟪
353	331	329	1.0	0.0	0.983	48.2	72.7	−7.9	73.1	353	0.449	0.0	1.0	36.2	51.4	−28.4	58.7	331	1.0	0.0	0.983	0.424	0.0	1.0	35.4	50.1	−29.4	58.1	329	1.0	0.0	0.983	🟪	🟪	🟪
354	332	330	1.0	0.0	0.966	48.2	72.5	−7.4	72.9	354	0.467	0.0	1.0	36.8	52.2	−27.7	59.1	332	1.0	0.0	0.967	0.441	0.0	1.0	35.9	50.9	−28.7	58.5	330	1.0	0.0	0.967	🟪	🟪	🟪
354	333	331	1.0	0.0	0.95	48.2	72.4	−6.8	72.7	354	0.484	0.0	1.0	37.4	53.1	−26.9	59.6	333	1.0	0.0	0.95	0.457	0.0	1.0	36.5	51.8	−28.1	58.9	331	1.0	0.0	0.95	🟪	🟪	🟪
355	334	332	1.0	0.0	0.933	48.2	72.2	−6.2	72.5	355	0.502	0.0	1.0	37.9	53.9	−26.2	60.0	334	1.0	0.0	0.933	0.474	0.0	1.0	37.0	52.6	−27.4	59.3	332	1.0	0.0	0.933	🟪	🟪	🟪
355	335	333	1.0	0.0	0.916	48.2	72.0	−5.7	72.3	355	0.524	0.0	1.0	38.5	54.8	−25.5	60.5	335	1.0	0.0	0.917	0.49	0.0	1.0	37.6	53.4	−26.7	59.7	333	1.0	0.0	0.917	🟪	🟪	🟪
355	336	334	1.0	0.0	0.9	48.2	71.9	−5.1	72.1	355	0.546	0.0	1.0	39.0	55.7	−24.7	61.0	336	1.0	0.0	0.9	0.508	0.0	1.0	38.1	54.2	−26.0	60.1	334	1.0	0.0	0.9	🟪	🟪	🟪
356	337	335	1.0	0.0	0.883	48.2	71.7	−4.6	71.8	356	0.567	0.0	1.0	39.6	56.6	−23.9	61.5	337	1.0	0.0	0.883	0.529	0.0	1.0	38.6	55.0	−25.3	60.6	335	1.0	0.0	0.883	🟪	🟪	🟪
356	338	336	1.0	0.0	0.866	48.2	71.5	−4.0	71.7	356	0.589	0.0	1.0	40.1	57.5	−23.1	62.0	338	1.0	0.0	0.867	0.55	0.0	1.0	39.1	55.9	−24.6	61.1	336	1.0	0.0	0.867	🟪	🟪	🟪
357	339	337	1.0	0.0	0.85	48.2	71.4	−3.3	71.5	357	0.611	0.0	1.0	40.7	58.3	−22.3	62.5	339	1.0	0.0	0.85	0.57	0.0	1.0	39.6	56.7	−23.8	61.5	337	1.0	0.0	0.85	🟪	🟪	🟪
357	340	338	1.0	0.0	0.833	48.2	71.3	−2.7	71.3	357	0.631	0.0	1.0	41.1	59.2	−21.5	63.0	340	1.0	0.0	0.833	0.591	0.0	1.0	40.2	57.5	−23.0	62.0	338	1.0	0.0	0.833	🟪	🟪	🟪
358	341	339	1.0	0.0	0.816	48.2	71.1	−2.1	71.1	358	0.648	0.0	1.0	41.4	60.2	−20.6	63.7	341	1.0	0.0	0.817	0.612	0.0	1.0	40.7	58.3	−22.3	62.5	339	1.0	0.0	0.817	🟪	🟪	🟪
358	342	339	1.0	0.0	0.8	48.2	70.9	−1.4	71.0	358	0.664	0.0	1.0	41.7	61.1	−19.8	64.3	342	1.0	0.0	0.8	0.631	0.0	1.0	41.1	59.2	−21.5	63.0	339	1.0	0.0	0.8	🟪	🟪	🟪
359	343	340	1.0	0.0	0.783	48.1	70.8	−0.8	70.8	359	0.68	0.0	1.0	41.9	62.1	−18.9	64.9	343	1.0	0.0	0.783	0.646	0.0	1.0	41.4	60.1	−20.7	63.6	340	1.0	0.0	0.783	🟪	🟪	🟪
359	344	341	1.0	0.0	0.766	48.1	70.6	−0.2	70.6	359	0.697	0.0	1.0	42.2	63.0	−18.0	65.6	344	1.0	0.0	0.767	0.662	0.0	1.0	41.6	61.0	−19.9	64.2	341	1.0	0.0	0.767	🟪	🟪	🟪
360	345	342	1.0	0.0	0.75	48.1	70.4	0.3	70.4	360	0.713	0.0	1.0	42.5	64.0	−17.0	66.2	345	1.0	0.0	0.75	0.678	0.0	1.0	41.9	61.9	−19.0	64.8	342	1.0	0.0	0.75	🟪	🟪	🟪

1−0031530−L0 QE640−70 LAB*la0, YN=0%, XYZnw=2.4, 2.5, 2.6, 85.1, 88.8, 104.3, LAB*nw=17.7, 0.0, 0.0, 95.5, 0.0, 0.0

Output: Offset standard print; separation cmyn6*, D65, page 16/33

TUB-test chart QE64; hue code: H*$_d$=Y75G$_d$
48 step hue circles; *rgb−LabCh**tables

input: *rgb/cmyk* −> *rgb*$_d$
output: transfer to *cmyk*$_d$

see similar files: http://130.149.60.45/~farbmetrik/QE64/QE64.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

QE6400L

TUB registration: 20130201-QE64/QE64L0NP.PDF /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmyn6 (CMYK)

http://130.149.60.45/~farbmetrik/QE64/QE64L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 17/33

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6*, 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*$_d$: $h_{ab,d}$ = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3; 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^*_{dd}361M			LAB^*_{ddx}361Mi (x=LabCh)					rgb^*_{ds}361Mi			LAB^*_{dsx}361Mi (x=LabCh)					rgb^*_{dd}361Mi			rgb^*_{de}361Mi			LAB^*_{dex}361Mi (x=LabCh)					rgb^*_{dd}361Mi			rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
360	345	342	1.0	0.0	0.75	48.1	70.4	0.3	70.4	360	0.713	0.0	1.0	42.5	64.0	−17.0	66.2	345	1.0	0.0	0.75	0.678	0.0	1.0	41.9	61.9	−19.0	64.8	342	1.0	0.0	0.75	🟥	🟥	🟥
361	346	343	1.0	0.0	0.733	48.1	70.3	1.3	70.3	361	0.73	0.0	1.0	42.8	64.9	−16.1	66.9	346	1.0	0.0	0.733	0.693	0.0	1.0	42.2	62.8	−18.2	65.4	343	1.0	0.0	0.733	🟥	🟥	🟥
361	347	344	1.0	0.0	0.716	48.1	70.1	2.2	70.1	361	0.746	0.0	1.0	43.1	65.8	−15.1	67.5	347	1.0	0.0	0.717	0.709	0.0	1.0	42.4	63.7	−17.3	66.0	344	1.0	0.0	0.717	🟥	🟥	🟥
362	348	345	1.0	0.0	0.7	48.1	69.9	3.1	70.0	362	0.782	0.0	1.0	43.9	66.9	−14.1	68.4	348	1.0	0.0	0.7	0.724	0.0	1.0	42.7	64.6	−16.4	66.6	345	1.0	0.0	0.7	🟥	🟥	🟥
363	349	346	1.0	0.0	0.683	48.1	69.7	4.0	69.8	363	0.823	0.0	1.0	44.8	68.0	−13.1	69.3	349	1.0	0.0	0.683	0.74	0.0	1.0	43.0	65.4	−15.5	67.3	346	1.0	0.0	0.683	🟥	🟥	🟥
364	350	347	1.0	0.0	0.666	48.0	69.5	4.9	69.7	364	0.864	0.0	1.0	45.7	69.2	−12.1	70.3	350	1.0	0.0	0.667	0.764	0.0	1.0	43.4	66.4	−14.5	68.0	347	1.0	0.0	0.667	🟥	🟥	🟥
364	351	348	1.0	0.0	0.65	48.0	69.3	5.7	69.5	364	0.905	0.0	1.0	46.5	70.3	−11.0	71.2	351	1.0	0.0	0.65	0.803	0.0	1.0	44.3	67.5	−13.6	68.9	348	1.0	0.0	0.65	🟥	🟥	🟥
365	352	349	1.0	0.0	0.633	48.0	69.0	6.6	69.3	365	0.946	0.0	1.0	47.3	71.4	−9.9	72.1	352	1.0	0.0	0.633	0.842	0.0	1.0	45.2	68.6	−12.7	69.8	349	1.0	0.0	0.633	🟥	🟥	🟥
366	353	350	1.0	0.0	0.616	48.0	68.8	7.5	69.2	366	0.988	0.0	1.0	48.0	72.5	−8.8	73.1	353	1.0	0.0	0.617	0.881	0.0	1.0	46.1	69.7	−11.7	70.6	350	1.0	0.0	0.617	🟥	🟥	🟥
367	354	351	1.0	0.0	0.6	47.9	68.7	8.5	69.2	367	1.0	0.0	0.973	48.3	72.6	−7.5	73.0	354	1.0	0.0	0.6	0.92	0.0	1.0	46.8	70.7	−10.7	71.5	351	1.0	0.0	0.6	🟥	🟥	🟥
367	355	352	1.0	0.0	0.583	47.9	68.6	9.4	69.2	367	1.0	0.0	0.935	48.3	72.3	−6.2	72.5	355	1.0	0.0	0.583	0.959	0.0	1.0	47.5	71.8	−9.6	72.4	352	1.0	0.0	0.583	🟥	🟥	🟥
368	356	353	1.0	0.0	0.566	47.9	68.4	10.3	69.2	368	1.0	0.0	0.896	48.3	71.9	−4.9	72.1	356	1.0	0.0	0.567	0.998	0.0	1.0	48.2	72.8	−8.5	73.3	353	1.0	0.0	0.567	🟥	🟥	🟥
369	357	354	1.0	0.0	0.55	47.8	68.2	11.2	69.2	369	1.0	0.0	0.86	48.3	71.5	−3.6	71.6	357	1.0	0.0	0.55	1.0	0.0	0.965	48.3	72.6	−7.3	72.9	354	1.0	0.0	0.55	🟥	🟥	🟥
370	358	355	1.0	0.0	0.533	47.8	68.1	12.1	69.1	370	1.0	0.0	0.827	48.2	71.2	−2.4	71.3	358	1.0	0.0	0.533	1.0	0.0	0.929	48.3	72.2	−6.0	72.5	355	1.0	0.0	0.533	🟥	🟥	🟥
370	359	356	1.0	0.0	0.516	47.7	67.9	13.1	69.1	370	1.0	0.0	0.794	48.2	70.9	−1.1	70.9	359	1.0	0.0	0.517	1.0	0.0	0.892	48.3	71.8	−4.8	72.0	356	1.0	0.0	0.517	🟥	🟥	🟥
371	360	352	1.0	0.0	0.5	47.7	67.7	14.0	69.1	371	1.0	0.0	0.761	48.2	70.6	0.0	70.6	360	1.0	0.0	0.5	0.949	0.0	1.0	47.3	71.5	−9.9	72.2	352	1.0	0.0	0.5	🟥	🟥	🟥
372	361	353	1.0	0.0	0.483	47.7	67.5	15.0	69.2	372	1.0	0.0	0.735	48.1	70.3	1.2	70.3	361	1.0	0.0	0.483	0.995	0.0	1.0	48.2	72.7	−8.6	73.2	353	1.0	0.0	0.483	🟥	🟥	🟥
373	362	354	1.0	0.0	0.466	47.7	67.3	16.1	69.2	373	1.0	0.0	0.712	48.1	70.1	2.4	70.1	362	1.0	0.0	0.467	1.0	0.0	0.962	48.3	72.5	−7.2	72.9	354	1.0	0.0	0.467	🟥	🟥	🟥
374	363	355	1.0	0.0	0.45	47.7	67.2	17.1	69.3	374	1.0	0.0	0.69	48.1	69.8	3.7	69.9	363	1.0	0.0	0.45	1.0	0.0	0.919	48.3	72.1	−5.7	72.3	355	1.0	0.0	0.45	🟥	🟥	🟥
375	364	356	1.0	0.0	0.433	47.7	67.0	18.2	69.4	375	1.0	0.0	0.667	48.1	69.5	4.9	69.7	364	1.0	0.0	0.433	1.0	0.0	0.876	48.3	71.7	−4.3	71.8	356	1.0	0.0	0.433	🟥	🟥	🟥
376	365	357	1.0	0.0	0.416	47.7	66.7	19.2	69.5	376	1.0	0.0	0.645	48.1	69.2	6.1	69.5	365	1.0	0.0	0.417	1.0	0.0	0.839	48.3	71.4	−2.9	71.4	357	1.0	0.0	0.417	🟥	🟥	🟥
376	366	358	1.0	0.0	0.4	47.7	66.5	20.3	69.5	376	1.0	0.0	0.623	48.0	68.9	7.2	69.3	366	1.0	0.0	0.4	1.0	0.0	0.802	48.2	71.0	−1.5	71.0	358	1.0	0.0	0.4	🟥	🟥	🟥
377	367	359	1.0	0.0	0.383	47.7	66.3	21.3	69.6	377	1.0	0.0	0.601	48.0	68.8	8.4	69.3	367	1.0	0.0	0.383	1.0	0.0	0.765	48.2	70.6	−0.1	70.6	359	1.0	0.0	0.383	🟥	🟥	🟥
378	368	360	1.0	0.0	0.366	47.7	66.1	22.3	69.7	378	1.0	0.0	0.58	47.9	68.6	9.6	69.3	368	1.0	0.0	0.367	1.0	0.0	0.735	48.1	70.3	1.2	70.3	360	1.0	0.0	0.367	🟥	🟥	🟥
379	369	362	1.0	0.0	0.35	47.7	66.0	23.2	69.9	379	1.0	0.0	0.558	47.9	68.4	10.8	69.2	369	1.0	0.0	0.35	1.0	0.0	0.71	48.1	70.1	2.6	70.1	362	1.0	0.0	0.35	🟥	🟥	🟥
380	370	363	1.0	0.0	0.333	47.7	65.8	24.2	70.2	380	1.0	0.0	0.536	47.8	68.1	12.0	69.2	370	1.0	0.0	0.333	1.0	0.0	0.685	48.1	69.8	3.9	69.9	363	1.0	0.0	0.333	🟥	🟥	🟥
380	371	364	1.0	0.0	0.316	47.7	65.7	25.1	70.4	380	1.0	0.0	0.515	47.8	67.9	13.2	69.2	371	1.0	0.0	0.317	1.0	0.0	0.66	48.1	69.4	5.2	69.6	364	1.0	0.0	0.317	🟥	🟥	🟥
381	372	365	1.0	0.0	0.3	47.7	65.6	26.0	70.6	381	1.0	0.0	0.494	47.8	67.7	14.4	69.2	372	1.0	0.0	0.3	1.0	0.0	0.635	48.1	69.1	6.6	69.4	365	1.0	0.0	0.3	🟥	🟥	🟥
382	373	366	1.0	0.0	0.283	47.7	65.4	27.0	70.8	382	1.0	0.0	0.475	47.8	67.5	15.6	69.3	373	1.0	0.0	0.283	1.0	0.0	0.611	48.0	68.8	7.9	69.3	366	1.0	0.0	0.283	🟥	🟥	🟥
383	374	367	1.0	0.0	0.266	47.7	65.2	27.9	71.0	383	1.0	0.0	0.456	47.8	67.3	16.8	69.3	374	1.0	0.0	0.267	1.0	0.0	0.587	48.0	68.6	9.2	69.3	367	1.0	0.0	0.267	🟥	🟥	🟥
383	375	368	1.0	0.0	0.25	47.7	65.0	28.9	71.2	383	1.0	0.0	0.437	47.8	67.1	18.0	69.4	375	1.0	0.0	0.25	1.0	0.0	0.563	47.9	68.4	10.6	69.2	368	1.0	0.0	0.25	🟥	🟥	🟥
384	376	369	1.0	0.0	0.233	47.6	65.0	29.7	71.5	384	1.0	0.0	0.418	47.8	66.8	19.2	69.5	376	1.0	0.0	0.233	1.0	0.0	0.539	47.8	68.2	11.9	69.2	369	1.0	0.0	0.233	🟥	🟥	🟥
385	377	370	1.0	0.0	0.216	47.6	64.9	30.5	71.8	385	1.0	0.0	0.399	47.8	66.5	20.3	69.6	377	1.0	0.0	0.217	1.0	0.0	0.515	47.8	67.9	13.2	69.2	370	1.0	0.0	0.217	🟥	🟥	🟥
385	378	372	1.0	0.0	0.2	47.6	64.9	31.4	72.1	385	1.0	0.0	0.38	47.8	66.3	21.5	69.7	378	1.0	0.0	0.2	1.0	0.0	0.492	47.8	67.6	14.5	69.2	372	1.0	0.0	0.2	🟥	🟥	🟥
386	379	373	1.0	0.0	0.183	47.5	64.8	32.2	72.4	386	1.0	0.0	0.359	47.8	66.1	22.8	69.9	379	1.0	0.0	0.183	1.0	0.0	0.471	47.8	67.4	15.8	69.3	373	1.0	0.0	0.183	🟥	🟥	🟥
387	380	374	1.0	0.0	0.166	47.5	64.7	33.0	72.7	387	1.0	0.0	0.337	47.8	65.9	24.0	70.2	380	1.0	0.0	0.167	1.0	0.0	0.45	47.8	67.2	17.2	69.4	374	1.0	0.0	0.167	🟥	🟥	🟥
387	381	375	1.0	0.0	0.15	47.5	64.6	33.9	72.9	387	1.0	0.0	0.315	47.8	65.7	25.2	70.4	381	1.0	0.0	0.15	1.0	0.0	0.429	47.8	67.0	18.5	69.5	375	1.0	0.0	0.15	🟥	🟥	🟥
388	382	376	1.0	0.0	0.133	47.4	64.5	34.7	73.2	388	1.0	0.0	0.293	47.7	65.5	26.5	70.7	382	1.0	0.0	0.133	1.0	0.0	0.408	47.8	66.7	19.8	69.6	376	1.0	0.0	0.133	🟥	🟥	🟥
388	383	377	1.0	0.0	0.116	47.4	64.4	35.5	73.6	388	1.0	0.0	0.271	47.7	65.3	27.7	71.0	383	1.0	0.0	0.117	1.0	0.0	0.386	47.8	66.4	21.2	69.6	377	1.0	0.0	0.117	🟥	🟥	🟥
389	384	378	1.0	0.0	0.1	47.4	64.3	36.3	73.9	389	1.0	0.0	0.249	47.7	65.1	29.0	71.2	384	1.0	0.0	0.1	1.0	0.0	0.364	47.8	66.1	22.5	69.8	378	1.0	0.0	0.1	🟥	🟥	🟥
390	385	379	1.0	0.0	0.083	47.4	64.3	37.1	74.2	390	1.0	0.0	0.222	47.7	65.0	30.3	71.7	385	1.0	0.0	0.083	1.0	0.0	0.339	47.8	65.9	23.9	70.1	379	1.0	0.0	0.083	🟥	🟥	🟥
390	386	381	1.0	0.0	0.066	47.4	64.2	37.9	74.6	390	1.0	0.0	0.195	47.6	64.9	31.6	72.2	386	1.0	0.0	0.067	1.0	0.0	0.315	47.8	65.7	25.3	70.4	381	1.0	0.0	0.067	🟥	🟥	🟥
391	387	382	1.0	0.0	0.049	47.4	64.1	38.7	74.9	391	1.0	0.0	0.169	47.6	64.7	33.0	72.7	387	1.0	0.0	0.05	1.0	0.0	0.29	47.7	65.5	26.7	70.7	382	1.0	0.0	0.05	🟥	🟥	🟥
391	388	383	1.0	0.0	0.033	47.3	64.0	39.5	75.3	391	1.0	0.0	0.142	47.5	64.6	34.3	73.1	388	1.0	0.0	0.033	1.0	0.0	0.266	47.7	65.3	28.0	71.0	383	1.0	0.0	0.033	🟥	🟥	🟥
392	389	384	1.0	0.0	0.016	47.3	63.9	40.3	75.6	392	1.0	0.0	0.114	47.5	64.4	35.7	73.7	389	1.0	0.0	0.017	1.0	0.0	0.239	47.7	65.1	29.5	71.4	384	1.0	0.0	0.017	🟥	🟥	🟥
392	390	385	1.0	0.0	0.0	47.3	63.8	41.2	76.0	392 R_d	1.0	0.0	0.084	47.4	64.3	37.1	74.3	390 R_s	1.0	0.0	0.0	1.0	0.0	0.209	47.6	64.9	30.9	71.9	385 R_e	1.0	0.0	0.0	🟥	🟥	🟥

1−0031630−L0 QE640−70 LAB*la0, YN=0%, XYZnw=2.4, 2.5, 2.6, 85.1, 88.8, 104.3, LAB*nw=17.7, 0.0, 0.0, 95.5, 0.0, 0.0

Output: Offset standard print; separation cmyn6*, D65, page 17/33

TUB-test chart QE64; hue code: H*$_d$=Y75G$_d$
48 step hue circles; *rgb−LabCh**tables

input: *rgb/cmyk −> rgb*$_d$
output: transfer to *cmyk*$_d$

1−0031630−F0

see similar files: http://130.149.60.45/~farbmetrik/QE64/QE64.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

QE6400L

http://130.149.60.45/~farbmetrik/QE64/QE64L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 18/33

n/j	HIC*$_{Fd}$	rgb_Fd			ict_Fd			$h_{si\_F,d}$	rgb*$_{Fd}$			LabCh*$_{Fd}$				
0/648	R00Y_100_100$_d$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
1/657	R13Y_100_100$_d$	1.0	0.125	0.0	1.0	1.0	0.5	37	1.0	0.116	0.0	50.9	55.5	46.4	72.3	39.9
2/666	R25Y_100_100$_d$	1.0	0.25	0.0	1.0	1.0	0.5	44	1.0	0.233	0.0	55.3	45.8	52.2	69.5	48.7
3/675	R38Y_100_100$_d$	1.0	0.375	0.0	1.0	1.0	0.5	52	1.0	0.366	0.0	61.0	34.0	59.9	68.9	60.4
4/684	R50Y_100_100$_d$	1.0	0.5	0.0	1.0	1.0	0.5	60	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
5/693	R63Y_100_100$_d$	1.0	0.625	0.0	1.0	1.0	0.5	68	1.0	0.633	0.0	74.0	10.4	76.6	77.3	82.2
6/702	R75Y_100_100$_d$	1.0	0.75	0.0	1.0	1.0	0.5	76	1.0	0.766	0.0	79.9	1.0	83.9	83.9	89.2
7/711	R88Y_100_100$_d$	1.0	0.875	0.0	1.0	1.0	0.5	83	1.0	0.883	0.0	84.5	−6.1	89.8	90.0	93.8
8/720	Y00G_100_100$_d$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
9/639	Y13G_100_100$_d$	0.875	1.0	0.0	1.0	1.0	0.5	97	0.883	1.0	0.0	86.0	−15.9	89.0	90.4	100.1
10/558	Y25G_100_100$_d$	0.75	1.0	0.0	1.0	1.0	0.5	104	0.766	1.0	0.0	83.3	−19.2	83.7	85.9	102.9
11/477	Y38G_100_100$_d$	0.625	1.0	0.0	1.0	1.0	0.5	112	0.633	1.0	0.0	77.4	−24.9	76.8	80.7	107.9
12/396	Y50G_100_100$_d$	0.5	1.0	0.0	1.0	1.0	0.5	120	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3
13/315	Y63G_100_100$_d$	0.375	1.0	0.0	1.0	1.0	0.5	128	0.366	1.0	0.0	68.3	−37.7	57.4	68.7	123.2
14/234	Y75G_100_100$_d$	0.25	1.0	0.0	1.0	1.0	0.5	136	0.233	1.0	0.0	60.4	−48.8	46.7	67.6	136.2
15/153	Y88G_100_100$_d$	0.125	1.0	0.0	1.0	1.0	0.5	143	0.116	1.0	0.0	57.0	−55.9	38.3	67.8	145.5
16/72	G00C_100_100$_d$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
17/73	G13C_100_100$_d$	0.0	1.0	0.125	1.0	1.0	0.5	157	0.0	1.0	0.116	52.5	−66.6	19.9	69.5	163.3
18/74	G25C_100_100$_d$	0.0	1.0	0.25	1.0	1.0	0.5	164	0.0	1.0	0.233	53.2	−62.6	11.0	63.6	170.0
19/75	G38C_100_100$_d$	0.0	1.0	0.375	1.0	1.0	0.5	172	0.0	1.0	0.366	54.0	−57.3	−0.4	57.3	180.4
20/76	G50C_100_100$_d$	0.0	1.0	0.5	1.0	1.0	0.5	180	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5
21/77	G63C_100_100$_d$	0.0	1.0	0.625	1.0	1.0	0.5	188	0.0	1.0	0.633	55.8	−44.7	−22.5	50.1	206.7
22/78	G75C_100_100$_d$	0.0	1.0	0.75	1.0	1.0	0.5	196	0.0	1.0	0.766	56.8	−38.4	−31.7	49.8	219.6
23/79	G88C_100_100$_d$	0.0	1.0	0.875	1.0	1.0	0.5	203	0.0	1.0	0.883	57.6	−34.0	−37.7	50.8	227.9
24/80	C00B_100_100$_d$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
25/71	C13B_100_100$_d$	0.0	0.875	1.0	1.0	1.0	0.5	217	0.0	0.883	1.0	55.4	−25.2	−43.9	50.7	240.0
26/62	C25B_100_100$_d$	0.0	0.75	1.0	1.0	1.0	0.5	224	0.0	0.766	1.0	52.2	−20.4	−44.1	48.6	245.1
27/53	C38B_100_100$_d$	0.0	0.625	1.0	1.0	1.0	0.5	232	0.0	0.633	1.0	48.0	−14.3	−44.4	46.6	252.1
28/44	C50B_100_100$_d$	0.0	0.5	1.0	1.0	1.0	0.5	240	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3
29/35	C63B_100_100$_d$	0.0	0.375	1.0	1.0	1.0	0.5	248	0.0	0.366	1.0	37.6	1.8	−45.5	45.5	272.3
30/26	C75B_100_100$_d$	0.0	0.25	1.0	1.0	1.0	0.5	256	0.0	0.233	1.0	32.7	10.5	−46.2	47.4	282.8
31/17	C88B_100_100$_d$	0.0	0.125	1.0	1.0	1.0	0.5	263	0.0	0.116	1.0	28.3	17.8	−47.0	50.3	290.7
32/8	B00M_100_100$_d$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
33/89	B13M_100_100$_d$	0.125	0.0	1.0	1.0	1.0	0.5	277	0.116	0.0	1.0	29.0	31.2	−42.9	53.1	306.0
34/170	B25M_100_100$_d$	0.25	0.0	1.0	1.0	1.0	0.5	284	0.233	0.0	1.0	31.2	35.6	−39.6	53.3	311.9
35/251	B38M_100_100$_d$	0.375	0.0	1.0	1.0	1.0	0.5	292	0.366	0.0	1.0	33.6	46.9	−31.8	56.7	325.8
36/332	B50M_100_100$_d$	0.5	0.0	1.0	1.0	1.0	0.5	300	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9
37/413	B63M_100_100$_d$	0.625	0.0	1.0	1.0	1.0	0.5	308	0.633	0.0	1.0	41.1	59.3	−21.4	63.0	340.1
38/494	B75M_100_100$_d$	0.75	0.0	1.0	1.0	1.0	0.5	316	0.766	0.0	1.0	43.5	66.4	−14.5	68.0	347.6
39/575	B88M_100_100$_d$	0.875	0.0	1.0	1.0	1.0	0.5	323	0.883	0.0	1.0	46.1	69.7	−11.7	70.7	350.4
40/656	M00R_100_100$_d$	1.0	0.0	1.0	1.0	1.0	0.5	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
41/655	M13R_100_100$_d$	1.0	0.0	0.875	1.0	1.0	0.5	337	1.0	0.0	0.883	48.2	71.7	−4.6	71.8	356.3
42/654	M25R_100_100$_d$	1.0	0.0	0.75	1.0	1.0	0.5	344	1.0	0.0	0.766	48.1	70.6	−0.2	70.6	359.8
43/653	M38R_100_100$_d$	1.0	0.0	0.625	1.0	1.0	0.5	352	1.0	0.0	0.633	48.0	69.0	6.6	69.3	5.5
44/652	M50R_100_100$_d$	1.0	0.0	0.5	1.0	1.0	0.5	360	1.0	0.0	0.5	47.7	67.7	14.0	69.1	11.6
45/651	M63R_100_100$_d$	1.0	0.0	0.375	1.0	1.0	0.5	368	1.0	0.0	0.366	47.7	66.1	22.3	69.7	18.6
46/650	M75R_100_100$_d$	1.0	0.0	0.25	1.0	1.0	0.5	376	1.0	0.0	0.233	47.6	65.0	29.7	71.5	24.5
47/649	M88R_100_100$_d$	1.0	0.0	0.125	1.0	1.0	0.5	383	1.0	0.0	0.116	47.4	64.4	35.5	73.6	28.9
48/648	R00Y_100_100$_d$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
49/0	NW_000$_d$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	17.7	0.0	0.0	0.0	0.0
50/91	NW_013$_d$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	27.4	0.0	0.0	0.0	0.0
51/182	NW_025$_d$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	37.1	0.0	0.0	0.0	0.0
52/273	NW_038$_d$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	46.8	0.0	0.0	0.0	0.0
53/364	NW_050$_d$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	56.5	0.0	0.0	0.0	0.0
54/455	NW_063$_d$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	66.3	0.0	0.0	0.0	0.0
55/546	NW_075$_d$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	76.0	0.0	0.0	0.0	0.0
56/637	NW_088$_d$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	85.7	0.0	0.0	0.0	0.0
57/728	NW_100$_d$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0

n/j	rgb*’$_{Fd}$			LabCh*’$_{Fd}$					DE*’$_{Fd}$	$h_{siM,d}$	rgb*$_{Md}$			LabCh*$_{Md}$				
0/648	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	0.0	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
1/657	1.0	0.125	0.0	51.2	54.9	46.7	72.1	40.4	0.7	36	1.0	0.116	0.0	50.9	55.5	46.4	72.3	39.9
2/666	1.0	0.25	0.0	56.0	44.4	53.0	69.1	50.0	1.7	42	1.0	0.233	0.0	55.3	45.8	52.2	69.5	48.7
3/675	1.0	0.375	0.0	61.4	33.2	60.3	68.8	61.1	0.9	51	1.0	0.366	0.0	61.0	34.0	59.9	68.9	60.4
4/684	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4	0.0	59	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
5/693	1.0	0.625	0.0	73.6	11.0	76.1	76.9	81.7	0.8	68	1.0	0.633	0.0	74.0	10.4	76.6	77.3	82.2
6/702	1.0	0.75	0.0	79.2	2.0	83.0	83.1	88.5	1.4	77	1.0	0.766	0.0	79.9	1.0	83.9	83.9	89.2
7/711	1.0	0.875	0.0	84.2	−5.7	89.4	89.6	93.6	0.6	83	1.0	0.883	0.0	84.5	−6.1	89.8	90.0	93.8
8/720	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1	0.0	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
9/639	0.875	1.0	0.0	85.8	−16.2	88.6	90.0	100.3	0.5	96	0.883	1.0	0.0	86.0	−15.9	89.0	90.4	100.1
10/558	0.75	1.0	0.0	82.9	−19.7	83.0	85.3	103.3	0.9	102	0.766	1.0	0.0	83.3	−19.2	83.7	85.9	102.9
11/477	0.625	1.0	0.0	77.0	−25.2	76.3	80.4	108.3	0.6	111	0.633	1.0	0.0	77.4	−24.9	76.8	80.7	107.9
12/396	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3	0.0	119	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3
13/315	0.375	1.0	0.0	68.9	−36.9	58.1	68.8	122.4	1.1	128	0.366	1.0	0.0	68.3	−37.7	57.4	68.7	123.2
14/234	0.25	1.0	0.0	60.8	−47.8	47.8	67.6	134.9	1.5	137	0.233	1.0	0.0	60.4	−48.8	46.7	67.6	136.2
15/153	0.125	1.0	0.0	57.4	−54.9	38.9	67.3	144.6	1.1	143	0.116	1.0	0.0	57.0	−55.9	38.3	67.8	145.5
16/72	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7	0.0	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
17/73	0.0	1.0	0.125	52.5	−66.4	19.3	69.1	163.7	0.5	156	0.0	1.0	0.116	52.5	−66.6	19.9	69.5	163.3
18/74	0.0	1.0	0.25	53.2	−61.9	9.8	62.7	170.9	1.3	162	0.0	1.0	0.233	53.2	−62.6	11.0	63.6	170.0
19/75	0.0	1.0	0.375	54.1	−56.9	−1.0	56.9	181.0	0.7	171	0.0	1.0	0.366	54.0	−57.3	−0.4	57.3	180.4
20/76	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5	0.0	180	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5
21/77	0.0	1.0	0.625	55.8	−45.1	−21.9	50.1	205.9	0.7	188	0.0	1.0	0.633	55.8	−44.7	−22.5	50.1	206.7
22/78	0.0	1.0	0.75	56.7	−38.9	−30.9	49.7	218.4	1.0	197	0.0	1.0	0.766	56.8	−38.4	−31.7	49.8	219.6
23/79	0.0	1.0	0.875	57.5	−34.3	−37.2	50.6	227.3	0.5	203	0.0	1.0	0.883	57.6	−34.0	−37.7	50.8	227.9
24/80	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1	0.0	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
25/71	0.0	0.875	1.0	55.2	−25.0	−43.9	50.5	240.3	0.3	216	0.0	0.883	1.0	55.4	−25.2	−43.9	50.7	240.0
26/62	0.0	0.75	1.0	51.7	−19.7	−44.1	48.3	245.8	0.8	222	0.0	0.766	1.0	52.2	−20.4	−44.1	48.6	245.1
27/53	0.0	0.625	1.0	47.7	−13.9	−44.4	46.5	252.5	0.4	231	0.0	0.633	1.0	48.0	−14.3	−44.4	46.6	252.1
28/44	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3	0.0	240	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3
29/35	0.0	0.375	1.0	37.9	1.3	−45.4	45.4	271.7	0.6	248	0.0	0.366	1.0	37.6	1.8	−45.5	45.5	272.3
30/26	0.0	0.25	1.0	33.3	9.4	−46.0	47.0	281.6	1.2	257	0.0	0.233	1.0	32.7	10.5	−46.2	47.4	282.8
31/17	0.0	0.125	1.0	28.6	17.4	−46.9	50.1	290.3	0.4	263	0.0	0.116	1.0	28.3	17.8	−47.0	50.3	290.7
32/8	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4	0.0	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
33/89	0.125	0.0	1.0	29.3	31.8	−42.6	53.1	306.7	0.6	276	0.116	0.0	1.0	29.0	31.2	−42.9	53.1	306.0
34/170	0.25	0.0	1.0	31.5	36.2	−39.2	53.4	312.7	0.8	282	0.233	0.0	1.0	31.2	35.6	−39.6	53.3	311.9
35/251	0.375	0.0	1.0	33.8	47.6	−31.2	56.9	326.7	0.9	291	0.366	0.0	1.0	33.6	46.9	−31.8	56.7	325.8
36/332	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9	0.0	300	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9
37/413	0.625	0.0	1.0	40.9	58.8	−21.8	62.7	339.6	0.6	308	0.633	0.0	1.0	41.1	59.3	−21.4	63.0	340.1
38/494	0.75	0.0	1.0	43.1	65.9	−14.9	67.6	347.2	0.7	317	0.766	0.0	1.0	43.5	66.4	−14.5	68.0	347.6
39/575	0.875	0.0	1.0	45.9	69.4	−11.9	70.5	350.2	0.3	323	0.883	0.0	1.0	46.1	69.7	−11.7	70.7	350.4
40/656	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3	0.0	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
41/655	1.0	0.0	0.875	48.2	71.6	−4.3	71.7	356.5	0.2	336	1.0	0.0	0.883	48.2	71.7	−4.6	71.8	356.3
42/654	1.0	0.0	0.75	48.1	70.4	0.3	70.4	360.3	0.6	342	1.0	0.0	0.766	48.1	70.6	−0.2	70.6	359.8
43/653	1.0	0.0	0.625	48.0	68.9	7.1	69.3	365.8	0.4	351	1.0	0.0	0.633	48.0	69.0	6.6	69.3	5.5
44/652	1.0	0.0	0.5	47.7	67.7	14.0	69.1	371.6	0.0	360	1.0	0.0	0.5	47.7	67.7	14.0	69.1	11.6
45/651	1.0	0.0	0.375	47.7	66.1	21.8	69.6	378.2	0.4	368	1.0	0.0	0.366	47.7	66.1	22.3	69.7	18.6
46/650	1.0	0.0	0.25	47.7	65.0	28.9	71.2	383.9	0.8	377	1.0	0.0	0.233	47.6	65.0	29.7	71.5	24.5
47/649	1.0	0.0	0.125	47.4	64.4	35.1	73.4	388.6	0.3	383	1.0	0.0	0.116	47.4	64.4	35.5	73.6	28.9
48/648	1.0	0.0	0.0	47.3	63.8	41.2	76.0	392.8	0.0	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
49/0	0.0	0.0	0.0	51.2	54.9	46.7	72.1	400.4	79.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
50/91	0.125	0.125	0.125	17.7	0.0	0.0	0.0	0.0	9.7	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
51/182	0.25	0.25	0.25	28.0	−0.2	−0.4	0.5	238.7	9.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
52/273	0.375	0.375	0.375	42.2	−0.5	−0.7	0.9	235.1	4.6	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
53/364	0.5	0.5	0.5	55.0	−0.4	−0.6	0.7	234.3	1.7	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
54/455	0.625	0.625	0.625	63.4	−0.4	−0.6	0.7	235.9	2.9	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
55/546	0.75	0.75	0.75	72.2	−0.3	−0.4	0.5	236.5	3.8	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
56/637	0.875	0.875	0.875	80.8	−0.2	−0.4	0.5	237.4	4.9	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
57/728	1.0	1.0	1.0	89.7	−0.1	−0.1	0.2	234.3	5.7	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0

Mean color difference of this page: **delta $E^{*\prime}$ = *2.6***

1−0031730−F0

QE640−7N, Page 18/33−F

TUB-test chart QE64; hue code: H*$_d$=Y75G$_d$
colors and differences, $\Delta E^{*\prime}$

input: *rgb/cmyk* −> *rgb*$_d$
output: transfer to *cmyk*$_d$

1−0031730−F0

see similar files: http://130.149.60.45/~farbmetrik/QE64/QE64.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE64/QE64L0NP.PDF /.PS
TUB material: code=rha4ta
application for measurement of offset print output, separation cmyn6 (CMYK)

TUB registration: 20130201-QE64/QE64L0NP.PDF /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmyn6 (CMYK)

http://130.149.60.45/~farbmetrik/QE64/QE64L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 19/33

n/j	**HIC*Fd**	*rgb*_Fd			*ict*_Fd			$h_{si\_F,d}$	rgb^*_{Fd}			$LabCh^*_{Fd}$					$rgb^{*\prime}_{Fd}$			$LabCh^{*\prime}_{Fd}$					$DE^{*\prime}_{Fd}$	$h_{siM,d}$	rgb^*_{Md}			$LabCh^*_{Md}$				
0/648	R00Y_100_100$_d$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	0.0	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
1/666	R25Y_100_100$_d$	1.0	0.25	0.0	1.0	1.0	0.5	44	1.0	0.233	0.0	55.3	45.8	52.2	69.5	48.7	1.0	0.25	0.0	56.0	44.4	53.0	69.1	50.0	1.7	42	1.0	0.233	0.0	55.3	45.8	52.2	69.5	48.7
2/684	R50Y_100_100$_d$	1.0	0.5	0.0	1.0	1.0	0.5	60	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4	0.0	59	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
3/702	R75Y_100_100$_d$	1.0	0.75	0.0	1.0	1.0	0.5	76	1.0	0.766	0.0	79.9	1.0	83.9	83.9	89.2	1.0	0.75	0.0	79.2	2.0	83.0	83.1	88.5	1.4	77	1.0	0.766	0.0	79.9	1.0	83.9	83.9	89.2
4/720	Y00G_100_100$_d$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1	0.0	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
5/558	Y25G_100_100$_d$	0.75	1.0	0.0	1.0	1.0	0.5	104	0.766	1.0	0.0	83.3	−19.2	83.7	85.9	102.9	0.75	1.0	0.0	82.9	−19.7	83.0	85.3	103.3	0.9	102	0.766	1.0	0.0	83.3	−19.2	83.7	85.9	102.9
6/396	Y50G_100_100$_d$	0.5	1.0	0.0	1.0	1.0	0.5	120	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3	0.0	119	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3
7/234	Y75G_100_100$_d$	0.25	1.0	0.0	1.0	1.0	0.5	136	0.233	1.0	0.0	60.4	−48.8	46.7	67.6	136.2	0.25	1.0	0.0	60.8	−47.8	47.8	67.6	134.9	1.5	137	0.233	1.0	0.0	60.4	−48.8	46.7	67.6	136.2
8/72	G00B_100_100$_d$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7	0.0	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
9/72	G00B_100_100$_d$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7	0.0	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
10/76	G25B_100_100$_d$	0.0	1.0	0.5	1.0	1.0	0.5	180	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5	0.0	180	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5
11/80	G50B_100_100$_d$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1	0.0	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
12/44	G75B_100_100$_d$	0.0	0.5	1.0	1.0	1.0	0.5	240	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3	0.0	240	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3
13/8	B00M_100_100$_d$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4	0.0	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
14/332	B25R_100_100$_d$	0.5	0.0	1.0	1.0	1.0	0.5	300	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9	0.0	300	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9
15/656	B50R_100_100$_d$	1.0	0.0	1.0	1.0	1.0	0.5	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3	0.0	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
16/652	B75R_100_100$_d$	1.0	0.0	0.5	1.0	1.0	0.5	360	1.0	0.0	0.5	47.7	67.7	14.0	69.1	11.6	1.0	0.0	0.5	47.7	67.7	14.0	69.1	11.6	0.0	360	1.0	0.0	0.5	47.7	67.7	14.0	69.1	11.6
17/648	R00Y_100_100$_d$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	0.0	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
18/688	R00Y_100_050$_d$	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.5	71.4	31.9	20.6	38.0	32.8	1.0	0.5	0.5	69.7	25.2	25.3	35.7	45.0	8.3	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
19/706	R50Y_100_050$_d$	1.0	0.75	0.5	1.0	0.5	0.75	60	1.0	0.75	0.5	81.3	11.3	33.8	35.6	71.4	1.0	0.75	0.5	81.6	6.5	33.0	33.6	78.8	4.8	59	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
20/724	Y00G_100_050$_d$	1.0	1.0	0.5	1.0	0.5	0.75	90	1.0	1.0	0.5	91.9	−5.9	47.5	47.9	97.1	1.0	1.0	0.5	91.8	−8.4	41.3	42.2	101.5	6.6	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
21/562	Y50G_100_050$_d$	0.75	1.0	0.5	1.0	0.5	0.75	120	0.75	1.0	0.5	84.1	−15.6	33.0	36.5	115.3	0.75	1.0	0.5	85.6	−14.8	29.6	33.1	116.5	3.8	119	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3
22/400	G00B_100_050$_d$	0.5	1.0	0.5	1.0	0.5	0.75	150	0.5	1.0	0.5	73.7	−34.4	14.0	37.1	157.7	0.5	1.0	0.5	76.0	−24.2	18.2	30.3	142.9	11.2	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
23/404	G50B_100_050$_d$	0.5	1.0	1.0	1.0	0.5	0.75	210	0.5	1.0	1.0	76.9	−14.6	−21.8	26.3	236.1	0.5	1.0	1.0	80.2	−12.0	−18.3	21.9	236.6	5.5	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
24/368	B00R_100_050$_d$	0.5	0.5	1.0	1.0	0.5	0.75	270	0.5	0.5	1.0	60.4	11.7	−23.6	26.4	296.4	0.5	0.5	1.0	60.0	15.5	−22.8	27.6	304.1	3.8	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
25/692	B50R_100_050$_d$	1.0	0.5	1.0	1.0	0.5	0.75	330	1.0	0.5	1.0	71.8	36.4	−4.2	36.6	353.3	1.0	0.5	1.0	72.3	31.2	−6.6	31.9	348.0	5.6	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
26/688	R00Y_100_050$_d$	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.5	71.4	31.9	20.6	38.0	32.8	1.0	0.5	0.5	69.7	25.2	25.3	35.7	45.0	8.3	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
27/506	R00Y_075_050$_d$	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.25	51.9	31.9	20.6	38.0	32.8	0.75	0.25	0.25	53.0	29.2	26.0	39.1	41.6	6.1	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
28/524	R50Y_075_050$_d$	0.75	0.5	0.25	0.75	0.5	0.5	60	0.75	0.5	0.25	61.9	11.3	33.8	35.6	71.4	0.75	0.5	0.25	66.3	6.8	35.2	35.9	78.9	6.4	59	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
29/542	Y00G_075_050$_d$	0.75	0.75	0.25	0.75	0.5	0.5	90	0.75	0.75	0.25	72.4	−5.9	47.5	47.9	97.1	0.75	0.75	0.25	76.8	−9.0	43.9	44.8	101.6	6.4	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
30/380	Y50G_075_050$_d$	0.5	0.75	0.25	0.75	0.5	0.5	120	0.5	0.75	0.25	64.6	−15.6	33.0	36.5	115.3	0.5	0.75	0.25	68.9	−16.8	33.8	37.8	116.4	4.4	119	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3
31/218	G00B_075_050$_d$	0.25	0.75	0.25	0.75	0.5	0.5	150	0.25	0.75	0.25	54.2	−34.4	14.0	37.1	157.7	0.25	0.75	0.25	57.4	−29.4	20.1	35.6	145.6	8.4	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
32/222	G50B_075_050$_d$	0.25	0.75	0.75	0.75	0.5	0.5	210	0.25	0.75	0.75	57.4	−14.6	−21.8	26.3	236.1	0.25	0.75	0.75	61.9	−14.4	−21.4	25.8	236.0	4.4	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
33/186	B00R_075_050$_d$	0.25	0.25	0.75	0.75	0.5	0.5	270	0.25	0.25	0.75	40.9	11.7	−23.6	26.4	296.4	0.25	0.25	0.75	42.5	13.8	−25.3	28.9	298.6	3.1	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
34/510	B50R_075_050$_d$	0.75	0.25	0.75	0.75	0.5	0.5	330	0.75	0.25	0.75	52.4	36.4	−4.2	36.6	353.3	0.75	0.25	0.75	55.1	35.4	−7.4	36.2	348.1	4.3	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
35/506	R00Y_075_050$_d$	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.25	51.9	31.9	20.6	38.0	32.8	0.75	0.25	0.25	53.0	29.2	26.0	39.1	41.6	6.1	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
36/324	R00Y_050_050$_d$	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.0	32.5	31.9	20.6	38.0	32.8	0.5	0.0	0.0	34.1	34.6	23.9	42.1	34.6	4.5	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
37/342	R50Y_050_050$_d$	0.5	0.25	0.0	0.5	0.5	0.25	60	0.5	0.25	0.0	42.4	11.3	33.8	35.6	71.4	0.5	0.25	0.0	48.0	7.3	38.6	39.3	79.2	8.3	59	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
38/360	Y00G_050_050$_d$	0.5	0.5	0.0	0.5	0.5	0.25	90	0.5	0.5	0.0	53.0	−5.9	47.5	47.9	97.1	0.5	0.5	0.0	58.5	−9.2	49.7	50.6	100.5	6.7	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
39/198	Y50G_050_050$_d$	0.25	0.5	0.0	0.5	0.5	0.25	120	0.25	0.5	0.0	45.2	−15.6	33.0	36.5	115.3	0.25	0.5	0.0	49.3	−19.6	36.6	41.5	118.1	6.7	119	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3
40/36	G00B_050_050$_d$	0.0	0.5	0.0	0.5	0.5	0.25	150	0.0	0.5	0.0	34.8	−34.4	14.0	37.1	157.7	0.0	0.5	0.0	39.8	−35.6	20.1	40.9	150.5	7.9	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
41/40	G50B_050_050$_d$	0.0	0.5	0.5	0.5	0.5	0.25	210	0.0	0.5	0.5	38.0	−14.6	−21.8	26.3	236.1	0.0	0.5	0.5	43.8	−17.1	−23.9	29.4	234.3	6.6	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
42/4	B00R_050_050$_d$	0.0	0.0	0.5	0.5	0.5	0.25	270	0.0	0.0	0.5	21.5	11.7	−23.6	26.4	296.4	0.0	0.0	0.5	22.3	17.0	−27.5	32.4	301.7	6.6	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
43/328	B50R_050_050$_d$	0.5	0.0	0.5	0.5	0.5	0.25	330	0.5	0.0	0.5	32.9	36.4	−4.2	36.6	353.3	0.5	0.0	0.5	35.0	42.0	−7.8	42.7	349.4	6.9	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
44/324	R00Y_050_050$_d$	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.0	32.5	31.9	20.6	38.0	32.8	0.5	0.0	0.0	34.1	34.6	23.9	42.1	34.6	4.5	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
45/0	NW_000$_d$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	17.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.7	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
46/91	NW_013$_d$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	27.4	0.0	0.0	0.0	0.0	0.125	0.125	0.125	28.0	−0.2	−0.4	0.5	238.7	0.8	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
47/182	NW_025$_d$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	37.1	0.0	0.0	0.0	0.0	0.25	0.25	0.25	42.2	−0.5	−0.7	0.9	235.1	5.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
48/273	NW_038$_d$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	46.8	0.0	0.0	0.0	0.0	0.375	0.375	0.375	55.0	−0.4	−0.6	0.7	234.3	8.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
49/364	NW_050$_d$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	56.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5	63.4	−0.4	−0.6	0.7	235.9	6.8	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
50/455	NW_063$_d$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	66.3	0.0	0.0	0.0	0.0	0.625	0.625	0.625	72.2	−0.3	−0.4	0.5	236.5	5.9	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
51/546	NW_075$_d$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	76.0	0.0	0.0	0.0	0.0	0.75	0.75	0.75	80.8	−0.2	−0.4	0.5	237.4	4.8	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
52/637	NW_088$_d$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	85.7	0.0	0.0	0.0	0.0	0.875	0.875	0.875	89.7	−0.1	−0.1	0.2	234.3	4.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
53/728	NW_100$_d$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0

Mean color difference of this page: **delta *E**' = *3.8***

1−0031830−F0

QE640−7N, Page 19/33−F

TUB-test chart QE64; hue code: H^*_d=Y75G$_d$
colors and differences, $\Delta E^{*\prime}$

input: *rgb/cmyk* −> *rgb*$_d$
output: transfer to *cmyk*$_d$

see similar files: http://130.149.60.45/~farbmetrik/QE64/QE64.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

QE6400L

http://130.149.60.45/~farbmetrik/QE64/QE64L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 20/33

n=j	HIC*$_{Fd}$	rgb_$_{Fd}$			ict_$_{Fd}$			$h_{si\_F,d}$	rgb*$_{Fd}$			LabCh*$_{Fd}$				
0	NW_000$_d$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	17.7	0.0	0.0	0.0	0.0
1	B00R_012_012$_d$	0.0	0.0	0.125	0.125	0.125	0.062	270	0.0	0.0	0.125	18.6	2.9	−5.9	6.6	296.4
2	B00R_025_025$_d$	0.0	0.0	0.25	0.25	0.25	0.125	270	0.0	0.0	0.25	19.6	5.8	−11.8	13.2	296.4
3	B00R_037_037$_d$	0.0	0.0	0.375	0.375	0.375	0.187	270	0.0	0.0	0.375	20.5	8.8	−17.7	19.8	296.4
4	B00R_050_050$_d$	0.0	0.0	0.5	0.5	0.5	0.25	270	0.0	0.0	0.5	21.5	11.7	−23.6	26.4	296.4
5	B00R_062_062$_d$	0.0	0.0	0.625	0.625	0.625	0.312	270	0.0	0.0	0.625	22.4	14.6	−29.5	33.0	296.4
6	B00R_075_075$_d$	0.0	0.0	0.75	0.75	0.75	0.375	270	0.0	0.0	0.75	23.4	17.6	−35.5	39.6	296.4
7	B00R_087_087$_d$	0.0	0.0	0.875	0.875	0.875	0.437	270	0.0	0.0	0.875	24.3	20.5	−41.4	46.2	296.4
8	B00R_100_100$_d$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
9	G00B_012_012$_d$	0.0	0.125	0.0	0.125	0.125	0.062	150	0.0	0.125	0.0	21.9	−8.6	3.5	9.2	157.7
10	G50B_012_012$_d$	0.0	0.125	0.125	0.125	0.125	0.062	210	0.0	0.125	0.125	22.7	−3.6	−5.4	6.5	236.1
11	G75B_025_025$_d$	0.0	0.125	0.25	0.25	0.25	0.125	240	0.0	0.125	0.25	23.9	−1.5	−11.2	11.3	262.3
12	G84B_037_037$_d$	0.0	0.125	0.375	0.375	0.375	0.187	251	0.0	0.118	0.375	24.4	1.9	−17.2	17.3	276.3
13	G88B_050_050$_d$	0.0	0.125	0.5	0.5	0.5	0.25	256	0.0	0.116	0.5	25.2	5.2	−23.1	23.7	282.8
14	G90B_062_062$_d$	0.0	0.125	0.625	0.625	0.625	0.312	259	0.0	0.114	0.625	25.9	8.5	−29.1	30.4	286.2
15	G92B_075_075$_d$	0.0	0.125	0.75	0.75	0.75	0.375	261	0.0	0.112	0.75	26.5	11.8	−35.1	37.1	288.6
16	G93B_087_087$_d$	0.0	0.125	0.875	0.875	0.875	0.437	262	0.0	0.116	0.875	27.5	14.7	−41.0	43.6	289.7
17	G94B_100_100$_d$	0.0	0.125	1.0	1.0	1.0	0.5	263	0.0	0.116	1.0	28.3	17.8	−47.0	50.3	290.7
18	G00B_025_025$_d$	0.0	0.25	0.0	0.25	0.25	0.125	150	0.0	0.25	0.0	26.2	−17.2	7.0	18.5	157.7
19	G25B_025_025$_d$	0.0	0.25	0.125	0.25	0.25	0.125	180	0.0	0.25	0.125	26.9	−12.7	−3.0	13.1	193.5
20	G50B_025_025$_d$	0.0	0.25	0.25	0.25	0.25	0.125	210	0.0	0.25	0.25	27.8	−7.3	−10.9	13.1	236.1
21	G65B_037_037$_d$	0.0	0.25	0.375	0.375	0.375	0.187	229	0.0	0.256	0.375	29.6	−6.2	−16.6	17.7	249.4
22	G75B_050_050$_d$	0.0	0.25	0.5	0.5	0.5	0.25	240	0.0	0.25	0.5	30.2	−3.0	−22.5	22.7	262.3
23	G80B_062_062$_d$	0.0	0.25	0.625	0.625	0.625	0.312	247	0.0	0.239	0.625	30.5	0.5	−28.4	28.4	271.0
24	G84B_075_075$_d$	0.0	0.25	0.75	0.75	0.75	0.375	251	0.0	0.237	0.75	31.2	3.8	−34.4	34.6	276.3
25	G86B_087_087$_d$	0.0	0.25	0.875	0.875	0.875	0.437	254	0.0	0.233	0.875	31.9	7.3	−40.2	40.9	280.3
26	G88B_100_100$_d$	0.0	0.25	1.0	1.0	1.0	0.5	256	0.0	0.233	1.0	32.7	10.5	−46.2	47.4	282.8
27	G00B_037_037$_d$	0.0	0.375	0.0	0.375	0.375	0.187	150	0.0	0.375	0.0	30.5	−25.8	10.5	27.8	157.7
28	G15B_037_037$_d$	0.0	0.375	0.125	0.375	0.375	0.187	169	0.0	0.375	0.118	31.2	−22.3	1.4	22.3	176.3
29	G34B_037_037$_d$	0.0	0.375	0.25	0.375	0.375	0.187	191	0.0	0.375	0.256	32.1	−15.9	−9.8	18.7	211.7
30	G50B_037_037$_d$	0.0	0.375	0.375	0.375	0.375	0.187	210	0.0	0.375	0.375	32.9	−10.9	−16.4	19.7	236.1
31	G61B_050_050$_d$	0.0	0.375	0.5	0.5	0.5	0.25	224	0.0	0.383	0.5	34.9	−10.2	−22.0	24.3	245.1
32	G69B_062_062$_d$	0.0	0.375	0.625	0.625	0.625	0.312	233	0.0	0.385	0.625	36.2	−8.3	−27.8	29.0	253.2
33	G75B_075_075$_d$	0.0	0.375	0.75	0.75	0.75	0.375	240	0.0	0.375	0.75	36.5	−4.5	−33.7	34.0	262.3
34	G79B_087_087$_d$	0.0	0.375	0.875	0.875	0.875	0.437	245	0.0	0.364	0.875	36.8	−0.9	−39.7	39.7	268.5
35	G81B_100_100$_d$	0.0	0.375	1.0	1.0	1.0	0.5	248	0.0	0.366	1.0	37.6	1.8	−45.5	45.5	272.3
36	G00B_050_050$_d$	0.0	0.5	0.0	0.5	0.5	0.25	150	0.0	0.5	0.0	34.8	−34.4	14.0	37.1	157.7
37	G11B_050_050$_d$	0.0	0.5	0.125	0.5	0.5	0.25	164	0.0	0.5	0.116	35.4	−31.3	5.5	31.8	170.0
38	G25B_050_050$_d$	0.0	0.5	0.25	0.5	0.5	0.25	180	0.0	0.5	0.25	36.2	−25.5	−6.1	26.2	193.5
39	G38B_050_050$_d$	0.0	0.5	0.375	0.5	0.5	0.25	196	0.0	0.5	0.383	37.2	−19.2	−15.8	24.9	219.6
40	G50B_050_050$_d$	0.0	0.5	0.5	0.5	0.5	0.25	210	0.0	0.5	0.5	38.0	−14.6	−21.8	26.3	236.1
41	G59B_062_062$_d$	0.0	0.5	0.625	0.625	0.625	0.312	221	0.0	0.51	0.625	40.1	−14.0	−27.5	30.9	242.9
42	G65B_075_075$_d$	0.0	0.5	0.75	0.75	0.75	0.375	229	0.0	0.512	0.75	41.6	−12.4	−33.2	35.5	249.4
43	G70B_087_087$_d$	0.0	0.5	0.875	0.875	0.875	0.437	235	0.0	0.51	0.875	42.5	−9.8	−39.1	40.4	255.8
44	G75B_100_100$_d$	0.0	0.5	1.0	1.0	1.0	0.5	240	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3
45	G00B_062_062$_d$	0.0	0.625	0.0	0.625	0.625	0.312	150	0.0	0.625	0.0	39.1	−43.0	17.5	46.4	157.7
46	G09B_062_062$_d$	0.0	0.625	0.125	0.625	0.625	0.312	161	0.0	0.625	0.114	39.7	−40.3	9.2	41.3	167.1
47	G19B_062_062$_d$	0.0	0.625	0.25	0.625	0.625	0.312	173	0.0	0.625	0.239	40.4	−35.4	−1.1	35.4	181.9
48	G30B_062_062$_d$	0.0	0.625	0.375	0.625	0.625	0.312	187	0.0	0.625	0.385	41.4	−28.4	−13.3	31.4	205.1
49	G40B_062_062$_d$	0.0	0.625	0.5	0.625	0.625	0.312	199	0.0	0.625	0.51	42.3	−22.9	−21.4	31.4	223.1
50	G50B_062_062$_d$	0.0	0.625	0.625	0.625	0.625	0.312	210	0.0	0.625	0.625	43.1	−18.3	−27.3	32.9	236.1
51	G57B_075_075$_d$	0.0	0.625	0.75	0.75	0.75	0.375	219	0.0	0.637	0.75	45.3	−17.9	−33.0	37.5	241.4
52	G63B_087_087$_d$	0.0	0.625	0.875	0.875	0.875	0.437	226	0.0	0.641	0.875	47.0	−16.6	−38.7	42.1	246.7
53	G68B_100_100$_d$	0.0	0.625	1.0	1.0	1.0	0.5	232	0.0	0.633	1.0	48.0	−14.3	−44.4	46.6	252.1
54	G00B_075_075$_d$	0.0	0.75	0.0	0.75	0.75	0.375	150	0.0	0.75	0.0	43.3	−51.6	21.0	55.7	157.7
55	G07B_075_075$_d$	0.0	0.75	0.125	0.75	0.75	0.375	159	0.0	0.75	0.112	43.9	−49.2	13.0	50.9	165.1
56	G15B_075_075$_d$	0.0	0.75	0.25	0.75	0.75	0.375	169	0.0	0.75	0.237	44.7	−44.6	2.8	44.7	176.3
57	G25B_075_075$_d$	0.0	0.75	0.375	0.75	0.75	0.375	180	0.0	0.75	0.375	45.5	−38.3	−9.2	39.4	193.5
58	G34B_075_075$_d$	0.0	0.75	0.5	0.75	0.75	0.375	191	0.0	0.75	0.512	46.6	−31.8	−19.7	37.4	211.7
59	G42B_075_075$_d$	0.0	0.75	0.625	0.75	0.75	0.375	201	0.0	0.75	0.637	47.4	−26.5	−27.0	37.8	225.5
60	G50B_075_075$_d$	0.0	0.75	0.75	0.75	0.75	0.375	210	0.0	0.75	0.75	48.1	−21.9	−32.8	39.4	236.1
61	G56B_087_087$_d$	0.0	0.75	0.875	0.875	0.875	0.437	218	0.0	0.758	0.875	50.3	−21.5	−38.4	44.1	240.7
62	G61B_100_100$_d$	0.0	0.75	1.0	1.0	1.0	0.5	224	0.0	0.766	1.0	52.2	−20.4	−44.1	48.6	245.1
63	G00B_087_087$_d$	0.0	0.875	0.0	0.875	0.875	0.437	150	0.0	0.875	0.0	47.6	−60.2	24.6	65.0	157.7
64	G06B_087_087$_d$	0.0	0.875	0.125	0.875	0.875	0.437	158	0.0	0.875	0.116	48.2	−57.8	16.3	60.1	164.2
65	G13B_087_087$_d$	0.0	0.875	0.25	0.875	0.875	0.437	166	0.0	0.875	0.233	48.9	−53.7	7.2	54.2	172.3
66	G20B_087_087$_d$	0.0	0.875	0.375	0.875	0.875	0.437	175	0.0	0.875	0.364	49.7	−48.3	−4.4	48.5	185.2
67	G29B_087_087$_d$	0.0	0.875	0.5	0.875	0.875	0.437	185	0.0	0.875	0.51	50.7	−41.4	−16.5	44.6	201.8
68	G36B_087_087$_d$	0.0	0.875	0.625	0.875	0.875	0.437	194	0.0	0.875	0.641	51.7	−34.9	−26.0	43.5	216.7
69	G43B_087_087$_d$	0.0	0.875	0.75	0.875	0.875	0.437	202	0.0	0.875	0.758	52.5	−30.3	−32.2	44.2	226.7
70	G50B_087_087$_d$	0.0	0.875	0.875	0.875	0.875	0.437	210	0.0	0.875	0.875	53.2	−25.6	−38.2	46.0	236.1
71	G55B_100_100$_d$	0.0	0.875	1.0	1.0	1.0	0.5	217	0.0	0.883	1.0	55.4	−25.2	−43.9	50.7	240.0
72	G00B_100_100$_d$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
73	G05B_100_100$_d$	0.0	1.0	0.125	1.0	1.0	0.5	157	0.0	1.0	0.116	52.5	−66.6	19.9	69.5	163.3
74	G11B_100_100$_d$	0.0	1.0	0.25	1.0	1.0	0.5	164	0.0	1.0	0.233	53.2	−62.6	11.0	63.6	170.0
75	G18B_100_100$_d$	0.0	1.0	0.375	1.0	1.0	0.5	172	0.0	1.0	0.366	54.0	−57.3	−0.4	57.3	180.4
76	G25B_100_100$_d$	0.0	1.0	0.5	1.0	1.0	0.5	180	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5
77	G31B_100_100$_d$	0.0	1.0	0.625	1.0	1.0	0.5	188	0.0	1.0	0.633	55.8	−44.7	−22.5	50.1	206.7
78	G38B_100_100$_d$	0.0	1.0	0.75	1.0	1.0	0.5	196	0.0	1.0	0.766	56.8	−38.4	−31.7	49.8	219.6
79	G44B_100_100$_d$	0.0	1.0	0.875	1.0	1.0	0.5	203	0.0	1.0	0.883	57.6	−34.0	−37.7	50.8	227.9
80	G50B_100_100$_d$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1

n=j	rgb*'$_{Fd}$			LabCh*'$_{Fd}$					DE*'$_{Fd}$	$h_{siM,d}$	rgb*$_{Md}$			LabCh*$_{Md}$				
0	0.0	0.0	0.0	17.7	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1	0.0	0.0	0.125	19.1	4.0	−6.7	7.8	300.9	1.4	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
2	0.0	0.0	0.25	22.1	9.0	−14.1	16.8	302.4	4.6	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
3	0.0	0.0	0.375	22.5	13.2	−21.1	24.9	301.9	5.9	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
4	0.0	0.0	0.5	22.3	17.0	−27.5	32.4	301.7	6.6	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
5	0.0	0.0	0.625	23.3	19.4	−33.5	38.7	300.1	6.2	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
6	0.0	0.0	0.75	23.9	21.6	−38.5	44.1	299.2	5.0	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
7	0.0	0.0	0.875	24.7	23.2	−43.9	49.7	297.9	3.6	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
8	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4	0.0	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
9	0.0	0.125	0.0	23.2	−8.1	3.5	8.9	156.6	1.3	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
10	0.0	0.125	0.125	23.3	−4.5	−5.9	7.4	232.2	1.1	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
11	0.0	0.125	0.25	28.6	−2.1	−13.2	13.4	260.9	5.1	240	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3
12	0.0	0.125	0.375	29.1	2.3	−19.8	19.9	276.6	5.4	251	0.0	0.316	1.0	35.7	5.1	−45.8	46.1	276.3
13	0.0	0.125	0.5	28.1	6.7	−26.1	27.0	284.4	4.5	257	0.0	0.233	1.0	32.7	10.5	−46.2	47.4	282.8
14	0.0	0.125	0.625	28.6	9.8	−32.0	33.5	286.9	4.1	260	0.0	0.183	1.0	30.8	13.6	−46.7	48.6	286.2
15	0.0	0.125	0.75	27.9	14.1	−37.5	40.1	290.6	3.5	262	0.0	0.15	1.0	29.5	15.8	−46.9	49.4	288.6
16	0.0	0.125	0.875	28.7	16.1	−43.0	46.0	290.6	2.7	262	0.0	0.133	1.0	28.9	16.8	−46.9	49.9	289.7
17	0.0	0.125	1.0	28.6	17.4	−46.9	50.1	290.3	0.4	263	0.0	0.116	1.0	28.3	17.8	−47.0	50.3	290.7
18	0.0	0.25	0.0	32.0	−18.5	11.5	21.8	148.0	7.4	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
19	0.0	0.25	0.125	33.0	−14.0	−2.7	14.2	191.2	6.1	180	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5
20	0.0	0.25	0.25	34.0	−9.3	−12.6	15.7	233.6	6.7	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
21	0.0	0.25	0.375	36.1	−7.5	−19.3	20.7	248.7	7.1	228	0.0	0.683	1.0	49.6	−16.6	−44.3	47.4	249.4
22	0.0	0.25	0.5	35.5	−3.7	−25.3	25.6	261.5	6.0	240	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3
23	0.0	0.25	0.625	34.8	0.4	−31.4	31.4	270.8	5.2	247	0.0	0.383	1.0	38.2	0.8	−45.4	45.4	271.0
24	0.0	0.25	0.75	33.6	5.2	−36.7	37.1	278.1	3.6	251	0.0	0.316	1.0	35.7	5.1	−45.8	46.1	276.3
25	0.0	0.25	0.875	33.8	7.9	−42.0	42.8	280.6	2.6	255	0.0	0.266	1.0	33.9	8.3	−46.0	46.7	280.3
26	0.0	0.25	1.0	33.3	9.4	−46.0	47.0	281.6	1.2	257	0.0	0.233	1.0	32.7	10.5	−46.2	47.4	282.8
27	0.0	0.375	0.0	36.3	−27.3	16.1	31.8	149.4	8.2	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
28	0.0	0.375	0.125	37.1	−23.5	2.8	23.6	173.0	6.1	168	0.0	1.0	0.316	53.7	−59.5	3.7	59.6	176.3
29	0.0	0.375	0.25	38.2	−18.0	−10.2	20.7	209.4	6.4	191	0.0	1.0	0.683	56.2	−42.4	−26.3	49.9	211.7
30	0.0	0.375	0.375	39.6	−13.7	−18.8	23.3	234.0	7.6	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
31	0.0	0.375	0.5	40.3	−11.8	−24.6	27.3	244.3	6.1	222	0.0	0.766	1.0	52.2	−20.4	−44.1	48.6	245.1
32	0.0	0.375	0.625	40.5	−9.2	−30.3	31.7	252.9	5.0	232	0.0	0.616	1.0	47.4	−13.4	−44.5	46.4	253.2
33	0.0	0.375	0.75	39.5	−4.7	−35.9	36.3	262.5	3.7	240	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3
34	0.0	0.375	0.875	38.9	−1.2	−41.3	41.4	268.2	2.7	245	0.0	0.416	1.0	39.5	−1.1	−45.4	45.4	268.5
35	0.0	0.375	1.0	37.9	1.3	−45.4	45.4	271.7	0.6	248	0.0	0.366	1.0	37.6	1.8	−45.5	45.5	272.3
36	0.0	0.5	0.0	39.8	−35.6	20.1	40.9	150.5	7.9	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
37	0.0	0.5	0.125	40.7	−32.1	8.4	33.2	165.3	6.1	162	0.0	1.0	0.233	53.2	−62.6	11.0	63.6	170.0
38	0.0	0.5	0.25	42.0	−26.8	−5.1	27.3	190.8	5.9	180	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5
39	0.0	0.5	0.375	43.1	−21.7	−16.3	27.2	216.9	6.3	197	0.0	1.0	0.766	56.8	−38.4	−31.7	49.8	219.6
40	0.0	0.5	0.5	43.8	−17.1	−23.9	29.4	234.3	6.6	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
41	0.0	0.5	0.625	45.0	−15.9	−29.6	33.7	241.6	5.6	219	0.0	0.816	1.0	53.6	−22.5	−44.1	49.5	242.9
42	0.0	0.5	0.75	44.7	−12.6	−34.9	37.2	250.1	3.5	228	0.0	0.683	1.0	49.6	−16.6	−44.3	47.4	249.4
43	0.0	0.5	0.875	45.2	−10.5	−40.5	41.9	255.4	3.0	234	0.0	0.583	1.0	46.1	−11.3	−44.7	46.1	255.8
44	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3	0.0	240	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3
45	0.0	0.625	0.0	43.4	−43.9	23.3	49.7	152.0	7.3	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
46	0.0	0.625	0.125	44.1	−40.4	12.6	42.3	162.5	5.6	159	0.0	1.0	0.183	52.9	−64.5	14.7	66.1	167.1
47	0.0	0.625	0.25	45.2	−35.7	−0.2	35.7	180.3	4.9	172	0.0	1.0	0.383	54.1	−56.6	−1.8	56.6	181.9
48	0.0	0.625	0.375	46.4	−30.2	−12.4	32.7	202.3	5.3	187	0.0	1.0	0.616	55.7	−45.5	−21.3	50.3	205.1
49	0.0	0.625	0.5	47.2	−25.1	−21.8	33.3	220.9	5.3	200	0.0	1.0	0.816	57.1	−36.6	−34.3	50.2	223.1
50	0.0	0.625	0.625	47.9	−20.5	−28.9	35.4	234.6	5.5	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
51	0.0	0.625	0.75	49.2	−19.2	−34.2	39.2	240.6	4.2	217	0.0	0.85	1.0	54.5	−23.9	−44.0	50.1	241.4
52	0.0	0.625	0.875	49.1	−16.7	−40.0	43.3	247.2	2.4	224	0.0	0.733	1.0	51.2	−18.9	−44.2	48.1	246.7
53	0.0	0.625	1.0	47.7	−13.9	−44.4	46.5	252.5	0.4	231	0.0	0.633	1.0	48.0	−14.3	−44.4	46.6	252.1
54	0.0	0.75	0.0	46.9	−51.5	25.6	57.6	153.5	5.8	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
55	0.0	0.75	0.125	47.2	−48.8	16.3	51.5	161.5	4.7	157	0.0	1.0	0.15	52.7	−65.6	17.3	67.9	165.1
56	0.0	0.75	0.25	48.1	−44.4	4.9	44.7	173.6	4.0	168	0.0	1.0	0.316	53.7	−59.5	3.7	59.6	176.3
57	0.0	0.75	0.375	49.5	−38.6	−8.2	39.5	192.0	4.1	180	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5
58	0.0	0.75	0.5	50.4	−33.0	−18.8	38.0	209.6	4.1	191	0.0	1.0	0.683	56.2	−42.4	−26.3	49.9	211.7
59	0.0	0.75	0.625	51.0	−28.0	−26.9	38.9	223.7	3.9	202	0.0	1.0	0.85	57.4	−35.3	−36.0	50.4	225.5
60	0.0	0.75	0.75	51.8	−23.5	−33.7	41.1	235.1	4.0	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
61	0.0	0.75	0.875	52.9	−22.3	−39.5	45.4	240.4	2.9	217	0.0	0.866	1.0	55.0	−24.6	−43.9	50.4	240.7
62	0.0	0.75	1.0	51.7	−19.7	−44.1	48.3	245.8	0.8	222	0.0	0.766	1.0	52.2	−20.4	−44.1	48.6	245.1
63	0.0	0.875	0.0	50.1	−60.9	27.7	66.9	155.4	4.0	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
64	0.0	0.875	0.125	50.6	−57.7	17.6	60.3	162.9	2.7	157	0.0	1.0	0.133	52.6	−66.1	18.6	68.7	164.2
65	0.0	0.875	0.25	51.2	−54.4	8.4	55.0	171.2	2.6	164	0.0	1.0	0.266	53.4	−61.4	8.2	61.9	172.3
66	0.0	0.875	0.375	52.2	−48.7	−4.0	48.9	184.7	2.5	174	0.0	1.0	0.416	54.3	−55.2	−5.0	55.5	185.2
67	0.0	0.875	0.5	53.3	−42.2	−15.8	45.1	200.5	2.8	185	0.0	1.0	0.583	55.5	−47.3	−18.9	50.9	201.8
68	0.0	0.875	0.625	54.2	−36.5	−25.0	44.3	214.3	3.1	195	0.0	1.0	0.733	56.6	−39.9	−29.8	49.8	216.7
69	0.0	0.875	0.75	55.1	−31.6	−32.2	45.1	225.5	2.8	202	0.0	1.0	0.866	57.5	−34.6	−36.8	50.6	226.7
70	0.0	0.875	0.875	55.8	−26.9	−38.9	47.3	235.3	2.9	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
71	0.0	0.875	1.0	55.2	−25.0	−43.9	50.5	240.3	0.3	216	0.0	0.883	1.0	55.4	−25.2	−43.9	50.7	240.0
72	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7	0.0	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
73	0.0	1.0	0.125	52.5	−66.4	19.3	69.1	163.7	0.5	156	0.0	1.0	0.116	52.5	−66.6	19.9	69.5	163.3
74	0.0	1.0	0.25	53.2	−61.9	9.8	62.7	170.9	1.3	162	0.0	1.0	0.233	53.2	−62.6	11.0	63.6	170.0
75	0.0	1.0	0.375	54.1	−56.9	−1.0	56.9	181.0	0.7	171	0.0	1.0	0.366	54.0	−57.3	−0.4	57.3	180.4
76	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5	0.0	180	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5
77	0.0	1.0	0.625	55.8	−45.1	−21.9	50.1	205.9	0.7	188	0.0	1.0	0.633	55.8	−44.7	−22.5	50.1	206.7
78	0.0	1.0	0.75	56.7	−38.9	−30.9	49.7	218.4	1.0	197	0.0	1.0	0.766	56.8	−38.4	−31.7	49.8	219.6
79	0.0	1.0	0.875	57.5	−34.3	−37.2	50.6	227.3	0.5	203	0.0	1.0	0.883	57.6	−34.0	−37.7	50.8	227.9
80	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1	0.0	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1

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

1−0031930−F0

QE640−7N, Page 20/33−F

TUB-test chart QE64; hue code: H*$_d$=Y75G$_d$
colors and differences, Δ*E**'

input: *rgb/cmyk* −> *rgb*$_d$
output: transfer to *cmyk*$_d$

see similar files: http://130.149.60.45/~farbmetrik/QE64/QE64.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE64/QE64L0NP.PDF /.PS
application for measurement of offset print output, separation cmyn6 (CMYK)

TUB material: code=rha4ta

1−0031930−F0

QE6400L

http://130.149.60.45/~farbmetrik/QE64/QE64L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 21/33

TUB registration: 20130201-QE64/QE64L0NP.PDF /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmyn6 (CMYK)

n	HIC^*_{Fd}	$rgb_{\_Fd}$			$ict_{\_Fd}$			$h_{si\_F,d}$	rgb^*_{Fd}			$LabCh^*_{Fd}$					$rgb^{*\prime}_{Fd}$			$LabCh^{*\prime}_{Fd}$					$DE^{*\prime}_{Fd}$	$h_{siM,d}$	rgb^*_{Md}			$LabCh^*_{Md}$				
81	R00Y_012_012$_{d}$	0.125	0.0	0.0	0.125	0.125	0.062	390	0.125	0.0	0.0	21.4	7.9	5.1	9.5	32.8	0.125	0.0	0.0	22.6	5.8	6.1	8.4	46.2	2.6	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
82	B50R_012_012$_{d}$	0.125	0.0	0.125	0.125	0.125	0.062	330	0.125	0.0	0.125	21.5	9.1	−1.0	9.1	353.3	0.125	0.0	0.125	22.0	8.7	−2.1	9.0	346.0	1.2	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
83	B25R_025_025$_{d}$	0.125	0.0	0.25	0.25	0.25	0.125	300	0.125	0.0	0.25	22.7	13.4	−6.5	14.9	333.9	0.125	0.0	0.25	26.4	15.2	−8.9	17.6	329.7	4.7	300	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9
84	B15R_037_037$_{d}$	0.125	0.0	0.375	0.375	0.375	0.187	289	0.118	0.0	0.375	23.3	15.9	−13.2	20.7	320.2	0.125	0.0	0.375	27.5	19.5	−15.7	25.0	321.2	6.0	288	0.316	0.0	1.0	32.7	42.4	−35.3	55.3	320.2
85	B11R_050_050$_{d}$	0.125	0.0	0.5	0.5	0.5	0.25	284	0.116	0.0	0.5	24.4	17.8	−19.8	26.6	311.9	0.125	0.0	0.5	26.6	24.0	−22.4	32.9	317.0	7.0	282	0.233	0.0	1.0	31.2	35.6	−39.6	53.3	311.9
86	B09R_062_062$_{d}$	0.125	0.0	0.625	0.625	0.625	0.312	281	0.114	0.0	0.625	25.6	21.2	−25.6	33.2	309.5	0.125	0.0	0.625	27.1	26.6	−28.7	39.1	312.7	6.4	279	0.183	0.0	1.0	30.3	33.9	−41.0	53.2	309.5
87	B07R_075_075$_{d}$	0.125	0.0	0.75	0.75	0.75	0.375	279	0.112	0.0	0.75	26.7	24.5	−31.4	39.9	307.9	0.125	0.0	0.75	27.8	28.8	−33.9	44.5	310.3	5.0	278	0.15	0.0	1.0	29.7	32.7	−41.9	53.2	307.9
88	B06R_087_087$_{d}$	0.125	0.0	0.875	0.875	0.875	0.437	278	0.116	0.0	0.875	28.0	28.1	−37.0	46.5	307.1	0.125	0.0	0.875	28.8	31.4	−38.8	49.9	308.9	3.8	277	0.133	0.0	1.0	29.4	32.1	−42.3	53.1	307.1
89	B05R_100_100$_{d}$	0.125	0.0	1.0	1.0	1.0	0.5	277	0.116	0.0	1.0	29.0	31.2	−42.9	53.1	306.0	0.125	0.0	1.0	29.3	31.8	−42.6	53.1	306.7	0.6	276	0.116	0.0	1.0	29.0	31.2	−42.9	53.1	306.0
90	Y00G_012_012$_{d}$	0.125	0.125	0.0	0.125	0.125	0.062	90	0.125	0.125	0.0	26.5	−1.4	11.8	11.9	97.1	0.125	0.125	0.0	27.7	−3.1	9.7	10.2	108.1	2.9	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
91	NW_012$_{d}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	27.4	0.0	0.0	0.0	0.0	0.125	0.125	0.125	28.0	−0.2	−0.4	0.5	238.7	0.8	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
92	B00R_025_012$_{d}$	0.125	0.125	0.25	0.25	0.125	0.187	270	0.124	0.124	0.25	28.3	2.9	−5.9	6.6	296.4	0.125	0.125	0.25	31.9	3.7	−8.7	9.5	293.2	4.6	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
93	B00R_037_025$_{d}$	0.125	0.125	0.375	0.375	0.25	0.25	270	0.124	0.124	0.375	29.3	5.8	−11.8	13.2	296.4	0.125	0.125	0.375	33.8	7.7	−14.6	16.5	297.7	5.5	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
94	B00R_050_037$_{d}$	0.125	0.125	0.5	0.5	0.375	0.312	270	0.124	0.124	0.5	30.2	8.8	−17.7	19.8	296.4	0.125	0.125	0.5	33.1	12.1	−20.7	24.0	300.3	5.3	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
95	B00R_062_050$_{d}$	0.125	0.125	0.625	0.625	0.5	0.375	270	0.125	0.125	0.625	31.2	11.7	−23.6	26.4	296.4	0.125	0.125	0.625	33.6	15.2	−26.4	30.5	300.0	5.0	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
96	B00R_075_062$_{d}$	0.125	0.125	0.75	0.75	0.625	0.437	270	0.125	0.125	0.75	32.1	14.6	−29.5	33.0	296.4	0.125	0.125	0.75	33.2	18.6	−32.3	37.3	300.0	4.9	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
97	B00R_087_075$_{d}$	0.125	0.125	0.875	0.875	0.75	0.5	270	0.125	0.125	0.875	33.1	17.6	−35.5	39.6	296.4	0.125	0.125	0.875	33.9	22.1	−37.4	43.4	300.6	4.9	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
98	B00R_100_087$_{d}$	0.125	0.125	1.0	1.0	0.875	0.562	270	0.125	0.125	1.0	34.1	20.5	−41.4	46.2	296.4	0.125	0.125	1.0	33.6	23.8	−41.7	48.0	299.7	3.3	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
99	Y50G_025_025$_{d}$	0.125	0.25	0.0	0.25	0.25	0.125	120	0.125	0.25	0.0	31.4	−7.8	16.5	18.2	115.3	0.125	0.25	0.0	36.5	−10.7	18.4	21.4	120.2	6.1	119	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3
100	G00B_025_012$_{d}$	0.125	0.25	0.125	0.25	0.125	0.187	150	0.124	0.25	0.124	31.7	−8.6	3.5	9.2	157.7	0.125	0.25	0.125	35.6	−9.7	5.4	11.1	150.9	4.5	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
101	G50B_025_012$_{d}$	0.125	0.25	0.25	0.25	0.125	0.187	210	0.124	0.25	0.25	32.5	−3.6	−5.4	6.5	236.1	0.125	0.25	0.25	36.7	−5.3	−7.4	9.1	234.0	4.9	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
102	G75B_037_025$_{d}$	0.125	0.25	0.375	0.375	0.25	0.25	240	0.124	0.25	0.375	33.6	−1.5	−11.2	11.3	262.3	0.125	0.25	0.375	39.3	−2.0	−12.9	13.0	260.8	5.9	240	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3
103	G84B_050_037$_{d}$	0.125	0.25	0.5	0.5	0.375	0.312	251	0.124	0.243	0.5	34.2	1.9	−17.2	17.3	276.3	0.125	0.25	0.5	39.5	1.7	−18.7	18.8	275.2	5.5	251	0.0	0.316	1.0	35.7	5.1	−45.8	46.1	276.3
104	G88B_062_050$_{d}$	0.125	0.25	0.625	0.625	0.5	0.375	256	0.125	0.241	0.625	34.9	5.2	−23.1	23.7	282.8	0.125	0.25	0.625	39.5	5.3	−24.6	25.2	282.3	4.8	257	0.0	0.233	1.0	32.7	10.5	−46.2	47.4	282.8
105	G90B_075_062$_{d}$	0.125	0.25	0.75	0.75	0.625	0.437	259	0.125	0.239	0.75	35.6	8.5	−29.1	30.4	286.2	0.125	0.25	0.75	38.4	9.8	−30.8	32.3	287.7	3.5	260	0.0	0.183	1.0	30.8	13.6	−46.7	48.6	286.2
106	G92B_087_075$_{d}$	0.125	0.25	0.875	0.875	0.75	0.5	261	0.125	0.237	0.875	36.3	11.8	−35.1	37.1	288.6	0.125	0.25	0.875	38.5	13.3	−36.3	38.7	290.1	2.9	262	0.0	0.15	1.0	29.5	15.8	−46.9	49.4	288.6
107	G93B_100_087$_{d}$	0.125	0.25	1.0	1.0	0.875	0.562	262	0.125	0.241	1.0	37.2	14.7	−41.0	43.6	289.7	0.125	0.25	1.0	38.1	15.5	−40.4	43.3	291.1	1.4	262	0.0	0.133	1.0	28.9	16.8	−46.9	49.9	289.7
108	Y68G_037_037$_{d}$	0.125	0.375	0.0	0.375	0.375	0.187	131	0.118	0.375	0.0	35.5	−15.8	20.1	25.6	128.2	0.125	0.375	0.0	40.7	−19.0	23.7	30.4	128.6	7.1	131	0.316	1.0	0.0	65.1	−42.3	53.6	68.2	128.2
109	G00B_037_025$_{d}$	0.125	0.375	0.125	0.375	0.25	0.25	150	0.124	0.375	0.124	35.9	−17.2	7.0	18.5	157.7	0.125	0.375	0.125	40.8	−17.0	11.0	20.3	147.1	6.3	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
110	G25B_037_025$_{d}$	0.125	0.375	0.25	0.375	0.25	0.25	180	0.124	0.375	0.25	36.7	−12.7	−3.0	13.1	193.5	0.125	0.375	0.25	42.3	−12.9	−2.3	13.1	190.4	5.6	180	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5
111	G50B_037_025$_{d}$	0.125	0.375	0.375	0.375	0.25	0.25	210	0.124	0.375	0.375	37.5	−7.3	−10.9	13.1	236.1	0.125	0.375	0.375	43.5	−8.9	−12.3	15.2	234.2	6.3	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
112	G65B_050_037$_{d}$	0.125	0.375	0.5	0.5	0.375	0.312	229	0.124	0.381	0.5	39.4	−6.2	−16.6	17.7	249.4	0.125	0.375	0.5	44.7	−6.8	−17.9	19.2	249.0	5.5	228	0.0	0.683	1.0	49.6	−16.6	−44.3	47.4	249.4
113	G75B_062_050$_{d}$	0.125	0.375	0.625	0.625	0.5	0.375	240	0.125	0.375	0.625	39.9	−3.0	−22.5	22.7	262.3	0.125	0.375	0.625	45.3	−3.6	−23.6	23.9	261.3	5.4	240	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3
114	G80B_075_062$_{d}$	0.125	0.375	0.75	0.75	0.625	0.437	247	0.125	0.364	0.75	40.2	0.5	−28.4	28.4	271.0	0.125	0.375	0.75	43.6	1.1	−29.7	29.7	272.2	3.6	247	0.0	0.383	1.0	38.2	0.8	−45.4	45.4	271.0
115	G84B_087_075$_{d}$	0.125	0.375	0.875	0.875	0.75	0.5	251	0.125	0.362	0.875	40.9	3.8	−34.4	34.6	276.3	0.125	0.375	0.875	44.6	4.0	−34.9	35.1	276.6	3.6	251	0.0	0.316	1.0	35.7	5.1	−45.8	46.1	276.3
116	G86B_100_087$_{d}$	0.125	0.375	1.0	1.0	0.875	0.562	254	0.125	0.358	1.0	41.6	7.3	−40.2	40.9	280.3	0.125	0.375	1.0	42.3	8.4	−39.6	40.5	281.9	1.4	255	0.0	0.266	1.0	33.9	8.3	−46.0	46.7	280.3
117	Y76G_050_050$_{d}$	0.125	0.5	0.0	0.5	0.5	0.25	136	0.116	0.5	0.0	39.0	−24.4	23.3	33.8	136.2	0.125	0.5	0.0	44.2	−26.4	27.6	38.2	133.7	7.0	137	0.233	1.0	0.0	60.4	−48.8	46.7	67.6	136.2
118	G00B_050_037$_{d}$	0.125	0.5	0.125	0.5	0.375	0.312	150	0.124	0.5	0.124	40.2	−25.8	10.5	27.8	157.7	0.125	0.5	0.125	44.8	−24.5	15.9	29.2	147.0	7.1	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
119	G15B_050_037$_{d}$	0.125	0.5	0.25	0.5	0.375	0.312	169	0.124	0.5	0.243	40.9	−22.3	1.4	22.3	176.3	0.125	0.5	0.25	45.9	−20.4	2.8	20.6	171.9	5.5	168	0.0	1.0	0.316	53.7	−59.5	3.7	59.6	176.3
120	G34B_050_037$_{d}$	0.125	0.5	0.375	0.5	0.375	0.312	191	0.124	0.5	0.381	41.8	−15.9	−9.8	18.7	211.7	0.125	0.5	0.375	47.7	−16.0	−9.1	18.4	209.5	5.8	191	0.0	1.0	0.683	56.2	−42.4	−26.3	49.9	211.7
121	G50B_050_037$_{d}$	0.125	0.5	0.5	0.5	0.375	0.312	210	0.124	0.5	0.5	42.6	−10.9	−16.4	19.7	236.1	0.125	0.5	0.5	47.9	−12.3	−17.4	21.3	234.7	5.5	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
122	G61B_062_050$_{d}$	0.125	0.5	0.625	0.625	0.5	0.375	224	0.125	0.508	0.625	44.6	−10.2	−22.0	24.3	245.1	0.125	0.5	0.625	49.8	−10.6	−22.8	25.2	244.9	5.2	222	0.0	0.766	1.0	52.2	−20.4	−44.1	48.6	245.1
123	G69B_075_062$_{d}$	0.125	0.5	0.75	0.75	0.625	0.437	233	0.125	0.51	0.75	46.0	−8.3	−27.8	29.0	253.2	0.125	0.5	0.75	49.1	−7.9	−28.6	29.7	254.4	3.2	232	0.0	0.616	1.0	47.4	−13.4	−44.5	46.4	253.2
124	G75B_087_075$_{d}$	0.125	0.5	0.875	0.875	0.75	0.5	240	0.125	0.5	0.875	46.2	−4.5	−33.7	34.0	262.3	0.125	0.5	0.875	49.6	−4.4	−34.1	34.4	262.5	3.4	240	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3
125	G79B_100_087$_{d}$	0.125	0.5	1.0	1.0	0.875	0.562	245	0.125	0.489	1.0	46.5	−0.9	−39.7	39.7	268.5	0.125	0.5	1.0	47.2	0.5	−38.8	38.8	270.8	1.9	245	0.0	0.416	1.0	39.5	−1.1	−45.4	45.4	268.5
126	Y81G_062_062$_{d}$	0.125	0.625	0.0	0.625	0.625	0.312	139	0.114	0.625	0.0	43.5	−32.3	27.0	42.1	140.1	0.125	0.625	0.0	48.1	−34.1	31.3	46.3	137.3	6.5	140	0.183	1.0	0.0	59.0	−51.8	43.2	67.4	140.1
127	G00B_062_050$_{d}$	0.125	0.625	0.125	0.625	0.5	0.375	150	0.125	0.625	0.125	44.5	−34.4	14.0	37.1	157.7	0.125	0.625	0.125	48.8	−31.7	20.0	37.5	147.6	7.8	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
128	G11B_062_050$_{d}$	0.125	0.625	0.25	0.625	0.5	0.375	164	0.125	0.625	0.241	45.1	−31.3	5.5	31.8	170.0	0.125	0.625	0.25	49.9	−28.4	8.0	29.5	164.2	6.1	162	0.0	1.0	0.233	53.2	−62.6	11.0	63.6	170.0
129	G25B_062_050$_{d}$	0.125	0.625	0.375	0.625	0.5	0.375	180	0.125	0.625	0.375	46.0	−25.5	−6.1	26.2	193.5	0.125	0.625	0.375	51.1	−23.9	−4.0	24.3	189.6	5.7	180	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5
130	G38B_062_050$_{d}$	0.125	0.625	0.5	0.625	0.5	0.375	196	0.125	0.625	0.508	47.0	−19.2	−15.8	24.9	219.6	0.125	0.625	0.5	52.0	−19.4	−14.8	24.4	217.4	5.1	197	0.0	1.0	0.766	56.8	−38.4	−31.7	49.8	219.6
131	G50B_062_050$_{d}$	0.125	0.625	0.625	0.625	0.5	0.375	210	0.125	0.625	0.625	47.7	−14.6	−21.8	26.3	236.1	0.125	0.625	0.625	52.7	−15.6	−22.4	27.3	235.1	5.1	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
132	G59B_075_062$_{d}$	0.125	0.625	0.75	0.75	0.625	0.437	221	0.125	0.635	0.75	49.8	−14.0	−27.5	30.9	242.9	0.125	0.625	0.75	54.2	−14.2	−27.8	31.2	242.9	4.3	219	0.0	0.816	1.0	53.6	−22.5	−44.1	49.5	242.9
133	G65B_087_075$_{d}$	0.125	0.625	0.875	0.875	0.75	0.5	229	0.125	0.637	0.875	51.3	−12.4	−33.2	35.5	249.4	0.125	0.625	0.875	54.6	−11.0	−33.1	34.9	251.5	3.5	228	0.0	0.683	1.0	49.6	−16.6	−44.3	47.4	249.4
134	G70B_100_087$_{d}$	0.125	0.625	1.0	1.0	0.875	0.562	235	0.125	0.635	1.0	52.2	−9.8	−39.1	40.4	255.8	0.125	0.625	1.0	53.1	−8.0	−37.9	38.8	257.9	2.3	234	0.0	0.583	1.0	46.1	−11.3	−44.7	46.1	255.8
135	Y85G_075_075$_{d}$	0.125	0.75	0.0	0.75	0.75	0.375	141	0.112	0.75	0.0	48.0	−40.2	30.6	50.5	142.7	0.125	0.75	0.0	51.5	−41.2	34.0	53.4	140.4	5.0	142	0.15	1.0	0.0	58.1	−53.6	40.8	67.4	142.7
136	G00B_075_062$_{d}$	0.125	0.75	0.125	0.75	0.625	0.437	150	0.125	0.75	0.125	48.8	−43.0	17.5	46.4	157.7	0.125	0.75	0.125	52.3	−38.6	23.5	45.2	148.6	8.1	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
137	G09B_075_062$_{d}$	0.125	0.75	0.25	0.75	0.625	0.437	161	0.125	0.75	0.239	49.4	−40.3	9.2	41.3	167.1	0.125	0.75	0.25	53.2	−35.7	13.1	38.0	159.8	7.1	159	0.0	1.0	0.183	52.9	−64.5	14.7	66.1	167.1
138	G19B_075_062$_{d}$	0.125	0.75	0.375	0.75	0.625	0.437	173	0.125	0.75	0.364	50.2	−35.4	−1.1	35.4	181.9	0.125	0.75	0.375	54.5	−31.7	1.0	31.8	178.1	6.0	172	0.0	1.0	0.383	54.1	−56.6	−1.8	56.6	181.9
139	G30B_075_062$_{d}$	0.125	0.75	0.5	0.75	0.625	0.437	187	0.125	0.75	0.51	51.2	−28.4	−13.3	31.4	205.1	0.125	0.75	0.5	55.6	−26.4	−11.5	28.8	203.5	5.1	187	0.0	1.0	0.616	55.7	−45.5	−21.3	50.3	205.1
140	G40B_075_062$_{d}$	0.125	0.75	0.625	0.75	0.625	0.437	199	0.125	0.75	0.635	52.1	−22.9	−21.4	31.4	223.1	0.125	0.75	0.625	56.1	−22.5	−19.9	30.1	221.4	4.3	200	0.0	1.0	0.816	57.1	−36.6	−34.3	50.2	223.1
141	G50B_075_062$_{d}$	0.125	0.75	0.75	0.75	0.625	0.437	210	0.125	0.75	0.75	52.8	−18.3	−27.3	32.9	236.1	0.125	0.75	0.75	57.0	−18.6	−27.3	33.0	235.7	4.2	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
142	G57B_087_075$_{d}$	0.125	0.75	0.875	0.875	0.75	0.5	219	0.125	0.762	0.875	55.0	−17.9	−33.0	37.5	241.4	0.125	0.75	0.875	58.7	−17.2	−32.7	37.0	242.2	3.7	217	0.0	0.85	1.0	54.5	−23.9	−44.0	50.1	241.4
143	G63B_100_087$_{d}$	0.125	0.75	1.0	1.0	0.875	0.562	226	0.125	0.766	1.0	56.7	−16.6	−38.7	42.1	246.7	0.125	0.75	1.0	57.3	−13.9	−37.3	39.8	249.5	3.0	224	0.0	0.733	1.0	51.2	−18.9	−44.2	48.1	246.7
144	Y86G_087_087$_{d}$	0.125	0.875	0.0	0.875	0.875	0.437	142	0.116	0.875	0.0	52.6	−47.7	34.6	58.9	144.0	0.125	0.875	0.0	55.4	−48.7	37.2	61.3	142.6	3.9	142	0.133	1.0	0.0	57.6	−54.5	39.5	67.3	144.0
145	G00B_087_075$_{d}$	0.125	0.875	0.125	0.875	0.75	0.5	150	0.125	0.875	0.125	53.1	−51.6	21.0	55.7	157.7	0.125	0.875	0.125	56.3	−46.0	27.2	53.5	149.4	8.8	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
146	G07B_087_075$_{d}$	0.125	0.875	0.25	0.875	0.75	0.5	159	0.125	0.875	0.237	53.6	−49.2	13.0	50.9	165.1	0.125	0.875	0.25	56.9	−43.7	17.5	47.1	158.0	7.8	157	0.0	1.0	0.15	52.7	−65.6	17.3	67.9	165.1
147	G15B_087_075$_{d}$	0.125	0.875	0.375	0.875	0.75	0.5	169	0.125	0.875	0.362	54.4	−44.6	2.8	44.7	176.3	0.125	0.875	0.375	58.0	−39.5	5.4	39.9	172.2	6.7	168	0.0	1.0	0.316	53.7	−59.5	3.7	59.6	176.3
148	G25B_087_075$_{d}$	0.125	0.875	0.5	0.875	0.75	0.5	180	0.125	0.875	0.5	55.2	−38.3	−9.2	39.4	193.5	0.125	0.875	0.5	58.7	−35.0	−6.9	35.7	191.1	5.3	180	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5
149	G34B_087_075$_{d}$	0.125	0.875	0.625	0.875	0.75	0.5	191	0.125	0.875	0.637	56.3	−31.8	−19.7	37.4	211.7	0.125	0.875	0.625	60.0	−29.9	−17.0	34.4	209.7	4.9	191	0.0	1.0	0.683	56.2	−42.4	−26.3	49.9	211.7
150	G42B_087_075$_{d}$	0.125	0.875	0.75	0.875	0.75	0.5	201	0.125	0.875	0.762	57.2	−26.5	−27.0	37.8	225.5	0.125	0.875	0.75	60.8	−25.5	−25.6	36.1	225.1	3.9	202	0.0	1.0	0.85	57.4	−35.3	−36.0	50.4	225.5
151	G50B_087_075$_{d}$	0.125	0.875	0.875	0.875	0.75	0.5	210	0.125	0.875	0.875	57.9	−21.9	−32.8	39.4	236.1	0.125	0.875	0.875	61.6	−21.6	−32.3	38.9	236.2	3.8	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
152	G56B_100_087$_{d}$	0.125	0.875	1.0	1.0	0.875	0.562	218	0.125	0.883	1.0	60.0	−21.5	−38.4	44.1	240.7	0.125	0.875	1.0	61.1	−19.5	−37.2	42.1	242.3	2.5	217	0.0	0.866	1.0	55.0	−24.6	−43.9	50.4	240.7
153	Y88G_100_100$_{d}$	0.125	1.0	0.0	1.0	1.0	0.5	143	0.116	1.0	0.0	57.0	−55.9	38.3	67.8	145.5	0.125	1.0	0.0	57.4	−54.9	38.9	67.3	144.6	1.1	143	0.116	1.0	0.0	57.0	−55.9	38.3	67.8	145.5
154	G00B_100_087$_{d}$	0.125	1.0	0.125	1.0	0.875	0.562	150	0.125	1.0	0.125	57.3	−60.2	24.6	65.0	157.7	0.125	1.0	0.125	58.3	−52.3	29.4	60.0	150.6	9.2	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
155	G06B_100_087$_{d}$	0.125	1.0	0.25	1.0	0.875	0.562	158	0.125	1.0	0.241	57.9	−57.8	16.3	60.1	164.2	0.125	1.0	0.25	58.7	−49.8	19.3	53.4	158.8	8.5	157	0.0	1.0	0.133	52.6	−66.1	18.6	68.7	164.2
156	G13B_100_087$_{d}$	0.125	1.0	0.375	1.0	0.875	0.562	166	0.125	1.0	0.358	58.6	−53.7	7.2	54.2	172.3	0.125	1.0	0.375	59.7	−46.5	9.6	47.4	168.3	7.7	164	0.0	1.0	0.266	53.4	−61.4	8.2	61.9	172.3
157	G20B_100_087$_{d}$	0.125	1.0	0.5	1.0	0.875	0.562	175	0.125	1.0	0.489	59.4	−48.3	−4.4	48.5	185.2	0.125	1.0	0.5	60.4	−42.2	−1.8	42.3	182.5	6.6	174	0.0	1.0	0.416	54.3	−55.2	−5.0	55.5	185.2
158	G29B_100_087$_{d}$	0.125	1.0	0.625	1.0	0.875	0.562	185	0.125	1.0	0.635	60.5	−41.4	−16.5	44.6	201.8	0.125	1.0	0.625	61.4	−37.1	−13.0	39.3	199.3	5.6	185	0.0	1.0	0.583	55.5	−47.3	−18.9	50.9	201.8
159	G36B_100_087$_{d}$	0.125	1.0	0.75	1.0	0.875	0.562	194	0.125	1.0	0.766	61.4	−34.9	−26.0	43.5	216.7	0.125	1.0	0.75	62.5	−32.0	−22.8	39.3	215.4	4.4	195	0.0	1.0	0.733	56.6	−39.9	−29.8	49.8	216.7
160	G43B_100_087$_{d}$	0.125	1.0	0.875	1.0	0.875	0.562	202	0.125	1.0	0.883	62.2	−30.3	−32.2	44.2	226.7	0.125	1.0	0.875	63.4	−27.9	−29.7	40.8	226.7	3.6	202	0.0	1.0	0.866	57.5	−34.6	−36.8	50.6	226.7
161	G50B_100_087$_{d}$	0.125	1.0	1.0	1.0	0.875	0.562	210	0.125	1.0	1.0	62.9	−25.6	−38.2	46.0	236.1	0.125	1.0	1.0	64.1	−23.7	−36.5	43.5	237.0	2.8	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1

Mean color difference of this page: **delta $E^{*\prime}$ = 4.9**

TUB-test chart QE64; hue code: H^*_d=$Y75G_d$
colors and differences, $\Delta E^{*\prime}$

input: *rgb/cmyk* −> rgb_d
output: transfer to $cmyk_d$

see similar files: http://130.149.60.45/~farbmetrik/QE64/QE64.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE64/QE64L0NP.PDF /.PS TUB material: code=rha4ta

application for measurement of offset print output, separation cmyn6 (CMYK)

http://130.149.60.45/~farbmetrik/QE64/QE64L0NP.PDF /.PS; transfer output

N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 22/33

n	HIC*$_{Fd}$	rgb$_{\_Fd}$			ict$_{\_Fd}$			$h_{si\_F,d}$	rgb*$_{Fd}$			LabCh*$_{Fd}$				
162	R00Y_025_025$_d$	0.25	0.0	0.0	0.25	0.25	0.125	390	0.25	0.0	0.0	25.1	15.9	10.3	19.0	32.8
163	R00Y_025_025$_d$	0.25	0.0	0.125	0.25	0.25	0.125	360	0.25	0.0	0.125	25.2	16.9	3.5	17.2	11.6
164	B50R_025_025$_d$	0.25	0.0	0.25	0.25	0.25	0.125	330	0.25	0.0	0.25	25.3	18.2	−2.1	18.3	353.3
165	B34R_037_037$_d$	0.25	0.0	0.375	0.375	0.375	0.187	311	0.256	0.0	0.375	26.8	23.3	−7.0	24.3	343.1
166	B25R_050_050$_d$	0.25	0.0	0.5	0.5	0.5	0.25	300	0.25	0.0	0.5	27.7	26.9	−13.1	29.9	333.9
167	B19R_062_062$_d$	0.25	0.0	0.625	0.625	0.625	0.312	293	0.239	0.0	0.625	27.9	30.0	−19.3	35.7	327.2
168	B15R_075_075$_d$	0.25	0.0	0.75	0.75	0.75	0.375	289	0.237	0.0	0.75	29.0	31.8	−26.5	41.4	320.2
169	B13R_087_087$_d$	0.25	0.0	0.875	0.875	0.875	0.437	286	0.233	0.0	0.875	30.1	33.1	−33.5	47.1	314.6
170	B11R_100_100$_d$	0.25	0.0	1.0	1.0	1.0	0.5	284	0.233	0.0	1.0	31.2	35.6	−39.6	53.3	311.9
171	R50Y_025_025$_d$	0.25	0.125	0.0	0.25	0.25	0.125	60	0.25	0.125	0.0	30.0	5.6	16.9	17.8	71.4
172	R00Y_025_012$_d$	0.25	0.125	0.125	0.25	0.125	0.187	390	0.25	0.124	0.124	31.1	7.9	5.1	9.5	32.8
173	B50R_025_012$_d$	0.25	0.125	0.25	0.25	0.125	0.187	330	0.25	0.124	0.25	31.2	9.1	−1.0	9.1	353.3
174	B25R_037_025$_d$	0.25	0.125	0.375	0.375	0.25	0.25	300	0.25	0.124	0.375	32.4	13.4	−6.5	14.9	333.9
175	B15R_050_037$_d$	0.25	0.125	0.5	0.5	0.375	0.312	289	0.243	0.124	0.5	33.0	15.9	−13.2	20.7	320.2
176	B11R_062_050$_d$	0.25	0.125	0.625	0.625	0.5	0.375	284	0.241	0.125	0.625	34.2	17.8	−19.8	26.6	311.9
177	B09R_075_062$_d$	0.25	0.125	0.75	0.75	0.625	0.437	281	0.239	0.125	0.75	35.3	21.2	−25.6	33.2	309.5
178	B07R_087_075$_d$	0.25	0.125	0.875	0.875	0.75	0.5	279	0.237	0.125	0.875	36.4	24.5	−31.4	39.9	307.9
179	B06R_100_087$_d$	0.25	0.125	1.0	1.0	0.875	0.562	278	0.241	0.125	1.0	37.7	28.1	−37.0	46.5	307.1
180	Y00G_025_025$_d$	0.25	0.25	0.0	0.25	0.25	0.125	90	0.25	0.25	0.0	35.3	−2.9	23.7	23.9	97.1
181	Y00G_025_012$_d$	0.25	0.25	0.125	0.25	0.125	0.187	90	0.25	0.25	0.124	36.2	−1.4	11.8	11.9	97.1
182	NW_025$_d$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	37.1	0.0	0.0	0.0	0.0
183	B00R_037_012$_d$	0.25	0.25	0.375	0.375	0.125	0.312	270	0.249	0.249	0.375	38.1	2.9	−5.9	6.6	296.4
184	B00R_050_025$_d$	0.25	0.25	0.5	0.5	0.25	0.375	270	0.249	0.249	0.5	39.0	5.8	−11.8	13.2	296.4
185	B00R_062_037$_d$	0.25	0.25	0.625	0.625	0.375	0.437	270	0.25	0.25	0.625	40.0	8.8	−17.7	19.8	296.4
186	B00R_075_050$_d$	0.25	0.25	0.75	0.75	0.5	0.5	270	0.25	0.25	0.75	40.9	11.7	−23.6	26.4	296.4
187	B00R_087_062$_d$	0.25	0.25	0.875	0.875	0.625	0.562	270	0.25	0.25	0.875	41.9	14.6	−29.5	33.0	296.4
188	B00R_100_075$_d$	0.25	0.25	1.0	1.0	0.75	0.625	270	0.25	0.25	1.0	42.8	17.6	−35.5	39.6	296.4
189	Y31G_037_037$_d$	0.25	0.375	0.0	0.375	0.375	0.187	109	0.256	0.375	0.0	41.0	−8.5	29.8	31.0	106.0
190	Y50G_037_025$_d$	0.25	0.375	0.125	0.375	0.25	0.25	120	0.25	0.375	0.124	41.2	−7.8	16.5	18.2	115.3
191	G00B_037_012$_d$	0.25	0.375	0.25	0.375	0.125	0.312	150	0.249	0.375	0.249	41.4	−8.6	3.5	9.2	157.7
192	G50B_037_012$_d$	0.25	0.375	0.375	0.375	0.125	0.312	210	0.249	0.375	0.375	42.2	−3.6	−5.4	6.5	236.1
193	G75B_050_025$_d$	0.25	0.375	0.5	0.5	0.25	0.375	240	0.249	0.375	0.5	43.4	−1.5	−11.2	11.3	262.3
194	G84B_062_037$_d$	0.25	0.375	0.625	0.625	0.375	0.437	251	0.25	0.368	0.625	43.9	1.9	−17.2	17.3	276.3
195	G88B_075_050$_d$	0.25	0.375	0.75	0.75	0.5	0.5	256	0.25	0.366	0.75	44.6	5.2	−23.1	23.7	282.8
196	G90B_087_062$_d$	0.25	0.375	0.875	0.875	0.625	0.562	259	0.25	0.364	0.875	45.3	8.5	−29.1	30.4	286.2
197	G92B_100_075$_d$	0.25	0.375	1.0	1.0	0.75	0.625	261	0.25	0.362	1.0	46.0	11.8	−35.1	37.1	288.6
198	Y50G_050_050$_d$	0.25	0.5	0.0	0.5	0.5	0.25	120	0.25	0.5	0.0	45.2	−15.6	33.0	36.5	115.3
199	Y68G_050_037$_d$	0.25	0.5	0.125	0.5	0.375	0.312	131	0.243	0.5	0.124	45.2	−15.8	20.1	25.6	128.2
200	G00B_050_025$_d$	0.25	0.5	0.25	0.5	0.25	0.375	150	0.249	0.5	0.249	45.7	−17.2	7.0	18.5	157.7
201	G25B_050_025$_d$	0.25	0.5	0.375	0.5	0.25	0.375	180	0.249	0.5	0.375	46.4	−12.7	−3.0	13.1	193.5
202	G50B_050_025$_d$	0.25	0.5	0.5	0.5	0.25	0.375	210	0.249	0.5	0.5	47.3	−7.3	−10.9	13.1	236.1
203	G65B_062_037$_d$	0.25	0.5	0.625	0.625	0.375	0.437	229	0.25	0.506	0.625	49.1	−6.2	−16.6	17.7	249.4
204	G75B_075_050$_d$	0.25	0.5	0.75	0.75	0.5	0.5	240	0.25	0.5	0.75	49.6	−3.0	−22.5	22.7	262.3
205	G80B_087_062$_d$	0.25	0.5	0.875	0.875	0.625	0.562	247	0.25	0.489	0.875	50.0	0.5	−28.4	28.4	271.0
206	G84B_100_075$_d$	0.25	0.5	1.0	1.0	0.75	0.625	251	0.25	0.487	1.0	50.7	3.8	−34.4	34.6	276.3
207	Y61G_062_062$_d$	0.25	0.625	0.0	0.625	0.625	0.312	127	0.239	0.625	0.0	49.8	−22.8	36.6	43.2	121.9
208	Y76G_062_050$_d$	0.25	0.625	0.125	0.625	0.5	0.375	136	0.241	0.625	0.125	48.7	−24.4	23.3	33.8	136.2
209	G00B_062_037$_d$	0.25	0.625	0.25	0.625	0.375	0.437	150	0.25	0.625	0.25	49.9	−25.8	10.5	27.8	157.7
210	G15B_062_037$_d$	0.25	0.625	0.375	0.625	0.375	0.437	169	0.25	0.625	0.368	50.6	−22.3	1.4	22.3	176.3
211	G34B_062_037$_d$	0.25	0.625	0.5	0.625	0.375	0.437	191	0.25	0.625	0.506	51.6	−15.9	−9.8	18.7	211.7
212	G50B_062_037$_d$	0.25	0.625	0.625	0.625	0.375	0.437	210	0.25	0.625	0.625	52.3	−10.9	−16.4	19.7	236.1
213	G61B_075_050$_d$	0.25	0.625	0.75	0.75	0.5	0.5	224	0.25	0.633	0.75	54.4	−10.2	−22.0	24.3	245.1
214	G69B_087_062$_d$	0.25	0.625	0.875	0.875	0.625	0.562	233	0.25	0.635	0.875	55.7	−8.3	−27.8	29.0	253.2
215	G75B_100_075$_d$	0.25	0.625	1.0	1.0	0.75	0.625	240	0.25	0.625	1.0	55.9	−4.5	−33.7	34.0	262.3
216	Y68G_075_075$_d$	0.25	0.75	0.0	0.75	0.75	0.375	131	0.237	0.75	0.0	53.2	−31.7	40.2	51.2	128.2
217	Y81G_075_062$_d$	0.25	0.75	0.125	0.75	0.625	0.437	139	0.239	0.75	0.125	53.2	−32.3	27.0	42.1	140.1
218	G00B_075_050$_d$	0.25	0.75	0.25	0.75	0.5	0.5	150	0.25	0.75	0.25	54.2	−34.4	14.0	37.1	157.7
219	G11B_075_050$_d$	0.25	0.75	0.375	0.75	0.5	0.5	164	0.25	0.75	0.366	54.8	−31.3	5.5	31.8	170.0
220	G25B_075_050$_d$	0.25	0.75	0.5	0.75	0.5	0.5	180	0.25	0.75	0.5	55.7	−25.5	−6.1	26.2	193.5
221	G38B_075_050$_d$	0.25	0.75	0.625	0.75	0.5	0.5	196	0.25	0.75	0.633	56.7	−19.2	−15.8	24.9	219.6
222	G50B_075_050$_d$	0.25	0.75	0.75	0.75	0.5	0.5	210	0.25	0.75	0.75	57.4	−14.6	−21.8	26.3	236.1
223	G59B_087_062$_d$	0.25	0.75	0.875	0.875	0.625	0.562	221	0.25	0.76	0.875	59.6	−14.0	−27.5	30.9	242.9
224	G65B_100_075$_d$	0.25	0.75	1.0	1.0	0.75	0.625	229	0.25	0.762	1.0	61.1	−12.4	−33.2	35.5	249.4
225	Y73G_087_087$_d$	0.25	0.875	0.0	0.875	0.875	0.437	134	0.233	0.875	0.0	56.4	−40.6	43.1	59.3	133.2
226	Y85G_087_075$_d$	0.25	0.875	0.125	0.875	0.75	0.5	141	0.237	0.875	0.125	57.7	−40.2	30.6	50.5	142.7
227	G00B_087_062$_d$	0.25	0.875	0.25	0.875	0.625	0.562	150	0.25	0.875	0.25	58.5	−43.0	17.5	46.4	157.7
228	G09B_087_062$_d$	0.25	0.875	0.375	0.875	0.625	0.562	161	0.25	0.875	0.364	59.1	−40.3	9.2	41.3	167.1
229	G19B_087_062$_d$	0.25	0.875	0.5	0.875	0.625	0.562	173	0.25	0.875	0.489	59.9	−35.4	−1.1	35.4	181.9
230	G30B_087_062$_d$	0.25	0.875	0.625	0.875	0.625	0.562	187	0.25	0.875	0.635	60.9	−28.4	−13.3	31.4	205.1
231	G40B_087_062$_d$	0.25	0.875	0.75	0.875	0.625	0.562	199	0.25	0.875	0.76	61.8	−22.9	−21.4	31.4	223.1
232	G50B_087_062$_d$	0.25	0.875	0.875	0.875	0.625	0.562	210	0.25	0.875	0.875	62.5	−18.3	−27.3	32.9	236.1
233	G57B_100_075$_d$	0.25	0.875	1.0	1.0	0.75	0.625	219	0.25	0.887	1.0	64.7	−17.9	−33.0	37.5	241.4
234	Y76G_100_100$_d$	0.25	1.0	0.0	1.0	1.0	0.5	136	0.233	1.0	0.0	60.4	−48.8	46.7	67.6	136.2
235	Y86G_100_087$_d$	0.25	1.0	0.125	1.0	0.875	0.562	142	0.241	1.0	0.125	62.3	−47.7	34.6	58.9	144.0
236	G00B_100_075$_d$	0.25	1.0	0.25	1.0	0.75	0.625	150	0.25	1.0	0.25	62.8	−51.6	21.0	55.7	157.7
237	G07B_100_075$_d$	0.25	1.0	0.375	1.0	0.75	0.625	159	0.25	1.0	0.362	63.4	−49.2	13.0	50.9	165.1
238	G15B_100_075$_d$	0.25	1.0	0.5	1.0	0.75	0.625	169	0.25	1.0	0.487	64.1	−44.6	2.8	44.7	176.3
239	G25B_100_075$_d$	0.25	1.0	0.625	1.0	0.75	0.625	180	0.25	1.0	0.625	65.0	−38.3	−9.2	39.4	193.5
240	G34B_100_075$_d$	0.25	1.0	0.75	1.0	0.75	0.625	191	0.25	1.0	0.762	66.0	−31.8	−19.7	37.4	211.7
241	G42B_100_075$_d$	0.25	1.0	0.875	1.0	0.75	0.625	201	0.25	1.0	0.887	66.9	−26.5	−27.0	37.8	225.5
242	G50B_100_075$_d$	0.25	1.0	1.0	1.0	0.75	0.625	210	0.25	1.0	1.0	67.6	−21.9	−32.8	39.4	236.1

n	rgb*'$_{Fd}$			LabCh*'$_{Fd}$					DE*'$_{Fd}$	$h_{siM,d}$	rgb*$_{Md}$			LabCh*$_{Md}$				
162	0.25	0.0	0.0	27.4	14.4	14.1	20.2	44.2	4.7	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
163	0.25	0.0	0.125	27.6	17.1	3.2	17.4	10.9	2.4	360	1.0	0.0	0.5	47.7	67.7	14.0	69.1	11.6
164	0.25	0.0	0.25	28.1	20.0	−4.9	20.6	346.0	4.3	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
165	0.25	0.0	0.375	30.1	25.7	−10.1	27.6	338.4	5.1	311	0.683	0.0	1.0	41.9	62.2	−18.8	65.0	343.1
166	0.25	0.0	0.5	29.6	29.4	−16.7	33.9	330.3	4.8	300	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9
167	0.25	0.0	0.625	30.1	32.3	−23.1	39.7	324.4	4.9	292	0.383	0.0	1.0	34.0	48.0	−30.9	57.1	327.2
168	0.25	0.0	0.75	30.6	34.2	−29.0	44.9	319.7	3.8	288	0.316	0.0	1.0	32.7	42.4	−35.3	55.3	320.2
169	0.25	0.0	0.875	31.4	36.1	−34.7	50.1	316.1	3.5	284	0.266	0.0	1.0	31.8	37.8	−38.3	53.8	314.6
170	0.25	0.0	1.0	31.5	36.2	−39.2	53.4	312.7	0.8	282	0.233	0.0	1.0	31.2	35.6	−39.6	53.3	311.9
171	0.25	0.125	0.0	35.0	2.2	20.1	20.2	83.7	6.8	59	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
172	0.25	0.125	0.125	34.1	6.3	8.7	10.7	53.9	4.9	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
173	0.25	0.125	0.25	34.6	9.7	−3.3	10.3	341.2	4.0	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
174	0.25	0.125	0.375	37.4	13.3	−9.0	16.1	325.8	5.5	300	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9
175	0.25	0.125	0.5	36.0	16.9	−15.5	23.0	317.4	3.8	288	0.316	0.0	1.0	32.7	42.4	−35.3	55.3	320.2
176	0.25	0.125	0.625	36.7	19.9	−21.4	29.2	313.0	3.6	282	0.233	0.0	1.0	31.2	35.6	−39.6	53.3	311.9
177	0.25	0.125	0.75	36.1	23.1	−27.1	35.7	310.4	2.5	279	0.183	0.0	1.0	30.3	33.9	−41.0	53.2	309.5
178	0.25	0.125	0.875	36.5	26.2	−33.4	42.5	308.1	2.6	278	0.15	0.0	1.0	29.7	32.7	−41.9	53.2	307.9
179	0.25	0.125	1.0	35.8	28.1	−38.5	47.7	306.1	2.3	277	0.133	0.0	1.0	29.4	32.1	−42.3	53.1	307.1
180	0.25	0.25	0.0	39.7	−6.0	24.4	25.1	103.8	5.3	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
181	0.25	0.25	0.125	40.6	−3.9	12.7	13.3	107.2	5.1	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
182	0.25	0.25	0.25	42.2	−0.5	−0.7	0.9	235.1	5.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
183	0.25	0.25	0.375	43.4	2.9	−7.7	8.3	291.0	5.6	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
184	0.25	0.25	0.5	42.9	6.3	−13.9	15.3	294.3	4.4	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
185	0.25	0.25	0.625	43.4	9.9	−19.3	21.7	297.1	3.9	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
186	0.25	0.25	0.75	42.5	13.8	−25.3	28.9	298.6	3.1	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
187	0.25	0.25	0.875	41.9	17.3	−31.7	36.2	298.7	3.4	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
188	0.25	0.25	1.0	41.0	19.6	−36.5	41.4	298.1	2.8	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
189	0.25	0.375	0.0	46.0	−12.2	31.8	34.0	111.0	6.5	108	0.683	1.0	0.0	79.8	−22.8	79.5	82.7	106.0
190	0.25	0.375	0.125	46.4	−10.8	18.5	21.5	120.3	6.3	119	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3
191	0.25	0.375	0.25	47.1	−8.2	5.0	9.6	148.4	5.9	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
192	0.25	0.375	0.375	48.9	−4.6	−6.4	7.9	234.4	6.8	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
193	0.25	0.375	0.5	49.0	−2.0	−12.5	12.7	260.8	5.7	240	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3
194	0.25	0.375	0.625	48.8	1.3	−18.3	18.4	274.2	5.1	251	0.0	0.316	1.0	35.7	5.1	−45.8	46.1	276.3
195	0.25	0.375	0.75	47.9	5.5	−24.3	24.9	282.8	3.4	257	0.0	0.233	1.0	32.7	10.5	−46.2	47.4	282.8
196	0.25	0.375	0.875	47.6	8.6	−30.2	31.4	285.9	2.5	260	0.0	0.183	1.0	30.8	13.6	−46.7	48.6	286.2
197	0.25	0.375	1.0	45.1	12.4	−35.9	38.0	289.1	1.3	262	0.0	0.15	1.0	29.5	15.8	−46.9	49.4	288.6
198	0.25	0.5	0.0	49.3	−19.6	36.6	41.5	118.1	6.7	119	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3
199	0.25	0.5	0.125	49.2	−18.5	23.1	29.6	128.7	5.7	131	0.316	1.0	0.0	65.1	−42.3	53.6	68.2	128.2
200	0.25	0.5	0.25	50.7	−15.5	10.3	18.6	146.4	6.1	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
201	0.25	0.5	0.375	52.2	−11.8	−1.8	12.0	188.6	6.0	180	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5
202	0.25	0.5	0.5	53.2	−8.3	−11.6	14.3	234.5	6.1	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
203	0.25	0.5	0.625	54.4	−6.0	−17.1	18.2	250.5	5.3	228	0.0	0.683	1.0	49.6	−16.6	−44.3	47.4	249.4
204	0.25	0.5	0.75	53.6	−2.7	−23.0	23.2	263.1	4.0	240	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3
205	0.25	0.5	0.875	52.8	0.9	−29.3	29.3	271.7	2.9	247	0.0	0.383	1.0	38.2	0.8	−45.4	45.4	271.0
206	0.25	0.5	1.0	50.2	5.3	−34.6	35.0	278.7	1.5	251	0.0	0.316	1.0	35.7	5.1	−45.8	46.1	276.3
207	0.25	0.625	0.0	53.0	−26.9	40.4	48.5	123.6	6.3	127	0.383	1.0	0.0	69.1	−36.5	58.6	69.1	121.9
208	0.25	0.625	0.125	53.0	−25.5	28.1	37.9	132.1	6.4	137	0.233	1.0	0.0	60.4	−48.8	46.7	67.6	136.2
209	0.25	0.625	0.25	54.5	−22.5	15.2	27.2	145.9	7.3	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
210	0.25	0.625	0.375	56.0	−19.1	3.7	19.4	168.7	6.7	168	0.0	1.0	0.316	53.7	−59.5	3.7	59.6	176.3
211	0.25	0.625	0.5	57.0	−15.1	−8.1	17.1	208.2	5.7	191	0.0	1.0	0.683	56.2	−42.4	−26.3	49.9	211.7
212	0.25	0.625	0.625	57.9	−11.4	−16.5	20.1	235.2	5.6	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
213	0.25	0.625	0.75	58.5	−9.6	−22.1	24.1	246.5	4.1	222	0.0	0.766	1.0	52.2	−20.4	−44.1	48.6	245.1
214	0.25	0.625	0.875	58.5	−6.3	−27.9	28.6	257.1	3.4	232	0.0	0.616	1.0	47.4	−13.4	−44.5	46.4	253.2
215	0.25	0.625	1.0	55.9	−3.4	−33.7	33.9	264.1	1.0	240	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3
216	0.25	0.75	0.0	55.8	−33.9	43.1	54.9	128.1	4.5	131	0.316	1.0	0.0	65.1	−42.3	53.6	68.2	128.2
217	0.25	0.75	0.125	56.3	−32.3	31.6	45.2	135.5	5.5	140	0.183	1.0	0.0	59.0	−51.8	43.2	67.4	140.1
218	0.25	0.75	0.25	57.4	−29.4	20.1	35.6	145.6	8.4	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
219	0.25	0.75	0.375	58.8	−26.2	8.7	27.7	161.5	7.1	162	0.0	1.0	0.233	53.2	−62.6	11.0	63.6	170.0
220	0.25	0.75	0.5	59.7	−22.4	−3.3	22.6	188.5	5.8	180	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5
221	0.25	0.75	0.625	60.8	−18.2	−13.3	22.6	216.0	4.9	197	0.0	1.0	0.766	56.8	−38.4	−31.7	49.8	219.6
222	0.25	0.75	0.75	61.9	−14.4	−21.4	25.8	236.0	4.4	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
223	0.25	0.75	0.875	63.0	−13.2	−27.5	30.5	244.3	3.5	219	0.0	0.816	1.0	53.6	−22.5	−44.1	49.5	242.9
224	0.25	0.75	1.0	60.7	−9.6	−32.8	34.2	253.6	2.9	228	0.0	0.683	1.0	49.6	−16.6	−44.3	47.4	249.4
225	0.25	0.875	0.0	59.0	−41.7	45.6	61.8	132.4	3.7	135	0.266	1.0	0.0	61.9	−46.5	49.3	67.8	133.2
226	0.25	0.875	0.125	59.7	−39.8	35.0	53.0	138.6	4.8	142	0.15	1.0	0.0	58.1	−53.6	40.8	67.4	142.7
227	0.25	0.875	0.25	61.2	−36.6	24.8	44.2	145.8	10.0	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
228	0.25	0.875	0.375	62.2	−33.7	13.3	36.3	158.3	8.3	159	0.0	1.0	0.183	52.9	−64.5	14.7	66.1	167.1
229	0.25	0.875	0.5	63.3	−29.9	1.3	30.0	177.4	6.9	172	0.0	1.0	0.383	54.1	−56.6	−1.8	56.6	181.9
230	0.25	0.875	0.625	64.1	−25.6	−10.2	27.6	201.8	5.3	187	0.0	1.0	0.616	55.7	−45.5	−21.3	50.3	205.1
231	0.25	0.875	0.75	65.2	−21.6	−19.1	28.8	221.5	4.3	200	0.0	1.0	0.816	57.1	−36.6	−34.3	50.2	223.1
232	0.25	0.875	0.875	66.0	−17.8	−26.8	32.2	236.4	3.6	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
233	0.25	0.875	1.0	65.2	−15.9	−32.2	36.0	243.6	2.1	217	0.0	0.85	1.0	54.5	−23.9	−44.0	50.1	241.4
234	0.25	1.0	0.0	60.8	−47.8	47.8	67.6	134.9	1.5	137	0.233	1.0	0.0	60.4	−48.8	46.7	67.6	136.2
235	0.25	1.0	0.125	61.9	−45.5	38.0	59.3	140.0	4.1	142	0.133	1.0	0.0	57.6	−54.5	39.5	67.3	144.0
236	0.25	1.0	0.25	62.9	−43.1	27.5	51.2	147.4	10.6	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
237	0.25	1.0	0.375	63.8	−40.3	17.6	44.0	156.3	10.0	157	0.0	1.0	0.15	52.7	−65.6	17.3	67.9	165.1
238	0.25	1.0	0.5	64.5	−37.2	6.3	37.7	170.3	8.2	168	0.0	1.0	0.316	53.7	−59.5	3.7	59.6	176.3
239	0.25	1.0	0.625	65.9	−32.6	−5.2	33.1	189.1	6.9	180	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5
240	0.25	1.0	0.75	67.0	−28.1	−15.8	32.3	209.4	5.4	191	0.0	1.0	0.683	56.2	−42.4	−26.3	49.9	211.7
241	0.25	1.0	0.875	67.6	−24.4	−24.2	34.4	224.8	3.5	202	0.0	1.0	0.85	57.4	−35.3	−36.0	50.4	225.5
242	0.25	1.0	1.0	68.5	−20.3	−31.3	37.3	236.9	2.3	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1

Mean color difference of this page: **delta $E^{*\prime}$ = *4.8***

1−0032130−F0

QE640−7N, Page 22/33−F

TUB-test chart QE64; hue code: H^*_d=Y75G$_d$

colors and differences, $\Delta E^{*\prime}$

input: *rgb/cmyk* −> *rgb*$_d$

output: transfer to *cmyk*$_d$

see similar files: http://130.149.60.45/~farbmetrik/QE64/QE64.HTM

technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

http://130.149.60.45/~farbmetrik/QE64/QE64L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 23/33

n	HIC^*_{Fd}	rgb_{Fd}			ict_{Fd}			$h_{si\_F,d}$	rgb^*_{Fd}			$LabCh^*_{Fd}$					$rgb^{*\prime}_{Fd}$			$LabCh^{*\prime}_{Fd}$					$DE^{*\prime}_{Fd}$	$h_{siM,d}$	rgb^*_{Md}			$LabCh^*_{Md}$				
243	R00Y_037_037d	0.375	0.0	0.0	0.375	0.375	0.187	390	0.375	0.0	0.0	28.8	23.9	15.4	28.5	32.8	0.375	0.0	0.0	30.3	25.2	19.8	32.0	38.1	4.7	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
244	R18Y_037_037d	0.375	0.0	0.125	0.375	0.375	0.187	371	0.375	0.0	0.118	28.9	24.6	9.4	26.4	20.9	0.375	0.0	0.125	31.0	26.7	10.6	28.7	21.7	3.1	371	1.0	0.0	0.316	47.7	65.7	25.1	70.4	20.9
245	B65R_037_037d	0.375	0.0	0.25	0.375	0.375	0.187	349	0.375	0.0	0.256	29.1	26.1	1.5	26.1	3.2	0.375	0.0	0.25	31.0	29.6	0.6	29.6	1.1	4.0	348	1.0	0.0	0.683	48.1	69.7	4.0	69.8	3.2
246	B50R_037_037d	0.375	0.0	0.375	0.375	0.375	0.187	330	0.375	0.0	0.375	29.1	27.3	−3.2	27.5	353.3	0.375	0.0	0.375	31.3	31.6	−6.1	32.2	348.9	5.6	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
247	B38R_050_050d	0.375	0.0	0.5	0.5	0.5	0.25	316	0.383	0.0	0.5	30.6	33.2	−7.2	34.0	347.6	0.375	0.0	0.5	31.9	37.4	−10.7	38.9	343.9	5.6	317	0.766	0.0	1.0	43.5	66.4	−14.5	68.0	347.6
248	B30R_062_062d	0.375	0.0	0.625	0.625	0.625	0.312	307	0.385	0.0	0.625	32.1	36.5	−13.8	39.1	339.2	0.375	0.0	0.625	33.4	41.7	−15.9	44.6	339.1	5.7	307	0.616	0.0	1.0	40.7	58.5	−22.1	62.5	339.2
249	B25R_075_075d	0.375	0.0	0.75	0.75	0.75	0.375	300	0.375	0.0	0.75	32.8	40.3	−19.7	44.9	333.9	0.375	0.0	0.75	33.3	44.0	−22.0	49.2	333.4	4.3	300	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9
250	B20R_087_087d	0.375	0.0	0.875	0.875	0.875	0.437	295	0.364	0.0	0.875	32.9	43.5	−26.0	50.7	329.1	0.375	0.0	0.875	33.7	46.7	−27.5	54.2	329.5	3.5	294	0.416	0.0	1.0	35.1	49.7	−29.7	57.9	329.1
251	B18R_100_100d	0.375	0.0	1.0	1.0	1.0	0.5	292	0.366	0.0	1.0	33.6	46.9	−31.8	56.7	325.8	0.375	0.0	1.0	33.8	47.6	−31.2	56.9	326.7	0.9	291	0.366	0.0	1.0	33.6	46.9	−31.8	56.7	325.8
252	R31Y_037_037d	0.375	0.125	0.0	0.375	0.375	0.187	49	0.375	0.118	0.0	33.1	14.4	21.4	25.8	55.9	0.375	0.125	0.0	37.3	11.8	25.7	28.3	65.2	6.5	48	1.0	0.316	0.0	58.9	38.6	57.1	69.0	55.9
253	R00Y_037_025d	0.375	0.125	0.125	0.375	0.25	0.25	390	0.375	0.124	0.124	34.8	15.9	10.3	19.0	32.8	0.375	0.125	0.125	37.4	14.4	14.9	20.7	46.0	5.5	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
254	R00Y_037_025d	0.375	0.125	0.25	0.375	0.25	0.25	360	0.375	0.124	0.25	34.9	16.9	3.5	17.2	11.6	0.375	0.125	0.25	37.9	17.0	3.4	17.3	11.5	3.0	360	1.0	0.0	0.5	47.7	67.7	14.0	69.1	11.6
255	B50R_037_025d	0.375	0.125	0.375	0.375	0.25	0.25	330	0.375	0.124	0.375	35.0	18.2	−2.1	18.3	353.3	0.375	0.125	0.375	38.8	19.4	−5.1	20.1	345.2	4.9	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
256	B34R_050_037d	0.375	0.125	0.5	0.5	0.375	0.312	311	0.381	0.124	0.5	36.5	23.3	−7.0	24.3	343.1	0.375	0.125	0.5	38.9	25.0	−9.8	26.9	338.4	4.0	311	0.683	0.0	1.0	41.9	62.2	−18.8	65.0	343.1
257	B25R_062_050d	0.375	0.125	0.625	0.625	0.5	0.375	300	0.375	0.125	0.625	37.5	26.9	−13.1	29.9	333.9	0.375	0.125	0.625	39.7	28.4	−15.0	32.1	332.0	3.2	300	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9
258	B19R_075_062d	0.375	0.125	0.75	0.75	0.625	0.437	293	0.364	0.125	0.75	37.6	30.0	−19.3	35.7	327.2	0.375	0.125	0.75	39.3	32.4	−21.0	38.7	327.0	3.4	292	0.383	0.0	1.0	34.0	48.0	−30.9	57.1	327.2
259	B15R_087_075d	0.375	0.125	0.875	0.875	0.75	0.5	289	0.362	0.125	0.875	38.7	31.8	−26.5	41.4	320.2	0.375	0.125	0.875	39.2	36.7	−26.3	45.1	324.3	4.8	288	0.316	0.0	1.0	32.7	42.4	−35.3	55.3	320.2
260	B13R_100_087d	0.375	0.125	1.0	1.0	0.875	0.562	286	0.358	0.125	1.0	39.8	33.1	−33.5	47.1	314.6	0.375	0.125	1.0	38.5	38.5	−30.9	49.4	321.2	6.2	284	0.266	0.0	1.0	31.8	37.8	−38.3	53.8	314.6
261	R68Y_037_037d	0.375	0.25	0.0	0.375	0.375	0.187	71	0.375	0.256	0.0	39.6	2.6	29.8	29.9	84.9	0.375	0.25	0.0	45.8	0.0	33.2	33.2	90.1	7.5	71	1.0	0.683	0.0	76.2	7.0	79.5	79.8	84.9
262	R50Y_037_025d	0.375	0.25	0.125	0.375	0.25	0.25	60	0.375	0.25	0.124	39.8	5.6	16.9	17.8	71.4	0.375	0.25	0.125	46.1	2.9	20.2	20.4	81.6	7.6	59	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
263	R00Y_037_012d	0.375	0.25	0.25	0.375	0.125	0.312	390	0.375	0.249	0.249	40.8	7.9	5.1	9.5	32.8	0.375	0.25	0.25	46.9	5.9	7.8	9.8	52.4	6.9	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
264	B50R_037_012d	0.375	0.25	0.375	0.375	0.125	0.312	330	0.375	0.249	0.375	40.9	9.1	−1.0	9.1	353.3	0.375	0.25	0.375	47.6	9.0	−3.1	9.5	340.5	6.9	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
265	B25R_050_025d	0.375	0.25	0.5	0.5	0.25	0.375	300	0.375	0.249	0.5	42.1	13.4	−6.5	14.9	333.9	0.375	0.25	0.5	47.5	13.3	−8.5	15.8	327.2	5.7	300	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9
266	B15R_062_037d	0.375	0.25	0.625	0.625	0.375	0.437	289	0.368	0.25	0.625	42.7	15.9	−13.2	20.7	320.2	0.375	0.25	0.625	47.5	17.0	−14.2	22.2	320.1	4.9	288	0.316	0.0	1.0	32.7	42.4	−35.3	55.3	320.2
267	B11R_075_050d	0.375	0.25	0.75	0.75	0.5	0.5	284	0.366	0.25	0.75	43.9	17.8	−19.8	26.6	311.9	0.375	0.25	0.75	46.6	21.4	−19.6	29.1	317.5	4.5	282	0.233	0.0	1.0	31.2	35.6	−39.6	53.3	311.9
268	B09R_087_062d	0.375	0.25	0.875	0.875	0.625	0.562	281	0.364	0.25	0.875	45.0	21.2	−25.6	33.2	309.5	0.375	0.25	0.875	46.4	26.1	−24.8	36.0	316.4	5.1	279	0.183	0.0	1.0	30.3	33.9	−41.0	53.2	309.5
269	B07R_100_075d	0.375	0.25	1.0	1.0	0.75	0.625	279	0.362	0.25	1.0	46.2	24.5	−31.4	39.9	307.9	0.375	0.25	1.0	44.9	28.5	−29.3	40.9	314.1	4.6	278	0.15	0.0	1.0	29.7	32.7	−41.9	53.2	307.9
270	Y00G_037_037d	0.375	0.375	0.0	0.375	0.375	0.187	90	0.375	0.375	0.0	44.2	−4.4	35.6	35.9	97.1	0.375	0.375	0.0	51.2	−7.8	37.9	38.7	101.6	8.1	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
271	Y00G_037_025d	0.375	0.375	0.125	0.375	0.25	0.25	90	0.375	0.375	0.124	45.0	−2.9	23.7	23.9	97.1	0.375	0.375	0.125	52.2	−6.1	24.5	25.2	104.0	7.8	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
272	Y00G_037_012d	0.375	0.375	0.25	0.375	0.125	0.312	90	0.375	0.375	0.249	45.9	−1.4	11.8	11.9	97.1	0.375	0.375	0.25	53.2	−3.5	11.1	11.7	107.7	7.5	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
273	NW_037d	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	46.8	0.0	0.0	0.0	0.0	0.375	0.375	0.375	55.0	−0.4	−0.6	0.7	234.3	8.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
274	B00R_050_012d	0.375	0.375	0.5	0.5	0.125	0.437	270	0.375	0.375	0.5	47.8	2.9	−5.9	6.6	296.4	0.375	0.375	0.5	54.3	3.8	−6.8	7.8	299.3	6.6	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
275	B00R_062_025d	0.375	0.375	0.625	0.625	0.25	0.5	270	0.375	0.375	0.625	48.7	5.8	−11.8	13.2	296.4	0.375	0.375	0.625	54.1	7.4	−12.4	14.5	300.9	5.6	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
276	B00R_075_037d	0.375	0.375	0.75	0.75	0.375	0.562	270	0.375	0.375	0.75	49.7	8.8	−17.7	19.8	296.4	0.375	0.375	0.75	53.0	12.0	−18.0	21.6	303.6	4.6	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
277	B00R_087_050d	0.375	0.375	0.875	0.875	0.5	0.625	270	0.375	0.375	0.875	50.6	11.7	−23.6	26.4	296.4	0.375	0.375	0.875	52.8	16.1	−23.1	28.2	305.0	4.9	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
278	B00R_100_062d	0.375	0.375	1.0	1.0	0.625	0.687	270	0.375	0.375	1.0	51.6	14.6	−29.5	33.0	296.4	0.375	0.375	1.0	50.6	20.1	−27.9	34.4	305.8	5.8	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
279	Y23G_050_050d	0.375	0.5	0.0	0.5	0.5	0.25	104	0.383	0.5	0.0	50.5	−9.6	41.8	42.9	102.9	0.375	0.5	0.0	56.3	−13.1	45.9	47.8	106.0	7.9	102	0.766	1.0	0.0	83.3	−19.2	83.7	85.9	102.9
280	Y31G_050_037d	0.375	0.5	0.125	0.5	0.375	0.312	109	0.381	0.5	0.124	50.7	−8.5	29.8	31.0	106.0	0.375	0.5	0.125	56.6	−11.8	31.7	33.8	110.4	7.0	108	0.683	1.0	0.0	79.8	−22.8	79.5	82.7	106.0
281	Y50G_050_025d	0.375	0.5	0.25	0.5	0.25	0.375	120	0.375	0.5	0.249	50.9	−7.8	16.5	18.2	115.3	0.375	0.5	0.25	57.5	−9.7	17.0	19.6	119.8	6.9	119	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3
282	G00B_050_012d	0.375	0.5	0.375	0.5	0.125	0.437	150	0.375	0.5	0.375	51.1	−8.6	3.5	9.2	157.7	0.375	0.5	0.375	58.7	−6.9	4.9	8.5	144.3	7.9	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
283	G50B_050_012d	0.375	0.5	0.5	0.5	0.125	0.437	210	0.375	0.5	0.5	51.9	−3.6	−5.4	6.5	236.1	0.375	0.5	0.5	59.5	−3.8	−5.3	6.5	234.2	7.5	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
284	G75B_062_025d	0.375	0.5	0.625	0.625	0.25	0.5	240	0.375	0.5	0.625	53.1	−1.5	−11.2	11.3	262.3	0.375	0.5	0.625	60.2	−0.6	−11.1	11.1	266.4	7.1	240	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3
285	G84B_075_037d	0.375	0.5	0.75	0.75	0.375	0.562	251	0.375	0.493	0.75	53.6	1.9	−17.2	17.3	276.3	0.375	0.5	0.75	59.2	3.4	−16.6	17.0	281.6	5.8	251	0.0	0.316	1.0	35.7	5.1	−45.8	46.1	276.3
286	G88B_087_050d	0.375	0.5	0.875	0.875	0.5	0.625	256	0.375	0.491	0.875	54.3	5.2	−23.1	23.7	282.8	0.375	0.5	0.875	59.3	7.4	−21.7	23.0	288.9	5.5	257	0.0	0.233	1.0	32.7	10.5	−46.2	47.4	282.8
287	G90B_100_062d	0.375	0.5	1.0	1.0	0.625	0.687	259	0.375	0.489	1.0	55.0	8.5	−29.1	30.4	286.2	0.375	0.5	1.0	55.9	13.0	−26.9	29.9	295.8	5.1	260	0.0	0.183	1.0	30.8	13.6	−46.7	48.6	286.2
288	Y38G_062_062d	0.375	0.625	0.0	0.625	0.625	0.312	113	0.385	0.625	0.0	54.6	−16.0	47.3	49.9	108.7	0.375	0.625	0.0	60.4	−18.5	50.6	53.8	110.0	7.0	112	0.616	1.0	0.0	76.8	−25.7	75.6	79.9	108.7
289	Y50G_062_050d	0.375	0.625	0.125	0.625	0.5	0.375	120	0.375	0.625	0.125	54.9	−15.6	33.0	36.5	115.3	0.375	0.625	0.125	60.6	−17.7	36.4	40.5	115.9	6.9	119	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3
290	Y68G_062_037d	0.375	0.625	0.25	0.625	0.375	0.437	131	0.368	0.625	0.25	54.9	−15.8	20.1	25.6	128.2	0.375	0.625	0.25	60.9	−16.0	21.8	27.0	126.2	6.2	131	0.316	1.0	0.0	65.1	−42.3	53.6	68.2	128.2
291	G00B_062_025d	0.375	0.625	0.375	0.625	0.25	0.5	150	0.375	0.625	0.375	55.4	−17.2	7.0	18.5	157.7	0.375	0.625	0.375	62.5	−13.0	10.0	16.4	142.5	8.7	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
292	G25B_062_025d	0.375	0.625	0.5	0.625	0.25	0.5	180	0.375	0.625	0.5	56.1	−12.7	−3.0	13.1	193.5	0.375	0.625	0.5	63.7	−10.0	−0.6	10.0	183.8	8.3	180	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5
293	G50B_062_025d	0.375	0.625	0.625	0.625	0.25	0.5	210	0.375	0.625	0.625	57.0	−7.3	−10.9	13.1	236.1	0.375	0.625	0.625	64.4	−6.8	−9.7	11.9	235.0	7.5	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
294	G65B_075_037d	0.375	0.625	0.75	0.75	0.375	0.562	229	0.375	0.631	0.75	58.8	−6.2	−16.6	17.7	249.4	0.375	0.625	0.75	65.1	−4.4	−15.3	15.9	253.7	6.6	228	0.0	0.683	1.0	49.6	−16.6	−44.3	47.4	249.4
295	G75B_087_050d	0.375	0.625	0.875	0.875	0.5	0.625	240	0.375	0.625	0.875	59.4	−3.0	−22.5	22.7	262.3	0.375	0.625	0.875	64.5	0.0	−20.6	20.6	270.0	6.2	240	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3
296	G80B_100_062d	0.375	0.625	1.0	1.0	0.625	0.687	247	0.375	0.614	1.0	59.7	0.5	−28.4	28.4	271.0	0.375	0.625	1.0	62.2	3.9	−25.6	25.9	278.6	5.0	247	0.0	0.383	1.0	38.2	0.8	−45.4	45.4	271.0
297	Y50G_075_075d	0.375	0.75	0.0	0.75	0.75	0.375	120	0.375	0.75	0.0	59.0	−23.5	49.5	54.8	115.3	0.375	0.75	0.0	63.2	−24.9	53.5	59.0	115.0	6.0	119	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3
298	Y61G_075_062d	0.375	0.75	0.125	0.75	0.625	0.437	127	0.364	0.75	0.125	59.5	−22.8	36.6	43.2	121.9	0.375	0.75	0.125	63.3	−24.2	39.4	46.3	121.6	4.8	127	0.383	1.0	0.0	69.1	−36.5	58.6	69.1	121.9
299	Y76G_075_050d	0.375	0.75	0.25	0.75	0.5	0.5	136	0.366	0.75	0.25	58.5	−24.4	23.3	33.8	136.2	0.375	0.75	0.25	64.3	−22.1	26.6	34.6	129.7	7.0	137	0.233	1.0	0.0	60.4	−48.8	46.7	67.6	136.2
300	G00B_075_037d	0.375	0.75	0.375	0.75	0.375	0.562	150	0.375	0.75	0.375	59.7	−25.8	10.5	27.8	157.7	0.375	0.75	0.375	65.4	−19.1	14.2	23.8	143.4	9.5	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
301	G15B_075_037d	0.375	0.75	0.5	0.75	0.375	0.562	169	0.375	0.75	0.493	60.3	−22.3	1.4	22.3	176.3	0.375	0.75	0.5	66.4	−16.3	3.8	16.8	166.6	8.8	168	0.0	1.0	0.316	53.7	−59.5	3.7	59.6	176.3
302	G34B_075_037d	0.375	0.75	0.625	0.75	0.375	0.562	191	0.375	0.75	0.631	61.3	−15.9	−9.8	18.7	211.7	0.375	0.75	0.625	67.6	−12.9	−6.4	14.4	206.5	7.7	191	0.0	1.0	0.683	56.2	−42.4	−26.3	49.9	211.7
303	G50B_075_037d	0.375	0.75	0.75	0.75	0.375	0.562	210	0.375	0.75	0.75	62.1	−10.9	−16.4	19.7	236.1	0.375	0.75	0.75	68.5	−9.7	−14.3	17.3	235.6	6.9	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
304	G61B_087_050d	0.375	0.75	0.875	0.875	0.5	0.625	224	0.375	0.758	0.875	64.1	−10.2	−22.0	24.3	245.1	0.375	0.75	0.875	69.8	−7.4	−19.6	20.9	249.2	6.7	222	0.0	0.766	1.0	52.2	−20.4	−44.1	48.6	245.1
305	G69B_100_062d	0.375	0.75	1.0	1.0	0.625	0.687	233	0.375	0.76	1.0	65.4	−8.3	−27.8	29.0	253.2	0.375	0.75	1.0	67.3	−3.3	−24.7	24.9	262.3	6.2	232	0.0	0.616	1.0	47.4	−13.4	−44.5	46.4	253.2
306	Y58G_087_087d	0.375	0.875	0.0	0.875	0.875	0.437	125	0.364	0.875	0.0	63.6	−30.8	53.2	61.4	120.0	0.375	0.875	0.0	66.2	−31.9	56.0	64.5	119.6	4.0	125	0.416	1.0	0.0	70.2	−35.2	60.8	70.2	120.0
307	Y68G_087_075d	0.375	0.875	0.125	0.875	0.75	0.5	131	0.362	0.875	0.125	63.0	−31.7	40.2	51.2	128.2	0.375	0.875	0.125	67.1	−30.2	43.1	52.7	125.0	5.3	131	0.316	1.0	0.0	65.1	−42.3	53.6	68.2	128.2
308	Y81G_087_062d	0.375	0.875	0.25	0.875	0.625	0.562	139	0.364	0.875	0.25	62.9	−32.3	27.0	42.1	140.1	0.375	0.875	0.25	68.0	−28.2	31.4	42.2	131.9	7.9	140	0.183	1.0	0.0	59.0	−51.8	43.2	67.4	140.1
309	G00B_087_050d	0.375	0.875	0.375	0.875	0.5	0.625	150	0.375	0.875	0.375	63.9	−34.4	14.0	37.1	157.7	0.375	0.875	0.375	69.3	−25.1	19.2	31.6	142.6	11.8	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
310	G11B_087_050d	0.375	0.875	0.5	0.875	0.5	0.625	164	0.375	0.875	0.491	64.6	−31.3	5.5	31.8	170.0	0.375	0.875	0.5	70.1	−22.6	8.2	24.1	159.8	10.6	162	0.0	1.0	0.233	53.2	−62.6	11.0	63.6	170.0
311	G25B_087_050d	0.375	0.875	0.625	0.875	0.5	0.625	180	0.375	0.875	0.625	65.4	−25.5	−6.1	26.2	193.5	0.375	0.875	0.625	71.3	−19.2	−2.1	19.4	186.2	9.4	180	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5
312	G38B_087_050d	0.375	0.875	0.75	0.875	0.5	0.625	196	0.375	0.875	0.758	66.4	−19.2	−15.8	24.9	219.6	0.375	0.875	0.75	72.4	−15.8	−11.2	19.4	215.4	8.3	197	0.0	1.0	0.766	56.8	−38.4	−31.7	49.8	219.6
313	G50B_087_050d	0.375	0.875	0.875	0.875	0.5	0.625	210	0.375	0.875	0.875	67.1	−14.6	−21.8	26.3	236.1	0.375	0.875	0.875	73.4	−12.5	−18.6	22.4	235.9	7.3	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
314	G59B_100_062d	0.375	0.875	1.0	1.0	0.625	0.687	221	0.375	0.885	1.0	69.3	−14.0	−27.5	30.9	242.9	0.375	0.875	1.0	72.0	−9.9	−23.9	25.9	247.3	6.1	219	0.0	0.816	1.0	53.6	−22.5	−44.1	49.5	242.9
315	Y63G_100_100d	0.375	1.0	0.0	1.0	1.0	0.5	128	0.366	1.0	0.0	68.3	−37.7	57.4	68.7	123.2	0.375	1.0	0.0	68.9	−36.9	58.1	68.8	122.4	1.1	128	0.366	1.0	0.0	68.3	−37.7	57.4	68.7	123.2
316	Y73G_100_087d	0.375	1.0	0.125	1.0	0.875	0.562	134	0.358	1.0	0.125	66.1	−40.6	43.1	59.3	133.2	0.375	1.0	0.125	69.1	−36.1	45.5	58.1	128.3	5.9	135	0.266	1.0	0.0	61.9	−46.5	49.3	67.8	133.2
317	Y85G_100_075d	0.375	1.0	0.25	1.0	0.75	0.625	141	0.362	1.0	0.25	67.4	−40.2	30.6	50.5	142.7	0.375	1.0	0.25	70.0	−33.9	33.9	48.0	134.9	7.5	142	0.15	1.0	0.0	58.1	−53.6	40.8	67.4	142.7
318	G00B_100_062d	0.375	1.0	0.375	1.0	0.625	0.687	150	0.375	1.0	0.375	68.2	−43.0	17.5	46.4	157.7	0.375	1.0	0.375	71.3	−30.9	23.0	38.5	143.2	13.6	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
319	G09B_100_062d	0.375	1.0	0.5	1.0	0.625	0.687	161	0.375	1.0	0.489	68.8	−40.3	9.2	41.3	167.1	0.375	1.0	0.5	72.2	−28.4	12.4	31.0	156.2	12.8	159	0.0	1.0	0.183	52.9	−64.5	14.7	66.1	167.1
320	G19B_100_062d	0.375	1.0	0.625	1.0	0.625	0.687	173	0.375	1.0	0.614	69.6	−35.4	−1.1	35.4	181.9	0.375	1.0	0.625	73.0	−25.2	2.2	25.3	175.0	11.2	172	0.0	1.0	0.383	54.1	−56.6	−1.8	56.6	181.9
321	G30B_100_062d	0.375	1.0	0.75	1.0	0.625	0.687	187	0.375	1.0	0.76	70.6	−28.4	−13.3	31.4	205.1	0.375	1.0	0.75	74.4	−21.4	−8.1	22.9	200.6	9.5	187	0.0	1.0	0.616	55.7	−45.5	−21.3	50.3	205.1
322	G40B_100_062d	0.375	1.0	0.875	1.0	0.625	0.687	199	0.375	1.0	0.885	71.5	−22.9	−21.4	31.4	223.1	0.375	1.0	0.875	75.3	−18.2	−16.2	24.4	221.6	8.0	200	0.0	1.0	0.816	57.1	−36.6	−34.3	50.2	223.1
323	G50B_100_062d	0.375	1.0	1.0	1.0	0.625	0.687	210	0.375	1.0	1.0	72.2	−18.3	−27.3	32.9	236.1	0.375	1.0	1.0	76.0	−15.1	−23.0	27.6	236.7	6.5	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1

Mean color difference of this page: **delta $E^{*\prime}$ = *6.5***

TUB-test chart QE64; hue code: H^*_d=$Y75G_d$
colors and differences, $\Delta E^{*\prime}$

input: *rgb/cmyk* −> rgb_d
output: transfer to $cmyk_d$

TUB registration: 20130201-QE64/QE64L0NP.PDF /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmyn6 (CMYK)

see similar files: http://130.149.60.45/~farbmetrik/QE64/QE64.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

QE6400L

http://130.149.60.45/~farbmetrik/QE64/QE64L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 24/33

TUB registration: 20130201-QE64/QE64L0NP.PDF /.PS
application for measurement of offset print output, separation cmyn6 (CMYK)

TUB material: code=rha4ta

n	HIC^*_{Fd}	$rgb_{\_Fd}$			$ict_{\_Fd}$			$h_{si\_F,d}$	rgb^*_{Fd}			$LabCh^*_{Fd}$					$rgb^{*\prime}_{Fd}$			$LabCh^{*\prime}_{Fd}$					$DE^{*\prime}_{Fd}$	$h_{siM,d}$	rgb^*_{Md}			$LabCh^*_{Md}$				
324	R00Y_050_050$_d$	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.0	32.5	31.9	20.6	38.0	32.8	0.5	0.0	0.0	34.1	34.6	23.9	42.1	34.6	4.5	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
325	R26Y_050_050$_d$	0.5	0.0	0.125	0.5	0.5	0.25	376	0.5	0.0	0.116	32.7	32.5	14.8	35.7	24.5	0.5	0.0	0.125	34.5	35.7	15.9	39.1	24.0	3.8	377	1.0	0.0	0.233	47.6	65.0	29.7	71.5	24.5
326	R00Y_050_050$_d$	0.5	0.0	0.25	0.5	0.5	0.25	360	0.5	0.0	0.25	32.7	33.8	7.0	34.5	11.6	0.5	0.0	0.25	34.6	38.0	6.0	38.5	8.9	4.7	360	1.0	0.0	0.5	47.7	67.7	14.0	69.1	11.6
327	B61R_050_050$_d$	0.5	0.0	0.375	0.5	0.5	0.25	344	0.5	0.0	0.383	32.9	35.3	−0.1	35.3	359.8	0.5	0.0	0.375	34.9	40.2	−2.2	40.3	356.8	5.6	342	1.0	0.0	0.766	48.1	70.6	−0.2	70.6	359.8
328	B50R_050_050$_d$	0.5	0.0	0.5	0.5	0.5	0.25	330	0.5	0.0	0.5	32.9	36.4	−4.2	36.6	353.3	0.5	0.0	0.5	35.0	42.0	−7.8	42.7	349.4	6.9	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
329	B40R_062_062$_d$	0.5	0.0	0.625	0.625	0.625	0.312	319	0.51	0.0	0.625	34.5	42.4	−8.3	43.2	348.8	0.5	0.0	0.625	36.5	46.7	−12.2	48.3	345.3	6.1	320	0.816	0.0	1.0	44.6	67.8	−13.3	69.1	348.8
330	B34R_075_075$_d$	0.5	0.0	0.75	0.75	0.75	0.375	311	0.512	0.0	0.75	35.9	46.6	−14.1	48.7	343.1	0.5	0.0	0.75	37.5	50.6	−16.6	53.2	341.7	4.9	311	0.683	0.0	1.0	41.9	62.2	−18.8	65.0	343.1
331	B29R_087_087$_d$	0.5	0.0	0.875	0.875	0.875	0.437	305	0.51	0.0	0.875	37.1	50.0	−20.5	54.1	337.7	0.5	0.0	0.875	38.1	53.6	−21.9	57.9	337.7	3.9	305	0.583	0.0	1.0	39.9	57.2	−23.4	61.8	337.7
332	B25R_100_100$_d$	0.5	0.0	1.0	1.0	1.0	0.5	300	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9	0.0	300	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9
333	R23Y_050_050$_d$	0.5	0.125	0.0	0.5	0.5	0.25	44	0.5	0.116	0.0	36.5	22.9	26.1	34.7	48.7	0.5	0.125	0.0	40.6	21.7	30.8	37.7	54.8	6.3	42	1.0	0.233	0.0	55.3	45.8	52.2	69.5	48.7
334	R00Y_050_037$_d$	0.5	0.125	0.125	0.5	0.375	0.312	390	0.5	0.124	0.124	38.5	23.9	15.4	28.5	32.8	0.5	0.125	0.125	40.8	23.4	21.1	31.5	42.1	6.1	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
335	R18Y_050_037$_d$	0.5	0.125	0.25	0.5	0.375	0.312	371	0.5	0.124	0.243	38.6	24.6	9.4	26.4	20.9	0.5	0.125	0.25	41.4	25.1	10.4	27.2	22.5	3.0	371	1.0	0.0	0.316	47.7	65.7	25.1	70.4	20.9
336	B65R_050_037$_d$	0.5	0.125	0.375	0.5	0.375	0.312	349	0.5	0.124	0.381	38.8	26.1	1.5	26.1	3.2	0.5	0.125	0.375	41.9	27.5	−0.1	27.5	359.7	3.7	348	1.0	0.0	0.683	48.1	69.7	4.0	69.8	3.2
337	B50R_050_037$_d$	0.5	0.125	0.5	0.5	0.375	0.312	330	0.5	0.124	0.5	38.8	27.3	−3.2	27.5	353.3	0.5	0.125	0.5	42.4	29.4	−6.8	30.2	346.8	5.5	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
338	B38R_062_050$_d$	0.5	0.125	0.625	0.625	0.5	0.375	316	0.508	0.125	0.625	40.3	33.2	−7.2	34.0	347.6	0.5	0.125	0.625	44.1	33.5	−10.8	35.3	342.0	5.2	317	0.766	0.0	1.0	43.5	66.4	−14.5	68.0	347.6
339	B30R_075_062$_d$	0.5	0.125	0.75	0.75	0.625	0.437	307	0.51	0.125	0.75	41.8	36.5	−13.8	39.1	339.2	0.5	0.125	0.75	44.3	37.8	−15.6	41.0	337.5	3.3	307	0.616	0.0	1.0	40.7	58.5	−22.1	62.5	339.2
340	B25R_087_075$_d$	0.5	0.125	0.875	0.875	0.75	0.5	300	0.5	0.125	0.875	42.5	40.3	−19.7	44.9	333.9	0.5	0.125	0.875	43.3	41.6	−21.8	47.0	332.3	2.6	300	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9
341	B20R_100_087$_d$	0.5	0.125	1.0	1.0	0.875	0.562	295	0.489	0.125	1.0	42.7	43.5	−26.0	50.7	329.1	0.5	0.125	1.0	42.6	43.1	−26.7	50.7	328.1	0.8	294	0.416	0.0	1.0	35.1	49.7	−29.7	57.9	329.1
342	R50Y_050_050$_d$	0.5	0.25	0.0	0.5	0.5	0.25	60	0.5	0.25	0.0	42.4	11.3	33.8	35.6	71.4	0.5	0.25	0.0	48.0	7.3	38.6	39.3	79.2	8.3	59	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
343	R31Y_050_037$_d$	0.5	0.25	0.125	0.5	0.375	0.312	49	0.5	0.243	0.124	42.8	14.4	21.4	25.8	55.9	0.5	0.25	0.125	47.5	9.9	26.2	28.1	69.3	8.1	48	1.0	0.316	0.0	58.9	38.6	57.1	69.0	55.9
344	R00Y_050_025$_d$	0.5	0.25	0.25	0.5	0.25	0.375	390	0.5	0.249	0.249	44.5	15.9	10.3	19.0	32.8	0.5	0.25	0.25	48.2	12.4	14.0	18.7	48.6	6.3	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
345	R00Y_050_025$_d$	0.5	0.25	0.375	0.5	0.25	0.375	360	0.5	0.249	0.375	44.6	16.9	3.5	17.2	11.6	0.5	0.25	0.375	49.1	14.6	3.5	15.0	13.4	4.9	360	1.0	0.0	0.5	47.7	67.7	14.0	69.1	11.6
346	B50R_050_025$_d$	0.5	0.25	0.5	0.5	0.25	0.375	330	0.5	0.249	0.5	44.7	18.2	−2.1	18.3	353.3	0.5	0.25	0.5	49.8	16.9	−5.0	17.7	343.5	5.9	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
347	B34R_062_037$_d$	0.5	0.25	0.625	0.625	0.375	0.437	311	0.506	0.25	0.625	46.2	23.3	−7.0	24.3	343.1	0.5	0.25	0.625	50.9	21.5	−9.4	23.5	336.2	5.5	311	0.683	0.0	1.0	41.9	62.2	−18.8	65.0	343.1
348	B25R_075_050$_d$	0.5	0.25	0.75	0.75	0.5	0.5	300	0.5	0.25	0.75	47.2	26.9	−13.1	29.9	333.9	0.5	0.25	0.75	50.4	26.0	−14.8	29.9	330.3	3.7	300	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9
349	B19R_087_062$_d$	0.5	0.25	0.875	0.875	0.625	0.562	293	0.489	0.25	0.875	47.3	30.0	−19.3	35.7	327.2	0.5	0.25	0.875	50.0	29.2	−20.8	35.8	324.5	3.1	292	0.383	0.0	1.0	34.0	48.0	−30.9	57.1	327.2
350	B15R_100_075$_d$	0.5	0.25	1.0	1.0	0.75	0.625	289	0.487	0.25	1.0	48.4	31.8	−26.5	41.4	320.2	0.5	0.25	1.0	48.4	32.1	−25.6	41.0	321.4	0.9	288	0.316	0.0	1.0	32.7	42.4	−35.3	55.3	320.2
351	R76Y_050_050$_d$	0.5	0.375	0.0	0.5	0.5	0.25	76	0.5	0.383	0.0	48.8	0.5	41.9	41.9	89.2	0.5	0.375	0.0	53.9	−2.5	45.0	45.1	93.2	6.7	77	1.0	0.766	0.0	79.9	1.0	83.9	83.9	89.2
352	R68Y_050_037$_d$	0.5	0.375	0.125	0.5	0.375	0.312	71	0.5	0.381	0.124	49.3	2.6	29.8	29.9	84.9	0.5	0.375	0.125	54.4	−0.6	31.7	31.7	91.2	6.3	71	1.0	0.683	0.0	76.2	7.0	79.5	79.8	84.9
353	R50Y_050_025$_d$	0.5	0.375	0.25	0.5	0.25	0.375	60	0.5	0.375	0.249	49.5	5.6	16.9	17.8	71.4	0.5	0.375	0.25	54.9	2.1	18.2	18.3	83.1	6.6	59	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
354	R00Y_050_012$_d$	0.5	0.375	0.375	0.5	0.125	0.437	390	0.5	0.375	0.375	50.5	7.9	5.1	9.5	32.8	0.5	0.375	0.375	55.9	4.8	6.8	8.3	54.9	6.4	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
355	B50R_050_012$_d$	0.5	0.375	0.5	0.5	0.125	0.437	330	0.5	0.375	0.5	50.6	9.1	−1.0	9.1	353.3	0.5	0.375	0.5	57.0	7.5	−2.9	8.0	338.5	6.7	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
356	B25R_062_025$_d$	0.5	0.375	0.625	0.625	0.25	0.5	300	0.5	0.375	0.625	51.9	13.4	−6.5	14.9	333.9	0.5	0.375	0.625	58.0	11.0	−7.9	13.5	324.1	6.7	300	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9
357	B15R_075_037$_d$	0.5	0.375	0.75	0.75	0.375	0.562	289	0.493	0.375	0.75	52.5	15.9	−13.2	20.7	320.2	0.5	0.375	0.75	56.9	15.5	−13.7	20.7	318.5	4.5	288	0.316	0.0	1.0	32.7	42.4	−35.3	55.3	320.2
358	B11R_087_050$_d$	0.5	0.375	0.875	0.875	0.5	0.625	284	0.491	0.375	0.875	53.6	17.8	−19.8	26.6	311.9	0.5	0.375	0.875	56.7	18.9	−19.2	26.9	314.5	3.3	282	0.233	0.0	1.0	31.2	35.6	−39.6	53.3	311.9
359	B09R_100_062$_d$	0.5	0.375	1.0	1.0	0.625	0.687	281	0.489	0.375	1.0	54.7	21.2	−25.6	33.2	309.5	0.5	0.375	1.0	54.2	23.1	−24.3	33.5	313.4	2.3	279	0.183	0.0	1.0	30.3	33.9	−41.0	53.2	309.5
360	Y00G_050_050$_d$	0.5	0.5	0.0	0.5	0.5	0.25	90	0.5	0.5	0.0	53.0	−5.9	47.5	47.9	97.1	0.5	0.5	0.0	58.5	−9.2	49.7	50.6	100.5	6.7	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
361	Y00G_050_037$_d$	0.5	0.5	0.125	0.5	0.375	0.312	90	0.5	0.5	0.124	53.9	−4.4	35.6	35.9	97.1	0.5	0.5	0.125	59.1	−7.8	35.8	36.6	102.3	6.2	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
362	Y00G_050_025$_d$	0.5	0.5	0.25	0.5	0.25	0.375	90	0.5	0.5	0.249	54.8	−2.9	23.7	23.9	97.1	0.5	0.5	0.25	60.5	−5.7	21.7	22.4	104.8	6.6	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
363	Y00G_050_012$_d$	0.5	0.5	0.375	0.5	0.125	0.437	90	0.5	0.5	0.375	55.7	−1.4	11.8	11.9	97.1	0.5	0.5	0.375	61.7	−3.2	9.6	10.2	108.5	6.6	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
364	NW_050$_d$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	56.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5	63.4	−0.4	−0.6	0.7	235.9	6.8	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
365	B00R_062_012$_d$	0.5	0.5	0.625	0.625	0.125	0.562	270	0.5	0.5	0.625	57.5	2.9	−5.9	6.6	296.4	0.5	0.5	0.625	63.4	3.0	−6.7	7.3	294.2	5.9	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
366	B00R_075_025$_d$	0.5	0.5	0.75	0.75	0.25	0.625	270	0.5	0.5	0.75	58.4	5.8	−11.8	13.2	296.4	0.5	0.5	0.75	63.3	7.0	−11.7	13.6	300.9	4.9	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
367	B00R_087_037$_d$	0.5	0.5	0.875	0.875	0.375	0.687	270	0.5	0.5	0.875	59.4	8.8	−17.7	19.8	296.4	0.5	0.5	0.875	63.0	9.8	−17.7	20.2	299.0	3.7	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
368	B00R_100_050$_d$	0.5	0.5	1.0	1.0	0.5	0.75	270	0.5	0.5	1.0	60.4	11.7	−23.6	26.4	296.4	0.5	0.5	1.0	60.0	15.5	−22.8	27.6	304.1	3.8	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
369	Y18G_062_062$_d$	0.5	0.625	0.0	0.625	0.625	0.312	101	0.51	0.625	0.0	59.4	−11.2	53.7	54.9	101.7	0.5	0.625	0.0	64.0	−14.1	56.2	57.9	104.1	5.9	99	0.816	1.0	0.0	84.5	−17.9	86.0	87.8	101.7
370	Y23G_062_050$_d$	0.5	0.625	0.125	0.625	0.5	0.375	104	0.508	0.625	0.125	60.2	−9.6	41.8	42.9	102.9	0.5	0.625	0.125	64.4	−12.8	42.5	44.4	106.8	5.3	102	0.766	1.0	0.0	83.3	−19.2	83.7	85.9	102.9
371	Y31G_062_037$_d$	0.5	0.625	0.25	0.625	0.375	0.437	109	0.506	0.625	0.25	60.4	−8.5	29.8	31.0	106.0	0.5	0.625	0.25	65.5	−11.1	28.3	30.5	111.4	5.8	108	0.683	1.0	0.0	79.8	−22.8	79.5	82.7	106.0
372	Y50G_062_025$_d$	0.5	0.625	0.375	0.625	0.25	0.5	120	0.5	0.625	0.375	60.6	−7.8	16.5	18.2	115.3	0.5	0.625	0.375	66.3	−9.1	15.5	18.0	120.3	5.9	119	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3
373	G00B_062_012$_d$	0.5	0.625	0.5	0.625	0.125	0.562	150	0.5	0.625	0.5	60.8	−8.6	3.5	9.2	157.7	0.5	0.625	0.5	67.3	−6.4	4.3	7.8	146.1	6.8	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
374	G50B_062_012$_d$	0.5	0.625	0.625	0.625	0.125	0.562	210	0.5	0.625	0.625	61.6	−3.6	−5.4	6.5	236.1	0.5	0.625	0.625	68.4	−3.5	−5.0	6.1	234.4	6.8	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
375	G75B_075_025$_d$	0.5	0.625	0.75	0.75	0.25	0.625	240	0.5	0.625	0.75	62.8	−1.5	−11.2	11.3	262.3	0.5	0.625	0.75	68.8	−0.3	−10.4	10.4	268.2	6.1	240	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3
376	G84B_087_037$_d$	0.5	0.625	0.875	0.875	0.375	0.687	251	0.5	0.618	0.875	63.3	1.9	−17.2	17.3	276.3	0.5	0.625	0.875	67.5	3.6	−16.6	17.0	282.2	4.5	251	0.0	0.316	1.0	35.7	5.1	−45.8	46.1	276.3
377	G88B_100_050$_d$	0.5	0.625	1.0	1.0	0.5	0.75	256	0.5	0.616	1.0	64.0	5.2	−23.1	23.7	282.8	0.5	0.625	1.0	65.6	7.1	−21.6	22.8	288.1	2.8	257	0.0	0.233	1.0	32.7	10.5	−46.2	47.4	282.8
378	Y31G_075_075$_d$	0.5	0.75	0.0	0.75	0.75	0.375	109	0.512	0.75	0.0	64.3	−17.1	59.6	62.0	106.0	0.5	0.75	0.0	68.1	−19.0	61.9	64.8	107.0	4.8	108	0.683	1.0	0.0	79.8	−22.8	79.5	82.7	106.0
379	Y38G_075_062$_d$	0.5	0.75	0.125	0.75	0.625	0.437	113	0.51	0.75	0.125	64.3	−16.0	47.3	49.9	108.7	0.5	0.75	0.125	68.3	−18.1	47.6	50.9	110.8	4.5	112	0.616	1.0	0.0	76.8	−25.7	75.6	79.9	108.7
380	Y50G_075_050$_d$	0.5	0.75	0.25	0.75	0.5	0.5	120	0.5	0.75	0.25	64.6	−15.6	33.0	36.5	115.3	0.5	0.75	0.25	68.9	−16.8	33.8	37.8	116.4	4.4	119	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3
381	Y68G_075_037$_d$	0.5	0.75	0.375	0.75	0.375	0.562	131	0.493	0.75	0.375	64.6	−15.8	20.1	25.6	128.2	0.5	0.75	0.375	69.8	−14.8	20.8	25.6	125.4	5.3	131	0.316	1.0	0.0	65.1	−42.3	53.6	68.2	128.2
382	G00B_075_025$_d$	0.5	0.75	0.5	0.75	0.25	0.625	150	0.5	0.75	0.5	65.1	−17.2	7.0	18.5	157.7	0.5	0.75	0.5	71.1	−12.0	9.8	15.5	140.7	8.3	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
383	G25B_075_025$_d$	0.5	0.75	0.625	0.75	0.25	0.625	180	0.5	0.75	0.625	65.8	−12.7	−3.0	13.1	193.5	0.5	0.75	0.625	71.9	−9.2	−0.1	9.2	181.1	7.6	180	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5
384	G50B_075_025$_d$	0.5	0.75	0.75	0.75	0.25	0.625	210	0.5	0.75	0.75	66.7	−7.3	−10.9	13.1	236.1	0.5	0.75	0.75	72.9	−6.2	−9.1	11.0	235.5	6.5	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
385	G65B_087_037$_d$	0.5	0.75	0.875	0.875	0.375	0.687	229	0.5	0.756	0.875	68.5	−6.2	−16.6	17.7	249.4	0.5	0.75	0.875	73.7	−4.2	−15.2	15.8	254.3	5.7	228	0.0	0.683	1.0	49.6	−16.6	−44.3	47.4	249.4
386	G75B_100_050$_d$	0.5	0.75	1.0	1.0	0.5	0.75	240	0.5	0.75	1.0	69.1	−3.0	−22.5	22.7	262.3	0.5	0.75	1.0	70.7	0.2	−20.5	20.5	270.8	4.1	240	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3
387	Y41G_087_087$_d$	0.5	0.875	0.0	0.875	0.875	0.437	115	0.51	0.875	0.0	68.4	−24.0	63.8	68.2	110.6	0.5	0.875	0.0	71.6	−25.4	65.5	70.3	111.2	3.8	114	0.583	1.0	0.0	75.6	−27.5	72.9	78.0	110.6
388	Y50G_087_075$_d$	0.5	0.875	0.125	0.875	0.75	0.5	120	0.5	0.875	0.125	68.7	−23.5	49.5	54.8	115.3	0.5	0.875	0.125	71.6	−24.9	51.1	56.8	115.9	3.5	119	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3
389	Y61G_087_062$_d$	0.5	0.875	0.25	0.875	0.625	0.562	127	0.489	0.875	0.25	69.3	−22.8	36.6	43.2	121.9	0.5	0.875	0.25	72.0	−23.8	38.3	45.1	121.9	3.3	127	0.383	1.0	0.0	69.1	−36.5	58.6	69.1	121.9
390	Y76G_087_050$_d$	0.5	0.875	0.375	0.875	0.5	0.625	136	0.491	0.875	0.375	68.2	−24.4	23.3	33.8	136.2	0.5	0.875	0.375	73.1	−21.3	25.4	33.2	129.9	6.1	137	0.233	1.0	0.0	60.4	−48.8	46.7	67.6	136.2
391	G00B_087_037$_d$	0.5	0.875	0.5	0.875	0.375	0.687	150	0.5	0.875	0.5	69.4	−25.8	10.5	27.8	157.7	0.5	0.875	0.5	74.4	−18.4	13.7	23.0	143.3	9.4	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
392	G15B_087_037$_d$	0.5	0.875	0.625	0.875	0.375	0.687	169	0.5	0.875	0.618	70.0	−22.3	1.4	22.3	176.3	0.5	0.875	0.625	75.3	−15.8	3.8	16.3	166.3	8.6	168	0.0	1.0	0.316	53.7	−59.5	3.7	59.6	176.3
393	G34B_087_037$_d$	0.5	0.875	0.75	0.875	0.375	0.687	191	0.5	0.875	0.756	71.0	−15.9	−9.8	18.7	211.7	0.5	0.875	0.75	76.7	−12.5	−6.1	13.9	206.1	7.5	191	0.0	1.0	0.683	56.2	−42.4	−26.3	49.9	211.7
394	G50B_087_037$_d$	0.5	0.875	0.875	0.875	0.375	0.687	210	0.5	0.875	0.875	71.8	−10.9	−16.4	19.7	236.1	0.5	0.875	0.875	77.3	−9.5	−14.2	17.1	236.0	6.1	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
395	G61B_100_050$_d$	0.5	0.875	1.0	1.0	0.5	0.75	224	0.5	0.883	1.0	73.8	−10.2	−22.0	24.3	245.1	0.5	0.875	1.0	76.5	−6.8	−19.4	20.6	250.5	5.0	222	0.0	0.766	1.0	52.2	−20.4	−44.1	48.6	245.1
396	Y50G_100_100$_d$	0.5	1.0	0.0	1.0	1.0	0.5	120	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3	0.0	119	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3
397	Y58G_100_087$_d$	0.5	1.0	0.125	1.0	0.875	0.562	125	0.489	1.0	0.125	73.3	−30.8	53.2	61.4	120.0	0.5	1.0	0.125	73.1	−30.7	53.1	61.4	120.0	0.2	125	0.416	1.0	0.0	70.2	−35.2	60.8	70.2	120.0
398	Y68G_100_075$_d$	0.5	1.0	0.25	1.0	0.75	0.625	131	0.487	1.0	0.25	72.7	−31.7	40.2	51.2	128.2	0.5	1.0	0.25	73.6	−29.3	40.7	50.1	125.7	2.6	131	0.316	1.0	0.0	65.1	−42.3	53.6	68.2	128.2
399	Y81G_100_062$_d$	0.5	1.0	0.375	1.0	0.625	0.687	139	0.489	1.0	0.375	72.6	−32.3	27.0	42.1	140.1	0.5	1.0	0.375	74.6	−27.1	29.6	40.1	132.5	6.1	140	0.183	1.0	0.0	59.0	−51.8	43.2	67.4	140.1
400	G00B_100_050$_d$	0.5	1.0	0.5	1.0	0.5	0.75	150	0.5	1.0	0.5	73.7	−34.4	14.0	37.1	157.7	0.5	1.0	0.5	76.0	−24.2	18.2	30.3	142.9	11.2	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
401	G11B_100_050$_d$	0.5	1.0	0.625	1.0	0.5	0.75	164	0.5	1.0	0.616	74.3	−31.3	5.5	31.8	170.0	0.5	1.0	0.625	77.1	−21.4	7.9	22.8	159.7	10.5	162	0.0	1.0	0.233	53.2	−62.6	11.0	63.6	170.0
402	G25B_100_050$_d$	0.5	1.0	0.75	1.0	0.5	0.75	180	0.5	1.0	0.75	75.1	−25.5	−6.1	26.2	193.5	0.5	1.0	0.75	78.1	−18.4	−2.0	18.5	186.2	8.7	180	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5
403	G38B_100_050$_d$	0.5	1.0	0.875	1.0	0.5	0.75	196	0.5	1.0	0.883	76.1	−19.2	−15.8	24.9	219.6	0.5	1.0	0.875	79.4	−15.1	−10.7	18.5	215.2	7.3	197	0.0	1.0	0.766	56.8	−38.4	−31.7	49.8	219.6
404	G50B_100_050$_d$	0.5	1.0	1.0	1.0	0.5	0.75	210	0.5	1.0	1.0	76.9	−14.6	−21.8	26.3	236.1	0.5	1.0	1.0	80.2	−12.0	−18.3	21.9	236.6	5.5	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1

Mean color difference of this page: **delta $E^{*\prime}$ = 5.3**

1−0032330−F0

QE640−7N, Page 24/33−F

TUB-test chart QE64; hue code: H^*_d=Y75G$_d$
colors and differences, $\Delta E^{*\prime}$

input: *rgb/cmyk* −> *rgb*$_d$
output: transfer to *cmyk*$_d$

see similar files: http://130.149.60.45/~farbmetrik/QE64/QE64.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

1−0032330−F0

TUB registration: 20130201-QE64/QE64L0NP.PDF /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmyn6 (CMYK)

http://130.149.60.45/~farbmetrik/QE64/QE64L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 25/33

n	**HIC***$_{Fd}$	*rgb*$_{\_Fd}$			*ict*$_{\_Fd}$			*h*$_{si\_F,d}$	*rgb**$_{Fd}$			*LabCh**$_{Fd}$					*rgb**'$_{Fd}$			*LabCh**'$_{Fd}$					*DE**'$_{Fd}$	*h*$_{siM,d}$	*rgb**$_{Md}$			*LabCh**$_{Md}$				
405	R00Y_062_062$_d$	0.625	0.0	0.0	0.625	0.625	0.312	390	0.625	0.0	0.0	36.2	39.9	25.7	47.5	32.8	0.625	0.0	0.0	37.4	42.1	28.4	50.8	34.0	3.7	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
406	R31Y_062_062$_d$	0.625	0.0	0.125	0.625	0.625	0.312	379	0.625	0.0	0.114	36.3	40.5	20.1	45.2	26.4	0.625	0.0	0.125	37.5	43.0	21.4	48.0	26.4	3.0	380	1.0	0.0	0.183	47.5	64.8	32.2	72.4	26.4
407	R11Y_062_062$_d$	0.625	0.0	0.25	0.625	0.625	0.312	367	0.625	0.0	0.239	36.5	41.4	13.3	43.5	17.8	0.625	0.0	0.25	37.7	44.8	12.8	46.6	15.9	3.6	367	1.0	0.0	0.383	47.7	66.3	21.3	69.6	17.8
408	B69R_062_062$_d$	0.625	0.0	0.375	0.625	0.625	0.312	353	0.625	0.0	0.385	36.6	43.0	4.7	43.3	6.2	0.625	0.0	0.375	37.8	46.7	3.8	46.9	4.6	4.0	352	1.0	0.0	0.616	48.0	68.8	7.5	69.2	6.2
409	B59R_062_062$_d$	0.625	0.0	0.5	0.625	0.625	0.312	341	0.625	0.0	0.51	36.7	44.4	−1.3	44.4	358.3	0.625	0.0	0.5	38.2	48.9	−3.5	49.0	355.8	5.1	339	1.0	0.0	0.816	48.2	71.1	−2.1	71.1	358.3
410	B50R_062_062$_d$	0.625	0.0	0.625	0.625	0.625	0.312	330	0.625	0.0	0.625	36.8	45.5	−5.3	45.8	353.3	0.625	0.0	0.625	38.6	50.3	−8.7	51.0	350.0	6.1	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
411	B42R_075_075$_d$	0.625	0.0	0.75	0.75	0.75	0.375	321	0.637	0.0	0.75	38.4	51.6	−9.4	52.4	349.6	0.625	0.0	0.75	40.0	54.5	−12.6	56.0	346.9	4.6	322	0.85	0.0	1.0	45.3	68.8	−12.5	69.9	349.6
412	B36R_087_087$_d$	0.625	0.0	0.875	0.875	0.875	0.437	314	0.641	0.0	0.875	39.7	56.9	−13.9	58.6	346.2	0.625	0.0	0.875	41.2	58.5	−16.8	60.8	343.9	3.6	315	0.733	0.0	1.0	42.8	65.0	−15.9	66.9	346.2
413	B31R_100_100$_d$	0.625	0.0	1.0	1.0	1.0	0.5	308	0.633	0.0	1.0	41.1	59.3	−21.4	63.0	340.1	0.625	0.0	1.0	40.9	58.8	−21.8	62.7	339.6	0.6	308	0.633	0.0	1.0	41.1	59.3	−21.4	63.0	340.1
414	R18Y_062_062$_d$	0.625	0.125	0.0	0.625	0.625	0.312	41	0.625	0.114	0.0	40.0	31.3	31.2	44.2	44.9	0.625	0.125	0.0	43.4	29.6	35.4	46.2	50.0	5.6	39	1.0	0.183	0.0	53.4	50.1	49.9	70.7	44.9
415	R00Y_062_050$_d$	0.625	0.125	0.125	0.625	0.5	0.375	390	0.625	0.125	0.125	42.2	31.9	20.6	38.0	32.8	0.625	0.125	0.125	44.0	30.5	26.8	40.6	41.3	6.6	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
416	R26Y_062_050$_d$	0.625	0.125	0.25	0.625	0.5	0.375	376	0.625	0.125	0.241	42.4	32.5	14.8	35.7	24.5	0.625	0.125	0.25	44.0	31.9	17.0	36.2	28.1	2.7	377	1.0	0.0	0.233	47.6	65.0	29.7	71.5	24.5
417	R00Y_062_050$_d$	0.625	0.125	0.375	0.625	0.5	0.375	360	0.625	0.125	0.375	42.4	33.8	7.0	34.5	11.6	0.625	0.125	0.375	44.8	33.4	6.9	34.1	11.8	2.4	360	1.0	0.0	0.5	47.7	67.7	14.0	69.1	11.6
418	B61R_062_050$_d$	0.625	0.125	0.5	0.625	0.5	0.375	344	0.625	0.125	0.508	42.6	35.3	−0.1	35.3	359.8	0.625	0.125	0.5	45.4	35.6	−1.6	35.7	357.2	3.1	342	1.0	0.0	0.766	48.1	70.6	−0.2	70.6	359.8
419	B50R_062_050$_d$	0.625	0.125	0.625	0.625	0.5	0.375	330	0.625	0.125	0.625	42.7	36.4	−4.2	36.6	353.3	0.625	0.125	0.625	45.8	37.2	−7.9	38.0	347.9	4.8	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
420	B40R_075_062$_d$	0.625	0.125	0.75	0.75	0.625	0.437	319	0.635	0.125	0.75	44.2	42.4	−8.3	43.2	348.8	0.625	0.125	0.75	46.7	41.7	−11.8	43.3	344.1	4.3	320	0.816	0.0	1.0	44.6	67.8	−13.3	69.1	348.8
421	B34R_087_075$_d$	0.625	0.125	0.875	0.875	0.75	0.5	311	0.637	0.125	0.875	45.6	46.6	−14.1	48.7	343.1	0.625	0.125	0.875	47.2	46.9	−16.5	49.7	340.6	2.8	311	0.683	0.0	1.0	41.9	62.2	−18.8	65.0	343.1
422	B29R_100_087$_d$	0.625	0.125	1.0	1.0	0.875	0.562	305	0.635	0.125	1.0	46.9	50.0	−20.5	54.1	337.7	0.625	0.125	1.0	46.3	48.9	−21.3	53.3	336.4	1.4	305	0.583	0.0	1.0	39.9	57.2	−23.4	61.8	337.7
423	R38Y_062_062$_d$	0.625	0.25	0.0	0.625	0.625	0.312	53	0.625	0.239	0.0	45.2	20.3	38.0	43.1	61.8	0.625	0.25	0.0	50.0	17.0	43.0	46.3	68.3	7.6	52	1.0	0.383	0.0	61.8	32.5	60.8	69.0	61.8
424	R23Y_062_050$_d$	0.625	0.25	0.125	0.625	0.5	0.375	44	0.625	0.241	0.125	46.2	22.9	26.1	34.7	48.7	0.625	0.25	0.125	50.0	18.4	32.1	37.0	60.1	8.3	42	1.0	0.233	0.0	55.3	45.8	52.2	69.5	48.7
425	R00Y_062_037$_d$	0.625	0.25	0.25	0.625	0.375	0.437	390	0.625	0.25	0.25	48.2	23.9	15.4	28.5	32.8	0.625	0.25	0.25	50.8	19.6	20.9	28.7	46.8	7.4	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
426	R18Y_062_037$_d$	0.625	0.25	0.375	0.625	0.375	0.437	371	0.625	0.25	0.368	48.4	24.6	9.4	26.4	20.9	0.625	0.25	0.375	51.7	21.2	11.0	23.9	27.5	5.0	371	1.0	0.0	0.316	47.7	65.7	25.1	70.4	20.9
427	B65R_062_037$_d$	0.625	0.25	0.5	0.625	0.375	0.437	349	0.625	0.25	0.506	48.5	26.1	1.5	26.1	3.2	0.625	0.25	0.5	52.2	23.6	0.8	23.6	2.0	4.5	348	1.0	0.0	0.683	48.1	69.7	4.0	69.8	3.2
428	B50R_062_037$_d$	0.625	0.25	0.625	0.625	0.375	0.437	330	0.625	0.25	0.625	48.6	27.3	−3.2	27.5	353.3	0.625	0.25	0.625	53.2	25.5	−6.3	26.3	346.0	5.8	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
429	B38R_075_050$_d$	0.625	0.25	0.75	0.75	0.5	0.5	316	0.633	0.25	0.75	50.0	33.2	−7.2	34.0	347.6	0.625	0.25	0.75	53.3	30.4	−10.7	32.2	340.6	5.4	317	0.766	0.0	1.0	43.5	66.4	−14.5	68.0	347.6
430	B30R_087_062$_d$	0.625	0.25	0.875	0.875	0.625	0.562	307	0.635	0.25	0.875	51.5	36.5	−13.8	39.1	339.2	0.625	0.25	0.875	53.5	34.9	−15.5	38.2	335.9	3.1	307	0.616	0.0	1.0	40.7	58.5	−22.1	62.5	339.2
431	B25R_100_075$_d$	0.625	0.25	1.0	1.0	0.75	0.625	300	0.625	0.25	1.0	52.2	40.3	−19.7	44.9	333.9	0.625	0.25	1.0	52.2	37.2	−20.6	42.5	330.9	3.3	300	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9
432	R61Y_062_062$_d$	0.625	0.375	0.0	0.625	0.625	0.312	67	0.625	0.385	0.0	52.3	7.4	47.2	47.8	81.0	0.625	0.375	0.0	57.0	4.6	50.8	51.0	84.7	6.4	67	1.0	0.616	0.0	73.2	11.8	75.6	76.6	81.0
433	R50Y_062_050$_d$	0.625	0.375	0.125	0.625	0.5	0.375	60	0.625	0.375	0.125	52.1	11.3	33.8	35.6	71.4	0.625	0.375	0.125	57.0	6.7	38.1	38.7	79.9	7.9	59	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
434	R31Y_062_037$_d$	0.625	0.375	0.25	0.625	0.375	0.437	49	0.625	0.368	0.25	52.6	14.4	21.4	25.8	55.9	0.625	0.375	0.25	57.3	8.9	25.6	27.1	70.8	8.4	48	1.0	0.316	0.0	58.9	38.6	57.1	69.0	55.9
435	R00Y_062_025$_d$	0.625	0.375	0.375	0.625	0.25	0.5	390	0.625	0.375	0.375	54.2	15.9	10.3	19.0	32.8	0.625	0.375	0.375	58.4	10.5	14.5	17.9	54.0	8.0	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
436	R00Y_062_025$_d$	0.625	0.375	0.5	0.625	0.25	0.5	360	0.625	0.375	0.5	54.3	16.9	3.5	17.2	11.6	0.625	0.375	0.5	59.3	12.7	4.1	13.4	18.1	6.5	360	1.0	0.0	0.5	47.7	67.7	14.0	69.1	11.6
437	B50R_062_025$_d$	0.625	0.375	0.625	0.625	0.25	0.5	330	0.625	0.375	0.625	54.5	18.2	−2.1	18.3	353.3	0.625	0.375	0.625	60.3	15.0	−4.4	15.7	343.4	7.0	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
438	B34R_075_037$_d$	0.625	0.375	0.75	0.75	0.375	0.562	311	0.631	0.375	0.75	55.9	23.3	−7.0	24.3	343.1	0.625	0.375	0.75	59.8	19.9	−9.4	22.0	334.5	5.7	311	0.683	0.0	1.0	41.9	62.2	−18.8	65.0	343.1
439	B25R_087_050$_d$	0.625	0.375	0.875	0.875	0.5	0.625	300	0.625	0.375	0.875	56.9	26.9	−13.1	29.9	333.9	0.625	0.375	0.875	60.1	23.7	−14.4	27.8	328.5	4.6	300	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9
440	B19R_100_062$_d$	0.625	0.375	1.0	1.0	0.625	0.687	293	0.614	0.375	1.0	57.1	30.0	−19.3	35.7	327.2	0.625	0.375	1.0	57.3	27.1	−20.3	33.9	323.1	3.0	292	0.383	0.0	1.0	34.0	48.0	−30.9	57.1	327.2
441	R81Y_062_062$_d$	0.625	0.5	0.0	0.625	0.625	0.312	79	0.625	0.51	0.0	57.8	−1.2	54.1	54.1	91.2	0.625	0.5	0.0	62.6	−3.9	56.8	56.9	94.0	6.1	80	1.0	0.816	0.0	81.9	−1.9	86.5	86.5	91.2
442	R76Y_062_050$_d$	0.625	0.5	0.125	0.625	0.5	0.375	76	0.625	0.508	0.125	58.5	0.5	41.9	41.9	89.2	0.625	0.5	0.125	63.1	−2.5	43.7	43.8	93.3	5.8	77	1.0	0.766	0.0	79.9	1.0	83.9	83.9	89.2
443	R68Y_062_037$_d$	0.625	0.5	0.25	0.625	0.375	0.437	71	0.625	0.506	0.25	59.1	2.6	29.8	29.9	84.9	0.625	0.5	0.25	63.9	−0.7	30.2	30.2	91.3	5.9	71	1.0	0.683	0.0	76.2	7.0	79.5	79.8	84.9
444	R50Y_062_025$_d$	0.625	0.5	0.375	0.625	0.25	0.5	60	0.625	0.5	0.375	59.2	5.6	16.9	17.8	71.4	0.625	0.5	0.375	64.8	1.6	17.9	17.9	84.7	6.9	59	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
445	R00Y_062_012$_d$	0.625	0.5	0.5	0.625	0.125	0.562	390	0.625	0.5	0.5	60.2	7.9	5.1	9.5	32.8	0.625	0.5	0.5	65.8	4.2	6.6	7.9	57.4	6.8	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
446	B50R_062_012$_d$	0.625	0.5	0.625	0.625	0.125	0.562	330	0.625	0.5	0.625	60.4	9.1	−1.0	9.1	353.3	0.625	0.5	0.625	66.4	6.8	−2.7	7.3	338.3	6.6	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
447	B25R_075_025$_d$	0.625	0.5	0.75	0.75	0.25	0.625	300	0.625	0.5	0.75	61.6	13.4	−6.5	14.9	333.9	0.625	0.5	0.75	66.5	10.6	−7.9	13.2	323.2	5.8	300	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9
448	B15R_087_037$_d$	0.625	0.5	0.875	0.875	0.375	0.687	289	0.618	0.5	0.875	62.2	15.9	−13.2	20.7	320.2	0.625	0.5	0.875	66.2	14.2	−13.3	19.5	316.8	4.3	288	0.316	0.0	1.0	32.7	42.4	−35.3	55.3	320.2
449	B11R_100_050$_d$	0.625	0.5	1.0	1.0	0.5	0.75	284	0.616	0.5	1.0	63.3	17.8	−19.8	26.6	311.9	0.625	0.5	1.0	62.9	19.2	−19.0	27.0	315.2	1.6	282	0.233	0.0	1.0	31.2	35.6	−39.6	53.3	311.9
450	Y00G_062_062$_d$	0.625	0.625	0.0	0.625	0.625	0.312	90	0.625	0.625	0.0	61.8	−7.4	59.4	59.9	97.1	0.625	0.625	0.0	66.7	−10.2	62.3	63.1	99.2	6.2	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
451	Y00G_062_050$_d$	0.625	0.625	0.125	0.625	0.5	0.375	90	0.625	0.625	0.125	62.7	−5.9	47.5	47.9	97.1	0.625	0.625	0.125	67.7	−9.2	48.5	49.4	100.7	6.0	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
452	Y00G_062_037$_d$	0.625	0.625	0.25	0.625	0.375	0.437	90	0.625	0.625	0.25	63.6	−4.4	35.6	35.9	97.1	0.625	0.625	0.25	68.8	−7.5	34.1	34.9	102.5	6.2	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
453	Y00G_062_025$_d$	0.625	0.625	0.375	0.625	0.25	0.5	90	0.625	0.625	0.375	64.5	−2.9	23.7	23.9	97.1	0.625	0.625	0.375	69.7	−5.4	20.9	21.6	104.5	6.4	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
454	Y00G_062_012$_d$	0.625	0.625	0.5	0.625	0.125	0.562	90	0.625	0.625	0.5	65.4	−1.4	11.8	11.9	97.1	0.625	0.625	0.5	71.2	−3.0	9.5	9.9	107.6	6.4	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
455	NW_062$_d$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	66.3	0.0	0.0	0.0	0.0	0.625	0.625	0.625	72.2	−0.3	−0.4	0.5	236.5	5.9	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
456	B00R_075_012$_d$	0.625	0.625	0.75	0.75	0.125	0.687	270	0.625	0.625	0.75	67.2	2.9	−5.9	6.6	296.4	0.625	0.625	0.75	72.1	2.8	−6.3	7.0	294.3	4.8	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
457	B00R_087_025$_d$	0.625	0.625	0.875	0.875	0.25	0.75	270	0.625	0.625	0.875	68.2	5.8	−11.8	13.2	296.4	0.625	0.625	0.875	71.5	7.4	−11.9	14.0	301.8	3.6	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
458	B00R_100_037$_d$	0.625	0.625	1.0	1.0	0.375	0.812	270	0.625	0.625	1.0	69.1	8.8	−17.7	19.8	296.4	0.625	0.625	1.0	69.1	10.5	−17.4	20.4	301.2	1.7	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
459	Y15G_075_075$_d$	0.625	0.75	0.0	0.75	0.75	0.375	99	0.637	0.75	0.0	68.3	−12.7	65.6	66.8	100.9	0.625	0.75	0.0	71.1	−14.9	68.3	69.9	102.3	4.4	97	0.85	1.0	0.0	85.2	−16.9	87.4	89.1	100.9
460	Y18G_075_062$_d$	0.625	0.75	0.125	0.75	0.625	0.437	101	0.635	0.75	0.125	69.1	−11.2	53.7	54.9	101.7	0.625	0.75	0.125	71.9	−14.0	54.1	55.9	104.5	4.0	99	0.816	1.0	0.0	84.5	−17.9	86.0	87.8	101.7
461	Y23G_075_050$_d$	0.625	0.75	0.25	0.75	0.5	0.5	104	0.633	0.75	0.25	69.9	−9.6	41.8	42.9	102.9	0.625	0.75	0.25	73.1	−12.7	41.1	43.0	107.1	4.4	102	0.766	1.0	0.0	83.3	−19.2	83.7	85.9	102.9
462	Y31G_075_037$_d$	0.625	0.75	0.375	0.75	0.375	0.562	109	0.631	0.75	0.375	70.1	−8.5	29.8	31.0	106.0	0.625	0.75	0.375	74.0	−11.0	27.6	29.7	111.7	5.0	108	0.683	1.0	0.0	79.8	−22.8	79.5	82.7	106.0
463	Y50G_075_025$_d$	0.625	0.75	0.5	0.75	0.25	0.625	120	0.625	0.75	0.5	70.3	−7.8	16.5	18.2	115.3	0.625	0.75	0.5	74.4	−8.8	15.2	17.6	120.1	4.3	119	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3
464	G00B_075_012$_d$	0.625	0.75	0.625	0.75	0.125	0.687	150	0.625	0.75	0.625	70.5	−8.6	3.5	9.2	157.7	0.625	0.75	0.625	75.8	−6.1	4.7	7.7	142.4	5.9	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
465	G50B_075_012$_d$	0.625	0.75	0.75	0.75	0.125	0.687	210	0.625	0.75	0.75	71.3	−3.6	−5.4	6.5	236.1	0.625	0.75	0.75	76.8	−3.3	−4.6	5.7	233.9	5.5	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
466	G75B_087_025$_d$	0.625	0.75	0.875	0.875	0.25	0.75	240	0.625	0.75	0.875	72.5	−1.5	−11.2	11.3	262.3	0.625	0.75	0.875	77.2	−0.2	−10.5	10.5	268.8	4.9	240	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3
467	G84B_100_037$_d$	0.625	0.75	1.0	1.0	0.375	0.812	251	0.625	0.743	1.0	73.0	1.9	−17.2	17.3	276.3	0.625	0.75	1.0	74.1	4.3	−16.2	16.7	284.9	2.8	251	0.0	0.316	1.0	35.7	5.1	−45.8	46.1	276.3
468	Y26G_087_087$_d$	0.625	0.875	0.0	0.875	0.875	0.437	106	0.641	0.875	0.0	74.1	−17.9	71.8	74.0	104.0	0.625	0.875	0.0	75.7	−19.8	74.1	76.7	104.9	3.3	104	0.733	1.0	0.0	82.2	−20.5	82.1	84.6	104.0
469	Y31G_087_075$_d$	0.625	0.875	0.125	0.875	0.75	0.5	109	0.637	0.875	0.125	74.0	−17.1	59.6	62.0	106.0	0.625	0.875	0.125	76.4	−19.0	60.5	63.5	107.4	3.2	108	0.683	1.0	0.0	79.8	−22.8	79.5	82.7	106.0
470	Y38G_087_062$_d$	0.625	0.875	0.25	0.875	0.625	0.562	113	0.635	0.875	0.25	74.0	−16.0	47.3	49.9	108.7	0.625	0.875	0.25	77.1	−18.1	48.0	51.4	110.6	3.7	112	0.616	1.0	0.0	76.8	−25.7	75.6	79.9	108.7
471	Y50G_087_050$_d$	0.625	0.875	0.375	0.875	0.5	0.625	120	0.625	0.875	0.375	74.4	−15.6	33.0	36.5	115.3	0.625	0.875	0.375	77.4	−16.7	33.6	37.6	116.5	3.3	119	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3
472	Y68G_087_037$_d$	0.625	0.875	0.5	0.875	0.375	0.687	131	0.618	0.875	0.5	74.3	−15.8	20.1	25.6	128.2	0.625	0.875	0.5	78.2	−14.7	20.5	25.2	125.7	4.0	131	0.316	1.0	0.0	65.1	−42.3	53.6	68.2	128.2
473	G00B_087_025$_d$	0.625	0.875	0.625	0.875	0.25	0.75	150	0.625	0.875	0.625	74.8	−17.2	7.0	18.5	157.7	0.625	0.875	0.625	79.8	−11.8	10.2	15.6	139.0	8.0	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
474	G25B_087_025$_d$	0.625	0.875	0.75	0.875	0.25	0.75	180	0.625	0.875	0.75	75.5	−12.7	−3.0	13.1	193.5	0.625	0.875	0.75	81.1	−9.0	0.1	9.0	179.1	7.4	180	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5
475	G50B_087_025$_d$	0.625	0.875	0.875	0.875	0.25	0.75	210	0.625	0.875	0.875	76.4	−7.3	−10.9	13.1	236.1	0.625	0.875	0.875	81.8	−6.1	−8.9	10.8	235.4	5.8	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
476	G65B_100_037$_d$	0.625	0.875	1.0	1.0	0.375	0.812	229	0.625	0.881	1.0	78.2	−6.2	−16.6	17.7	249.4	0.625	0.875	1.0	79.9	−3.4	−14.8	15.2	256.9	3.7	228	0.0	0.683	1.0	49.6	−16.6	−44.3	47.4	249.4
477	Y36G_100_100$_d$	0.625	1.0	0.0	1.0	1.0	0.5	112	0.633	1.0	0.0	77.4	−24.9	76.8	80.7	107.9	0.625	1.0	0.0	77.0	−25.2	76.3	80.4	108.3	0.6	111	0.633	1.0	0.0	77.4	−24.9	76.8	80.7	107.9
478	Y41G_100_087$_d$	0.625	1.0	0.125	1.0	0.875	0.562	115	0.635	1.0	0.125	78.1	−24.0	63.8	68.2	110.6	0.625	1.0	0.125	78.0	−24.2	63.8	68.2	110.7	0.1	114	0.583	1.0	0.0	75.6	−27.5	72.9	78.0	110.6
479	Y50G_100_075$_d$	0.625	1.0	0.25	1.0	0.75	0.625	120	0.625	1.0	0.25	78.4	−23.5	49.5	54.8	115.3	0.625	1.0	0.25	78.2	−23.6	50.6	55.8	115.0	1.0	119	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3
480	Y61G_100_062$_d$	0.625	1.0	0.375	1.0	0.625	0.687	127	0.614	1.0	0.375	79.0	−22.8	36.6	43.2	121.9	0.625	1.0	0.375	78.4	−22.7	37.4	43.8	121.2	1.0	127	0.383	1.0	0.0	69.1	−36.5	58.6	69.1	121.9
481	Y76G_100_050$_d$	0.625	1.0	0.5	1.0	0.5	0.75	136	0.616	1.0	0.5	77.9	−24.4	23.3	33.8	136.2	0.625	1.0	0.5	79.5	−20.6	25.6	32.9	128.7	4.7	137	0.233	1.0	0.0	60.4	−48.8	46.7	67.6	136.2
482	G00B_100_037$_d$	0.625	1.0	0.625	1.0	0.375	0.812	150	0.625	1.0	0.625	79.1	−25.8	10.5	27.8	157.7	0.625	1.0	0.625	81.0	−17.6	14.7	22.9	140.1	9.3	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
483	G15B_100_037$_d$	0.625	1.0	0.75	1.0	0.375	0.812	169	0.625	1.0	0.743	79.8	−22.3	1.4	22.3	176.3	0.625	1.0	0.75	82.3	−14.7	4.7	15.4	162.0	8.6	168	0.0	1.0	0.316	53.7	−59.5	3.7	59.6	176.3
484	G34B_100_037$_d$	0.625	1.0	0.875	1.0	0.375	0.812	191	0.625	1.0	0.881	80.7	−15.9	−9.8	18.7	211.7	0.625	1.0	0.875	83.1	−11.9	−5.2	13.0	203.7	6.5	191	0.0	1.0	0.683	56.2	−42.4	−26.3	49.9	211.7
485	G50B_100_037$_d$	0.625	1.0	1.0	1.0	0.375	0.812	210	0.625	1.0	1.0	81.5	−10.9	−16.4	19.7	236.1	0.625	1.0	1.0	84.2	−8.8	−13.3	16.0	236.5	4.5	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1

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

1−0032430−F0

QE640−7N, Page 25/33−F

TUB-test chart QE64; hue code: H*$_d$=Y75G$_d$
colors and differences, $\Delta E^{*\prime}$

input: *rgb/cmyk* −> *rgb*$_d$
output: transfer to *cmyk*$_d$

see similar files: http://130.149.60.45/~farbmetrik/QE64/QE64.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

QE6400L

TUB registration: 20130201-QE64/QE64L0NP.PDF /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmyn6 (CMYK)

http://130.149.60.45/~farbmetrik/QE64/QE64L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 26/33

n	HIC*$_{Fd}$	*rgb*$_{\_Fd}$			*ict*$_{\_Fd}$			*h*$_{si\_F,d}$	*rgb**$_{Fd}$			*LabCh**$_{Fd}$					*rgb**'$_{Fd}$			*LabCh**'$_{Fd}$					*DE**'$_{Fd}$	*h*$_{siM,d}$	*rgb**$_{Md}$			*LabCh**$_{Md}$				
486	R00Y_075_075$_d$	0.75	0.0	0.0	0.75	0.75	0.375	390	0.75	0.0	0.0	39.9	47.9	30.9	57.0	32.8	0.75	0.0	0.0	40.4	50.6	32.9	60.4	33.0	3.4	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
487	R35Y_075_075$_d$	0.75	0.0	0.125	0.75	0.75	0.375	381	0.75	0.0	0.112	40.0	48.4	25.4	54.7	27.6	0.75	0.0	0.125	40.6	51.4	27.1	58.1	27.8	3.4	382	1.0	0.0	0.15	47.5	64.6	33.9	72.9	27.6
488	R18Y_075_075$_d$	0.75	0.0	0.25	0.75	0.75	0.375	371	0.75	0.0	0.237	40.2	49.3	18.8	52.8	20.9	0.75	0.0	0.25	40.9	52.7	19.3	56.1	20.1	3.5	371	1.0	0.0	0.316	47.7	65.7	25.1	70.4	20.9
489	R00Y_075_075$_d$	0.75	0.0	0.375	0.75	0.75	0.375	360	0.75	0.0	0.375	40.2	50.7	10.5	51.8	11.6	0.75	0.0	0.375	40.9	54.2	10.0	55.1	10.4	3.5	360	1.0	0.0	0.5	47.7	67.7	14.0	69.1	11.6
490	B65R_075_075$_d$	0.75	0.0	0.5	0.75	0.75	0.375	349	0.75	0.0	0.512	40.5	52.3	3.0	52.3	3.2	0.75	0.0	0.5	40.9	56.3	2.3	56.4	2.3	4.1	348	1.0	0.0	0.683	48.1	69.7	4.0	69.8	3.2
491	B57R_075_075$_d$	0.75	0.0	0.625	0.75	0.75	0.375	339	0.75	0.0	0.637	40.6	53.5	−2.5	53.6	357.2	0.75	0.0	0.625	41.1	58.0	−3.7	58.1	356.3	4.6	337	1.0	0.0	0.85	48.2	71.4	−3.3	71.5	357.2
492	B50R_075_075$_d$	0.75	0.0	0.75	0.75	0.75	0.375	330	0.75	0.0	0.75	40.6	54.6	−6.4	55.0	353.3	0.75	0.0	0.75	41.3	59.1	−8.4	59.7	351.8	5.0	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
493	B43R_087_087$_d$	0.75	0.0	0.875	0.875	0.875	0.437	322	0.758	0.0	0.875	42.2	60.6	−10.6	61.5	350.0	0.75	0.0	0.875	42.8	63.9	−11.5	65.0	349.7	3.5	322	0.866	0.0	1.0	45.7	69.2	−12.1	70.3	350.0
494	B38R_100_100$_d$	0.75	0.0	1.0	1.0	1.0	0.5	316	0.766	0.0	1.0	43.5	66.4	−14.5	68.0	347.6	0.75	0.0	1.0	43.1	65.9	−14.9	67.6	347.2	0.7	317	0.766	0.0	1.0	43.5	66.4	−14.5	68.0	347.6
495	R15Y_075_075$_d$	0.75	0.125	0.0	0.75	0.75	0.375	39	0.75	0.112	0.0	43.5	39.6	36.1	53.6	42.3	0.75	0.125	0.0	44.9	40.4	38.4	55.7	43.5	2.7	37	1.0	0.15	0.0	52.1	52.8	48.1	71.5	42.3
496	R00Y_075_062$_d$	0.75	0.125	0.125	0.75	0.625	0.437	390	0.75	0.125	0.125	45.9	39.9	25.7	47.5	32.8	0.75	0.125	0.125	45.6	40.2	30.5	50.5	37.2	4.8	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
497	R31Y_075_062$_d$	0.75	0.125	0.25	0.75	0.625	0.437	379	0.75	0.125	0.239	46.1	40.5	20.1	45.2	26.4	0.75	0.125	0.25	46.0	41.0	22.5	46.8	28.8	2.4	380	1.0	0.0	0.183	47.5	64.8	32.2	72.4	26.4
498	R11Y_075_062$_d$	0.75	0.125	0.375	0.75	0.625	0.437	367	0.75	0.125	0.364	46.2	41.4	13.3	43.5	17.8	0.75	0.125	0.375	46.6	42.1	13.1	44.1	17.2	0.8	367	1.0	0.0	0.383	47.7	66.3	21.3	69.6	17.8
499	B69R_075_062$_d$	0.75	0.125	0.5	0.75	0.625	0.437	353	0.75	0.125	0.51	46.3	43.0	4.7	43.3	6.2	0.75	0.125	0.5	46.8	44.1	3.8	44.3	4.9	1.5	352	1.0	0.0	0.616	48.0	68.8	7.5	69.2	6.2
500	B59R_075_062$_d$	0.75	0.125	0.625	0.75	0.625	0.437	341	0.75	0.125	0.635	46.5	44.4	−1.3	44.4	358.3	0.75	0.125	0.625	47.2	45.4	−2.7	45.5	356.5	1.8	339	1.0	0.0	0.816	48.2	71.1	−2.1	71.1	358.3
501	B50R_075_062$_d$	0.75	0.125	0.75	0.75	0.625	0.437	330	0.75	0.125	0.75	46.5	45.5	−5.3	45.8	353.3	0.75	0.125	0.75	47.4	47.2	−8.2	48.0	350.0	3.5	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
502	B42R_087_075$_d$	0.75	0.125	0.875	0.875	0.75	0.5	321	0.762	0.125	0.875	48.1	51.6	−9.4	52.4	349.6	0.75	0.125	0.875	48.7	52.7	−11.6	53.9	347.4	2.5	322	0.85	0.0	1.0	45.3	68.8	−12.5	69.9	349.6
503	B36R_100_087$_d$	0.75	0.125	1.0	1.0	0.875	0.562	314	0.766	0.125	1.0	49.4	56.9	−13.9	58.6	346.2	0.75	0.125	1.0	48.3	56.0	−15.3	58.1	344.6	2.0	315	0.733	0.0	1.0	42.8	65.0	−15.9	66.9	346.2
504	R31Y_075_075$_d$	0.75	0.25	0.0	0.75	0.75	0.375	49	0.75	0.237	0.0	48.6	28.9	42.8	51.7	55.9	0.75	0.25	0.0	51.3	28.1	45.6	53.6	58.2	3.9	48	1.0	0.316	0.0	58.9	38.6	57.1	69.0	55.9
505	R18Y_075_062$_d$	0.75	0.25	0.125	0.75	0.625	0.437	41	0.75	0.239	0.125	49.7	31.3	31.2	44.2	44.9	0.75	0.25	0.125	51.9	29.1	35.7	46.1	50.8	5.4	39	1.0	0.183	0.0	53.4	50.1	49.9	70.7	44.9
506	R00Y_075_050$_d$	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.25	51.9	31.9	20.6	38.0	32.8	0.75	0.25	0.25	53.0	29.2	26.0	39.1	41.6	6.1	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
507	R26Y_075_050$_d$	0.75	0.25	0.375	0.75	0.5	0.5	376	0.75	0.25	0.366	52.1	32.5	14.8	35.7	24.5	0.75	0.25	0.375	53.5	30.4	16.3	34.5	28.3	2.9	377	1.0	0.0	0.233	47.6	65.0	29.7	71.5	24.5
508	R00Y_075_050$_d$	0.75	0.25	0.5	0.75	0.5	0.5	360	0.75	0.25	0.5	52.1	33.8	7.0	34.5	11.6	0.75	0.25	0.5	54.1	32.4	6.8	33.1	11.9	2.3	360	1.0	0.0	0.5	47.7	67.7	14.0	69.1	11.6
509	B61R_075_050$_d$	0.75	0.25	0.625	0.75	0.5	0.5	344	0.75	0.25	0.633	52.3	35.3	−0.1	35.3	359.8	0.75	0.25	0.625	54.9	33.8	−1.0	33.8	358.2	3.1	342	1.0	0.0	0.766	48.1	70.6	−0.2	70.6	359.8
510	B50R_075_050$_d$	0.75	0.25	0.75	0.75	0.5	0.5	330	0.75	0.25	0.75	52.4	36.4	−4.2	36.6	353.3	0.75	0.25	0.75	55.1	35.4	−7.4	36.2	348.1	4.3	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
511	B40R_087_062$_d$	0.75	0.25	0.875	0.875	0.625	0.562	319	0.76	0.25	0.875	53.9	42.4	−8.3	43.2	348.8	0.75	0.25	0.875	56.1	40.5	−11.0	42.0	344.7	3.9	320	0.816	0.0	1.0	44.6	67.8	−13.3	69.1	348.8
512	B34R_100_075$_d$	0.75	0.25	1.0	1.0	0.75	0.625	311	0.762	0.25	1.0	55.3	46.6	−14.1	48.7	343.1	0.75	0.25	1.0	55.1	43.9	−14.7	46.3	341.4	2.8	311	0.683	0.0	1.0	41.9	62.2	−18.8	65.0	343.1
513	R50Y_075_075$_d$	0.75	0.375	0.0	0.75	0.75	0.375	60	0.75	0.375	0.0	54.8	16.9	50.7	53.4	71.4	0.75	0.375	0.0	58.5	14.8	53.4	55.4	74.4	5.0	59	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
514	R38Y_075_062$_d$	0.75	0.375	0.125	0.75	0.625	0.437	53	0.75	0.364	0.125	55.0	20.3	38.0	43.1	61.8	0.75	0.375	0.125	58.3	17.2	41.2	44.7	67.3	5.5	52	1.0	0.383	0.0	61.8	32.5	60.8	69.0	61.8
515	R23Y_075_050$_d$	0.75	0.375	0.25	0.75	0.5	0.5	44	0.75	0.366	0.25	55.9	22.9	26.1	34.7	48.7	0.75	0.375	0.25	59.2	18.2	30.2	35.3	58.9	7.0	42	1.0	0.233	0.0	55.3	45.8	52.2	69.5	48.7
516	R00Y_075_037$_d$	0.75	0.375	0.375	0.75	0.375	0.562	390	0.75	0.375	0.375	57.9	23.9	15.4	28.5	32.8	0.75	0.375	0.375	60.3	19.0	19.1	27.0	45.1	6.6	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
517	R18Y_075_037$_d$	0.75	0.375	0.5	0.75	0.375	0.562	371	0.75	0.375	0.493	58.1	24.6	9.4	26.4	20.9	0.75	0.375	0.5	61.1	20.6	10.1	22.9	26.0	5.0	371	1.0	0.0	0.316	47.7	65.7	25.1	70.4	20.9
518	B65R_075_037$_d$	0.75	0.375	0.625	0.75	0.375	0.562	349	0.75	0.375	0.631	58.2	26.1	1.5	26.1	3.2	0.75	0.375	0.625	61.7	22.5	0.8	22.5	2.1	5.0	348	1.0	0.0	0.683	48.1	69.7	4.0	69.8	3.2
519	B50R_075_037$_d$	0.75	0.375	0.75	0.75	0.375	0.562	330	0.75	0.375	0.75	58.3	27.3	−3.2	27.5	353.3	0.75	0.375	0.75	62.3	24.5	−6.0	25.2	346.1	5.6	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
520	B38R_087_050$_d$	0.75	0.375	0.875	0.875	0.5	0.625	316	0.758	0.375	0.875	59.7	33.2	−7.2	34.0	347.6	0.75	0.375	0.875	62.9	29.2	−9.9	30.8	341.2	5.7	317	0.766	0.0	1.0	43.5	66.4	−14.5	68.0	347.6
521	B30R_100_062$_d$	0.75	0.375	1.0	1.0	0.625	0.687	307	0.76	0.375	1.0	61.2	36.5	−13.8	39.1	339.2	0.75	0.375	1.0	61.3	33.7	−13.8	36.5	337.7	2.7	307	0.616	0.0	1.0	40.7	58.5	−22.1	62.5	339.2
522	R68Y_075_075$_d$	0.75	0.5	0.0	0.75	0.75	0.375	71	0.75	0.512	0.0	61.6	5.2	59.6	59.8	84.9	0.75	0.5	0.0	65.3	3.7	61.2	61.4	86.4	4.2	71	1.0	0.683	0.0	76.2	7.0	79.5	79.8	84.9
523	R61Y_075_062$_d$	0.75	0.5	0.125	0.75	0.625	0.437	67	0.75	0.51	0.125	62.1	7.4	47.2	47.8	81.0	0.75	0.5	0.125	65.8	4.9	48.4	48.6	84.1	4.6	67	1.0	0.616	0.0	73.2	11.8	75.6	76.6	81.0
524	R50Y_075_050$_d$	0.75	0.5	0.25	0.75	0.5	0.5	60	0.75	0.5	0.25	61.9	11.3	33.8	35.6	71.4	0.75	0.5	0.25	66.3	6.8	35.2	35.9	78.9	6.4	59	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
525	R31Y_075_037$_d$	0.75	0.5	0.375	0.75	0.375	0.562	49	0.75	0.493	0.375	62.3	14.4	21.4	25.8	55.9	0.75	0.5	0.375	67.1	8.8	23.2	24.8	69.2	7.6	48	1.0	0.316	0.0	58.9	38.6	57.1	69.0	55.9
526	R00Y_075_025$_d$	0.75	0.5	0.5	0.75	0.25	0.625	390	0.75	0.5	0.5	64.0	15.9	10.3	19.0	32.8	0.75	0.5	0.5	68.1	10.5	12.8	16.6	50.6	7.3	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
527	R00Y_075_025$_d$	0.75	0.5	0.625	0.75	0.25	0.625	360	0.75	0.5	0.625	64.1	16.9	3.5	17.2	11.6	0.75	0.5	0.625	68.9	12.4	3.9	13.0	17.6	6.6	360	1.0	0.0	0.5	47.7	67.7	14.0	69.1	11.6
528	B50R_075_025$_d$	0.75	0.5	0.75	0.75	0.25	0.625	330	0.75	0.5	0.75	64.2	18.2	−2.1	18.3	353.3	0.75	0.5	0.75	69.9	14.4	−4.0	15.0	344.2	7.1	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
529	B34R_087_037$_d$	0.75	0.5	0.875	0.875	0.375	0.687	311	0.756	0.5	0.875	65.7	23.3	−7.0	24.3	343.1	0.75	0.5	0.875	70.4	18.9	−8.4	20.7	336.0	6.6	311	0.683	0.0	1.0	41.9	62.2	−18.8	65.0	343.1
530	B25R_100_050$_d$	0.75	0.5	1.0	1.0	0.5	0.75	300	0.75	0.5	1.0	66.6	26.9	−13.1	29.9	333.9	0.75	0.5	1.0	67.0	24.7	−13.3	28.1	331.7	2.1	300	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9
531	R85Y_075_075$_d$	0.75	0.625	0.0	0.75	0.75	0.375	81	0.75	0.637	0.0	66.8	−3.0	66.1	66.2	92.6	0.75	0.625	0.0	70.9	−5.2	67.9	68.1	94.4	4.9	81	1.0	0.85	0.0	83.2	−4.0	88.2	88.3	92.6
532	R81Y_075_062$_d$	0.75	0.625	0.125	0.75	0.625	0.437	79	0.75	0.635	0.125	67.5	−1.2	54.1	54.1	91.2	0.75	0.625	0.125	71.8	−4.0	54.0	54.1	94.3	5.0	80	1.0	0.816	0.0	81.9	−1.9	86.5	86.5	91.2
533	R76Y_075_050$_d$	0.75	0.625	0.25	0.75	0.5	0.5	76	0.75	0.633	0.25	68.2	0.5	41.9	41.9	89.2	0.75	0.625	0.25	72.6	−2.5	40.3	40.4	93.6	5.5	77	1.0	0.766	0.0	79.9	1.0	83.9	83.9	89.2
534	R68Y_075_037$_d$	0.75	0.625	0.375	0.75	0.375	0.562	71	0.75	0.631	0.375	68.8	2.6	29.8	29.9	84.9	0.75	0.625	0.375	73.6	−0.7	27.1	27.1	91.5	6.4	71	1.0	0.683	0.0	76.2	7.0	79.5	79.8	84.9
535	R50Y_075_025$_d$	0.75	0.625	0.5	0.75	0.25	0.625	60	0.75	0.625	0.5	68.9	5.6	16.9	17.8	71.4	0.75	0.625	0.5	74.2	1.8	15.9	16.0	83.4	6.5	59	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
536	R00Y_075_012$_d$	0.75	0.625	0.625	0.75	0.125	0.687	390	0.75	0.625	0.625	70.0	7.9	5.1	9.5	32.8	0.75	0.625	0.625	75.2	3.9	6.3	7.4	58.1	6.7	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
537	B50R_075_012$_d$	0.75	0.625	0.75	0.75	0.125	0.687	330	0.75	0.625	0.75	70.1	9.1	−1.0	9.1	353.3	0.75	0.625	0.75	76.0	6.3	−2.3	6.7	339.6	6.6	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
538	B25R_087_025$_d$	0.75	0.625	0.875	0.875	0.25	0.75	300	0.75	0.625	0.875	71.3	13.4	−6.5	14.9	333.9	0.75	0.625	0.875	75.3	11.3	−7.4	13.5	326.7	4.6	300	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9
539	B15R_100_037$_d$	0.75	0.625	1.0	1.0	0.375	0.812	289	0.743	0.625	1.0	71.9	15.9	−13.2	20.7	320.2	0.75	0.625	1.0	73.6	14.6	−12.0	19.0	320.6	2.4	288	0.316	0.0	1.0	32.7	42.4	−35.3	55.3	320.2
540	Y00G_075_075$_d$	0.75	0.75	0.0	0.75	0.75	0.375	90	0.75	0.75	0.0	70.7	−8.9	71.3	71.9	97.1	0.75	0.75	0.0	75.0	−11.3	72.0	72.9	98.9	5.0	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
541	Y00G_075_062$_d$	0.75	0.75	0.125	0.75	0.625	0.437	90	0.75	0.75	0.125	71.5	−7.4	59.4	59.9	97.1	0.75	0.75	0.125	75.8	−10.4	57.9	58.8	100.1	5.3	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
542	Y00G_075_050$_d$	0.75	0.75	0.25	0.75	0.5	0.5	90	0.75	0.75	0.25	72.4	−5.9	47.5	47.9	97.1	0.75	0.75	0.25	76.8	−9.0	43.9	44.8	101.6	6.4	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
543	Y00G_075_037$_d$	0.75	0.75	0.375	0.75	0.375	0.562	90	0.75	0.75	0.375	73.3	−4.4	35.6	35.9	97.1	0.75	0.75	0.375	77.9	−7.1	30.3	31.1	103.3	7.5	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
544	Y00G_075_025$_d$	0.75	0.75	0.5	0.75	0.25	0.625	90	0.75	0.75	0.5	74.2	−2.9	23.7	23.9	97.1	0.75	0.75	0.5	79.0	−5.0	18.6	19.3	105.1	7.2	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
545	Y00G_075_012$_d$	0.75	0.75	0.625	0.75	0.125	0.687	90	0.75	0.75	0.625	75.1	−1.4	11.8	11.9	97.1	0.75	0.75	0.625	80.1	−2.7	8.6	9.0	107.8	6.0	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
546	NW_075$_d$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	76.0	0.0	0.0	0.0	0.0	0.75	0.75	0.75	80.8	−0.2	−0.4	0.5	237.4	4.8	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
547	B00R_087_012$_d$	0.75	0.75	0.875	0.875	0.125	0.812	270	0.75	0.75	0.875	76.9	2.9	−5.9	6.6	296.4	0.75	0.75	0.875	81.6	3.1	−5.7	6.5	298.9	4.6	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
548	B00R_100_025$_d$	0.75	0.75	1.0	1.0	0.25	0.875	270	0.75	0.75	1.0	77.9	5.8	−11.8	13.2	296.4	0.75	0.75	1.0	78.9	8.0	−10.5	13.2	307.1	2.6	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
549	Y13G_087_087$_d$	0.75	0.875	0.0	0.875	0.875	0.437	98	0.758	0.875	0.0	77.1	−14.4	77.2	78.5	100.5	0.75	0.875	0.0	80.0	−15.6	79.0	80.5	101.1	3.6	97	0.866	1.0	0.0	85.6	−16.4	88.2	89.7	100.5
550	Y15G_087_075$_d$	0.75	0.875	0.125	0.875	0.75	0.5	99	0.762	0.875	0.125	78.1	−12.7	65.6	66.8	100.9	0.75	0.875	0.125	80.9	−14.7	64.2	65.9	102.8	3.6	97	0.85	1.0	0.0	85.2	−16.9	87.4	89.1	100.9
551	Y18G_087_062$_d$	0.75	0.875	0.25	0.875	0.625	0.562	101	0.76	0.875	0.25	78.9	−11.2	53.7	54.9	101.7	0.75	0.875	0.25	81.8	−13.4	51.2	53.0	104.7	4.4	99	0.816	1.0	0.0	84.5	−17.9	86.0	87.8	101.7
552	Y23G_087_050$_d$	0.75	0.875	0.375	0.875	0.5	0.625	104	0.758	0.875	0.375	79.7	−9.6	41.8	42.9	102.9	0.75	0.875	0.375	82.6	−11.9	37.0	38.9	107.8	6.0	102	0.766	1.0	0.0	83.3	−19.2	83.7	85.9	102.9
553	Y31G_087_037$_d$	0.75	0.875	0.5	0.875	0.375	0.687	109	0.756	0.875	0.5	79.8	−8.5	29.8	31.0	106.0	0.75	0.875	0.5	83.6	−9.7	24.7	26.6	111.5	6.4	108	0.683	1.0	0.0	79.8	−22.8	79.5	82.7	106.0
554	Y50G_087_025$_d$	0.75	0.875	0.625	0.875	0.25	0.75	120	0.75	0.875	0.625	80.0	−7.8	16.5	18.2	115.3	0.75	0.875	0.625	84.3	−7.7	14.0	16.0	119.0	4.9	119	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3
555	G00B_087_012$_d$	0.75	0.875	0.75	0.875	0.125	0.812	150	0.75	0.875	0.75	80.3	−8.6	3.5	9.2	157.7	0.75	0.875	0.75	85.3	−5.4	4.5	7.0	140.0	6.0	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
556	G50B_087_012$_d$	0.75	0.875	0.875	0.875	0.125	0.812	210	0.75	0.875	0.875	81.1	−3.6	−5.4	6.5	236.1	0.75	0.875	0.875	86.2	−2.8	−3.9	4.8	234.6	5.4	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
557	G75B_100_025$_d$	0.75	0.875	1.0	1.0	0.25	0.875	240	0.75	0.875	1.0	82.3	−1.5	−11.2	11.3	262.3	0.75	0.875	1.0	84.8	0.5	−9.1	9.1	273.5	3.8	240	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3
558	Y23G_100_100$_d$	0.75	1.0	0.0	1.0	1.0	0.5	104	0.766	1.0	0.0	83.3	−19.2	83.7	85.9	102.9	0.75	1.0	0.0	82.9	−19.7	83.0	85.3	103.3	0.9	102	0.766	1.0	0.0	83.3	−19.2	83.7	85.9	102.9
559	Y26G_100_087$_d$	0.75	1.0	0.125	1.0	0.875	0.562	106	0.766	1.0	0.125	83.8	−17.9	71.8	74.0	104.0	0.75	1.0	0.125	83.6	−18.9	68.5	71.1	105.4	3.4	104	0.733	1.0	0.0	82.2	−20.5	82.1	84.6	104.0
560	Y31G_100_075$_d$	0.75	1.0	0.25	1.0	0.75	0.625	109	0.762	1.0	0.25	83.7	−17.1	59.6	62.0	106.0	0.75	1.0	0.25	84.3	−17.8	55.0	57.9	107.9	4.6	108	0.683	1.0	0.0	79.8	−22.8	79.5	82.7	106.0
561	Y38G_100_062$_d$	0.75	1.0	0.375	1.0	0.625	0.687	113	0.76	1.0	0.375	83.8	−16.0	47.3	49.9	108.7	0.75	1.0	0.375	85.2	−16.3	42.5	45.5	110.9	4.9	112	0.616	1.0	0.0	76.8	−25.7	75.6	79.9	108.7
562	Y50G_100_050$_d$	0.75	1.0	0.5	1.0	0.5	0.75	120	0.75	1.0	0.5	84.1	−15.6	33.0	36.5	115.3	0.75	1.0	0.5	85.6	−14.8	29.6	33.1	116.5	3.8	119	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3
563	Y68G_100_037$_d$	0.75	1.0	0.625	1.0	0.375	0.812	131	0.743	1.0	0.625	84.1	−15.8	20.1	25.6	128.2	0.75	1.0	0.625	86.6	−12.6	18.4	22.3	124.3	4.4	131	0.316	1.0	0.0	65.1	−42.3	53.6	68.2	128.2
564	G00B_100_025$_d$	0.75	1.0	0.75	1.0	0.25	0.875	150	0.75	1.0	0.75	84.5	−17.2	7.0	18.5	157.7	0.75	1.0	0.75	87.7	−10.1	8.7	13.3	139.0	7.9	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
565	G25B_100_025$_d$	0.75	1.0	0.875	1.0	0.25	0.875	180	0.75	1.0	0.875	85.3	−12.7	−3.0	13.1	193.5	0.75	1.0	0.875	88.6	−7.7	0.1	7.7	178.5	6.8	180	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5
566	G50B_100_025$_d$	0.75	1.0	1.0	1.0	0.25	0.875	210	0.75	1.0	1.0	86.1	−7.3	−10.9	13.1	236.1	0.75	1.0	1.0	89.3	−5.1	−7.6	9.2	235.9	5.0	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1

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

1-0032530-F0

QE640−7N, Page 26/33−F

TUB-test chart QE64; hue code: H*$_d$=Y75G$_d$
colors and differences, Δ*E**'

input: *rgb/cmyk* −> *rgb*$_d$
output: transfer to *cmyk*$_d$

see similar files: http://130.149.60.45/~farbmetrik/QE64/QE64.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

1-0032530-F0

QE6400L

http://130.149.60.45/~farbmetrik/QE64/QE64L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 27/33

n	HIC*$_{Fd}$	*rgb*$_{\_Fd}$			*ict*$_{\_Fd}$			*h*$_{si\_F,d}$	*rgb**$_{Fd}$			*LabCh**$_{Fd}$					*rgb**'$_{Fd}$			*LabCh**'$_{Fd}$					*DE**'$_{Fd}$	*h*$_{siM,d}$	*rgb**$_{Md}$			*LabCh**$_{Md}$				
567	R00Y_087_087$_d$	0.875	0.0	0.0	0.875	0.875	0.437	390	0.875	0.0	0.0	43.6	55.8	36.0	66.5	32.8	0.875	0.0	0.0	44.5	58.8	36.5	69.2	31.8	3.1	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
568	R36Y_087_087$_d$	0.875	0.0	0.125	0.875	0.875	0.437	382	0.875	0.0	0.116	43.7	56.4	30.4	64.1	28.3	0.875	0.0	0.125	44.6	59.5	30.5	66.9	27.1	3.2	382	1.0	0.0	0.133	47.4	64.5	34.7	73.2	28.3
569	R23Y_087_087$_d$	0.875	0.0	0.25	0.875	0.875	0.437	374	0.875	0.0	0.233	43.9	57.1	24.4	62.1	23.2	0.875	0.0	0.25	44.8	60.2	24.2	64.9	21.8	3.3	375	1.0	0.0	0.266	47.7	65.2	27.9	71.0	23.2
570	R08Y_087_087$_d$	0.875	0.0	0.375	0.875	0.875	0.437	365	0.875	0.0	0.364	44.0	58.4	16.8	60.8	16.0	0.875	0.0	0.375	44.9	61.7	15.9	63.7	14.4	3.5	365	1.0	0.0	0.416	47.7	66.7	19.2	69.5	16.0
571	B70R_087_087$_d$	0.875	0.0	0.5	0.875	0.875	0.437	355	0.875	0.0	0.51	44.1	60.0	8.2	60.5	7.8	0.875	0.0	0.5	45.1	63.5	7.6	63.9	6.8	3.6	354	1.0	0.0	0.583	47.9	68.6	9.4	69.2	7.8
572	B63R_087_087$_d$	0.875	0.0	0.625	0.875	0.875	0.437	346	0.875	0.0	0.641	44.3	61.5	1.1	61.5	1.0	0.875	0.0	0.625	45.3	64.8	0.7	64.8	0.6	3.5	344	1.0	0.0	0.733	48.1	70.3	1.3	70.3	1.0
573	B56R_087_087$_d$	0.875	0.0	0.75	0.875	0.875	0.437	338	0.875	0.0	0.758	44.4	62.6	−3.5	62.7	356.7	0.875	0.0	0.75	45.4	66.2	−4.4	66.3	356.1	3.8	337	1.0	0.0	0.866	48.2	71.5	−4.0	71.7	356.7
574	B50R_087_087$_d$	0.875	0.0	0.875	0.875	0.875	0.437	330	0.875	0.0	0.875	44.4	63.7	−7.4	64.1	353.3	0.875	0.0	0.875	45.5	67.6	−8.9	68.2	352.4	4.3	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
575	B44R_100_100$_d$	0.875	0.0	1.0	1.0	1.0	0.5	323	0.883	0.0	1.0	46.1	69.7	−11.7	70.7	350.4	0.875	0.0	1.0	45.9	69.4	−11.9	70.5	350.2	0.3	323	0.883	0.0	1.0	46.1	69.7	−11.7	70.7	350.4
576	R13Y_087_087$_d$	0.875	0.125	0.0	0.875	0.875	0.437	38	0.875	0.116	0.0	47.3	47.4	41.3	62.9	41.0	0.875	0.125	0.0	49.5	47.9	41.9	63.7	41.2	2.4	37	1.0	0.133	0.0	51.5	54.2	47.2	71.9	41.0
577	R00Y_087_075$_d$	0.875	0.125	0.125	0.875	0.75	0.5	390	0.875	0.125	0.125	49.6	47.9	30.9	57.0	32.8	0.875	0.125	0.125	49.7	48.3	35.1	59.7	36.0	4.2	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
578	R35Y_087_075$_d$	0.875	0.125	0.25	0.875	0.75	0.5	381	0.875	0.125	0.237	49.7	48.4	25.4	54.7	27.6	0.875	0.125	0.25	50.0	48.9	28.0	56.4	29.7	2.6	382	1.0	0.0	0.15	47.5	64.6	33.9	72.9	27.6
579	R18Y_087_075$_d$	0.875	0.125	0.375	0.875	0.75	0.5	371	0.875	0.125	0.362	49.9	49.3	18.8	52.8	20.9	0.875	0.125	0.375	50.5	50.0	18.7	53.4	20.5	0.9	371	1.0	0.0	0.316	47.7	65.7	25.1	70.4	20.9
580	R00Y_087_075$_d$	0.875	0.125	0.5	0.875	0.75	0.5	360	0.875	0.125	0.5	49.9	50.7	10.5	51.8	11.6	0.875	0.125	0.5	50.6	51.8	9.7	52.7	10.6	1.4	360	1.0	0.0	0.5	47.7	67.7	14.0	69.1	11.6
581	B65R_087_075$_d$	0.875	0.125	0.625	0.875	0.75	0.5	349	0.875	0.125	0.637	50.2	52.3	3.0	52.3	3.2	0.875	0.125	0.625	51.3	53.1	1.9	53.1	2.1	1.7	348	1.0	0.0	0.683	48.1	69.7	4.0	69.8	3.2
582	B57R_087_075$_d$	0.875	0.125	0.75	0.875	0.75	0.5	339	0.875	0.125	0.762	50.3	53.5	−2.5	53.6	357.2	0.875	0.125	0.75	51.3	54.8	−4.2	54.9	355.5	2.3	337	1.0	0.0	0.85	48.2	71.4	−3.3	71.5	357.2
583	B50R_087_075$_d$	0.875	0.125	0.875	0.875	0.75	0.5	330	0.875	0.125	0.875	50.3	54.6	−6.4	55.0	353.3	0.875	0.125	0.875	51.7	55.8	−8.9	56.5	350.8	3.1	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
584	B43R_100_087$_d$	0.875	0.125	1.0	1.0	0.875	0.562	322	0.883	0.125	1.0	51.9	60.6	−10.6	61.5	350.0	0.875	0.125	1.0	51.4	58.8	−12.3	60.1	348.1	2.5	322	0.866	0.0	1.0	45.7	69.2	−12.1	70.3	350.0
585	R26Y_087_087$_d$	0.875	0.25	0.0	0.875	0.875	0.437	46	0.875	0.233	0.0	51.8	37.6	47.3	60.4	51.5	0.875	0.25	0.0	54.6	36.3	50.0	61.8	54.0	4.0	44	1.0	0.266	0.0	56.7	43.0	54.1	69.1	51.5
586	R15Y_087_075$_d$	0.875	0.25	0.125	0.875	0.75	0.5	39	0.875	0.237	0.125	53.2	39.6	36.1	53.6	42.3	0.875	0.25	0.125	55.1	36.9	40.5	54.8	47.6	5.5	37	1.0	0.15	0.0	52.1	52.8	48.1	71.5	42.3
587	R00Y_087_062$_d$	0.875	0.25	0.25	0.875	0.625	0.562	390	0.875	0.25	0.25	55.6	39.9	25.7	47.5	32.8	0.875	0.25	0.25	56.2	36.3	31.9	48.4	41.2	7.1	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
588	R31Y_087_062$_d$	0.875	0.25	0.375	0.875	0.625	0.562	379	0.875	0.25	0.364	55.8	40.5	20.1	45.2	26.4	0.875	0.25	0.375	56.6	37.6	22.7	43.9	31.1	3.9	380	1.0	0.0	0.183	47.5	64.8	32.2	72.4	26.4
589	R11Y_087_062$_d$	0.875	0.25	0.5	0.875	0.625	0.562	367	0.875	0.25	0.489	55.9	41.4	13.3	43.5	17.8	0.875	0.25	0.5	57.1	39.0	13.1	41.2	18.5	2.6	367	1.0	0.0	0.383	47.7	66.3	21.3	69.6	17.8
590	B69R_087_062$_d$	0.875	0.25	0.625	0.875	0.625	0.562	353	0.875	0.25	0.635	56.1	43.0	4.7	43.3	6.2	0.875	0.25	0.625	57.8	40.7	4.0	40.9	5.6	2.9	352	1.0	0.0	0.616	48.0	68.8	7.5	69.2	6.2
591	B59R_087_062$_d$	0.875	0.25	0.75	0.875	0.625	0.562	341	0.875	0.25	0.76	56.2	44.4	−1.3	44.4	358.3	0.875	0.25	0.75	58.0	42.4	−2.7	42.4	356.2	3.1	339	1.0	0.0	0.816	48.2	71.1	−2.1	71.1	358.3
592	B50R_087_062$_d$	0.875	0.25	0.875	0.875	0.625	0.562	330	0.875	0.25	0.875	56.2	45.5	−5.3	45.8	353.3	0.875	0.25	0.875	58.6	43.6	−8.2	44.4	349.2	4.2	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
593	B42R_100_075$_d$	0.875	0.25	1.0	1.0	0.75	0.625	321	0.887	0.25	1.0	57.9	51.6	−9.4	52.4	349.6	0.875	0.25	1.0	58.2	47.0	−11.3	48.3	346.4	4.9	322	0.85	0.0	1.0	45.3	68.8	−12.5	69.9	349.6
594	R41Y_087_087$_d$	0.875	0.375	0.0	0.875	0.875	0.437	55	0.875	0.364	0.0	57.6	26.1	55.0	60.9	64.6	0.875	0.375	0.0	61.0	24.0	57.6	62.4	67.3	4.7	54	1.0	0.416	0.0	63.3	29.8	62.9	69.6	64.6
595	R31Y_087_075$_d$	0.875	0.375	0.125	0.875	0.75	0.5	49	0.875	0.362	0.125	58.3	28.9	42.8	51.7	55.9	0.875	0.375	0.125	61.3	24.7	46.7	52.9	62.0	6.4	48	1.0	0.316	0.0	58.9	38.6	57.1	69.0	55.9
596	R18Y_087_062$_d$	0.875	0.375	0.25	0.875	0.625	0.562	41	0.875	0.364	0.25	59.4	31.3	31.2	44.2	44.9	0.875	0.375	0.25	62.0	25.3	36.6	44.5	55.3	8.5	39	1.0	0.183	0.0	53.4	50.1	49.9	70.7	44.9
597	R00Y_087_050$_d$	0.875	0.375	0.375	0.875	0.5	0.625	390	0.875	0.375	0.375	61.6	31.9	20.6	38.0	32.8	0.875	0.375	0.375	63.1	25.8	25.8	36.5	45.0	8.2	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
598	R26Y_087_050$_d$	0.875	0.375	0.5	0.875	0.5	0.625	376	0.875	0.375	0.491	61.8	32.5	14.8	35.7	24.5	0.875	0.375	0.5	63.6	27.5	16.3	32.0	30.7	5.5	377	1.0	0.0	0.233	47.6	65.0	29.7	71.5	24.5
599	R00Y_087_050$_d$	0.875	0.375	0.625	0.875	0.5	0.625	360	0.875	0.375	0.625	61.8	33.8	7.0	34.5	11.6	0.875	0.375	0.625	64.6	28.9	7.0	29.7	13.6	5.6	360	1.0	0.0	0.5	47.7	67.7	14.0	69.1	11.6
600	B61R_087_050$_d$	0.875	0.375	0.75	0.875	0.5	0.625	344	0.875	0.375	0.758	62.1	35.3	−0.1	35.3	359.8	0.875	0.375	0.75	65.2	30.6	−0.7	30.6	358.5	5.6	342	1.0	0.0	0.766	48.1	70.6	−0.2	70.6	359.8
601	B50R_087_050$_d$	0.875	0.375	0.875	0.875	0.5	0.625	330	0.875	0.375	0.875	62.1	36.4	−4.2	36.6	353.3	0.875	0.375	0.875	65.9	31.9	−6.8	32.6	347.9	6.4	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
602	B40R_100_062$_d$	0.875	0.375	1.0	1.0	0.625	0.687	319	0.885	0.375	1.0	63.7	42.4	−8.3	43.2	348.8	0.875	0.375	1.0	64.0	36.8	−10.7	38.3	343.7	6.0	320	0.816	0.0	1.0	44.6	67.8	−13.3	69.1	348.8
603	R58Y_087_087$_d$	0.875	0.5	0.0	0.875	0.875	0.437	65	0.875	0.51	0.0	64.7	13.2	64.3	65.7	78.3	0.875	0.5	0.0	68.1	11.2	66.4	67.3	80.3	4.4	65	1.0	0.583	0.0	71.5	15.1	73.5	75.0	78.3
604	R50Y_087_075$_d$	0.875	0.5	0.125	0.875	0.75	0.5	60	0.875	0.5	0.125	64.5	16.9	50.7	53.4	71.4	0.875	0.5	0.125	68.2	12.8	53.6	55.1	76.5	6.2	59	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
605	R38Y_087_062$_d$	0.875	0.5	0.25	0.875	0.625	0.562	53	0.875	0.489	0.25	64.7	20.3	38.0	43.1	61.8	0.875	0.5	0.25	68.5	14.4	41.9	44.3	71.0	8.0	52	1.0	0.383	0.0	61.8	32.5	60.8	69.0	61.8
606	R23Y_087_050$_d$	0.875	0.5	0.375	0.875	0.5	0.625	44	0.875	0.491	0.375	65.7	22.9	26.1	34.7	48.7	0.875	0.5	0.375	69.6	15.3	30.1	33.8	63.0	9.4	42	1.0	0.233	0.0	55.3	45.8	52.2	69.5	48.7
607	R00Y_087_037$_d$	0.875	0.5	0.5	0.875	0.375	0.687	390	0.875	0.5	0.5	67.7	23.9	15.4	28.5	32.8	0.875	0.5	0.5	70.6	16.3	19.6	25.5	50.1	9.1	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
608	R18Y_087_037$_d$	0.875	0.5	0.625	0.875	0.375	0.687	371	0.875	0.5	0.618	67.8	24.6	9.4	26.4	20.9	0.875	0.5	0.625	71.4	18.1	10.4	20.8	29.8	7.5	371	1.0	0.0	0.316	47.7	65.7	25.1	70.4	20.9
609	B65R_087_037$_d$	0.875	0.5	0.75	0.875	0.375	0.687	349	0.875	0.5	0.756	67.9	26.1	1.5	26.1	3.2	0.875	0.5	0.75	72.4	19.7	1.7	19.8	5.0	7.8	348	1.0	0.0	0.683	48.1	69.7	4.0	69.8	3.2
610	B50R_087_037$_d$	0.875	0.5	0.875	0.875	0.375	0.687	330	0.875	0.5	0.875	68.0	27.3	−3.2	27.5	353.3	0.875	0.5	0.875	73.0	21.6	−5.2	22.2	346.2	7.8	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
611	B38R_100_050$_d$	0.875	0.5	1.0	1.0	0.5	0.75	316	0.883	0.5	1.0	69.4	33.2	−7.2	34.0	347.6	0.875	0.5	1.0	70.0	27.9	−9.7	29.5	340.7	5.8	317	0.766	0.0	1.0	43.5	66.4	−14.5	68.0	347.6
612	R73Y_087_087$_d$	0.875	0.625	0.0	0.875	0.875	0.437	74	0.875	0.641	0.0	70.9	2.9	71.9	72.0	87.6	0.875	0.625	0.0	73.6	2.3	72.9	72.9	88.1	2.9	75	1.0	0.733	0.0	78.5	3.3	82.2	82.3	87.6
613	R68Y_087_075$_d$	0.875	0.625	0.125	0.875	0.75	0.5	71	0.875	0.637	0.125	71.3	5.2	59.6	59.8	84.9	0.875	0.625	0.125	74.1	3.2	59.3	59.4	86.8	3.4	71	1.0	0.683	0.0	76.2	7.0	79.5	79.8	84.9
614	R61Y_087_062$_d$	0.875	0.625	0.25	0.875	0.625	0.562	67	0.875	0.635	0.25	71.8	7.4	47.2	47.8	81.0	0.875	0.625	0.25	74.7	4.4	47.2	47.4	84.6	4.2	67	1.0	0.616	0.0	73.2	11.8	75.6	76.6	81.0
615	R50Y_087_050$_d$	0.875	0.625	0.375	0.875	0.5	0.625	60	0.875	0.625	0.375	71.6	11.3	33.8	35.6	71.4	0.875	0.625	0.375	75.2	6.3	34.1	34.7	79.4	6.1	59	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
616	R31Y_087_037$_d$	0.875	0.625	0.5	0.875	0.375	0.687	49	0.875	0.618	0.5	72.0	14.4	21.4	25.8	55.9	0.875	0.625	0.5	75.7	8.7	22.5	24.1	68.8	6.9	48	1.0	0.316	0.0	58.9	38.6	57.1	69.0	55.9
617	R00Y_087_025$_d$	0.875	0.625	0.625	0.875	0.25	0.75	390	0.875	0.625	0.625	73.7	15.9	10.3	19.0	32.8	0.875	0.625	0.625	76.8	10.1	12.8	16.3	51.6	7.0	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
618	R00Y_087_025$_d$	0.875	0.625	0.75	0.875	0.25	0.75	360	0.875	0.625	0.75	73.8	16.9	3.5	17.2	11.6	0.875	0.625	0.75	77.6	12.2	3.9	12.8	17.9	6.0	360	1.0	0.0	0.5	47.7	67.7	14.0	69.1	11.6
619	B50R_087_025$_d$	0.875	0.625	0.875	0.875	0.25	0.75	330	0.875	0.625	0.875	73.9	18.2	−2.1	18.3	353.3	0.875	0.625	0.875	78.4	14.2	−3.8	14.7	344.9	6.2	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
620	B34R_100_037$_d$	0.875	0.625	1.0	1.0	0.375	0.812	311	0.881	0.625	1.0	75.4	23.3	−7.0	24.3	343.1	0.875	0.625	1.0	77.1	17.7	−8.0	19.5	335.5	5.9	311	0.683	0.0	1.0	41.9	62.2	−18.8	65.0	343.1
621	R86Y_087_087$_d$	0.875	0.75	0.0	0.875	0.875	0.437	82	0.875	0.758	0.0	75.6	−4.5	77.9	78.0	93.3	0.875	0.75	0.0	78.5	−5.6	78.9	79.1	94.1	3.3	82	1.0	0.866	0.0	83.9	−5.1	89.0	89.2	93.3
622	R85Y_087_075$_d$	0.875	0.75	0.125	0.875	0.75	0.5	81	0.875	0.762	0.125	76.6	−3.0	66.1	66.2	92.6	0.875	0.75	0.125	79.7	−5.3	65.3	65.6	94.6	3.9	81	1.0	0.85	0.0	83.2	−4.0	88.2	88.3	92.6
623	R81Y_087_062$_d$	0.875	0.75	0.25	0.875	0.625	0.562	79	0.875	0.76	0.25	77.3	−1.2	54.1	54.1	91.2	0.875	0.75	0.25	80.5	−4.3	52.5	52.7	94.7	4.7	80	1.0	0.816	0.0	81.9	−1.9	86.5	86.5	91.2
624	R76Y_087_050$_d$	0.875	0.75	0.375	0.875	0.5	0.625	76	0.875	0.758	0.375	77.9	0.5	41.9	41.9	89.2	0.875	0.75	0.375	81.3	−2.5	38.7	38.8	93.6	5.5	77	1.0	0.766	0.0	79.9	1.0	83.9	83.9	89.2
625	R68Y_087_037$_d$	0.875	0.75	0.5	0.875	0.375	0.687	71	0.875	0.756	0.5	78.5	2.6	29.8	29.9	84.9	0.875	0.75	0.5	82.2	−0.6	26.3	26.3	91.4	6.0	71	1.0	0.683	0.0	76.2	7.0	79.5	79.8	84.9
626	R50Y_087_025$_d$	0.875	0.75	0.625	0.875	0.25	0.75	60	0.875	0.75	0.625	78.6	5.6	16.9	17.8	71.4	0.875	0.75	0.625	83.0	1.6	15.7	15.8	84.0	6.0	59	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
627	R00Y_087_012$_d$	0.875	0.75	0.75	0.875	0.125	0.812	390	0.875	0.75	0.75	79.7	7.9	5.1	9.5	32.8	0.875	0.75	0.75	84.1	3.7	6.3	7.3	59.5	6.2	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
628	B50R_087_012$_d$	0.875	0.75	0.875	0.875	0.125	0.812	330	0.875	0.75	0.875	79.8	9.1	−1.0	9.1	353.3	0.875	0.75	0.875	84.8	6.0	−2.0	6.3	341.0	5.9	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
629	B25R_100_025$_d$	0.875	0.75	1.0	1.0	0.25	0.875	300	0.875	0.75	1.0	81.0	13.4	−6.5	14.9	333.9	0.875	0.75	1.0	81.8	10.6	−7.1	12.8	326.1	2.9	300	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9
630	Y00G_087_087$_d$	0.875	0.875	0.0	0.875	0.875	0.437	90	0.875	0.875	0.0	79.5	−10.4	83.2	83.8	97.1	0.875	0.875	0.0	83.0	−12.0	84.5	85.4	98.1	4.1	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
631	Y00G_087_075$_d$	0.875	0.875	0.125	0.875	0.75	0.5	90	0.875	0.875	0.125	80.4	−8.9	71.3	71.9	97.1	0.875	0.875	0.125	83.8	−11.3	69.7	70.7	99.2	4.4	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
632	Y00G_087_062$_d$	0.875	0.875	0.25	0.875	0.625	0.562	90	0.875	0.875	0.25	81.3	−7.4	59.4	59.9	97.1	0.875	0.875	0.25	84.8	−10.3	56.5	57.5	100.3	5.3	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
633	Y00G_087_050$_d$	0.875	0.875	0.375	0.875	0.5	0.625	90	0.875	0.875	0.375	82.2	−5.9	47.5	47.9	97.1	0.875	0.875	0.375	85.8	−8.7	42.1	43.0	101.7	7.0	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
634	Y00G_087_037$_d$	0.875	0.875	0.5	0.875	0.375	0.687	90	0.875	0.875	0.5	83.0	−4.4	35.6	35.9	97.1	0.875	0.875	0.5	87.0	−6.8	29.5	30.3	103.1	7.6	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
635	Y00G_087_025$_d$	0.875	0.875	0.625	0.875	0.25	0.75	90	0.875	0.875	0.625	83.9	−2.9	23.7	23.9	97.1	0.875	0.875	0.625	88.0	−4.7	18.6	19.2	104.4	6.8	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
636	Y00G_087_012$_d$	0.875	0.875	0.75	0.875	0.125	0.812	90	0.875	0.875	0.75	84.8	−1.4	11.8	11.9	97.1	0.875	0.875	0.75	88.8	−2.5	8.6	9.0	106.5	5.2	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
637	NW_087$_d$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	85.7	0.0	0.0	0.0	0.0	0.875	0.875	0.875	89.7	−0.1	−0.1	0.2	234.3	4.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
638	B00R_100_012$_d$	0.875	0.875	1.0	1.0	0.125	0.937	270	0.875	0.875	1.0	86.7	2.9	−5.9	6.6	296.4	0.875	0.875	1.0	87.9	3.1	−5.6	6.4	298.9	1.3	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
639	Y11G_100_100$_d$	0.875	1.0	0.0	1.0	1.0	0.5	97	0.883	1.0	0.0	86.0	−15.9	89.0	90.4	100.1	0.875	1.0	0.0	85.8	−16.2	88.6	90.0	100.3	0.5	96	0.883	1.0	0.0	86.0	−15.9	89.0	90.4	100.1
640	Y13G_100_087$_d$	0.875	1.0	0.125	1.0	0.875	0.562	98	0.883	1.0	0.125	86.8	−14.4	77.2	78.5	100.5	0.875	1.0	0.125	86.5	−15.6	74.4	76.0	101.8	3.0	97	0.866	1.0	0.0	85.6	−16.4	88.2	89.7	100.5
641	Y15G_100_075$_d$	0.875	1.0	0.25	1.0	0.75	0.625	99	0.887	1.0	0.25	87.8	−12.7	65.6	66.8	100.9	0.875	1.0	0.25	87.5	−14.3	61.6	63.3	103.1	4.2	97	0.85	1.0	0.0	85.2	−16.9	87.4	89.1	100.9
642	Y18G_100_062$_d$	0.875	1.0	0.375	1.0	0.625	0.687	101	0.885	1.0	0.375	88.6	−11.2	53.7	54.9	101.7	0.875	1.0	0.375	87.9	−13.2	47.9	49.7	105.4	6.1	99	0.816	1.0	0.0	84.5	−17.9	86.0	87.8	101.7
643	Y23G_100_050$_d$	0.875	1.0	0.5	1.0	0.5	0.75	104	0.883	1.0	0.5	89.4	−9.6	41.8	42.9	102.9	0.875	1.0	0.5	89.2	−11.4	35.4	37.2	107.9	6.6	102	0.766	1.0	0.0	83.3	−19.2	83.7	85.9	102.9
644	Y31G_100_037$_d$	0.875	1.0	0.625	1.0	0.375	0.812	109	0.881	1.0	0.625	89.6	−8.5	29.8	31.0	106.0	0.875	1.0	0.625	90.3	−9.4	23.8	25.6	111.5	6.0	108	0.683	1.0	0.0	79.8	−22.8	79.5	82.7	106.0
645	Y50G_100_025$_d$	0.875	1.0	0.75	1.0	0.25	0.875	120	0.875	1.0	0.75	89.8	−7.8	16.5	18.2	115.3	0.875	1.0	0.75	90.8	−7.5	13.3	15.3	119.5	3.3	119	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3
646	G00B_100_012$_d$	0.875	1.0	0.875	1.0	0.125	0.937	150	0.875	1.0	0.875	90.0	−8.6	3.5	9.2	157.7	0.875	1.0	0.875	91.7	−5.2	4.3	6.8	140.1	3.8	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
647	G50B_100_012$_d$	0.875	1.0	1.0	1.0	0.125	0.937	210	0.875	1.0	1.0	90.8	−3.6	−5.4	6.5	236.1	0.875	1.0	1.0	92.5	−2.7	−3.9	4.8	234.8	2.4	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1

Mean color difference of this page: delta *E' = *4.8***

1−0032630−F0

QE640−7N, Page 27/33−F

TUB-test chart QE64; hue code: H^*_d=$Y75G_d$
colors and differences, $\Delta E^{*\prime}$

input: *rgb/cmyk* −> *rgb*$_d$
output: transfer to *cmyk*$_d$

TUB registration: 20130201-QE64/QE64L0NP.PDF /.PS
application for measurement of offset print output, separation cmyn6 (CMYK)

TUB material: code=rha4ta

see similar files: http://130.149.60.45/~farbmetrik/QE64/QE64.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE64/QE64L0NP.PDF /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmyn6 (CMYK)

http://130.149.60.45/~farbmetrik/QE64/QE64L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 28/33

n	HIC*$_{Fd}$	*rgb*$_{\_Fd}$			*ict*$_{\_Fd}$			*h*$_{si\_F,d}$	*rgb**$_{Fd}$			*LabCh**$_{Fd}$					*rgb**'$_{Fd}$			*LabCh**'$_{Fd}$					*DE**'$_{Fd}$	*h*$_{siM,d}$	*rgb**$_{Md}$			*LabCh**$_{Md}$				
648	R00Y_100_100$_d$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	0.0	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
649	R38Y_100_100$_d$	1.0	0.0	0.125	1.0	1.0	0.5	383	1.0	0.0	0.116	47.4	64.4	35.5	73.6	28.9	1.0	0.0	0.125	47.4	64.4	35.1	73.4	28.6	0.3	383	1.0	0.0	0.116	47.4	64.4	35.5	73.6	28.9
650	R26Y_100_100$_d$	1.0	0.0	0.25	1.0	1.0	0.5	376	1.0	0.0	0.233	47.6	65.0	29.7	71.5	24.5	1.0	0.0	0.25	47.7	65.0	28.9	71.2	23.9	0.8	377	1.0	0.0	0.233	47.6	65.0	29.7	71.5	24.5
651	R13Y_100_100$_d$	1.0	0.0	0.375	1.0	1.0	0.5	368	1.0	0.0	0.366	47.7	66.1	22.3	69.7	18.6	1.0	0.0	0.375	47.7	66.1	21.8	69.6	18.2	0.4	368	1.0	0.0	0.366	47.7	66.1	22.3	69.7	18.6
652	R00Y_100_100$_d$	1.0	0.0	0.5	1.0	1.0	0.5	360	1.0	0.0	0.5	47.7	67.7	14.0	69.1	11.6	1.0	0.0	0.5	47.7	67.7	14.0	69.1	11.6	0.0	360	1.0	0.0	0.5	47.7	67.7	14.0	69.1	11.6
653	B68R_100_100$_d$	1.0	0.0	0.625	1.0	1.0	0.5	352	1.0	0.0	0.633	48.0	69.0	6.6	69.3	5.5	1.0	0.0	0.625	48.0	68.9	7.1	69.3	5.8	0.4	351	1.0	0.0	0.633	48.0	69.0	6.6	69.3	5.5
654	B61R_100_100$_d$	1.0	0.0	0.75	1.0	1.0	0.5	344	1.0	0.0	0.766	48.1	70.6	−0.2	70.6	359.8	1.0	0.0	0.75	48.1	70.4	0.3	70.4	0.3	0.6	342	1.0	0.0	0.766	48.1	70.6	−0.2	70.6	359.8
655	B55R_100_100$_d$	1.0	0.0	0.875	1.0	1.0	0.5	337	1.0	0.0	0.883	48.2	71.7	−4.6	71.8	356.3	1.0	0.0	0.875	48.2	71.6	−4.3	71.7	356.5	0.2	336	1.0	0.0	0.883	48.2	71.7	−4.6	71.8	356.3
656	B50R_100_100$_d$	1.0	0.0	1.0	1.0	1.0	0.5	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3	0.0	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
657	R11Y_100_100$_d$	1.0	0.125	0.0	1.0	1.0	0.5	37	1.0	0.116	0.0	50.9	55.5	46.4	72.3	39.9	1.0	0.125	0.0	51.2	54.9	46.7	72.1	40.4	0.7	36	1.0	0.116	0.0	50.9	55.5	46.4	72.3	39.9
658	R00Y_100_087$_d$	1.0	0.125	0.125	1.0	0.875	0.562	390	1.0	0.125	0.125	53.3	55.8	36.0	66.5	32.8	1.0	0.125	0.125	51.9	54.5	39.8	67.5	36.1	4.2	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
659	R36Y_100_087$_d$	1.0	0.125	0.25	1.0	0.875	0.562	382	1.0	0.125	0.241	53.4	56.4	30.4	64.1	28.3	1.0	0.125	0.25	52.3	54.8	32.4	63.7	30.5	2.7	382	1.0	0.0	0.133	47.4	64.5	34.7	73.2	28.3
660	R23Y_100_087$_d$	1.0	0.125	0.375	1.0	0.875	0.562	374	1.0	0.125	0.358	53.7	57.1	24.4	62.1	23.2	1.0	0.125	0.375	52.5	55.7	25.4	61.2	24.5	2.0	375	1.0	0.0	0.266	47.7	65.2	27.9	71.0	23.2
661	R08Y_100_087$_d$	1.0	0.125	0.5	1.0	0.875	0.562	365	1.0	0.125	0.489	53.7	58.4	16.8	60.8	16.0	1.0	0.125	0.5	52.6	57.3	16.6	59.6	16.1	1.5	365	1.0	0.0	0.416	47.7	66.7	19.2	69.5	16.0
662	B70R_100_087$_d$	1.0	0.125	0.625	1.0	0.875	0.562	355	1.0	0.125	0.635	53.8	60.0	8.2	60.5	7.8	1.0	0.125	0.625	53.2	58.3	8.0	58.8	7.8	1.8	354	1.0	0.0	0.583	47.9	68.6	9.4	69.2	7.8
663	B63R_100_087$_d$	1.0	0.125	0.75	1.0	0.875	0.562	346	1.0	0.125	0.766	54.0	61.5	1.1	61.5	1.0	1.0	0.125	0.75	53.3	60.0	0.9	60.0	0.9	1.6	344	1.0	0.0	0.733	48.1	70.3	1.3	70.3	1.0
664	B56R_100_087$_d$	1.0	0.125	0.875	1.0	0.875	0.562	338	1.0	0.125	0.883	54.1	62.6	−3.5	62.7	356.7	1.0	0.125	0.875	53.6	61.1	−4.1	61.2	356.0	1.7	337	1.0	0.0	0.866	48.2	71.5	−4.0	71.7	356.7
665	B50R_100_087$_d$	1.0	0.125	1.0	1.0	0.875	0.562	330	1.0	0.125	1.0	54.1	63.7	−7.4	64.1	353.3	1.0	0.125	1.0	54.0	62.0	−9.0	62.6	351.6	2.3	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
666	R23Y_100_100$_d$	1.0	0.25	0.0	1.0	1.0	0.5	44	1.0	0.233	0.0	55.3	45.8	52.2	69.5	48.7	1.0	0.25	0.0	56.0	44.4	53.0	69.1	50.0	1.7	42	1.0	0.233	0.0	55.3	45.8	52.2	69.5	48.7
667	R13Y_100_087$_d$	1.0	0.25	0.125	1.0	0.875	0.562	38	1.0	0.241	0.125	57.0	47.4	41.3	62.9	41.0	1.0	0.25	0.125	56.9	43.7	45.0	62.7	45.8	5.2	37	1.0	0.133	0.0	51.5	54.2	47.2	71.9	41.0
668	R00Y_100_075$_d$	1.0	0.25	0.25	1.0	0.75	0.625	390	1.0	0.25	0.25	59.3	47.9	30.9	57.0	32.8	1.0	0.25	0.25	57.8	43.2	36.7	56.7	40.3	7.6	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
669	R35Y_100_075$_d$	1.0	0.25	0.375	1.0	0.75	0.625	381	1.0	0.25	0.362	59.5	48.4	25.4	54.7	27.6	1.0	0.25	0.375	58.2	43.9	29.0	52.6	33.4	5.9	382	1.0	0.0	0.15	47.5	64.6	33.9	72.9	27.6
670	R18Y_100_075$_d$	1.0	0.25	0.5	1.0	0.75	0.625	371	1.0	0.25	0.487	59.6	49.3	18.8	52.8	20.9	1.0	0.25	0.5	58.5	45.1	20.1	49.5	24.0	4.4	371	1.0	0.0	0.316	47.7	65.7	25.1	70.4	20.9
671	R00Y_100_075$_d$	1.0	0.25	0.625	1.0	0.75	0.625	360	1.0	0.25	0.625	59.6	50.7	10.5	51.8	11.6	1.0	0.25	0.625	59.4	46.0	10.9	47.3	13.3	4.7	360	1.0	0.0	0.5	47.7	67.7	14.0	69.1	11.6
672	B65R_100_075$_d$	1.0	0.25	0.75	1.0	0.75	0.625	349	1.0	0.25	0.762	59.9	52.3	3.0	52.3	3.2	1.0	0.25	0.75	59.6	47.8	2.8	47.9	3.4	4.4	348	1.0	0.0	0.683	48.1	69.7	4.0	69.8	3.2
673	B57R_100_075$_d$	1.0	0.25	0.875	1.0	0.75	0.625	339	1.0	0.25	0.887	60.0	53.5	−2.5	53.6	357.2	1.0	0.25	0.875	60.3	48.9	−3.2	49.0	356.2	4.7	337	1.0	0.0	0.85	48.2	71.4	−3.3	71.5	357.2
674	B50R_100_075$_d$	1.0	0.25	1.0	1.0	0.75	0.625	330	1.0	0.25	1.0	60.0	54.6	−6.4	55.0	353.3	1.0	0.25	1.0	60.4	50.3	−8.3	51.0	350.5	4.6	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
675	R36Y_100_100$_d$	1.0	0.375	0.0	1.0	1.0	0.5	52	1.0	0.366	0.0	61.0	34.0	59.9	68.9	60.4	1.0	0.375	0.0	61.4	33.2	60.3	68.8	61.1	0.9	51	1.0	0.366	0.0	61.0	34.0	59.9	68.9	60.4
676	R26Y_100_087$_d$	1.0	0.375	0.125	1.0	0.875	0.562	46	1.0	0.358	0.125	61.5	37.6	47.3	60.4	51.5	1.0	0.375	0.125	61.6	34.2	49.9	60.5	55.5	4.2	44	1.0	0.266	0.0	56.7	43.0	54.1	69.1	51.5
677	R15Y_100_075$_d$	1.0	0.375	0.25	1.0	0.75	0.625	39	1.0	0.362	0.25	63.0	39.6	36.1	53.6	42.3	1.0	0.375	0.25	62.4	34.2	40.6	53.1	49.9	7.0	37	1.0	0.15	0.0	52.1	52.8	48.1	71.5	42.3
678	R00Y_100_062$_d$	1.0	0.375	0.375	1.0	0.625	0.687	390	1.0	0.375	0.375	65.4	39.9	25.7	47.5	32.8	1.0	0.375	0.375	63.8	33.3	31.8	46.1	43.7	9.1	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
679	R31Y_100_062$_d$	1.0	0.375	0.5	1.0	0.625	0.687	379	1.0	0.375	0.489	65.5	40.5	20.1	45.2	26.4	1.0	0.375	0.5	64.1	34.6	22.9	41.5	33.4	6.6	380	1.0	0.0	0.183	47.5	64.8	32.2	72.4	26.4
680	R11Y_100_062$_d$	1.0	0.375	0.625	1.0	0.625	0.687	367	1.0	0.375	0.614	65.6	41.4	13.3	43.5	17.8	1.0	0.375	0.625	65.1	35.3	14.0	38.0	21.7	6.1	367	1.0	0.0	0.383	47.7	66.3	21.3	69.6	17.8
681	B69R_100_062$_d$	1.0	0.375	0.75	1.0	0.625	0.687	353	1.0	0.375	0.76	65.8	43.0	4.7	43.3	6.2	1.0	0.375	0.75	65.7	37.2	4.8	37.5	7.4	5.8	352	1.0	0.0	0.616	48.0	68.8	7.5	69.2	6.2
682	B59R_100_062$_d$	1.0	0.375	0.875	1.0	0.625	0.687	341	1.0	0.375	0.885	65.9	44.4	−1.3	44.4	358.3	1.0	0.375	0.875	66.3	38.5	−2.0	38.5	357.0	5.9	339	1.0	0.0	0.816	48.2	71.1	−2.1	71.1	358.3
683	B50R_100_062$_d$	1.0	0.375	1.0	1.0	0.625	0.687	330	1.0	0.375	1.0	65.9	45.5	−5.3	45.8	353.3	1.0	0.375	1.0	66.5	40.1	−7.4	40.8	349.4	5.8	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
684	R50Y_100_100$_d$	1.0	0.5	0.0	1.0	1.0	0.5	60	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4	0.0	59	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
685	R41Y_100_087$_d$	1.0	0.5	0.125	1.0	0.875	0.562	55	1.0	0.489	0.125	67.3	26.1	55.0	60.9	64.6	1.0	0.5	0.125	67.0	23.9	55.7	60.6	66.7	2.3	54	1.0	0.416	0.0	63.3	29.8	62.9	69.6	64.6
686	R31Y_100_075$_d$	1.0	0.5	0.25	1.0	0.75	0.625	49	1.0	0.487	0.25	68.0	28.9	42.8	51.7	55.9	1.0	0.5	0.25	67.7	24.3	45.3	51.4	61.7	5.2	48	1.0	0.316	0.0	58.9	38.6	57.1	69.0	55.9
687	R18Y_100_062$_d$	1.0	0.5	0.375	1.0	0.625	0.687	41	1.0	0.489	0.375	69.2	31.3	31.2	44.2	44.9	1.0	0.5	0.375	68.5	24.9	35.7	43.5	55.0	7.7	39	1.0	0.183	0.0	53.4	50.1	49.9	70.7	44.9
688	R00Y_100_050$_d$	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.5	71.4	31.9	20.6	38.0	32.8	1.0	0.5	0.5	69.7	25.2	25.3	35.7	45.0	8.3	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
689	R26Y_100_050$_d$	1.0	0.5	0.625	1.0	0.5	0.75	376	1.0	0.5	0.616	71.5	32.5	14.8	35.7	24.5	1.0	0.5	0.625	70.6	26.3	16.0	30.8	31.2	6.3	377	1.0	0.0	0.233	47.6	65.0	29.7	71.5	24.5
690	R00Y_100_050$_d$	1.0	0.5	0.75	1.0	0.5	0.75	360	1.0	0.5	0.75	71.6	33.8	7.0	34.5	11.6	1.0	0.5	0.75	71.3	27.8	7.4	28.8	14.9	5.9	360	1.0	0.0	0.5	47.7	67.7	14.0	69.1	11.6
691	B61R_100_050$_d$	1.0	0.5	0.875	1.0	0.5	0.75	344	1.0	0.5	0.883	71.8	35.3	−0.1	35.3	359.8	1.0	0.5	0.875	71.8	29.7	−0.2	29.7	359.5	5.6	342	1.0	0.0	0.766	48.1	70.6	−0.2	70.6	359.8
692	B50R_100_050$_d$	1.0	0.5	1.0	1.0	0.5	0.75	330	1.0	0.5	1.0	71.8	36.4	−4.2	36.6	353.3	1.0	0.5	1.0	72.3	31.2	−6.6	31.9	348.0	5.6	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
693	R63Y_100_100$_d$	1.0	0.625	0.0	1.0	1.0	0.5	68	1.0	0.633	0.0	74.0	10.4	76.6	77.3	82.2	1.0	0.625	0.0	73.6	11.0	76.1	76.9	81.7	0.8	68	1.0	0.633	0.0	74.0	10.4	76.6	77.3	82.2
694	R58Y_100_087$_d$	1.0	0.625	0.125	1.0	0.875	0.562	65	1.0	0.635	0.125	74.4	13.2	64.3	65.7	78.3	1.0	0.625	0.125	74.4	11.1	64.1	65.0	80.1	2.1	65	1.0	0.583	0.0	71.5	15.1	73.5	75.0	78.3
695	R50Y_100_075$_d$	1.0	0.625	0.25	1.0	0.75	0.625	60	1.0	0.625	0.25	74.2	16.9	50.7	53.4	71.4	1.0	0.625	0.25	74.6	12.3	52.5	53.9	76.7	4.9	59	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
696	R38Y_100_062$_d$	1.0	0.625	0.375	1.0	0.625	0.687	53	1.0	0.614	0.375	74.4	20.3	38.0	43.1	61.8	1.0	0.625	0.375	75.0	13.8	40.8	43.1	71.2	7.1	52	1.0	0.383	0.0	61.8	32.5	60.8	69.0	61.8
697	R23Y_100_050$_d$	1.0	0.625	0.5	1.0	0.5	0.75	44	1.0	0.616	0.5	75.4	22.9	26.1	34.7	48.7	1.0	0.625	0.5	75.9	15.0	29.5	33.1	62.9	8.5	42	1.0	0.233	0.0	55.3	45.8	52.2	69.5	48.7
698	R00Y_100_037$_d$	1.0	0.625	0.625	1.0	0.375	0.812	390	1.0	0.625	0.625	77.4	23.9	15.4	28.5	32.8	1.0	0.625	0.625	77.3	15.8	19.5	25.1	50.9	9.0	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
699	R18Y_100_037$_d$	1.0	0.625	0.75	1.0	0.375	0.812	371	1.0	0.625	0.743	77.5	24.6	9.4	26.4	20.9	1.0	0.625	0.75	77.8	17.6	10.7	20.6	31.2	7.1	371	1.0	0.0	0.316	47.7	65.7	25.1	70.4	20.9
700	B65R_100_037$_d$	1.0	0.625	0.875	1.0	0.375	0.812	349	1.0	0.625	0.881	77.7	26.1	1.5	26.1	3.2	1.0	0.625	0.875	78.9	19.2	2.0	19.3	5.9	7.0	348	1.0	0.0	0.683	48.1	69.7	4.0	69.8	3.2
701	B50R_100_037$_d$	1.0	0.625	1.0	1.0	0.375	0.812	330	1.0	0.625	1.0	77.7	27.3	−3.2	27.5	353.3	1.0	0.625	1.0	79.4	21.1	−4.9	21.6	346.9	6.6	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
702	R76Y_100_100$_d$	1.0	0.75	0.0	1.0	1.0	0.5	76	1.0	0.766	0.0	79.9	1.0	83.9	83.9	89.2	1.0	0.75	0.0	79.2	2.0	83.0	83.1	88.5	1.4	77	1.0	0.766	0.0	79.9	1.0	83.9	83.9	89.2
703	R73Y_100_087$_d$	1.0	0.75	0.125	1.0	0.875	0.562	74	1.0	0.766	0.125	80.6	2.9	71.9	72.0	87.6	1.0	0.75	0.125	79.8	2.3	70.3	70.3	88.0	1.9	75	1.0	0.733	0.0	78.5	3.3	82.2	82.3	87.6
704	R68Y_100_075$_d$	1.0	0.75	0.25	1.0	0.75	0.625	71	1.0	0.762	0.25	81.0	5.2	59.6	59.8	84.9	1.0	0.75	0.25	80.5	3.1	57.8	57.8	86.8	2.8	71	1.0	0.683	0.0	76.2	7.0	79.5	79.8	84.9
705	R61Y_100_062$_d$	1.0	0.75	0.375	1.0	0.625	0.687	67	1.0	0.76	0.375	81.5	7.4	47.2	47.8	81.0	1.0	0.75	0.375	80.9	4.6	45.7	46.0	84.1	3.2	67	1.0	0.616	0.0	73.2	11.8	75.6	76.6	81.0
706	R50Y_100_050$_d$	1.0	0.75	0.5	1.0	0.5	0.75	60	1.0	0.75	0.5	81.3	11.3	33.8	35.6	71.4	1.0	0.75	0.5	81.6	6.5	33.0	33.6	78.8	4.8	59	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
707	R31Y_100_037$_d$	1.0	0.75	0.625	1.0	0.375	0.812	49	1.0	0.743	0.625	81.7	14.4	21.4	25.8	55.9	1.0	0.75	0.625	82.3	8.5	22.1	23.7	68.9	6.0	48	1.0	0.316	0.0	58.9	38.6	57.1	69.0	55.9
708	R00Y_100_025$_d$	1.0	0.75	0.75	1.0	0.25	0.875	390	1.0	0.75	0.75	83.4	15.9	10.3	19.0	32.8	1.0	0.75	0.75	83.2	10.0	12.6	16.2	51.5	6.3	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
709	R00Y_100_025$_d$	1.0	0.75	0.875	1.0	0.25	0.875	360	1.0	0.75	0.875	83.5	16.9	3.5	17.2	11.6	1.0	0.75	0.875	84.0	11.9	4.1	12.6	19.2	5.0	360	1.0	0.0	0.5	47.7	67.7	14.0	69.1	11.6
710	B50R_100_025$_d$	1.0	0.75	1.0	1.0	0.25	0.875	330	1.0	0.75	1.0	83.6	18.2	−2.1	18.3	353.3	1.0	0.75	1.0	84.7	13.9	−3.6	14.4	345.5	4.6	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
711	R88Y_100_100$_d$	1.0	0.875	0.0	1.0	1.0	0.5	83	1.0	0.883	0.0	84.5	−6.1	89.8	90.0	93.8	1.0	0.875	0.0	84.2	−5.7	89.4	89.6	93.6	0.6	83	1.0	0.883	0.0	84.5	−6.1	89.8	90.0	93.8
712	R86Y_100_087$_d$	1.0	0.875	0.125	1.0	0.875	0.562	82	1.0	0.883	0.125	85.3	−4.5	77.9	78.0	93.3	1.0	0.875	0.125	84.7	−5.1	75.8	76.0	93.9	2.2	82	1.0	0.866	0.0	83.9	−5.1	89.0	89.2	93.3
713	R85Y_100_075$_d$	1.0	0.875	0.25	1.0	0.75	0.625	81	1.0	0.887	0.25	86.3	−3.0	66.1	66.2	92.6	1.0	0.875	0.25	85.9	−5.0	63.4	63.6	94.5	3.4	81	1.0	0.85	0.0	83.2	−4.0	88.2	88.3	92.6
714	R81Y_100_062$_d$	1.0	0.875	0.375	1.0	0.625	0.687	79	1.0	0.885	0.375	87.0	−1.2	54.1	54.1	91.2	1.0	0.875	0.375	86.5	−3.6	50.7	50.8	94.1	4.1	80	1.0	0.816	0.0	81.9	−1.9	86.5	86.5	91.2
715	R76Y_100_050$_d$	1.0	0.875	0.5	1.0	0.5	0.75	76	1.0	0.883	0.5	87.7	0.5	41.9	41.9	89.2	1.0	0.875	0.5	87.5	−2.1	37.5	37.6	93.3	5.1	77	1.0	0.766	0.0	79.9	1.0	83.9	83.9	89.2
716	R68Y_100_037$_d$	1.0	0.875	0.625	1.0	0.375	0.812	71	1.0	0.881	0.625	88.2	2.6	29.8	29.9	84.9	1.0	0.875	0.625	88.4	−0.3	26.0	26.0	90.7	4.8	71	1.0	0.683	0.0	76.2	7.0	79.5	79.8	84.9
717	R50Y_100_025$_d$	1.0	0.875	0.75	1.0	0.25	0.875	60	1.0	0.875	0.75	88.4	5.6	16.9	17.8	71.4	1.0	0.875	0.75	89.2	1.9	15.4	15.5	82.8	4.0	59	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
718	R00Y_100_012$_d$	1.0	0.875	0.875	1.0	0.125	0.937	390	1.0	0.875	0.875	89.4	7.9	5.1	9.5	32.8	1.0	0.875	0.875	89.9	4.0	6.4	7.5	57.8	4.1	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
719	B50R_100_012$_d$	1.0	0.875	1.0	1.0	0.125	0.937	330	1.0	0.875	1.0	89.5	9.1	−1.0	9.1	353.3	1.0	0.875	1.0	90.7	6.2	−1.9	6.5	342.9	3.1	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
720	Y00G_100_100$_d$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1	0.0	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
721	Y00G_100_087$_d$	1.0	1.0	0.125	1.0	0.875	0.562	90	1.0	1.0	0.125	89.2	−10.4	83.2	83.8	97.1	1.0	1.0	0.125	89.0	−11.6	81.2	82.1	98.1	2.2	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
722	Y00G_100_075$_d$	1.0	1.0	0.25	1.0	0.75	0.625	90	1.0	1.0	0.25	90.1	−8.9	71.3	71.9	97.1	1.0	1.0	0.25	89.9	−10.9	67.7	68.6	99.1	4.0	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
723	Y00G_100_062$_d$	1.0	1.0	0.375	1.0	0.625	0.687	90	1.0	1.0	0.375	91.0	−7.4	59.4	59.9	97.1	1.0	1.0	0.375	90.6	−9.8	55.1	56.0	100.1	4.9	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
724	Y00G_100_050$_d$	1.0	1.0	0.5	1.0	0.5	0.75	90	1.0	1.0	0.5	91.9	−5.9	47.5	47.9	97.1	1.0	1.0	0.5	91.8	−8.4	41.3	42.2	101.5	6.6	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
725	Y00G_100_037$_d$	1.0	1.0	0.625	1.0	0.375	0.812	90	1.0	1.0	0.625	92.8	−4.4	35.6	35.9	97.1	1.0	1.0	0.625	92.7	−6.5	29.2	29.9	102.6	6.7	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
726	Y00G_100_025$_d$	1.0	1.0	0.75	1.0	0.25	0.875	90	1.0	1.0	0.75	93.7	−2.9	23.7	23.9	97.1	1.0	1.0	0.75	93.7	−4.5	18.4	19.0	103.8	5.5	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
727	Y00G_100_012$_d$	1.0	1.0	0.875	1.0	0.125	0.937	90	1.0	1.0	0.875	94.5	−1.4	11.8	11.9	97.1	1.0	1.0	0.875	94.8	−2.3	8.8	9.1	105.1	3.2	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
728	NW_100$_d$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
																	Mean color difference of this page:							**delta *E**' =**	***3.9***									

1−0032730−F0

QE640−7N, Page 28/33−F

TUB-test chart QE64; hue code: H*$_d$=Y75G$_d$
colors and differences, Δ*E**'

input: *rgb/cmyk* −> *rgb*$_d$
output: transfer to *cmyk*$_d$

see similar files: http://130.149.60.45/~farbmetrik/QE64/QE64.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

1−0032730−F0

TUB registration: 20130201-QE64/QE64L0NP.PDF /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmyn6 (CMYK)

http://130.149.60.45/~farbmetrik/QE64/QE64L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 29/33

n	HIC*$_{Fd}$	rgb$_{\_Fd}$			ict$_{\_Fd}$			$h_{si\_F,d}$	rgb*$_{Fd}$			LabCh*$_{Fd}$					rgb*'$_{Fd}$			LabCh*'$_{Fd}$					DE*'$_{Fd}$	$h_{siM,d}$	rgb*$_{Md}$			LabCh*$_{Md}$				
729	NW_100$_d$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.4	0.0	0.1	0.1	110.4	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
730	G50B_100_012$_d$	0.875	1.0	1.0	1.0	0.125	0.937	210	0.875	1.0	1.0	90.8	−3.6	−5.4	6.5	236.1	0.875	1.0	1.0	92.0	−3.0	−4.0	5.1	233.1	1.9	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
731	G50B_100_025$_d$	0.75	1.0	1.0	1.0	0.25	0.875	210	0.75	1.0	1.0	86.1	−7.3	−10.9	13.1	236.1	0.75	1.0	1.0	88.2	−5.9	−8.5	10.3	235.3	3.4	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
732	G50B_100_037$_d$	0.625	1.0	1.0	1.0	0.375	0.812	210	0.625	1.0	1.0	81.5	−10.9	−16.4	19.7	236.1	0.625	1.0	1.0	84.1	−8.9	−13.3	16.0	236.0	4.5	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
733	G50B_100_050$_d$	0.5	1.0	1.0	1.0	0.5	0.75	210	0.5	1.0	1.0	76.9	−14.6	−21.8	26.3	236.1	0.5	1.0	1.0	78.9	−12.7	−19.4	23.2	236.6	3.7	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
734	G50B_100_062$_d$	0.375	1.0	1.0	1.0	0.625	0.687	210	0.375	1.0	1.0	72.2	−18.3	−27.3	32.9	236.1	0.375	1.0	1.0	74.2	−16.2	−24.8	29.7	236.8	3.7	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
735	G50B_100_075$_d$	0.25	1.0	1.0	1.0	0.75	0.625	210	0.25	1.0	1.0	67.6	−21.9	−32.8	39.4	236.1	0.25	1.0	1.0	68.6	−20.4	−31.3	37.4	236.8	2.3	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
736	G50B_100_087$_d$	0.125	1.0	1.0	1.0	0.875	0.562	210	0.125	1.0	1.0	62.9	−25.6	−38.2	46.0	236.1	0.125	1.0	1.0	63.3	−24.1	−37.3	44.4	237.1	1.8	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
737	G50B_100_100$_d$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1	0.0	1.0	1.0	56.8	−28.8	−44.6	53.1	237.1	1.8	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
738	R00Y_100_012$_d$	1.0	0.875	0.875	1.0	0.125	0.937	390	1.0	0.875	0.875	89.4	7.9	5.1	9.5	32.8	1.0	0.875	0.875	89.8	3.7	7.3	8.2	63.1	4.8	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
739	NW_087$_d$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	85.7	0.0	0.0	0.0	0.0	0.875	0.875	0.875	89.4	−0.1	0.0	0.1	197.0	3.6	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
740	G50B_087_012$_d$	0.75	0.875	0.875	0.875	0.125	0.812	210	0.75	0.875	0.875	81.1	−3.6	−5.4	6.5	236.1	0.75	0.875	0.875	85.8	−3.2	−4.3	5.4	233.2	4.9	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
741	G50B_087_025$_d$	0.625	0.875	0.875	0.875	0.25	0.75	210	0.625	0.875	0.875	76.4	−7.3	−10.9	13.1	236.1	0.625	0.875	0.875	81.8	−6.2	−8.8	10.8	234.7	5.8	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
742	G50B_087_037$_d$	0.5	0.875	0.875	0.875	0.375	0.687	210	0.5	0.875	0.875	71.8	−10.9	−16.4	19.7	236.1	0.5	0.875	0.875	76.6	−10.0	−14.8	17.9	235.9	5.0	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
743	G50B_087_050$_d$	0.375	0.875	0.875	0.875	0.5	0.625	210	0.375	0.875	0.875	67.1	−14.6	−21.8	26.3	236.1	0.375	0.875	0.875	71.7	−13.8	−20.3	24.6	235.8	4.8	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
744	G50B_087_062$_d$	0.25	0.875	0.875	0.875	0.625	0.562	210	0.25	0.875	0.875	62.5	−18.3	−27.3	32.9	236.1	0.25	0.875	0.875	65.9	−18.0	−27.0	32.4	236.2	3.4	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
745	G50B_087_075$_d$	0.125	0.875	0.875	0.875	0.75	0.5	210	0.125	0.875	0.875	57.9	−21.9	−32.8	39.4	236.1	0.125	0.875	0.875	60.6	−21.9	−33.0	39.7	236.3	2.7	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
746	G50B_087_087$_d$	0.0	0.875	0.875	0.875	0.875	0.437	210	0.0	0.875	0.875	53.2	−25.6	−38.2	46.0	236.1	0.0	0.875	0.875	54.6	−27.0	−40.0	48.3	235.9	2.7	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
747	R00Y_100_025$_d$	1.0	0.75	0.75	1.0	0.25	0.875	390	1.0	0.75	0.75	83.4	15.9	10.3	19.0	32.8	1.0	0.75	0.75	82.6	10.0	14.2	17.4	54.8	7.1	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
748	R00Y_087_012$_d$	0.875	0.75	0.75	0.875	0.125	0.812	390	0.875	0.75	0.75	79.7	7.9	5.1	9.5	32.8	0.875	0.75	0.75	83.4	3.7	7.5	8.4	63.6	6.1	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
749	NW_075$_d$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	76.0	0.0	0.0	0.0	0.0	0.75	0.75	0.75	80.6	−0.2	−0.3	0.4	229.3	4.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
750	G50B_075_012$_d$	0.625	0.75	0.75	0.75	0.125	0.687	210	0.625	0.75	0.75	71.3	−3.6	−5.4	6.5	236.1	0.625	0.75	0.75	77.2	−3.4	−4.5	5.6	233.2	5.9	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
751	G50B_075_025$_d$	0.5	0.75	0.75	0.75	0.25	0.625	210	0.5	0.75	0.75	66.7	−7.3	−10.9	13.1	236.1	0.5	0.75	0.75	72.7	−6.7	−9.5	11.7	234.9	6.1	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
752	G50B_075_037$_d$	0.375	0.75	0.75	0.75	0.375	0.562	210	0.375	0.75	0.75	62.1	−10.9	−16.4	19.7	236.1	0.375	0.75	0.75	67.5	−10.6	−15.4	18.7	235.4	5.4	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
753	G50B_075_050$_d$	0.25	0.75	0.75	0.75	0.5	0.5	210	0.25	0.75	0.75	57.4	−14.6	−21.8	26.3	236.1	0.25	0.75	0.75	62.2	−14.6	−21.5	26.1	235.7	4.8	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
754	G50B_075_062$_d$	0.125	0.75	0.75	0.75	0.625	0.437	210	0.125	0.75	0.75	52.8	−18.3	−27.3	32.9	236.1	0.125	0.75	0.75	56.3	−19.1	−28.1	34.0	235.7	3.6	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
755	G50B_075_075$_d$	0.0	0.75	0.75	0.75	0.75	0.375	210	0.0	0.75	0.75	48.1	−21.9	−32.8	39.4	236.1	0.0	0.75	0.75	50.7	−24.0	−34.9	42.3	235.4	3.8	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
756	R00Y_100_037$_d$	1.0	0.625	0.625	1.0	0.375	0.812	390	1.0	0.625	0.625	77.4	23.9	15.4	28.5	32.8	1.0	0.625	0.625	76.3	16.2	21.1	26.6	52.5	9.6	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
757	R00Y_087_025$_d$	0.875	0.625	0.625	0.875	0.25	0.75	390	0.875	0.625	0.625	73.7	15.9	10.3	19.0	32.8	0.875	0.625	0.625	75.6	10.8	14.7	18.3	53.8	7.1	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
758	R00Y_075_012$_d$	0.75	0.625	0.625	0.75	0.125	0.687	390	0.75	0.625	0.625	70.0	7.9	5.1	9.5	32.8	0.75	0.625	0.625	74.6	4.1	7.3	8.4	60.6	6.3	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
759	NW_062$_d$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	66.3	0.0	0.0	0.0	0.0	0.625	0.625	0.625	73.0	−0.3	−0.3	0.4	225.7	6.7	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
760	G50B_062_012$_d$	0.5	0.625	0.625	0.625	0.125	0.562	210	0.5	0.625	0.625	61.6	−3.6	−5.4	6.5	236.1	0.5	0.625	0.625	68.5	−3.8	−5.1	6.3	233.2	6.8	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
761	G50B_062_025$_d$	0.375	0.625	0.625	0.625	0.25	0.5	210	0.375	0.625	0.625	57.0	−7.3	−10.9	13.1	236.1	0.375	0.625	0.625	63.8	−7.4	−10.5	12.9	234.7	6.8	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
762	G50B_062_037$_d$	0.25	0.625	0.625	0.625	0.375	0.437	210	0.25	0.625	0.625	52.3	−10.9	−16.4	19.7	236.1	0.25	0.625	0.625	58.5	−11.7	−16.7	20.4	234.9	6.2	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
763	G50B_062_050$_d$	0.125	0.625	0.625	0.625	0.5	0.375	210	0.125	0.625	0.625	47.7	−14.6	−21.8	26.3	236.1	0.125	0.625	0.625	52.5	−16.4	−23.4	28.6	235.0	5.3	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
764	G50B_062_062$_d$	0.0	0.625	0.625	0.625	0.625	0.312	210	0.0	0.625	0.625	43.1	−18.3	−27.3	32.9	236.1	0.0	0.625	0.625	46.6	−21.2	−30.3	37.0	234.9	5.5	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
765	R00Y_100_050$_d$	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.5	71.4	31.9	20.6	38.0	32.8	1.0	0.5	0.5	68.0	26.9	26.5	37.8	44.5	8.4	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
766	R00Y_087_037$_d$	0.875	0.5	0.5	0.875	0.375	0.687	390	0.875	0.5	0.5	67.7	23.9	15.4	28.5	32.8	0.875	0.5	0.5	68.9	17.9	21.4	27.9	50.0	8.5	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
767	R00Y_075_025$_d$	0.75	0.5	0.5	0.75	0.25	0.625	390	0.75	0.5	0.5	64.0	15.9	10.3	19.0	32.8	0.75	0.5	0.5	66.9	11.3	14.3	18.3	51.8	6.8	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
768	R00Y_062_012$_d$	0.625	0.5	0.5	0.625	0.125	0.562	390	0.625	0.5	0.5	60.2	7.9	5.1	9.5	32.8	0.625	0.5	0.5	66.0	4.8	7.1	8.6	55.4	6.8	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
769	NW_050$_d$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	56.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5	64.6	−0.3	−0.4	0.5	228.4	8.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
770	G50B_050_012$_d$	0.375	0.5	0.5	0.5	0.125	0.437	210	0.375	0.5	0.5	51.9	−3.6	−5.4	6.5	236.1	0.375	0.5	0.5	59.9	−4.0	−5.4	6.8	233.0	8.0	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
771	G50B_050_025$_d$	0.25	0.5	0.5	0.5	0.25	0.375	210	0.249	0.5	0.5	47.3	−7.3	−10.9	13.1	236.1	0.25	0.5	0.5	54.3	−8.5	−11.9	14.6	234.2	7.2	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
772	G50B_050_037$_d$	0.125	0.5	0.5	0.5	0.375	0.312	210	0.124	0.5	0.5	42.6	−10.9	−16.4	19.7	236.1	0.125	0.5	0.5	48.5	−12.9	−18.3	22.5	234.7	6.5	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
773	G50B_050_050$_d$	0.0	0.5	0.5	0.5	0.5	0.25	210	0.0	0.5	0.5	38.0	−14.6	−21.8	26.3	236.1	0.0	0.5	0.5	42.8	−17.9	−25.2	30.9	234.5	6.7	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
774	R00Y_100_062$_d$	1.0	0.375	0.375	1.0	0.625	0.687	390	1.0	0.375	0.375	65.4	39.9	25.7	47.5	32.8	1.0	0.375	0.375	61.0	36.8	32.8	49.3	41.6	8.8	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
775	R00Y_087_050$_d$	0.875	0.375	0.375	0.875	0.5	0.625	390	0.875	0.375	0.375	61.6	31.9	20.6	38.0	32.8	0.875	0.375	0.375	60.8	28.9	27.3	39.8	43.3	7.4	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
776	R00Y_075_037$_d$	0.75	0.375	0.375	0.75	0.375	0.562	390	0.75	0.375	0.375	57.9	23.9	15.4	28.5	32.8	0.75	0.375	0.375	58.9	21.1	21.1	29.8	44.9	6.3	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
777	R00Y_062_025$_d$	0.625	0.375	0.375	0.625	0.25	0.5	390	0.625	0.375	0.375	54.2	15.9	10.3	19.0	32.8	0.625	0.375	0.375	58.3	12.3	14.8	19.3	50.1	7.0	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
778	R00Y_050_012$_d$	0.5	0.375	0.375	0.5	0.125	0.437	390	0.5	0.375	0.375	50.5	7.9	5.1	9.5	32.8	0.5	0.375	0.375	56.7	5.8	7.5	9.6	52.1	6.9	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
779	NW_037$_d$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	46.8	0.0	0.0	0.0	0.0	0.375	0.375	0.375	55.8	−0.4	−0.4	0.6	227.5	9.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
780	G50B_037_012$_d$	0.25	0.375	0.375	0.375	0.125	0.312	210	0.249	0.375	0.375	42.2	−3.6	−5.4	6.5	236.1	0.25	0.375	0.375	51.0	−4.7	−6.4	8.0	233.5	8.9	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
781	G50B_037_025$_d$	0.125	0.375	0.375	0.375	0.25	0.25	210	0.124	0.375	0.375	37.5	−7.3	−10.9	13.1	236.1	0.125	0.375	0.375	44.9	−9.6	−13.2	16.4	233.9	8.0	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
782	G50B_037_037$_d$	0.0	0.375	0.375	0.375	0.375	0.187	210	0.0	0.375	0.375	32.9	−10.9	−16.4	19.7	236.1	0.0	0.375	0.375	39.4	−14.6	−20.2	24.9	234.0	8.3	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
783	R00Y_100_075$_d$	1.0	0.25	0.25	1.0	0.75	0.625	390	1.0	0.25	0.25	59.3	47.9	30.9	57.0	32.8	1.0	0.25	0.25	54.6	47.5	36.9	60.2	37.8	7.6	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
784	R00Y_087_062$_d$	0.875	0.25	0.25	0.875	0.625	0.562	390	0.875	0.25	0.25	55.6	39.9	25.7	47.5	32.8	0.875	0.25	0.25	53.3	40.8	32.8	52.3	38.7	7.5	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
785	R00Y_075_050$_d$	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.25	51.9	31.9	20.6	38.0	32.8	0.75	0.25	0.25	51.0	32.4	27.0	42.2	39.8	6.5	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
786	R00Y_062_037$_d$	0.625	0.25	0.25	0.625	0.375	0.437	390	0.625	0.25	0.25	48.2	23.9	15.4	28.5	32.8	0.625	0.25	0.25	49.8	23.2	21.3	31.5	42.6	6.1	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
787	R00Y_050_025$_d$	0.5	0.25	0.25	0.5	0.25	0.375	390	0.5	0.249	0.249	44.5	15.9	10.3	19.0	32.8	0.5	0.25	0.25	47.9	14.9	15.4	21.5	45.9	6.2	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
788	R00Y_037_012$_d$	0.375	0.25	0.25	0.375	0.125	0.312	390	0.375	0.249	0.249	40.8	7.9	5.1	9.5	32.8	0.375	0.25	0.25	47.0	7.0	8.4	10.9	49.9	7.0	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
789	NW_025$_d$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	37.1	0.0	0.0	0.0	0.0	0.25	0.25	0.25	45.9	−0.3	−0.4	0.6	230.8	8.8	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
790	G50B_025_012$_d$	0.125	0.25	0.25	0.25	0.125	0.187	210	0.124	0.25	0.25	32.5	−3.6	−5.4	6.5	236.1	0.125	0.25	0.25	39.5	−5.8	−7.9	9.8	233.3	7.8	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
791	G50B_025_025$_d$	0.0	0.25	0.25	0.25	0.25	0.125	210	0.0	0.25	0.25	27.8	−7.3	−10.9	13.1	236.1	0.0	0.25	0.25	34.4	−10.3	−14.1	17.4	233.7	7.8	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
792	R00Y_100_087$_d$	1.0	0.125	0.125	1.0	0.875	0.562	390	1.0	0.125	0.125	53.3	55.8	36.0	66.5	32.8	1.0	0.125	0.125	48.8	58.5	39.5	70.6	34.0	6.3	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
793	R00Y_087_075$_d$	0.875	0.125	0.125	0.875	0.75	0.5	390	0.875	0.125	0.125	49.6	47.9	30.9	57.0	32.8	0.875	0.125	0.125	47.0	52.0	35.8	63.2	34.5	6.9	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
794	R00Y_075_062$_d$	0.75	0.125	0.125	0.75	0.625	0.437	390	0.75	0.125	0.125	45.9	39.9	25.7	47.5	32.8	0.75	0.125	0.125	44.1	43.8	31.0	53.7	35.2	6.8	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
795	R00Y_062_050$_d$	0.625	0.125	0.125	0.625	0.5	0.375	390	0.625	0.125	0.125	42.2	31.9	20.6	38.0	32.8	0.625	0.125	0.125	42.3	35.2	26.7	44.2	37.1	6.9	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
796	R00Y_050_037$_d$	0.5	0.125	0.125	0.5	0.375	0.312	390	0.5	0.124	0.124	38.5	23.9	15.4	28.5	32.8	0.5	0.125	0.125	39.6	26.9	21.3	34.3	38.4	6.7	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
797	R00Y_037_025$_d$	0.375	0.125	0.125	0.375	0.25	0.25	390	0.375	0.124	0.124	34.8	15.9	10.3	19.0	32.8	0.375	0.125	0.125	37.9	17.3	15.7	23.4	42.2	6.3	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
798	R00Y_025_012$_d$	0.25	0.125	0.125	0.25	0.125	0.187	390	0.25	0.124	0.124	31.1	7.9	5.1	9.5	32.8	0.25	0.125	0.125	36.0	8.5	9.4	12.7	48.0	6.5	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
799	NW_012$_d$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	27.4	0.0	0.0	0.0	0.0	0.125	0.125	0.125	31.4	−0.2	−0.1	0.2	212.6	4.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
800	G50B_012_012$_d$	0.0	0.125	0.125	0.125	0.125	0.062	210	0.0	0.125	0.125	22.7	−3.6	−5.4	6.5	236.1	0.0	0.125	0.125	26.4	−5.3	−6.7	8.6	231.7	4.1	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
801	R00Y_100_100$_d$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	1.0	0.0	0.0	45.0	66.1	40.5	77.5	31.5	3.3	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
802	R00Y_087_087$_d$	0.875	0.0	0.0	0.875	0.875	0.437	390	0.875	0.0	0.0	43.6	55.8	36.0	66.5	32.8	0.875	0.0	0.0	42.5	60.9	36.6	71.1	30.9	5.2	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
803	R00Y_075_075$_d$	0.75	0.0	0.0	0.75	0.75	0.375	390	0.75	0.0	0.0	39.9	47.9	30.9	57.0	32.8	0.75	0.0	0.0	39.2	53.4	32.3	62.5	31.1	5.8	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
804	R00Y_062_062$_d$	0.625	0.0	0.0	0.625	0.625	0.312	390	0.625	0.0	0.0	36.2	39.9	25.7	47.5	32.8	0.625	0.0	0.0	36.4	45.9	27.6	53.6	31.0	6.3	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
805	R00Y_050_050$_d$	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.0	32.5	31.9	20.6	38.0	32.8	0.5	0.0	0.0	33.0	38.2	23.9	45.1	32.0	7.1	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
806	R00Y_037_037$_d$	0.375	0.0	0.0	0.375	0.375	0.187	390	0.375	0.0	0.0	28.8	23.9	15.4	28.5	32.8	0.375	0.0	0.0	30.8	28.9	20.0	35.1	34.7	7.0	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
807	R00Y_025_025$_d$	0.25	0.0	0.0	0.25	0.25	0.125	390	0.25	0.0	0.0	25.1	15.9	10.3	19.0	32.8	0.25	0.0	0.0	28.1	18.4	14.5	23.5	38.2	5.7	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
808	R00Y_012_012$_d$	0.125	0.0	0.0	0.125	0.125	0.062	390	0.125	0.0	0.0	21.4	7.9	5.1	9.5	32.8	0.125	0.0	0.0	23.6	7.7	7.1	10.5	42.9	3.0	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
809	NW_000$_d$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	17.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.8	0.0	0.4	0.4	77.0	2.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0

Mean color difference of this page: **delta $E^{*\prime}$ = *5.8***

TUB-test chart QE64; hue code: H^*_d=Y75G$_d$
colors and differences, $\Delta E^{*\prime}$

input: *rgb/cmyk* −> *rgb*$_d$
output: transfer to *cmyk*$_d$

see similar files: http://130.149.60.45/~farbmetrik/QE64/QE64.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

http://130.149.60.45/~farbmetrik/QE64/QE64L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 30/33

TUB registration: 20130201-QE64/QE64L0NP.PDF /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmyn6 (CMYK)

see similar files: http://130.149.60.45/~farbmetrik/QE64/QE64.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

n	HIC*$_{Fd}$	$rgb_{\_Fd}$			$ict_{\_Fd}$			$h_{si\_F,d}$	rgb^*_{Fd}			$LabCh^*_{Fd}$					$rgb^{*\prime}_{Fd}$			$LabCh^{*\prime}_{Fd}$					$DE^{*\prime}_{Fd}$	$h_{siM,d}$	rgb^*_{Md}			$LabCh^*_{Md}$				
810	NW_100$_d$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.5	0.0	0.0	0.0	103.6	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
811	B00R_100_012$_d$	0.875	0.875	1.0	1.0	0.125	0.937	270	0.875	0.875	1.0	86.7	2.9	−5.9	6.6	296.4	0.875	0.875	1.0	87.3	3.1	−5.9	6.7	297.6	0.7	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
812	B00R_100_025$_d$	0.75	0.75	1.0	1.0	0.25	0.875	270	0.75	0.75	1.0	77.9	5.8	−11.8	13.2	296.4	0.75	0.75	1.0	78.1	7.6	−11.5	13.8	303.7	1.8	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
813	B00R_100_037$_d$	0.625	0.625	1.0	1.0	0.375	0.812	270	0.625	0.625	1.0	69.1	8.8	−17.7	19.8	296.4	0.625	0.625	1.0	69.3	10.9	−17.1	20.3	302.6	2.2	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
814	B00R_100_050$_d$	0.5	0.5	1.0	1.0	0.5	0.75	270	0.5	0.5	1.0	60.4	11.7	−23.6	26.4	296.4	0.5	0.5	1.0	57.8	16.5	−23.8	29.0	304.7	5.4	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
815	B00R_100_062$_d$	0.375	0.375	1.0	1.0	0.625	0.687	270	0.375	0.375	1.0	51.6	14.6	−29.5	33.0	296.4	0.375	0.375	1.0	48.2	20.2	−29.9	36.1	304.0	6.4	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
816	B00R_100_075$_d$	0.25	0.25	1.0	1.0	0.75	0.625	270	0.25	0.25	1.0	42.8	17.6	−35.5	39.6	296.4	0.25	0.25	1.0	39.8	22.9	−35.5	42.2	302.8	6.1	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
817	B00R_100_087$_d$	0.125	0.125	1.0	1.0	0.875	0.562	270	0.125	0.125	1.0	34.1	20.5	−41.4	46.2	296.4	0.125	0.125	1.0	31.0	26.8	−41.1	49.1	303.1	6.9	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
818	B00R_100_100$_d$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4	0.0	0.0	1.0	24.6	25.2	−46.7	53.0	298.3	1.9	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
819	Y00G_100_012$_d$	1.0	1.0	0.875	1.0	0.125	0.937	90	1.0	1.0	0.875	94.5	−1.4	11.8	11.9	97.1	1.0	1.0	0.875	94.5	−2.6	9.6	10.0	105.1	2.4	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
820	NW_087$_d$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	85.7	0.0	0.0	0.0	0.0	0.875	0.875	0.875	89.3	−0.1	0.0	0.1	221.7	3.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
821	B00R_087_012$_d$	0.75	0.75	0.875	0.875	0.125	0.812	270	0.75	0.75	0.875	76.9	2.9	−5.9	6.6	296.4	0.75	0.75	0.875	81.3	3.0	−5.9	6.7	296.9	4.3	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
822	B00R_087_025$_d$	0.625	0.625	0.875	0.875	0.25	0.75	270	0.625	0.625	0.875	68.2	5.8	−11.8	13.2	296.4	0.625	0.625	0.875	71.3	8.0	−11.8	14.2	304.1	3.7	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
823	B00R_087_037$_d$	0.5	0.5	0.875	0.875	0.375	0.687	270	0.5	0.5	0.875	59.4	8.8	−17.7	19.8	296.4	0.5	0.5	0.875	61.0	10.8	−18.5	21.5	300.3	2.7	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
824	B00R_087_050$_d$	0.375	0.375	0.875	0.875	0.5	0.625	270	0.375	0.375	0.875	50.6	11.7	−23.6	26.4	296.4	0.375	0.375	0.875	50.7	15.9	−24.5	29.2	302.9	4.2	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
825	B00R_087_062$_d$	0.25	0.25	0.875	0.875	0.625	0.562	270	0.25	0.25	0.875	41.9	14.6	−29.5	33.0	296.4	0.25	0.25	0.875	40.6	20.0	−31.2	37.1	302.7	5.7	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
826	B00R_087_075$_d$	0.125	0.125	0.875	0.875	0.75	0.5	270	0.125	0.125	0.875	33.1	17.6	−35.5	39.6	296.4	0.125	0.125	0.875	30.9	24.7	−37.5	44.9	303.4	7.7	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
827	B00R_087_087$_d$	0.0	0.0	0.875	0.875	0.875	0.437	270	0.0	0.0	0.875	24.3	20.5	−41.4	46.2	296.4	0.0	0.0	0.875	24.1	24.1	−43.0	49.3	299.2	3.9	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
828	Y00G_100_025$_d$	1.0	1.0	0.75	1.0	0.25	0.875	90	1.0	1.0	0.75	93.7	−2.9	23.7	23.9	97.1	1.0	1.0	0.75	93.4	−4.7	19.8	20.4	103.5	4.2	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
829	Y00G_087_012$_d$	0.875	0.875	0.75	0.875	0.125	0.812	90	0.875	0.875	0.75	84.8	−1.4	11.8	11.9	97.1	0.875	0.875	0.75	88.3	−2.7	9.9	10.3	105.6	4.2	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
830	NW_075$_d$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	76.0	0.0	0.0	0.0	0.0	0.75	0.75	0.75	80.6	−0.2	−0.2	0.3	226.5	4.6	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
831	B00R_075_012$_d$	0.625	0.625	0.75	0.75	0.125	0.687	270	0.625	0.625	0.75	67.2	2.9	−5.9	6.6	296.4	0.625	0.625	0.75	72.4	3.2	−6.3	7.0	297.0	5.2	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
832	B00R_075_025$_d$	0.5	0.5	0.75	0.75	0.25	0.625	270	0.5	0.5	0.75	58.4	5.8	−11.8	13.2	296.4	0.5	0.5	0.75	61.9	7.6	−12.2	14.4	301.8	3.9	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
833	B00R_075_037$_d$	0.375	0.375	0.75	0.75	0.375	0.562	270	0.375	0.375	0.75	49.7	8.8	−17.7	19.8	296.4	0.375	0.375	0.75	51.3	12.0	−18.9	22.4	302.3	3.7	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
834	B00R_075_050$_d$	0.25	0.25	0.75	0.75	0.5	0.5	270	0.25	0.25	0.75	40.9	11.7	−23.6	26.4	296.4	0.25	0.25	0.75	41.0	16.5	−25.3	30.2	303.1	5.0	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
835	B00R_075_062$_d$	0.125	0.125	0.75	0.75	0.625	0.437	270	0.125	0.125	0.75	32.1	14.6	−29.5	33.0	296.4	0.125	0.125	0.75	30.7	21.2	−32.0	38.4	303.4	7.1	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
836	B00R_075_075$_d$	0.0	0.0	0.75	0.75	0.75	0.375	270	0.0	0.0	0.75	23.4	17.6	−35.5	39.6	296.4	0.0	0.0	0.75	22.9	23.0	−37.8	44.3	301.2	5.8	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
837	Y00G_100_037$_d$	1.0	1.0	0.625	1.0	0.375	0.812	90	1.0	1.0	0.625	92.8	−4.4	35.6	35.9	97.1	1.0	1.0	0.625	92.4	−6.8	31.3	32.0	102.2	4.9	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
838	Y00G_087_025$_d$	0.875	0.875	0.625	0.875	0.25	0.75	90	0.875	0.875	0.625	83.9	−2.9	23.7	23.9	97.1	0.875	0.875	0.625	87.4	−5.1	20.9	21.5	103.7	4.9	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
839	Y00G_075_012$_d$	0.75	0.75	0.625	0.75	0.125	0.687	90	0.75	0.75	0.625	75.1	−1.4	11.8	11.9	97.1	0.75	0.75	0.625	79.9	−2.9	9.9	10.3	106.4	5.3	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
840	NW_062$_d$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	66.3	0.0	0.0	0.0	0.0	0.625	0.625	0.625	73.1	−0.3	−0.3	0.4	227.4	6.8	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
841	B00R_062_012$_d$	0.5	0.5	0.625	0.625	0.125	0.562	270	0.5	0.5	0.625	57.5	2.9	−5.9	6.6	296.4	0.5	0.5	0.625	63.5	3.3	−6.7	7.5	296.6	6.0	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
842	B00R_062_025$_d$	0.375	0.375	0.625	0.625	0.25	0.5	270	0.375	0.375	0.625	48.7	5.8	−11.8	13.2	296.4	0.375	0.375	0.625	53.2	7.4	−12.9	14.9	300.0	4.9	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
843	B00R_062_037$_d$	0.25	0.25	0.625	0.625	0.375	0.437	270	0.25	0.25	0.625	40.0	8.8	−17.7	19.8	296.4	0.25	0.25	0.625	42.4	12.3	−19.6	23.1	302.1	4.6	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
844	B00R_062_050$_d$	0.125	0.125	0.625	0.625	0.5	0.375	270	0.125	0.125	0.625	31.2	11.7	−23.6	26.4	296.4	0.125	0.125	0.625	31.3	17.4	−26.7	31.9	303.1	6.5	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
845	B00R_062_062$_d$	0.0	0.0	0.625	0.625	0.625	0.312	270	0.0	0.0	0.625	22.4	14.6	−29.5	33.0	296.4	0.0	0.0	0.625	22.1	20.7	−33.4	39.3	301.7	7.2	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
846	Y00G_100_050$_d$	1.0	1.0	0.5	1.0	0.5	0.75	90	1.0	1.0	0.5	91.9	−5.9	47.5	47.9	97.1	1.0	1.0	0.5	91.4	−8.5	43.3	44.2	101.1	4.9	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
847	Y00G_087_037$_d$	0.875	0.875	0.5	0.875	0.375	0.687	90	0.875	0.875	0.5	83.0	−4.4	35.6	35.9	97.1	0.875	0.875	0.5	86.3	−7.0	32.3	33.1	102.3	5.3	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
848	Y00G_075_025$_d$	0.75	0.75	0.5	0.75	0.25	0.625	90	0.75	0.75	0.5	74.2	−2.9	23.7	23.9	97.1	0.75	0.75	0.5	78.9	−5.2	21.2	21.8	103.9	5.7	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
849	Y00G_062_012$_d$	0.625	0.625	0.5	0.625	0.125	0.562	90	0.625	0.625	0.5	65.4	−1.4	11.8	11.9	97.1	0.625	0.625	0.5	72.3	−3.0	10.1	10.6	106.8	7.3	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
850	NW_050$_d$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	56.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5	64.4	−0.3	−0.4	0.5	227.7	7.9	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
851	B00R_050_012$_d$	0.375	0.375	0.5	0.5	0.125	0.437	270	0.375	0.375	0.5	47.8	2.9	−5.9	6.6	296.4	0.375	0.375	0.5	54.0	4.1	−7.2	8.3	299.7	6.5	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
852	B00R_050_025$_d$	0.25	0.25	0.5	0.5	0.25	0.375	270	0.249	0.249	0.5	39.0	5.8	−11.8	13.2	296.4	0.25	0.25	0.5	43.2	8.1	−14.2	16.4	299.8	5.3	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
853	B00R_050_037$_d$	0.125	0.125	0.5	0.5	0.375	0.312	270	0.124	0.124	0.5	30.2	8.8	−17.7	19.8	296.4	0.125	0.125	0.5	31.5	14.1	−21.3	25.6	303.5	6.5	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
854	B00R_050_050$_d$	0.0	0.0	0.5	0.5	0.5	0.25	270	0.0	0.0	0.5	21.5	11.7	−23.6	26.4	296.4	0.0	0.0	0.5	21.7	18.4	−27.7	33.3	303.5	7.8	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
855	Y00G_100_062$_d$	1.0	1.0	0.375	1.0	0.625	0.687	90	1.0	1.0	0.375	91.0	−7.4	59.4	59.9	97.1	1.0	1.0	0.375	90.3	−9.7	56.3	57.1	99.8	3.9	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
856	Y00G_087_050$_d$	0.875	0.875	0.375	0.875	0.5	0.625	90	0.875	0.875	0.375	82.2	−5.9	47.5	47.9	97.1	0.875	0.875	0.375	85.4	−8.7	45.2	46.0	100.9	4.8	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
857	Y00G_075_037$_d$	0.75	0.75	0.375	0.75	0.375	0.562	90	0.75	0.75	0.375	73.3	−4.4	35.6	35.9	97.1	0.75	0.75	0.375	78.0	−7.3	33.6	34.4	102.3	5.8	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
858	Y00G_062_025$_d$	0.625	0.625	0.375	0.625	0.25	0.5	90	0.625	0.625	0.375	64.5	−2.9	23.7	23.9	97.1	0.625	0.625	0.375	71.2	−5.5	22.2	22.9	104.0	7.3	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
859	Y00G_050_012$_d$	0.5	0.5	0.375	0.5	0.125	0.437	90	0.5	0.5	0.375	55.7	−1.4	11.8	11.9	97.1	0.5	0.5	0.375	63.7	−3.3	10.9	11.4	107.1	8.3	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
860	NW_037$_d$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	46.8	0.0	0.0	0.0	0.0	0.375	0.375	0.375	56.4	−0.4	−0.5	0.6	232.7	9.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
861	B00R_037_012$_d$	0.25	0.25	0.375	0.375	0.125	0.312	270	0.249	0.249	0.375	38.1	2.9	−5.9	6.6	296.4	0.25	0.25	0.375	44.6	4.6	−8.0	9.2	300.2	7.1	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
862	B00R_037_025$_d$	0.125	0.125	0.375	0.375	0.25	0.25	270	0.124	0.124	0.375	29.3	5.8	−11.8	13.2	296.4	0.125	0.125	0.375	33.4	9.3	−15.2	17.8	301.4	6.3	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
863	B00R_037_037$_d$	0.0	0.0	0.375	0.375	0.375	0.187	270	0.0	0.0	0.375	20.5	8.8	−17.7	19.8	296.4	0.0	0.0	0.375	22.2	15.1	−22.2	26.9	304.1	7.9	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
864	Y00G_100_075$_d$	1.0	1.0	0.25	1.0	0.75	0.625	90	1.0	1.0	0.25	90.1	−8.9	71.3	71.9	97.1	1.0	1.0	0.25	89.5	−10.5	68.6	69.4	98.7	3.2	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
865	Y00G_087_062$_d$	0.875	0.875	0.25	0.875	0.625	0.562	90	0.875	0.875	0.25	81.3	−7.4	59.4	59.9	97.1	0.875	0.875	0.25	84.3	−9.9	59.1	60.0	99.5	3.9	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
866	Y00G_075_050$_d$	0.75	0.75	0.25	0.75	0.5	0.5	90	0.75	0.75	0.25	72.4	−5.9	47.5	47.9	97.1	0.75	0.75	0.25	76.8	−8.9	47.6	48.5	100.6	5.3	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
867	Y00G_062_037$_d$	0.625	0.625	0.25	0.625	0.375	0.437	90	0.625	0.625	0.25	63.6	−4.4	35.6	35.9	97.1	0.625	0.625	0.25	69.9	−7.5	35.4	36.2	102.0	7.0	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
868	Y00G_050_025$_d$	0.5	0.5	0.25	0.5	0.25	0.375	90	0.5	0.5	0.249	54.8	−2.9	23.7	23.9	97.1	0.5	0.5	0.25	62.3	−5.8	23.7	24.4	103.9	8.0	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
869	Y00G_037_012$_d$	0.375	0.375	0.25	0.375	0.125	0.312	90	0.375	0.375	0.249	45.9	−1.4	11.8	11.9	97.1	0.375	0.375	0.25	55.0	−3.6	12.2	12.7	106.7	9.2	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
870	NW_025$_d$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	37.1	0.0	0.0	0.0	0.0	0.25	0.25	0.25	46.2	−0.3	−0.5	0.6	234.5	9.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
871	B00R_025_012$_d$	0.125	0.125	0.25	0.25	0.125	0.187	270	0.124	0.124	0.25	28.3	2.9	−5.9	6.6	296.4	0.125	0.125	0.25	33.0	4.9	−9.2	10.4	298.0	6.0	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
872	B00R_025_025$_d$	0.0	0.0	0.25	0.25	0.25	0.125	270	0.0	0.0	0.25	19.6	5.8	−11.8	13.2	296.4	0.0	0.0	0.25	22.6	10.9	−15.3	18.8	305.6	6.8	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
873	Y00G_100_087$_d$	1.0	1.0	0.125	1.0	0.875	0.562	90	1.0	1.0	0.125	89.2	−10.4	83.2	83.8	97.1	1.0	1.0	0.125	88.7	−11.1	81.0	81.8	97.8	2.3	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
874	Y00G_087_075$_d$	0.875	0.875	0.125	0.875	0.75	0.5	90	0.875	0.875	0.125	80.4	−8.9	71.3	71.9	97.1	0.875	0.875	0.125	83.5	−10.7	71.8	72.6	98.5	3.5	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
875	Y00G_075_062$_d$	0.75	0.75	0.125	0.75	0.625	0.437	90	0.75	0.75	0.125	71.5	−7.4	59.4	59.9	97.1	0.75	0.75	0.125	76.1	−9.9	60.2	61.0	99.3	5.2	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
876	Y00G_062_050$_d$	0.625	0.625	0.125	0.625	0.5	0.375	90	0.625	0.625	0.125	62.7	−5.9	47.5	47.9	97.1	0.625	0.625	0.125	68.8	−9.0	49.6	50.4	100.3	7.1	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
877	Y00G_050_037$_d$	0.5	0.5	0.125	0.5	0.375	0.312	90	0.5	0.5	0.124	53.9	−4.4	35.6	35.9	97.1	0.5	0.5	0.125	61.2	−7.8	38.2	39.0	101.5	8.4	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
878	Y00G_037_025$_d$	0.375	0.375	0.125	0.375	0.25	0.25	90	0.375	0.375	0.124	45.0	−2.9	23.7	23.9	97.1	0.375	0.375	0.125	53.9	−6.2	26.3	27.1	103.2	9.7	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
879	Y00G_025_012$_d$	0.25	0.25	0.125	0.25	0.125	0.187	90	0.25	0.25	0.124	36.2	−1.4	11.8	11.9	97.1	0.25	0.25	0.125	44.8	−4.0	14.1	14.7	105.9	9.2	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
880	NW_012$_d$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	27.4	0.0	0.0	0.0	0.0	0.125	0.125	0.125	31.9	−0.1	−0.1	0.2	218.3	4.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
881	B00R_012_012$_d$	0.0	0.0	0.125	0.125	0.125	0.062	270	0.0	0.0	0.125	18.6	2.9	−5.9	6.6	296.4	0.0	0.0	0.125	21.1	5.2	−7.3	9.0	305.5	3.7	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
882	Y00G_100_100$_d$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1	1.0	1.0	0.0	87.9	−11.4	94.4	95.1	96.9	0.9	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
883	Y00G_087_087$_d$	0.875	0.875	0.0	0.875	0.875	0.437	90	0.875	0.875	0.0	79.5	−10.4	83.2	83.8	97.1	0.875	0.875	0.0	82.3	−11.2	84.8	85.5	97.5	3.3	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
884	Y00G_075_075$_d$	0.75	0.75	0.0	0.75	0.75	0.375	90	0.75	0.75	0.0	70.7	−8.9	71.3	71.9	97.1	0.75	0.75	0.0	74.9	−10.7	73.9	74.7	98.2	5.2	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
885	Y00G_062_062$_d$	0.625	0.625	0.0	0.625	0.625	0.312	90	0.625	0.625	0.0	61.8	−7.4	59.4	59.9	97.1	0.625	0.625	0.0	67.4	−9.9	62.9	63.7	98.9	7.0	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
886	Y00G_050_050$_d$	0.5	0.5	0.0	0.5	0.5	0.25	90	0.5	0.5	0.0	53.0	−5.9	47.5	47.9	97.1	0.5	0.5	0.0	60.1	−9.0	51.5	52.3	99.9	8.7	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
887	Y00G_037_037$_d$	0.375	0.375	0.0	0.375	0.375	0.187	90	0.375	0.375	0.0	44.2	−4.4	35.6	35.9	97.1	0.375	0.375	0.0	52.3	−7.7	39.3	40.1	101.1	9.5	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
888	Y00G_025_025$_d$	0.25	0.25	0.0	0.25	0.25	0.125	90	0.25	0.25	0.0	35.3	−2.9	23.7	23.9	97.1	0.25	0.25	0.0	43.4	−6.0	26.1	26.8	103.0	8.9	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
889	Y00G_012_012$_d$	0.125	0.125	0.0	0.125	0.125	0.062	90	0.125	0.125	0.0	26.5	−1.4	11.8	11.9	97.1	0.125	0.125	0.0	30.3	−3.2	11.0	11.5	106.5	4.2	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
890	NW_000$_d$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	17.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.9	0.1	0.4	0.4	75.8	2.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0

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

1-0032930-F0

QE640-7N, Page 30/33-F

TUB-test chart QE64; hue code: H*$_d$=Y75G$_d$
colors and differences, $\Delta E^{*\prime}$

input: *rgb/cmyk* −> *rgb*$_d$
output: transfer to *cmyk*$_d$

QE6400L

http://130.149.60.45/~farbmetrik/QE64/QE64L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 31/33

n	HIC*$_{Fd}$	rgb$_{\_Fd}$			ict$_{\_Fd}$			h$_{si\_F,d}$	rgb*$_{Fd}$			LabCh*$_{Fd}$					rgb*'$_{Fd}$			LabCh*'$_{Fd}$					DE*'$_{Fd}$	h$_{siM,d}$	rgb*$_{Md}$			LabCh*$_{Md}$				
891	NW_100$_{d}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	139.6	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
892	B50R_100_012$_{d}$	1.0	0.875	1.0	1.0	0.125	0.937	330	1.0	0.875	1.0	89.5	9.1	−1.0	9.1	353.3	1.0	0.875	1.0	90.7	6.1	−1.9	6.4	342.7	3.2	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
893	B50R_100_025$_{d}$	1.0	0.75	1.0	1.0	0.25	0.875	330	1.0	0.75	1.0	83.6	18.2	−2.1	18.3	353.3	1.0	0.75	1.0	84.8	13.8	−3.6	14.3	345.3	4.7	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
894	B50R_100_037$_{d}$	1.0	0.625	1.0	1.0	0.375	0.812	330	1.0	0.625	1.0	77.7	27.3	−3.2	27.5	353.3	1.0	0.625	1.0	79.2	21.3	−4.9	21.9	346.8	6.3	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
895	B50R_100_050$_{d}$	1.0	0.5	1.0	1.0	0.5	0.75	330	1.0	0.5	1.0	71.8	36.4	−4.2	36.6	353.3	1.0	0.5	1.0	71.3	32.5	−6.6	33.2	348.3	4.5	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
896	B50R_100_062$_{d}$	1.0	0.375	1.0	1.0	0.625	0.687	330	1.0	0.375	1.0	65.9	45.5	−5.3	45.8	353.3	1.0	0.375	1.0	64.8	42.4	−7.4	43.0	350.0	3.9	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
897	B50R_100_075$_{d}$	1.0	0.25	1.0	1.0	0.75	0.625	330	1.0	0.25	1.0	60.0	54.6	−6.4	55.0	353.3	1.0	0.25	1.0	58.5	52.9	−7.7	53.5	351.7	2.6	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
898	B50R_100_087$_{d}$	1.0	0.125	1.0	1.0	0.875	0.562	330	1.0	0.125	1.0	54.1	63.7	−7.4	64.1	353.3	1.0	0.125	1.0	51.7	64.8	−7.5	65.3	353.3	2.6	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
899	B50R_100_100$_{d}$	1.0	0.0	1.0	1.0	1.0	0.5	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3	1.0	0.0	1.0	46.6	74.0	−5.9	74.2	355.3	3.2	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
900	G00B_100_012$_{d}$	0.875	1.0	0.875	1.0	0.125	0.937	150	0.875	1.0	0.875	90.0	−8.6	3.5	9.2	157.7	0.875	1.0	0.875	91.1	−5.7	5.3	7.8	136.8	3.5	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
901	NW_087$_{d}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	85.7	0.0	0.0	0.0	0.0	0.875	0.875	0.875	89.4	0.0	−0.1	0.1	227.1	3.6	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
902	B50R_087_012$_{d}$	0.875	0.75	0.875	0.875	0.125	0.812	330	0.875	0.75	0.875	79.8	9.1	−1.0	9.1	353.3	0.875	0.75	0.875	84.8	6.1	−2.0	6.4	341.8	5.9	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
903	B50R_087_025$_{d}$	0.875	0.625	0.875	0.875	0.25	0.75	330	0.875	0.625	0.875	73.9	18.2	−2.1	18.3	353.3	0.875	0.625	0.875	78.1	14.6	−3.8	15.1	345.1	5.7	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
904	B50R_087_037$_{d}$	0.875	0.5	0.875	0.875	0.375	0.687	330	0.875	0.5	0.875	68.0	27.3	−3.2	27.5	353.3	0.875	0.5	0.875	72.1	22.8	−5.3	23.4	346.8	6.4	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
905	B50R_087_050$_{d}$	0.875	0.375	0.875	0.875	0.5	0.625	330	0.875	0.375	0.875	62.1	36.4	−4.2	36.6	353.3	0.875	0.375	0.875	64.3	33.9	−6.8	34.6	348.5	4.2	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
906	B50R_087_062$_{d}$	0.875	0.25	0.875	0.875	0.625	0.562	330	0.875	0.25	0.875	56.2	45.5	−5.3	45.8	353.3	0.875	0.25	0.875	56.7	46.0	−7.7	46.7	350.4	2.5	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
907	B50R_087_075$_{d}$	0.875	0.125	0.875	0.875	0.75	0.5	330	0.875	0.125	0.875	50.3	54.6	−6.4	55.0	353.3	0.875	0.125	0.875	49.8	57.9	−7.7	58.5	352.3	3.6	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
908	B50R_087_087$_{d}$	0.875	0.0	0.875	0.875	0.875	0.437	330	0.875	0.0	0.875	44.4	63.7	−7.4	64.1	353.3	0.875	0.0	0.875	44.0	68.6	−6.7	69.0	354.3	5.0	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
909	G00B_100_025$_{d}$	0.75	1.0	0.75	1.0	0.25	0.875	150	0.75	1.0	0.75	84.5	−17.2	7.0	18.5	157.7	0.75	1.0	0.75	86.4	−11.2	10.5	15.4	136.9	7.1	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
910	G00B_087_012$_{d}$	0.75	0.875	0.75	0.875	0.125	0.812	150	0.75	0.875	0.75	80.3	−8.6	3.5	9.2	157.7	0.75	0.875	0.75	84.9	−6.1	5.4	8.1	138.5	5.6	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
911	NW_075$_{d}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	76.0	0.0	0.0	0.0	0.0	0.75	0.75	0.75	81.3	−0.2	−0.2	0.3	228.2	5.3	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
912	B50R_075_012$_{d}$	0.75	0.625	0.75	0.75	0.125	0.687	330	0.75	0.625	0.75	70.1	9.1	−1.0	9.1	353.3	0.75	0.625	0.75	75.8	6.5	−2.3	6.9	340.3	6.3	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
913	B50R_075_025$_{d}$	0.75	0.5	0.75	0.75	0.25	0.625	330	0.75	0.5	0.75	64.2	18.2	−2.1	18.3	353.3	0.75	0.5	0.75	69.1	15.2	−4.2	15.8	344.5	6.0	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
914	B50R_075_037$_{d}$	0.75	0.375	0.75	0.75	0.375	0.562	330	0.75	0.375	0.75	58.3	27.3	−3.2	27.5	353.3	0.75	0.375	0.75	61.9	25.3	−5.9	26.0	346.8	4.9	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
915	B50R_075_050$_{d}$	0.75	0.25	0.75	0.75	0.5	0.5	330	0.75	0.25	0.75	52.4	36.4	−4.2	36.6	353.3	0.75	0.25	0.75	54.0	37.0	−7.1	37.7	349.1	3.3	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
916	B50R_075_062$_{d}$	0.75	0.125	0.75	0.75	0.625	0.437	330	0.75	0.125	0.75	46.5	45.5	−5.3	45.8	353.3	0.75	0.125	0.75	46.8	48.8	−7.4	49.4	351.3	3.9	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
917	B50R_075_075$_{d}$	0.75	0.0	0.75	0.75	0.75	0.375	330	0.75	0.0	0.75	40.6	54.6	−6.4	55.0	353.3	0.75	0.0	0.75	40.6	60.5	−7.1	60.9	353.2	5.9	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
918	G00B_100_037$_{d}$	0.625	1.0	0.625	1.0	0.375	0.812	150	0.625	1.0	0.625	79.1	−25.8	10.5	27.8	157.7	0.625	1.0	0.625	80.8	−17.7	15.6	23.6	138.5	9.7	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
919	G00B_087_025$_{d}$	0.625	0.875	0.625	0.875	0.25	0.75	150	0.625	0.875	0.625	74.8	−17.2	7.0	18.5	157.7	0.625	0.875	0.625	79.8	−12.1	10.8	16.2	138.3	7.9	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
920	G00B_075_012$_{d}$	0.625	0.75	0.625	0.75	0.125	0.687	150	0.625	0.75	0.625	70.5	−8.6	3.5	9.2	157.7	0.625	0.75	0.625	76.5	−6.3	5.3	8.2	140.0	6.6	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
921	NW_062$_{d}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	66.3	0.0	0.0	0.0	0.0	0.625	0.625	0.625	73.3	−0.3	−0.3	0.5	231.8	7.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
922	B50R_062_012$_{d}$	0.625	0.5	0.625	0.625	0.125	0.562	330	0.625	0.5	0.625	60.4	9.1	−1.0	9.1	353.3	0.625	0.5	0.625	67.3	7.3	−2.6	7.7	339.9	7.3	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
923	B50R_062_025$_{d}$	0.625	0.375	0.625	0.625	0.25	0.5	330	0.625	0.375	0.625	54.5	18.2	−2.1	18.3	353.3	0.625	0.375	0.625	60.9	15.9	−4.3	16.5	344.6	7.1	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
924	B50R_062_037$_{d}$	0.625	0.25	0.625	0.625	0.375	0.437	330	0.625	0.25	0.625	48.6	27.3	−3.2	27.5	353.3	0.625	0.25	0.625	52.6	27.7	−6.2	28.4	347.3	5.0	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
925	B50R_062_050$_{d}$	0.625	0.125	0.625	0.625	0.5	0.375	330	0.625	0.125	0.625	42.7	36.4	−4.2	36.6	353.3	0.625	0.125	0.625	44.7	39.9	−7.1	40.6	349.9	4.9	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
926	B50R_062_062$_{d}$	0.625	0.0	0.625	0.625	0.625	0.312	330	0.625	0.0	0.625	36.8	45.5	−5.3	45.8	353.3	0.625	0.0	0.625	37.8	52.5	−7.1	53.0	352.2	7.2	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
927	G00B_100_050$_{d}$	0.5	1.0	0.5	1.0	0.5	0.75	150	0.5	1.0	0.5	73.7	−34.4	14.0	37.1	157.7	0.5	1.0	0.5	74.4	−25.5	19.9	32.3	142.0	10.6	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
928	G00B_087_037$_{d}$	0.5	0.875	0.5	0.875	0.375	0.687	150	0.5	0.875	0.5	69.4	−25.8	10.5	27.8	157.7	0.5	0.875	0.5	73.3	−19.7	14.9	24.7	142.8	8.4	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
929	G00B_075_025$_{d}$	0.5	0.75	0.5	0.75	0.25	0.625	150	0.5	0.75	0.5	65.1	−17.2	7.0	18.5	157.7	0.5	0.75	0.5	70.8	−12.8	10.5	16.6	140.7	8.0	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
930	G00B_062_012$_{d}$	0.5	0.625	0.5	0.625	0.125	0.562	150	0.5	0.625	0.5	60.8	−8.6	3.5	9.2	157.7	0.5	0.625	0.5	68.2	−6.8	5.0	8.4	143.3	7.7	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
931	NW_050$_{d}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	56.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5	65.5	−0.3	−0.4	0.5	232.6	8.9	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
932	B50R_050_012$_{d}$	0.5	0.375	0.5	0.5	0.125	0.437	330	0.5	0.375	0.5	50.6	9.1	−1.0	9.1	353.3	0.5	0.375	0.5	58.1	8.5	−2.9	9.0	340.7	7.7	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
933	B50R_050_025$_{d}$	0.5	0.25	0.5	0.5	0.25	0.375	330	0.5	0.249	0.5	44.7	18.2	−2.1	18.3	353.3	0.5	0.25	0.5	50.7	19.0	−5.0	19.7	345.2	6.6	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
934	B50R_050_037$_{d}$	0.5	0.125	0.5	0.5	0.375	0.312	330	0.5	0.124	0.5	38.8	27.3	−3.2	27.5	353.3	0.5	0.125	0.5	41.7	31.7	−6.4	32.4	348.5	6.2	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
935	B50R_050_050$_{d}$	0.5	0.0	0.5	0.5	0.5	0.25	330	0.5	0.0	0.5	32.9	36.4	−4.2	36.6	353.3	0.5	0.0	0.5	34.7	44.3	−6.7	44.8	351.3	8.4	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
936	G00B_100_062$_{d}$	0.375	1.0	0.375	1.0	0.625	0.687	150	0.375	1.0	0.375	68.2	−43.0	17.5	46.4	157.7	0.375	1.0	0.375	68.4	−33.7	23.8	41.3	144.6	11.2	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
937	G00B_087_050$_{d}$	0.375	0.875	0.375	0.875	0.5	0.625	150	0.375	0.875	0.375	63.9	−34.4	14.0	37.1	157.7	0.375	0.875	0.375	67.6	−27.6	19.9	34.0	144.2	9.6	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
938	G00B_075_037$_{d}$	0.375	0.75	0.375	0.75	0.375	0.562	150	0.375	0.75	0.375	59.7	−25.8	10.5	27.8	157.7	0.375	0.75	0.375	64.8	−21.0	15.2	25.9	144.0	8.4	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
939	G00B_062_025$_{d}$	0.375	0.625	0.375	0.625	0.25	0.5	150	0.375	0.625	0.375	55.4	−17.2	7.0	18.5	157.7	0.375	0.625	0.375	62.6	−14.1	10.6	17.7	143.0	8.6	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
940	G00B_050_012$_{d}$	0.375	0.5	0.375	0.5	0.125	0.437	150	0.375	0.5	0.375	51.1	−8.6	3.5	9.2	157.7	0.375	0.5	0.375	59.9	−7.4	5.4	9.2	143.8	9.1	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
941	NW_037$_{d}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	46.8	0.0	0.0	0.0	0.0	0.375	0.375	0.375	57.5	−0.3	−0.5	0.6	234.9	10.6	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
942	B50R_037_012$_{d}$	0.375	0.25	0.375	0.375	0.125	0.312	330	0.375	0.249	0.375	40.9	9.1	−1.0	9.1	353.3	0.375	0.25	0.375	49.1	9.9	−3.2	10.5	341.7	8.4	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
943	B50R_037_025$_{d}$	0.375	0.125	0.375	0.375	0.25	0.25	330	0.375	0.124	0.375	35.0	18.2	−2.1	18.3	353.3	0.375	0.125	0.375	40.5	21.7	−5.1	22.3	346.7	7.1	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
944	B50R_037_037$_{d}$	0.375	0.0	0.375	0.375	0.375	0.187	330	0.375	0.0	0.375	29.1	27.3	−3.2	27.5	353.3	0.375	0.0	0.375	32.5	34.9	−5.8	35.4	350.4	8.7	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
945	G00B_100_075$_{d}$	0.25	1.0	0.25	1.0	0.75	0.625	150	0.25	1.0	0.25	62.8	−51.6	21.0	55.7	157.7	0.25	1.0	0.25	62.1	−43.3	25.9	50.5	149.0	9.6	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
946	G00B_087_062$_{d}$	0.25	0.875	0.25	0.875	0.625	0.562	150	0.25	0.875	0.25	58.5	−43.0	17.5	46.4	157.7	0.25	0.875	0.25	60.8	−37.2	24.0	44.3	147.1	8.9	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
947	G00B_075_050$_{d}$	0.25	0.75	0.25	0.75	0.5	0.5	150	0.25	0.75	0.25	54.2	−34.4	14.0	37.1	157.7	0.25	0.75	0.25	58.5	−29.7	20.1	35.9	145.8	8.7	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
948	G00B_062_037$_{d}$	0.25	0.625	0.25	0.625	0.375	0.437	150	0.25	0.625	0.25	49.9	−25.8	10.5	27.8	157.7	0.25	0.625	0.25	56.0	−23.1	15.7	28.0	145.8	8.4	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
949	G00B_050_025$_{d}$	0.25	0.5	0.25	0.5	0.25	0.375	150	0.249	0.5	0.249	45.7	−17.2	7.0	18.5	157.7	0.25	0.5	0.25	53.2	−16.2	10.9	19.5	146.1	8.5	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
950	G00B_037_012$_{d}$	0.25	0.375	0.25	0.375	0.125	0.312	150	0.249	0.375	0.249	41.4	−8.6	3.5	9.2	157.7	0.25	0.375	0.25	50.9	−8.5	5.8	10.3	145.8	9.8	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
951	NW_025$_{d}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	37.1	0.0	0.0	0.0	0.0	0.25	0.25	0.25	47.1	−0.3	−0.4	0.6	233.7	9.9	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
952	B50R_025_012$_{d}$	0.25	0.125	0.25	0.25	0.125	0.187	330	0.25	0.124	0.25	31.2	9.1	−1.0	9.1	353.3	0.25	0.125	0.25	37.7	12.0	−3.3	12.4	344.4	7.5	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
953	B50R_025_025$_{d}$	0.25	0.0	0.25	0.25	0.25	0.125	330	0.25	0.0	0.25	25.3	18.2	−2.1	18.3	353.3	0.25	0.0	0.25	29.7	23.9	−4.6	24.4	349.0	7.6	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
954	G00B_100_087$_{d}$	0.125	1.0	0.125	1.0	0.875	0.562	150	0.125	1.0	0.125	57.3	−60.2	24.6	65.0	157.7	0.125	1.0	0.125	56.0	−54.1	26.7	60.4	153.7	6.5	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
955	G00B_087_075$_{d}$	0.125	0.875	0.125	0.875	0.75	0.5	150	0.125	0.875	0.125	53.1	−51.6	21.0	55.7	157.7	0.125	0.875	0.125	54.5	−48.1	24.7	54.1	152.8	5.2	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
956	G00B_075_062$_{d}$	0.125	0.75	0.125	0.75	0.625	0.437	150	0.125	0.75	0.125	48.8	−43.0	17.5	46.4	157.7	0.125	0.75	0.125	51.7	−40.9	21.9	46.4	151.8	5.6	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
957	G00B_062_050$_{d}$	0.125	0.625	0.125	0.625	0.5	0.375	150	0.125	0.625	0.125	44.5	−34.4	14.0	37.1	157.7	0.125	0.625	0.125	48.7	−33.7	18.9	38.6	150.6	6.5	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
958	G00B_050_037$_{d}$	0.125	0.5	0.125	0.5	0.375	0.312	150	0.124	0.5	0.124	40.2	−25.8	10.5	27.8	157.7	0.125	0.5	0.125	46.0	−26.1	15.7	30.5	148.8	7.8	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
959	G00B_037_025$_{d}$	0.125	0.375	0.125	0.375	0.25	0.25	150	0.124	0.375	0.124	35.9	−17.2	7.0	18.5	157.7	0.125	0.375	0.125	43.1	−18.7	11.3	21.8	148.8	8.4	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
960	G00B_025_012$_{d}$	0.125	0.25	0.125	0.25	0.125	0.187	150	0.124	0.25	0.124	31.7	−8.6	3.5	9.2	157.7	0.125	0.25	0.125	39.1	−10.7	6.0	12.3	150.7	8.1	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
961	NW_012$_{d}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	27.4	0.0	0.0	0.0	0.0	0.125	0.125	0.125	32.3	−0.2	−0.1	0.2	220.7	4.9	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
962	B50R_012_012$_{d}$	0.125	0.0	0.125	0.125	0.125	0.062	330	0.125	0.0	0.125	21.5	9.1	−1.0	9.1	353.3	0.125	0.0	0.125	24.9	11.1	−2.2	11.3	348.7	4.1	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
963	G00B_100_100$_{d}$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7	0.0	1.0	0.0	49.3	−69.7	24.5	73.9	160.5	4.4	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
964	G00B_087_087$_{d}$	0.0	0.875	0.0	0.875	0.875	0.437	150	0.0	0.875	0.0	47.6	−60.2	24.6	65.0	157.7	0.0	0.875	0.0	47.8	−63.4	23.3	67.5	159.7	3.3	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
965	G00B_075_075$_{d}$	0.0	0.75	0.0	0.75	0.75	0.375	150	0.0	0.75	0.0	43.3	−51.6	21.0	55.7	157.7	0.0	0.75	0.0	45.3	−54.3	22.0	58.6	157.9	3.4	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
966	G00B_062_062$_{d}$	0.0	0.625	0.0	0.625	0.625	0.312	150	0.0	0.625	0.0	39.1	−43.0	17.5	46.4	157.7	0.0	0.625	0.0	42.7	−46.0	19.4	50.0	157.0	5.1	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
967	G00B_050_050$_{d}$	0.0	0.5	0.0	0.5	0.5	0.25	150	0.0	0.5	0.0	34.8	−34.4	14.0	37.1	157.7	0.0	0.5	0.0	39.4	−37.8	17.6	41.7	154.9	6.8	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
968	G00B_037_037$_{d}$	0.0	0.375	0.0	0.375	0.375	0.187	150	0.0	0.375	0.0	30.5	−25.8	10.5	27.8	157.7	0.0	0.375	0.0	36.5	−29.3	14.0	32.4	154.4	7.7	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
969	G00B_025_025$_{d}$	0.0	0.25	0.0	0.25	0.25	0.125	150	0.0	0.25	0.0	26.2	−17.2	7.0	18.5	157.7	0.0	0.25	0.0	33.1	−19.7	10.4	22.3	152.0	8.0	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
970	G00B_012_012$_{d}$	0.0	0.125	0.0	0.125	0.125	0.062	150	0.0	0.125	0.0	21.9	−8.6	3.5	9.2	157.7	0.0	0.125	0.0	26.3	−9.4	4.0	10.3	156.8	4.4	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
971	NW_000$_{d}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	17.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.4	0.1	0.5	0.5	78.3	2.7	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0

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

1−0033030−F0

QE640−7N, Page 31/33−F

TUB-test chart QE64; hue code: H*$_{d}$=Y75G$_{d}$
colors and differences, ΔE*'

input: *rgb/cmyk* −> *rgb*$_{d}$
output: transfer to *cmyk*$_{d}$

TUB registration: 20130201-QE64/QE64L0NP.PDF /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmyn6 (CMYK)

see similar files: http://130.149.60.45/~farbmetrik/QE64/QE64.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

1−0033030−F0

QE6400L

http://130.149.60.45/~farbmetrik/QE64/QE64L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 32/33

n	HIC*$_{Fd}$	*rgb*$_{\_Fd}$			*ict*$_{\_Fd}$			*h*$_{si\_F,d}$	*rgb**$_{Fd}$			*LabCh**$_{Fd}$					*rgb**'$_{Fd}$			*LabCh**'$_{Fd}$					*DE**'$_{Fd}$	*h*$_{siM,d}$	*rgb**$_{Md}$			*LabCh**$_{Md}$				
972	NW_000$_d$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	17.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.3	0.0	0.4	0.4	84.7	1.6	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
973	NW_012$_d$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	27.4	0.0	0.0	0.0	0.0	0.125	0.125	0.125	30.5	−0.2	−0.2	0.3	226.1	3.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
974	NW_025$_d$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	37.1	0.0	0.0	0.0	0.0	0.25	0.25	0.25	45.4	−0.4	−0.6	0.7	236.5	8.3	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
975	NW_037$_d$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	46.8	0.0	0.0	0.0	0.0	0.375	0.375	0.375	56.2	−0.4	−0.3	0.5	217.4	9.3	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
976	NW_050$_d$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	56.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5	65.1	−0.4	−0.4	0.5	224.9	8.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
977	NW_062$_d$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	66.3	0.0	0.0	0.0	0.0	0.625	0.625	0.625	73.8	−0.3	−0.2	0.4	220.0	7.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
978	NW_075$_d$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	76.0	0.0	0.0	0.0	0.0	0.75	0.75	0.75	81.8	−0.2	−0.2	0.3	225.6	5.8	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
979	NW_087$_d$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	85.7	0.0	0.0	0.0	0.0	0.875	0.875	0.875	89.8	−0.1	0.0	0.1	215.9	4.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
980	NW_100$_d$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	138.2	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
981	NW_000$_d$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	17.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.0	0.0	0.2	0.2	72.2	1.3	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
982	NW_012$_d$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	27.4	0.0	0.0	0.0	0.0	0.125	0.125	0.125	30.2	−0.2	−0.3	0.4	235.2	2.8	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
983	NW_025$_d$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	37.1	0.0	0.0	0.0	0.0	0.25	0.25	0.25	45.3	−0.4	−0.6	0.7	235.9	8.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
984	NW_037$_d$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	46.8	0.0	0.0	0.0	0.0	0.375	0.375	0.375	56.3	−0.4	−0.5	0.7	229.4	9.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
985	NW_050$_d$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	56.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5	64.8	−0.4	−0.1	0.5	191.4	8.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
986	NW_062$_d$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	66.3	0.0	0.0	0.0	0.0	0.625	0.625	0.625	73.6	−0.3	−0.2	0.4	210.7	7.3	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
987	NW_075$_d$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	76.0	0.0	0.0	0.0	0.0	0.75	0.75	0.75	81.6	−0.2	−0.2	0.3	229.6	5.6	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
988	NW_087$_d$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	85.7	0.0	0.0	0.0	0.0	0.875	0.875	0.875	89.9	−0.1	0.0	0.1	197.4	4.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
989	NW_100$_d$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.5	0.0	0.0	0.0	102.7	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
990	NW_000$_d$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	17.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.6	0.0	0.1	0.1	83.1	0.9	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
991	NW_012$_d$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	27.4	0.0	0.0	0.0	0.0	0.125	0.125	0.125	29.8	−0.2	−0.3	0.4	232.8	2.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
992	NW_025$_d$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	37.1	0.0	0.0	0.0	0.0	0.25	0.25	0.25	45.1	−0.4	−0.6	0.8	237.3	8.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
993	NW_037$_d$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	46.8	0.0	0.0	0.0	0.0	0.375	0.375	0.375	56.1	−0.4	−0.5	0.7	228.2	9.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
994	NW_050$_d$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	56.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5	64.7	−0.4	−0.3	0.5	220.2	8.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
995	NW_062$_d$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	66.3	0.0	0.0	0.0	0.0	0.625	0.625	0.625	73.4	−0.3	−0.3	0.5	224.3	7.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
996	NW_075$_d$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	76.0	0.0	0.0	0.0	0.0	0.75	0.75	0.75	81.2	−0.2	−0.1	0.3	213.1	5.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
997	NW_087$_d$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	85.7	0.0	0.0	0.0	0.0	0.875	0.875	0.875	89.4	−0.1	0.0	0.1	202.8	3.7	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
998	NW_100$_d$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.3	0.0	0.1	0.1	111.5	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
999	NW_000$_d$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	17.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.4	0.0	0.0	0.0	96.0	0.7	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1000	NW_012$_d$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	27.4	0.0	0.0	0.0	0.0	0.125	0.125	0.125	29.4	−0.2	−0.3	0.4	233.4	2.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1001	NW_025$_d$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	37.1	0.0	0.0	0.0	0.0	0.25	0.25	0.25	44.3	−0.4	−0.7	0.8	239.8	7.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1002	NW_037$_d$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	46.8	0.0	0.0	0.0	0.0	0.375	0.375	0.375	55.8	−0.4	−0.6	0.8	235.0	8.9	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1003	NW_050$_d$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	56.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5	64.6	−0.4	−0.5	0.6	230.8	8.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1004	NW_062$_d$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	66.3	0.0	0.0	0.0	0.0	0.625	0.625	0.625	73.2	−0.3	−0.4	0.5	229.6	6.9	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1005	NW_075$_d$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	76.0	0.0	0.0	0.0	0.0	0.75	0.75	0.75	81.2	−0.2	−0.2	0.3	222.5	5.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1006	NW_087$_d$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	85.7	0.0	0.0	0.0	0.0	0.875	0.875	0.875	89.7	−0.1	0.0	0.1	179.7	3.9	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1007	NW_100$_d$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.4	0.0	0.1	0.1	108.6	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1008	NW_000$_d$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	17.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.7	0.0	0.4	0.4	83.1	2.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1009	NW_006$_d$	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	22.8	0.0	0.0	0.0	0.0	0.066	0.066	0.066	23.5	0.0	0.3	0.3	97.7	0.7	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1010	NW_013$_d$	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	28.0	0.0	0.0	0.0	0.0	0.133	0.133	0.133	31.8	−0.2	−0.3	0.4	233.6	3.7	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1011	NW_020$_d$	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	33.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	40.7	−0.3	−0.5	0.6	236.6	7.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1012	NW_026$_d$	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	38.3	0.0	0.0	0.0	0.0	0.266	0.266	0.266	46.8	−0.4	−0.5	0.7	234.6	8.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1013	NW_033$_d$	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	43.6	0.0	0.0	0.0	0.0	0.333	0.333	0.333	53.5	−0.4	−0.5	0.6	231.7	9.9	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1014	NW_040$_d$	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	48.8	0.0	0.0	0.0	0.0	0.4	0.4	0.4	58.5	−0.4	−0.5	0.6	232.4	9.7	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1015	NW_046$_d$	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	53.9	0.0	0.0	0.0	0.0	0.466	0.466	0.466	62.7	−0.4	−0.5	0.6	232.1	8.7	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1016	NW_053$_d$	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	59.1	0.0	0.0	0.0	0.0	0.533	0.533	0.533	67.6	−0.3	−0.4	0.6	231.8	8.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1017	NW_060$_d$	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	64.3	0.0	0.0	0.0	0.0	0.6	0.6	0.6	72.7	−0.3	−0.4	0.5	231.4	8.3	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1018	NW_066$_d$	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	69.5	0.0	0.0	0.0	0.0	0.666	0.666	0.666	76.8	−0.2	−0.3	0.4	231.9	7.3	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1019	NW_073$_d$	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	74.7	0.0	0.0	0.0	0.0	0.734	0.734	0.734	80.9	−0.2	−0.2	0.3	225.3	6.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1020	NW_080$_d$	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	79.9	0.0	0.0	0.0	0.0	0.8	0.8	0.8	84.8	−0.1	−0.1	0.2	226.2	4.9	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1021	NW_086$_d$	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	85.0	0.0	0.0	0.0	0.0	0.866	0.866	0.866	89.6	−0.1	0.0	0.1	212.1	4.6	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1022	NW_093$_d$	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	90.2	0.0	0.0	0.0	0.0	0.933	0.933	0.933	92.3	0.0	0.0	0.0	232.8	2.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1023	NW_100$_d$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.5	0.0	0.0	0.0	325.6	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1024	NW_000$_d$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	17.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.4	0.0	0.4	0.4	87.5	1.7	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1025	NW_006$_d$	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	22.8	0.0	0.0	0.0	0.0	0.066	0.066	0.066	23.2	0.0	0.1	0.1	114.3	0.3	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1026	NW_013$_d$	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	28.0	0.0	0.0	0.0	0.0	0.133	0.133	0.133	31.5	−0.2	−0.3	0.4	234.5	3.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1027	NW_020$_d$	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	33.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	40.2	−0.3	−0.6	0.7	237.8	7.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1028	NW_026$_d$	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	38.3	0.0	0.0	0.0	0.0	0.266	0.266	0.266	46.7	−0.4	−0.5	0.7	234.5	8.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1029	NW_033$_d$	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	43.6	0.0	0.0	0.0	0.0	0.333	0.333	0.333	52.9	−0.4	−0.6	0.7	235.6	9.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1030	NW_040$_d$	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	48.8	0.0	0.0	0.0	0.0	0.4	0.4	0.4	58.0	−0.4	−0.6	0.7	236.6	9.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1031	NW_046$_d$	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	53.9	0.0	0.0	0.0	0.0	0.466	0.466	0.466	62.5	−0.4	−0.5	0.6	233.8	8.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1032	NW_053$_d$	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	59.1	0.0	0.0	0.0	0.0	0.533	0.533	0.533	67.6	−0.3	−0.4	0.6	229.9	8.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1033	NW_060$_d$	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	64.3	0.0	0.0	0.0	0.0	0.6	0.6	0.6	72.6	−0.3	−0.3	0.5	226.7	8.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1034	NW_066$_d$	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	69.5	0.0	0.0	0.0	0.0	0.666	0.666	0.666	76.4	−0.3	−0.3	0.4	228.5	6.9	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1035	NW_073$_d$	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	74.7	0.0	0.0	0.0	0.0	0.734	0.734	0.734	81.0	−0.2	−0.3	0.3	231.4	6.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1036	NW_080$_d$	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	79.9	0.0	0.0	0.0	0.0	0.8	0.8	0.8	84.8	−0.1	−0.2	0.2	227.1	4.9	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1037	NW_086$_d$	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	85.0	0.0	0.0	0.0	0.0	0.866	0.866	0.866	89.7	−0.1	0.0	0.1	214.9	4.6	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1038	NW_093$_d$	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	90.2	0.0	0.0	0.0	0.0	0.933	0.933	0.933	92.3	0.0	0.0	0.0	192.4	2.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1039	NW_100$_d$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.6	0.0	0.0	0.0	75.7	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1040	NW_000$_d$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	17.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.2	0.0	0.3	0.3	82.9	1.6	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1041	NW_006$_d$	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	22.8	0.0	0.0	0.0	0.0	0.066	0.066	0.066	22.9	−0.1	0.1	0.1	123.7	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1042	NW_013$_d$	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	28.0	0.0	0.0	0.0	0.0	0.133	0.133	0.133	30.8	−0.3	−0.3	0.4	230.8	2.8	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1043	NW_020$_d$	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	33.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	39.5	−0.4	−0.6	0.7	238.3	6.3	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1044	NW_026$_d$	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	38.3	0.0	0.0	0.0	0.0	0.266	0.266	0.266	45.8	−0.4	−0.6	0.7	234.2	7.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1045	NW_033$_d$	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	43.6	0.0	0.0	0.0	0.0	0.333	0.333	0.333	52.9	−0.4	−0.6	0.7	233.9	9.3	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1046	NW_040$_d$	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	48.8	0.0	0.0	0.0	0.0	0.4	0.4	0.4	57.9	−0.4	−0.6	0.7	234.3	9.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1047	NW_046$_d$	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	53.9	0.0	0.0	0.0	0.0	0.466	0.466	0.466	62.0	−0.4	−0.5	0.7	231.6	8.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1048	NW_053$_d$	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	59.1	0.0	0.0	0.0	0.0	0.533	0.533	0.533	67.5	−0.3	−0.5	0.6	233.4	8.3	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1049	NW_060$_d$	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	64.3	0.0	0.0	0.0	0.0	0.6	0.6	0.6	72.0	−0.3	−0.4	0.5	231.2	7.7	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1050	NW_066$_d$	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	69.5	0.0	0.0	0.0	0.0	0.666	0.666	0.666	76.6	−0.3	−0.3	0.5	230.4	7.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1051	NW_073$_d$	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	74.7	0.0	0.0	0.0	0.0	0.734	0.734	0.734	80.9	−0.2	−0.3	0.4	229.7	6.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1052	NW_080$_d$	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	79.9	0.0	0.0	0.0	0.0	0.8	0.8	0.8	84.7	−0.2	−0.1	0.2	213.0	4.8	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0

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

1-0033130-F0

QE640-7N, Page 32/33-F

TUB-test chart QE64; hue code: H*$_d$=Y75G$_d$
colors and differences, ΔE*'

input: *rgb/cmyk* −> *rgb*$_d$
output: transfer to *cmyk*$_d$

TUB registration: 20130201-QE64/QE64L0NP.PDF /.PS
application for measurement of offset print output, separation cmyn6 (CMYK)

TUB material: code=rha4ta

see similar files: http://130.149.60.45/~farbmetrik/QE64/QE64.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

1-0033130-F0

QE6400L

http://130.149.60.45/~farbmetrik/QE64/QE64L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 33/33

n	**HIC***$_{Fd}$	*rgb*_$_{Fd}$			*ict*_$_{Fd}$			$h_{si\_F,d}$	*rgb**$_{Fd}$			*LabCh**$_{Fd}$				
1053	NW_086$_d$	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	85.0	0.0	0.0	0.0	0.0
1054	NW_093$_d$	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	90.2	0.0	0.0	0.0	0.0
1055	NW_100$_d$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1056	NW_000$_d$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	17.7	0.0	0.0	0.0	0.0
1057	NW_006$_d$	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	22.8	0.0	0.0	0.0	0.0
1058	NW_013$_d$	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	28.0	0.0	0.0	0.0	0.0
1059	NW_020$_d$	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	33.2	0.0	0.0	0.0	0.0
1060	NW_026$_d$	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	38.3	0.0	0.0	0.0	0.0
1061	NW_033$_d$	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	43.6	0.0	0.0	0.0	0.0
1062	NW_040$_d$	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	48.8	0.0	0.0	0.0	0.0
1063	NW_046$_d$	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	53.9	0.0	0.0	0.0	0.0
1064	NW_053$_d$	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	59.1	0.0	0.0	0.0	0.0
1065	NW_060$_d$	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	64.3	0.0	0.0	0.0	0.0
1066	NW_066$_d$	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	69.5	0.0	0.0	0.0	0.0
1067	NW_073$_d$	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	74.7	0.0	0.0	0.0	0.0
1068	NW_080$_d$	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	79.9	0.0	0.0	0.0	0.0
1069	NW_086$_d$	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	85.0	0.0	0.0	0.0	0.0
1070	NW_093$_d$	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	90.2	0.0	0.0	0.0	0.0
1071	NW_100$_d$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1072	NW_000$_d$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	17.7	0.0	0.0	0.0	0.0
1073	NW_100$_d$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1074	R00Y_100_100$_d$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
1075	G50B_100_100$_d$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
1076	Y00G_100_100$_d$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
1077	B00R_100_100$_d$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
1078	G00B_100_100$_d$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
1079	B50R_100_100$_d$	1.0	0.0	1.0	1.0	1.0	0.5	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3

n	*rgb**'$_{Fd}$			*LabCh**'$_{Fd}$					*DE**'$_{Fd}$	$h_{siM,d}$	*rgb**$_{Md}$			*LabCh**$_{Md}$				
1053	0.866	0.866	0.866	89.4	−0.1	0.0	0.1	204.5	4.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1054	0.933	0.933	0.933	92.2	0.0	0.0	0.0	177.8	1.9	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1055	1.0	1.0	1.0	95.4	0.0	0.0	0.0	61.5	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1056	0.0	0.0	0.0	18.7	0.0	0.1	0.1	96.3	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1057	0.066	0.066	0.066	22.3	−0.1	0.0	0.1	151.6	0.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1058	0.133	0.133	0.133	30.4	−0.2	−0.5	0.6	242.3	2.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1059	0.2	0.2	0.2	38.9	−0.4	−0.8	0.9	243.3	5.7	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1060	0.266	0.266	0.266	45.6	−0.4	−0.7	0.8	240.2	7.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1061	0.333	0.333	0.333	51.9	−0.4	−0.6	0.8	235.4	8.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1062	0.4	0.4	0.4	57.3	−0.4	−0.6	0.7	234.3	8.6	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1063	0.466	0.466	0.466	61.7	−0.4	−0.6	0.7	235.2	7.8	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1064	0.533	0.533	0.533	67.0	−0.3	−0.5	0.6	234.5	7.9	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1065	0.6	0.6	0.6	72.1	−0.3	−0.4	0.5	231.6	7.7	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1066	0.666	0.666	0.666	76.7	−0.3	−0.4	0.5	233.5	7.3	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1067	0.734	0.734	0.734	80.9	−0.2	−0.2	0.3	225.3	6.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1068	0.8	0.8	0.8	84.8	−0.2	−0.1	0.2	221.2	4.9	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1069	0.866	0.866	0.866	89.3	−0.1	−0.1	0.1	220.3	4.3	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1070	0.933	0.933	0.933	92.2	0.0	0.0	0.0	125.8	2.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1071	1.0	1.0	1.0	95.5	0.0	0.0	0.0	92.4	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1072	0.0	0.0	0.0	20.0	0.1	0.5	0.5	78.4	2.3	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1073	1.0	1.0	1.0	95.6	0.0	−0.1	0.1	275.2	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1074	1.0	0.0	0.0	44.8	66.8	40.9	78.4	31.4	3.9	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
1075	0.0	1.0	1.0	56.0	−28.4	−45.4	53.6	237.9	2.9	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
1076	1.0	1.0	0.0	87.5	−11.0	95.6	96.2	96.5	1.3	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
1077	0.0	0.0	1.0	22.8	25.5	−46.0	52.6	299.0	3.4	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
1078	0.0	1.0	0.0	48.4	−70.3	25.1	74.6	160.2	4.7	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
1079	1.0	0.0	1.0	45.0	75.3	−3.2	75.4	357.5	6.6	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3

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

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QE640−7N, Page 33/33−F

TUB-test chart QE64; hue code: H^*_d=Y75G$_d$
colors and differences, $\Delta E^{*\prime}$

input: *rgb/cmyk* −> *rgb*$_d$
output: transfer to *cmyk*$_d$

see similar files: http://130.149.60.45/~farbmetrik/QE64/QE64.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE64/QE64L0NP.PDF /.PS
application for measurement of offset print output, separation cmyn6 (CMYK)

TUB material: code=rha4ta

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