http://130.149.60.45/~farbmetrik/QE37/QE37L0NA.TXT /.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/QE37/QE37.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

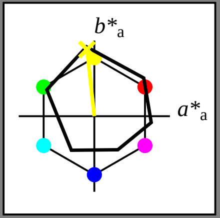
TUB registration: 20130201-QE37/QE37L0NA.TXT /.PS
application for measurement of offset print output

TUB material: code=rha4ta

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel}$ = h_{ab}/360 = 96/360 = 0.26

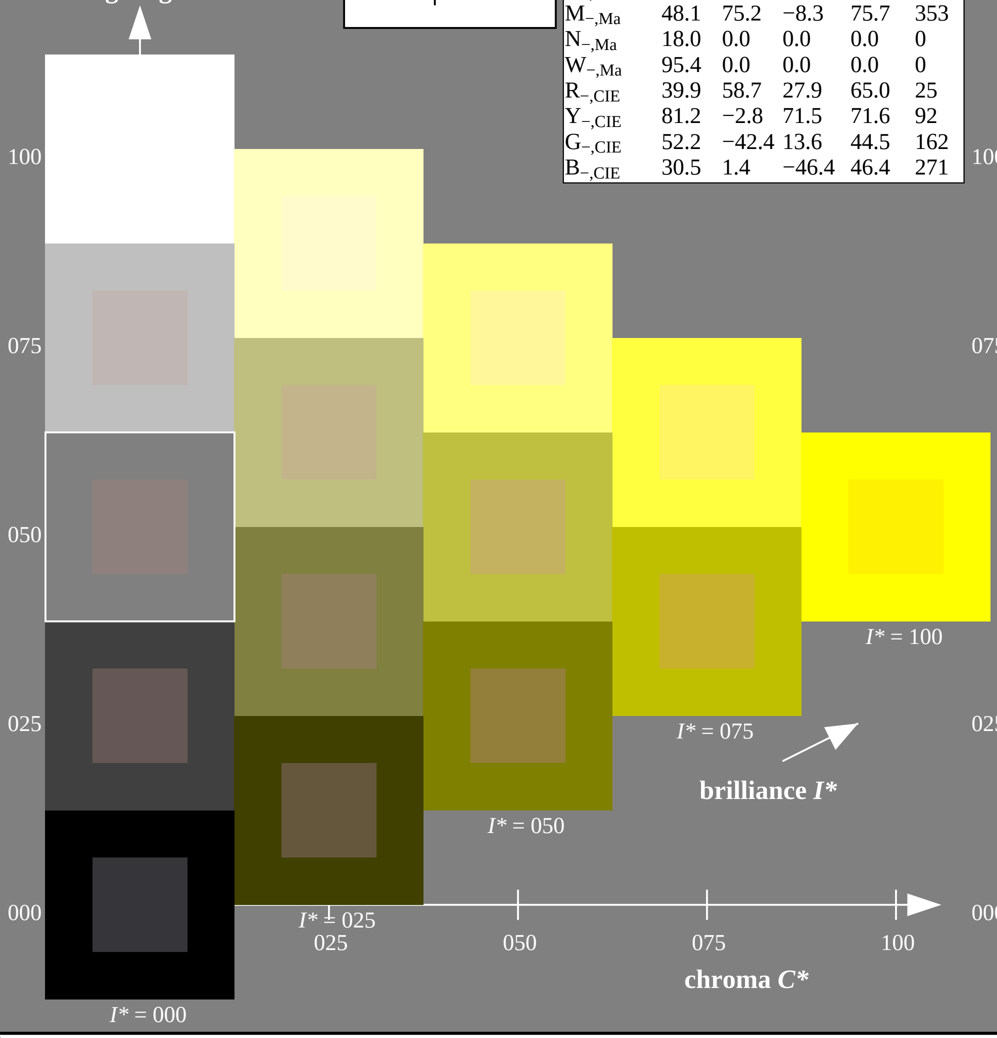
H*₋ = Y00G₋

Data for any device (d) or elementary (e) colour:
HIC*₋
hue text for the colours of this page:
H*₋ = Y00G₋
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

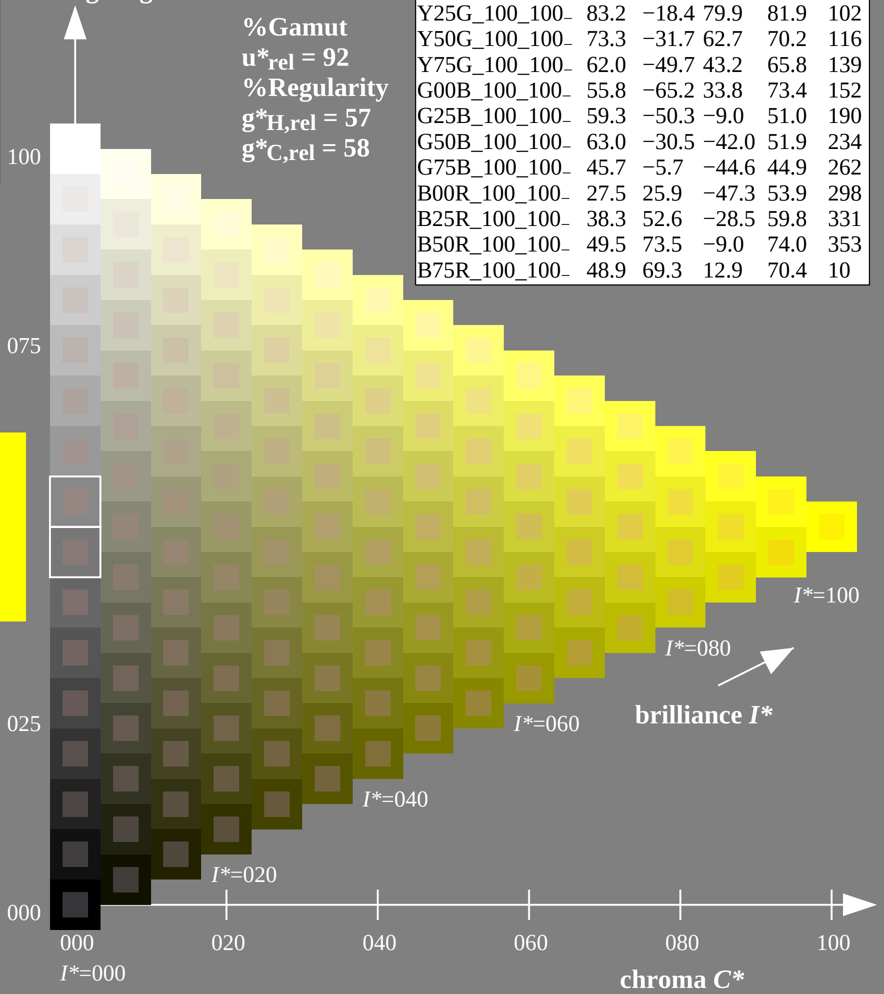


Data for maximum colour (Ma):
***LabCh*₋,Ma*: 90 −9 88 88 96**
***HIC*₋,Ma*: Y00G_100_100₋**
***rgbic*₋,Ma*:**
1.0 1.0 0.0 1.0 1.0
triangle lightness *T**

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

ORS20a; adapted (a) CIELAB data

H₋*	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100₋	48.4	66.1	40.2	77.3	31
R25Y_100_100₋	56.8	48.0	50.5	69.6	46
R50Y_100_100₋	68.6	25.0	63.9	68.6	68
R75Y_100_100₋	80.6	4.8	77.2	77.3	86
Y00G_100_100₋	90.2	−9.6	88.2	88.7	96
Y25G_100_100₋	83.2	−18.4	79.9	81.9	102
Y50G_100_100₋	73.3	−31.7	62.7	70.2	116
Y75G_100_100₋	62.0	−49.7	43.2	65.8	139
G00B_100_100₋	55.8	−65.2	33.8	73.4	152
G25B_100_100₋	59.3	−50.3	−9.0	51.0	190
G50B_100_100₋	63.0	−30.5	−42.0	51.9	234
G75B_100_100₋	45.7	−5.7	−44.6	44.9	262
B00R_100_100₋	27.5	25.9	−47.3	53.9	298
B25R_100_100₋	38.3	52.6	−28.5	59.8	331
B50R_100_100₋	49.5	73.5	−9.0	74.0	353
B75R_100_100₋	48.9	69.3	12.9	70.4	10



1-003031-L0 QE370-7N

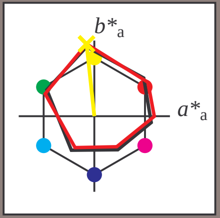
TUB-test chart QE37; hue code: H*₋=Y00G₋
Test chart according to DIN 33872, 3D=0, de=0, *cmy0*

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

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel}$ = h_{ab}/360 = 96/360 = 0.26

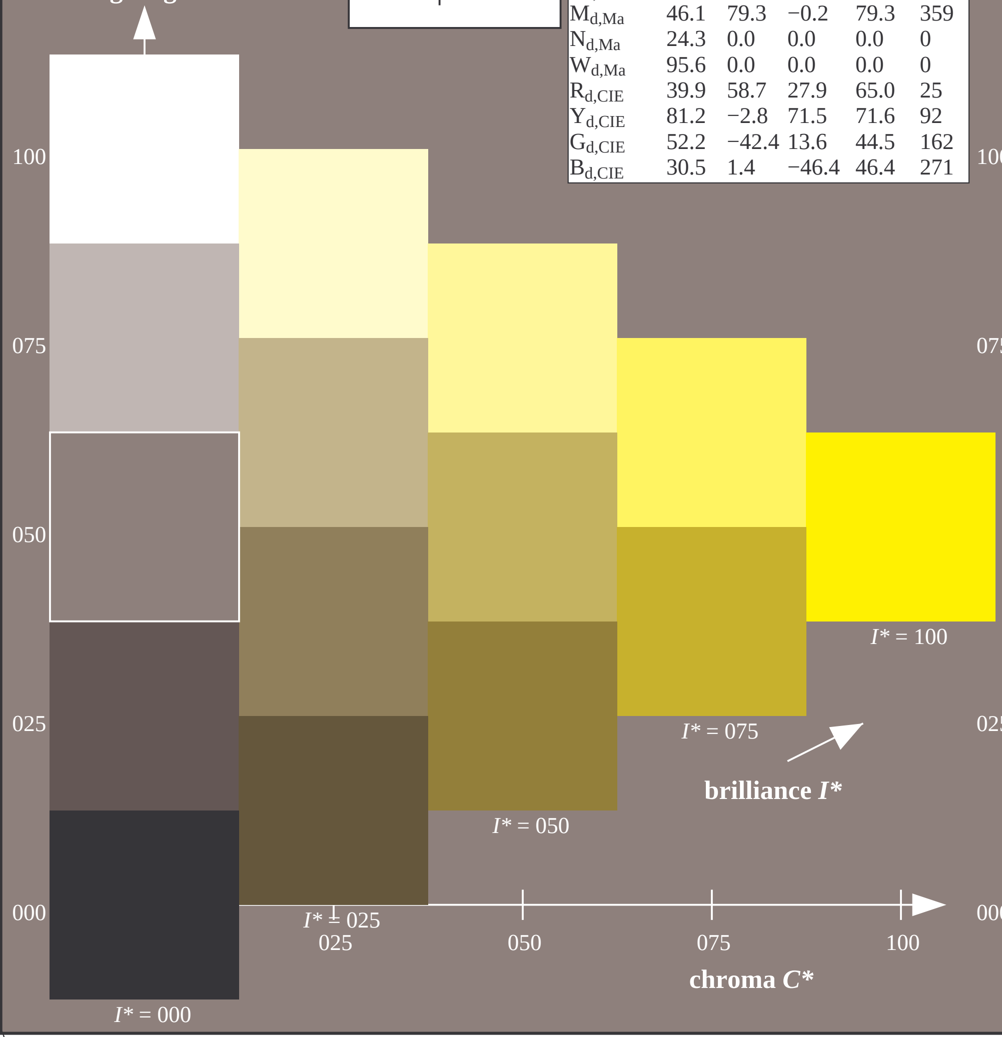
H^*_d = Y00G$_d$

Data for any device (d) or elementary (e) colour:
HIC^*_d
hue text for the colours of this page:
H^*_d = Y00G$_d$
triangle lightness T^*



ORS20a; adapted (a) CIELAB data

name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R_{d,Ma}$	45.4	70.9	44.8	83.9	32
$Y_{d,Ma}$	87.8	−10.2	95.4	96.0	96
$G_{d,Ma}$	50.0	−65.0	29.6	71.4	155
$C_{d,Ma}$	56.8	−25.5	−41.5	48.7	238
$B_{d,Ma}$	25.0	29.5	−40.4	50.0	306
$M_{d,Ma}$	46.1	79.3	−0.2	79.3	359
$N_{d,Ma}$	24.3	0.0	0.0	0.0	0
$W_{d,Ma}$	95.6	0.0	0.0	0.0	0
$R_{d,CIE}$	39.9	58.7	27.9	65.0	25
$Y_{d,CIE}$	81.2	−2.8	71.5	71.6	92
$G_{d,CIE}$	52.2	−42.4	13.6	44.5	162
$B_{d,CIE}$	30.5	1.4	−46.4	46.4	271

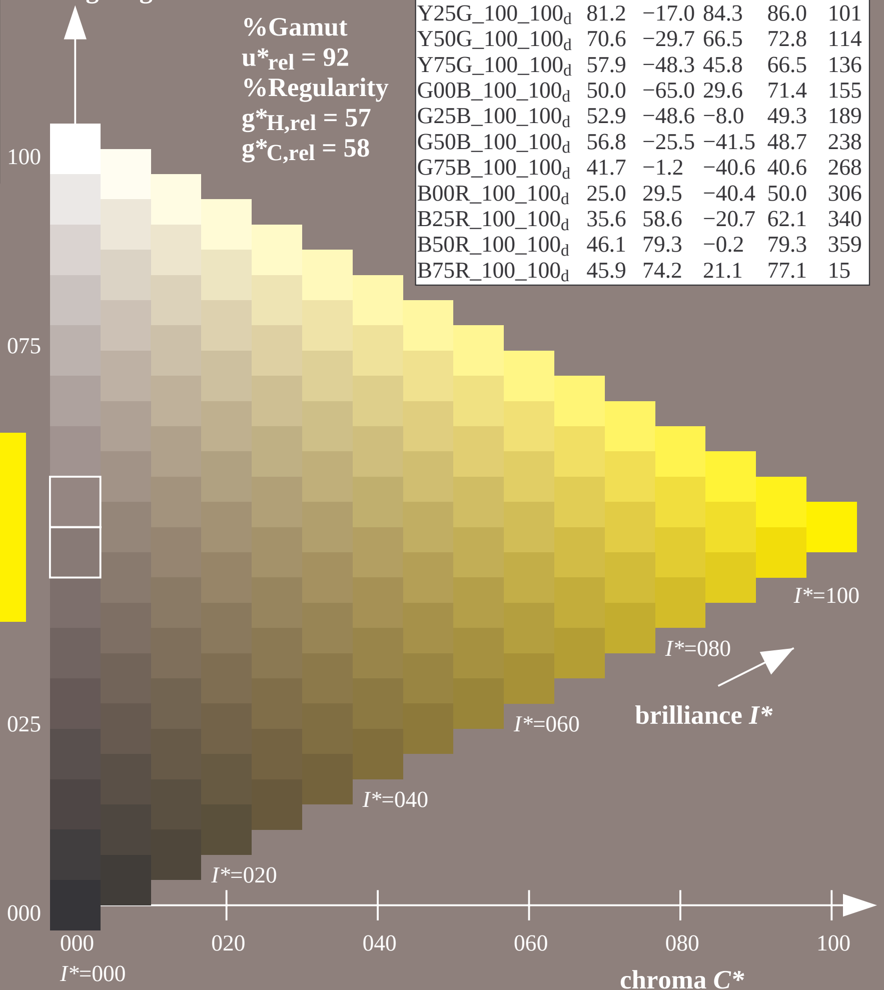


Data for maximum colour (Ma):
$LabCh^*_{d,Ma}$: 87 −10 95 96 96
$HIC^*_{d,Ma}$: Y00G_100_100$_d$
$rgbic^*_{d,Ma}$:
1.0 1.0 0.0 1.0 1.0
triangle lightness T^*

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



see similar files: http://130.149.60.45/~farbmetrik/QE37/QE37.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE37/QE37L0NA.TXT /.PS
application for measurement of offset print output, separation cmy0 (CMY0)

TUB material: code=rha4ta

TUB-test chart QE37; hue code: H^*_d=Y00G$_d$
Test chart according to DIN 33872, 3D=0, de=0, *cmy0*

input: *rgb/cmyk* −> *rgb*$_d$
output: transfer to *cmy0*$_d$

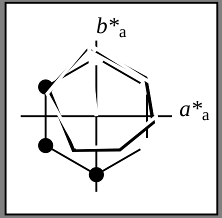
http://130.149.60.45/~farbmetrik/QE37/QE37L0NA.TXT /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 3/33

see similar files: http://130.149.60.45/~farbmetrik/QE37/QE37.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

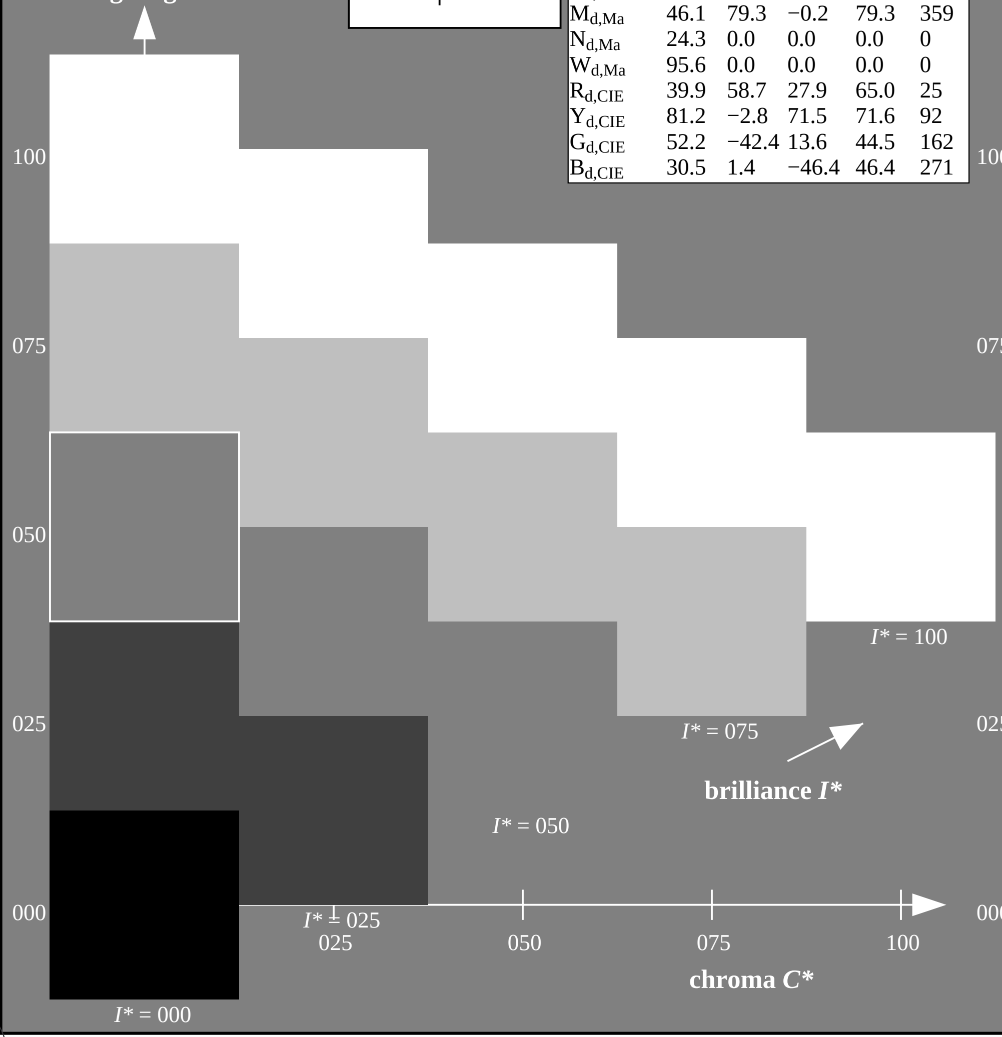
Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel}$ = h_{ab}/360 = 96/360 = 0.26

H^*_d = Y00G$_d$

Data for any device (d) or elementary (e) colour:
HIC*$_d$
hue text for the colours of this page:
H^*_d = Y00G$_d$
triangle lightness *T**



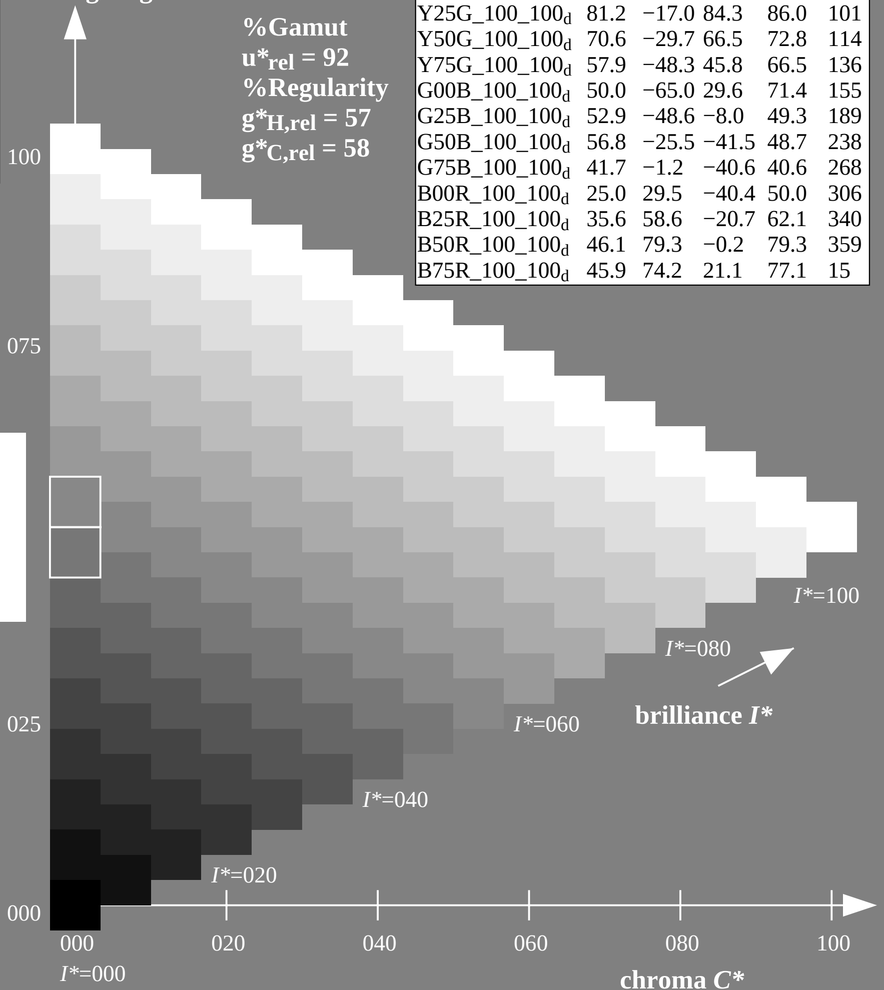
ORS20a; adapted (a) CIELAB data					
name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R_{d,Ma}$	45.4	70.9	44.8	83.9	32
$Y_{d,Ma}$	87.8	−10.2	95.4	96.0	96
$G_{d,Ma}$	50.0	−65.0	29.6	71.4	155
$C_{d,Ma}$	56.8	−25.5	−41.5	48.7	238
$B_{d,Ma}$	25.0	29.5	−40.4	50.0	306
$M_{d,Ma}$	46.1	79.3	−0.2	79.3	359
$N_{d,Ma}$	24.3	0.0	0.0	0.0	0
$W_{d,Ma}$	95.6	0.0	0.0	0.0	0
$R_{d,CIE}$	39.9	58.7	27.9	65.0	25
$Y_{d,CIE}$	81.2	−2.8	71.5	71.6	92
$G_{d,CIE}$	52.2	−42.4	13.6	44.5	162
$B_{d,CIE}$	30.5	1.4	−46.4	46.4	271



Data for maximum colour (Ma):
***LabCh*$_{d,Ma}$*: 87 −10 95 96 96**
***HIC*$_{d,Ma}$*: Y00G_100_100$_d$**
***rgbic*$_{d,Ma}$*:**
1.0 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$_d$	45.4	70.9	44.8	83.9	32
R25Y_100_100$_d$	53.0	53.4	54.8	76.5	45
R50Y_100_100$_d$	64.9	28.9	68.6	74.5	67
R75Y_100_100$_d$	78.6	4.3	84.7	84.8	87
Y00G_100_100$_d$	87.8	−10.2	95.4	96.0	96
Y25G_100_100$_d$	81.2	−17.0	84.3	86.0	101
Y50G_100_100$_d$	70.6	−29.7	66.5	72.8	114
Y75G_100_100$_d$	57.9	−48.3	45.8	66.5	136
G00B_100_100$_d$	50.0	−65.0	29.6	71.4	155
G25B_100_100$_d$	52.9	−48.6	−8.0	49.3	189
G50B_100_100$_d$	56.8	−25.5	−41.5	48.7	238
G75B_100_100$_d$	41.7	−1.2	−40.6	40.6	268
B00R_100_100$_d$	25.0	29.5	−40.4	50.0	306
B25R_100_100$_d$	35.6	58.6	−20.7	62.1	340
B50R_100_100$_d$	46.1	79.3	−0.2	79.3	359
B75R_100_100$_d$	45.9	74.2	21.1	77.1	15



TUB registration: 20130201-QE37/QE37L0NA.TXT /.PS
application for measurement of offset print output, separation cmy0 (CMY0)
TUB material: code=rha4ta

1-003231-L0 QE370−70

TUB-test chart QE37; hue code: H^*_d=Y00G$_d$
Test chart according to DIN 33872, 3D=0, de=0, *cmy0*

input: *rgb/cmyk −> rgb*$_d$
output: transfer to *cmy0*$_d$

http://130.149.60.45/~farbmetrik/QE37/QE37L0NA.TXT /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 4/33

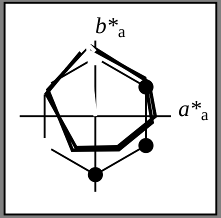
see similar files: http://130.149.60.45/~farbmetrik/QE37/QE37.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel}$ = h_{ab}/360 = 96/360 = 0.26

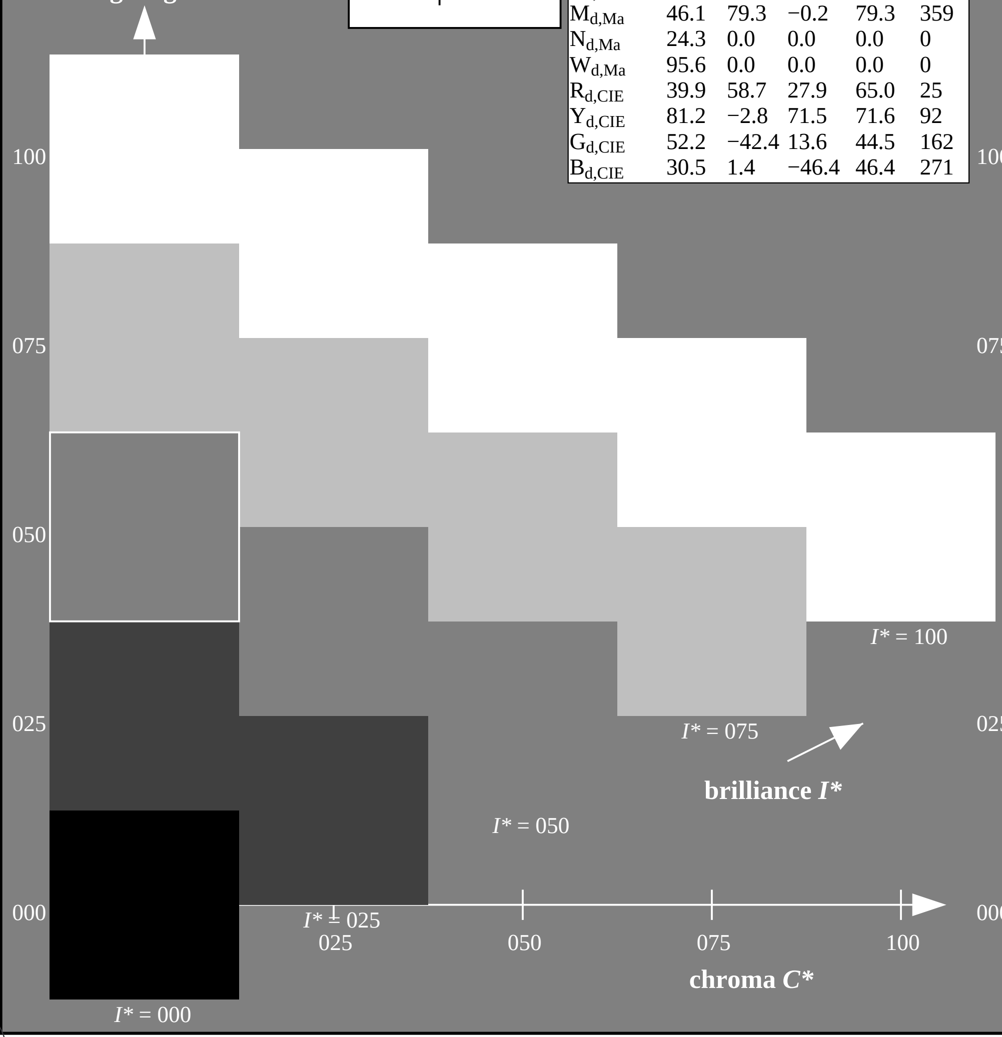
H^*_d = Y00G$_d$

Data for any device (d) or elementary (e) colour: HIC^*_d hue text for the colours of this page: H^*_d = Y00G$_d$

triangle lightness T^*



ORS20a; adapted (a) CIELAB data name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R_{d,Ma}$	45.4	70.9	44.8	83.9	32
$Y_{d,Ma}$	87.8	−10.2	95.4	96.0	96
$G_{d,Ma}$	50.0	−65.0	29.6	71.4	155
$C_{d,Ma}$	56.8	−25.5	−41.5	48.7	238
$B_{d,Ma}$	25.0	29.5	−40.4	50.0	306
$M_{d,Ma}$	46.1	79.3	−0.2	79.3	359
$N_{d,Ma}$	24.3	0.0	0.0	0.0	0
$W_{d,Ma}$	95.6	0.0	0.0	0.0	0
$R_{d,CIE}$	39.9	58.7	27.9	65.0	25
$Y_{d,CIE}$	81.2	−2.8	71.5	71.6	92
$G_{d,CIE}$	52.2	−42.4	13.6	44.5	162
$B_{d,CIE}$	30.5	1.4	−46.4	46.4	271



Data for maximum colour (Ma):

$LabCh^*_{d,Ma}$: 87 −10 95 96 96

$HIC^*_{d,Ma}$: Y00G_100_100$_d$

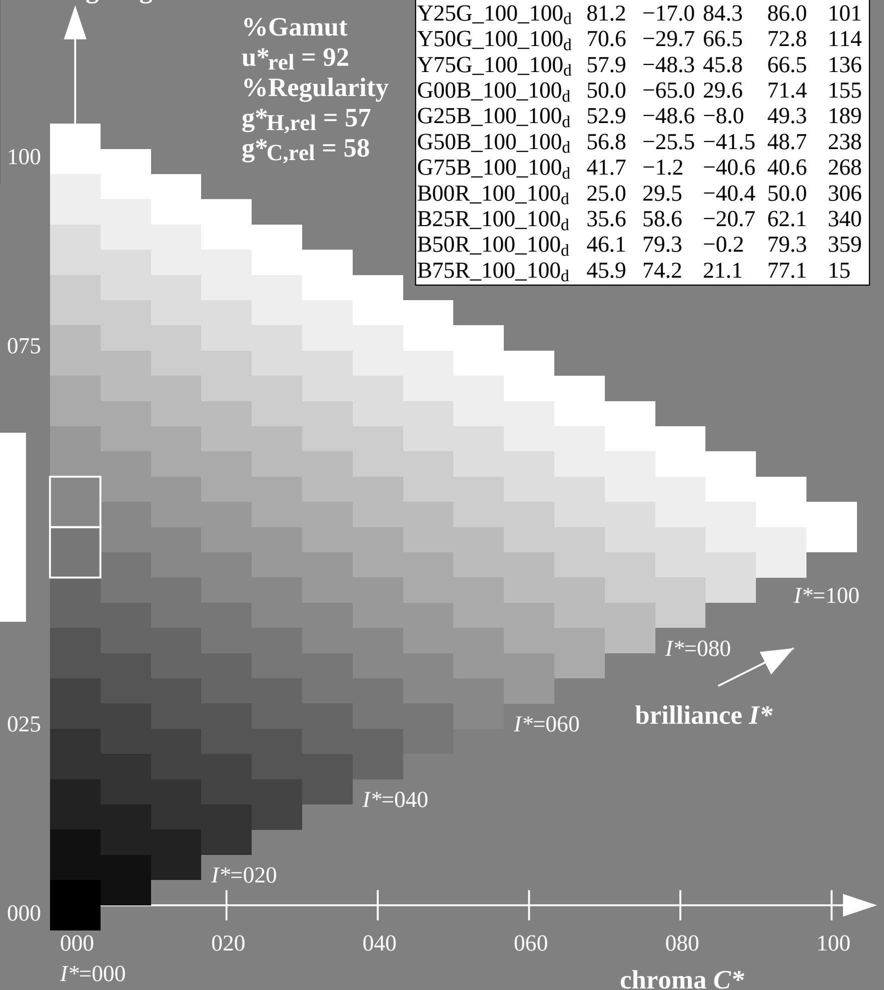
$rgbic^*_{d,Ma}$:

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



TUB registration: 20130201-QE37/QE37L0NA.TXT /.PS
application for measurement of offset print output, separation cmy0 (CMY0)

TUB material: code=rha4ta

1-003331-L0 QE370-70

TUB-test chart QE37; hue code: H^*_d=Y00G$_d$
Test chart according to DIN 33872, 3D=0, de=0, *cmy0*

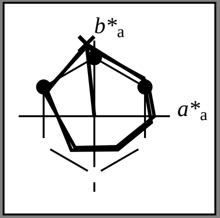
input: *rgb/cmyk* −> *rgb*$_d$
output: transfer to *cmy0*$_d$

see similar files: http://130.149.60.45/~farbmetrik/QE37/QE37.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

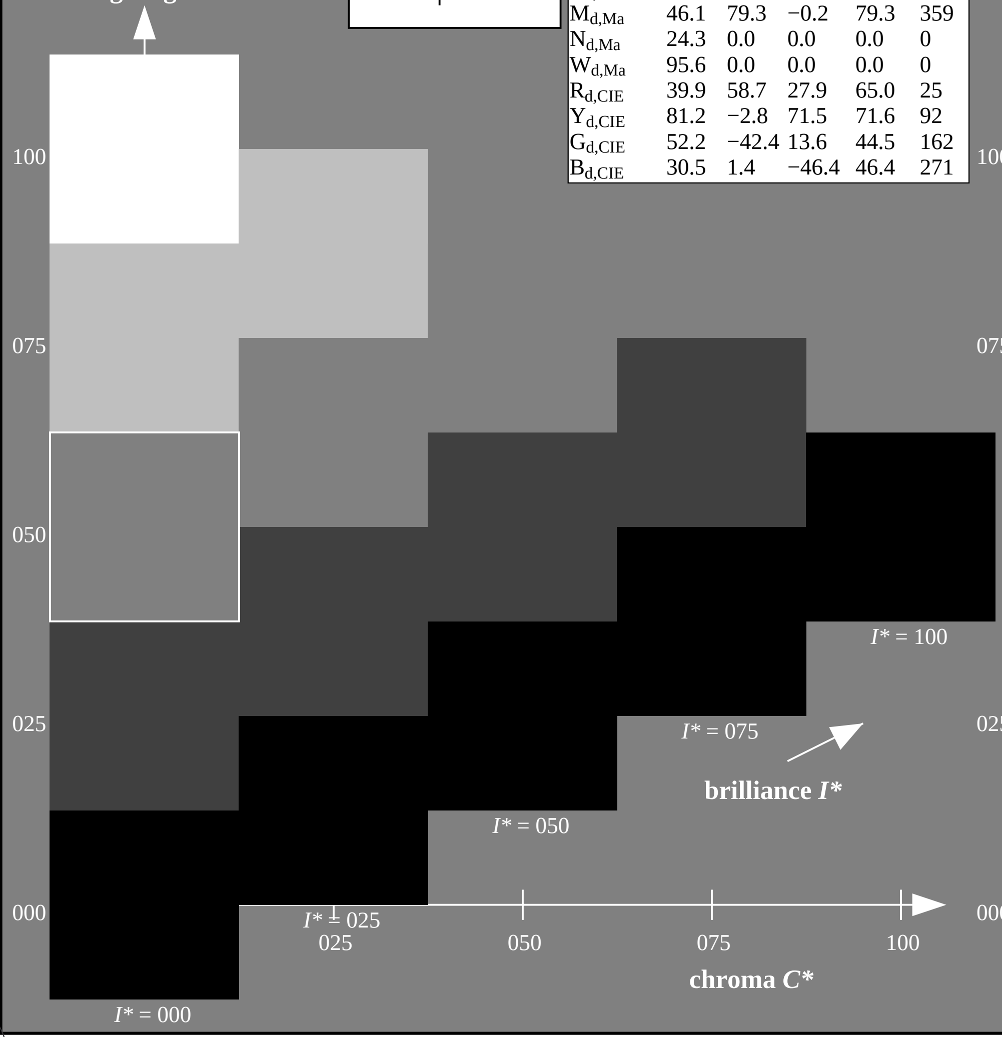
Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel}$ = h_{ab}/360 = 96/360 = 0.26

H^*_d = Y00G$_d$

Data for any device (d) or elementary (e) colour:
HIC*$_d$
hue text for the colours of this page:
H^*_d = Y00G$_d$
triangle lightness *T**



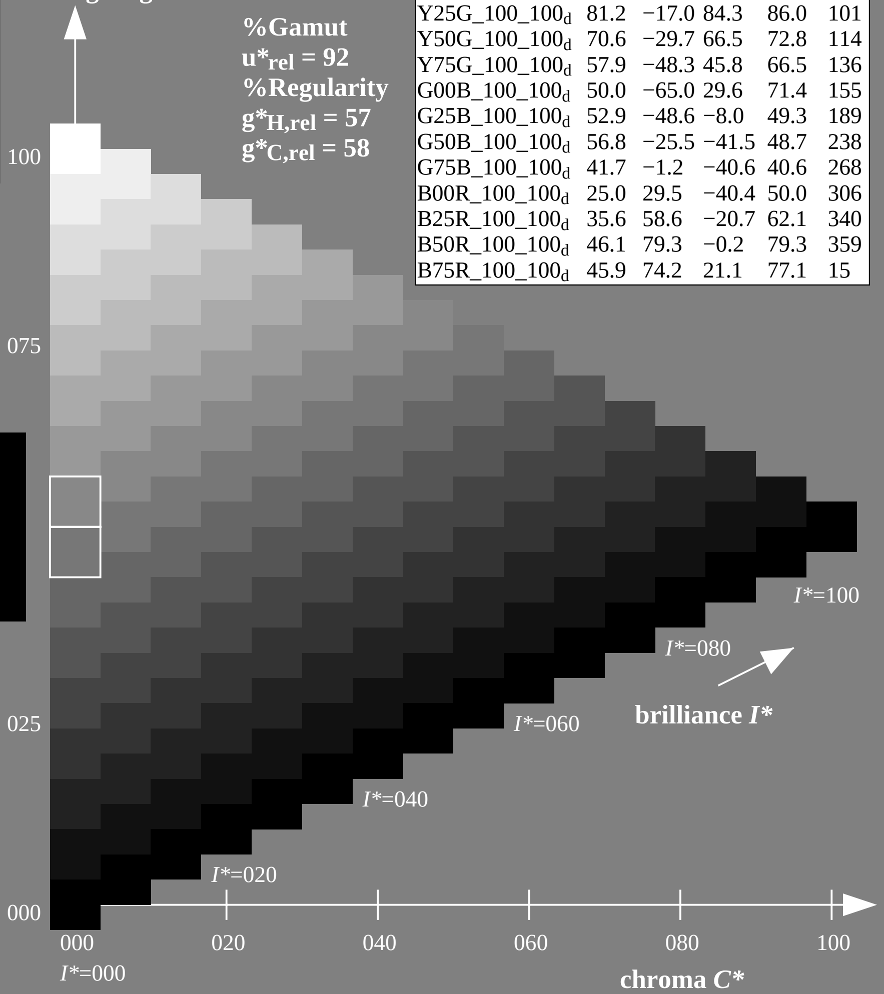
ORS20a; adapted (a) CIELAB data					
name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R_{d,Ma}$	45.4	70.9	44.8	83.9	32
$Y_{d,Ma}$	87.8	−10.2	95.4	96.0	96
$G_{d,Ma}$	50.0	−65.0	29.6	71.4	155
$C_{d,Ma}$	56.8	−25.5	−41.5	48.7	238
$B_{d,Ma}$	25.0	29.5	−40.4	50.0	306
$M_{d,Ma}$	46.1	79.3	−0.2	79.3	359
$N_{d,Ma}$	24.3	0.0	0.0	0.0	0
$W_{d,Ma}$	95.6	0.0	0.0	0.0	0
$R_{d,CIE}$	39.9	58.7	27.9	65.0	25
$Y_{d,CIE}$	81.2	−2.8	71.5	71.6	92
$G_{d,CIE}$	52.2	−42.4	13.6	44.5	162
$B_{d,CIE}$	30.5	1.4	−46.4	46.4	271



Data for maximum colour (Ma):
***LabCh*$_{d,Ma}$*: 87 −10 95 96 96**
***HIC*$_{d,Ma}$*: Y00G_100_100$_d$**
***rgbic*$_{d,Ma}$*:**
1.0 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$_d$	45.4	70.9	44.8	83.9	32
R25Y_100_100$_d$	53.0	53.4	54.8	76.5	45
R50Y_100_100$_d$	64.9	28.9	68.6	74.5	67
R75Y_100_100$_d$	78.6	4.3	84.7	84.8	87
Y00G_100_100$_d$	87.8	−10.2	95.4	96.0	96
Y25G_100_100$_d$	81.2	−17.0	84.3	86.0	101
Y50G_100_100$_d$	70.6	−29.7	66.5	72.8	114
Y75G_100_100$_d$	57.9	−48.3	45.8	66.5	136
G00B_100_100$_d$	50.0	−65.0	29.6	71.4	155
G25B_100_100$_d$	52.9	−48.6	−8.0	49.3	189
G50B_100_100$_d$	56.8	−25.5	−41.5	48.7	238
G75B_100_100$_d$	41.7	−1.2	−40.6	40.6	268
B00R_100_100$_d$	25.0	29.5	−40.4	50.0	306
B25R_100_100$_d$	35.6	58.6	−20.7	62.1	340
B50R_100_100$_d$	46.1	79.3	−0.2	79.3	359
B75R_100_100$_d$	45.9	74.2	21.1	77.1	15



TUB registration: 20130201-QE37/QE37L0NA.TXT /.PS
application for measurement of offset print output, separation cmy0 (CMY0)

TUB material: code=rha4ta

1-003431-L0 QE370−70

TUB-test chart QE37; hue code: H^*_d=Y00G$_d$
Test chart according to DIN 33872, 3D=0, de=0, *cmy0*

input: *rgb/cmyk −> rgb*$_d$
output: transfer to *cmy0*$_d$

1-003431-F0

http://130.149.60.45/~farbmetrik/QE37/QE37L0NA.TXT /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 6/33

see similar files: http://130.149.60.45/~farbmetrik/QE37/QE37.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE37/QE37L0NA.TXT /.PS
application for measurement of offset print output, separation cmy0 (CMY0)

TUB material: code=rha4ta

1−003531−L0 QE370−70

TUB-test chart QE37; hue code: H^*_d=Y00G_d
Test chart according to DIN 33872, 3D=0, de=0, *cmy0*

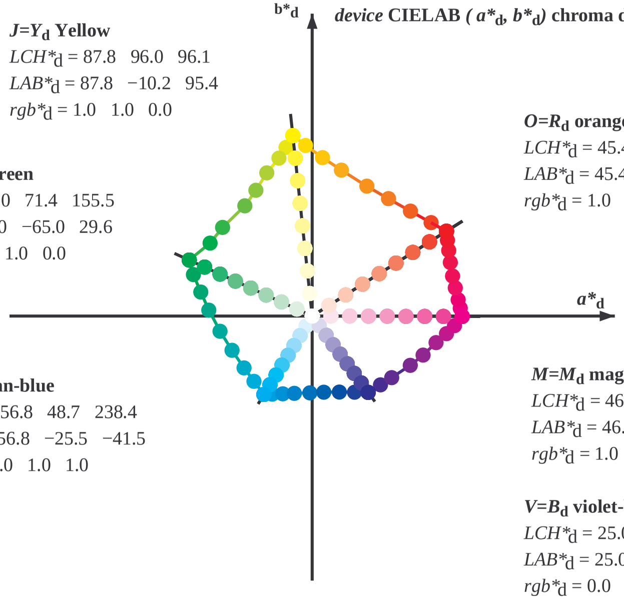
input: *rgb/cmyk* −> *rgb*$_d$
output: transfer to *cmy0*$_d$

http://130.149.60.45/~farbmetrik/QE37/QE37L0NA.TXT /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 7/33

TUB registration: 20130201-QE37/QE37L0NA.TXT /.PS
application for measurement of offset print output, separation cmy0 (CMY0)

TUB material: code=rha4ta

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



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

J=Y$_d$ Yellow
LCH$^*_d$ = 87.8 96.0 96.1
LAB$^*_d$ = 87.8 −10.2 95.4
rgb$^*_d$ = 1.0 1.0 0.0

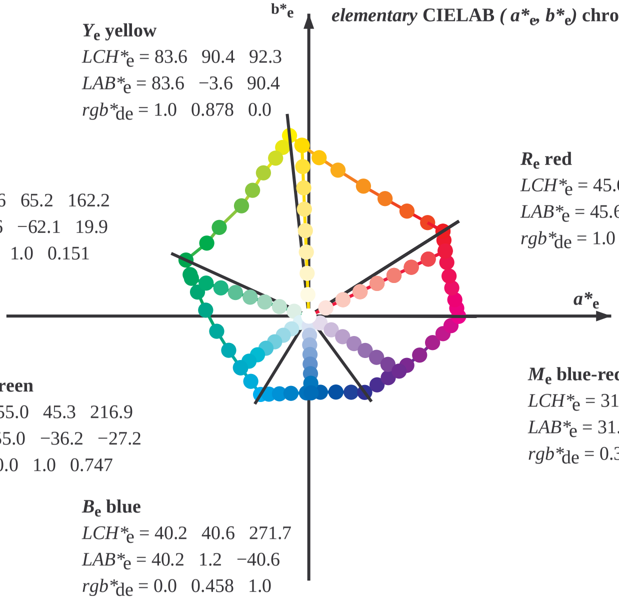
O=R$_d$ orange-red
LCH$^*_d$ = 45.4 83.9 32.3
LAB$^*_d$ = 45.4 70.9 44.8
rgb$^*_d$ = 1.0 0.0 0.0

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

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

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

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



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

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

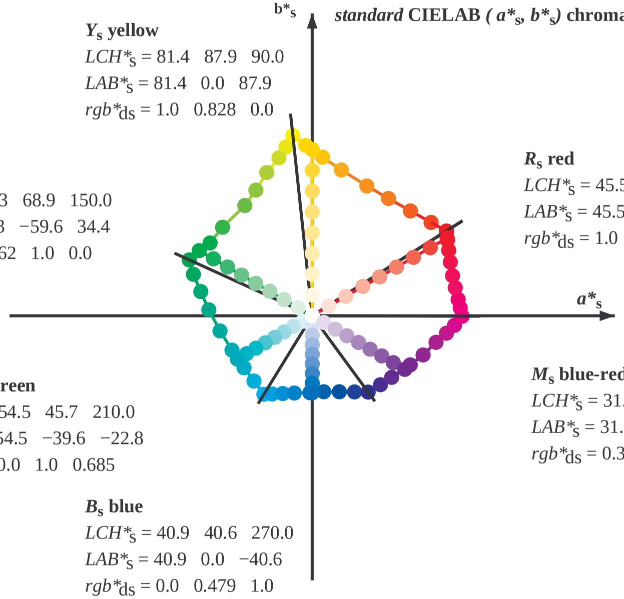
G$_e$ green
LCH$^*_e$ = 50.6 65.2 162.2
LAB$^*_e$ = 50.6 −62.1 19.9
rgb$^*_{de}$ = 0.0 1.0 0.151

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

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

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

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



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

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

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

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

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

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

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

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

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

$$h_{ab,s} = atan\ [\ r^*_d \cos(30) + g^*_d \cos(150)\ ]\ /\ [\ r^*_d \sin(30) + g^*_d \sin(150) + b^*_d \sin(270)\ ] \quad (1)$$

3. For the 48 or 360 equally spaced standard hue angles $h_{ab,s}$ of the colours of maximum chroma use the seven hue angles of the 60 degree colours *s*: $h_{ab,si}$ = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0, 390.0 (i=0,6) and the equations for a 48 and 360 step hue circle:

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

$$h_{360ab,sij} = h_{ab,si} + j\ [h_{ab,si+1} - h_{ab,si}\ ]\ /60\ (\ i = 0, 1, ..., 5;\ j = 0, 1, ..., 59) \quad (3)$$

4. For the 48 or 360 elementary hue angles $h_{ab,e}$ of the colours of maximum chroma use the seven hue angles of the elementary colours *e*: $h_{ab,ei}$ = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6, 385.5 (i=0,6) and the equations for a 48 and 360 step elementary hue circle:

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

$$h_{360ab,eij} = h_{ab,ei} + j\ [h_{ab,ei+1} - h_{ab,ei}\ ]\ /60\ (\ i = 0, 1, ..., 5;\ j = 0, 1, ..., 59) \quad (5)$$

5. For any elementary hue angle $h_{ab,e}$ there is a well defined device hue angle $h_{ab,d}$ see the following tables, columns 1 to 5 or 1 to 4.
6. The values *rgb*$^*_{de}$ produce the output of the device-independent elementary hues

1−003631−L0 QE370−70 LAB*la0, YN=0%, XYZnw=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB*nw=24.4, 0.0, 0.0, 95.6, 0.0, 0.0

Output: Offset standard print; separation cmy0*, D65, page 7/33

TUB-test chart QE37; hue code: H$^*_d$=Y00G$_d$
48 step hue circles; *rgb−LabCh**tables

input: *rgb/cmyk −> rgb*$_d$
output: transfer to *cmy0*$_d$

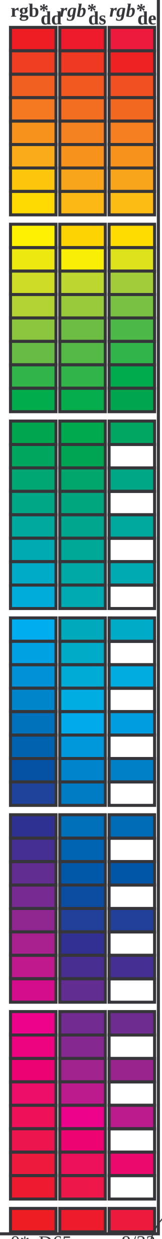
see similar files: http://130.149.60.45/~farbmetrik/QE37/QE37.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

http://130.149.60.45/~farbmetrik/QE37/QE37L0NA.TXT /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 8/33

TUB registration: 20130201-QE37/QE37L0NA.TXT /.PS
TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0 (CMY0)

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

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	*rgb**dd64M			*LAB**ddx64M (x=LabCh)					*rgb**ddx361M			*LAB**ddx361M (x=LabCh)					*rgb**dsx361M			*LAB**dsx361M (x=LabCh)					*rgb**dex361M			*LAB**dex361M				
32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	1.0	0.0	0.0	45.5	70.9	44.9	83.9	32	1.0	0.0	0.096	45.5	71.4	41.2	82.4	30	1.0	0.0	0.255	45.7	72.2	34.4	80.0	25
38.1	37.5	33.8	1.0	0.125	0.0	48.9	62.8	49.4	79.9	38.1	1.0	0.117	0.0	48.7	63.4	49.1	80.2	37	1.0	0.1	0.0	48.2	64.5	48.6	80.7	37	1.0	0.021	0.0	46.0	69.6	45.7	83.3	33
46.8	45.0	42.1	1.0	0.25	0.0	53.6	51.9	55.5	76.0	46.8	1.0	0.25	0.0	53.7	52.0	55.5	76.0	46	1.0	0.223	0.0	52.7	54.4	54.4	76.9	45	1.0	0.183	0.0	51.1	57.9	52.5	78.1	42
56.9	52.5	50.5	1.0	0.375	0.0	59.1	40.3	62.0	74.0	56.9	1.0	0.367	0.0	58.8	41.1	61.7	74.2	56	1.0	0.313	0.0	56.5	46.2	59.1	75.0	52	1.0	0.288	0.0	55.4	48.5	57.8	75.4	49
67.1	60.0	58.8	1.0	0.5	0.0	64.9	28.9	68.6	74.5	67.1	1.0	0.5	0.0	64.9	28.9	68.7	74.5	67	1.0	0.412	0.0	60.9	37.1	64.2	74.2	60	1.0	0.398	0.0	60.3	38.3	63.5	74.1	58
78.6	67.5	67.2	1.0	0.625	0.0	72.1	15.4	77.1	78.6	78.6	1.0	0.617	0.0	71.6	16.5	76.7	78.4	77	1.0	0.498	0.0	64.8	29.1	68.6	74.5	67	1.0	0.494	0.0	64.6	29.5	68.4	74.5	66
86.2	75.0	75.6	1.0	0.75	0.0	77.9	5.4	83.8	84.0	86.2	1.0	0.75	0.0	77.9	5.5	83.9	84.1	86	1.0	0.585	0.0	69.8	20.0	74.7	77.4	75	1.0	0.592	0.0	70.2	19.3	75.2	77.6	75
92.1	82.5	83.9	1.0	0.875	0.0	83.4	−3.4	90.2	90.2	92.1	1.0	0.867	0.0	83.1	−2.7	89.8	89.9	91	1.0	0.68	0.0	74.7	11.3	80.3	81.1	82	1.0	0.703	0.0	75.8	9.4	81.5	82.0	83
96.1	90.0	92.3	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1	1.0	1.0	0.0	87.8	−10.1	95.5	96.0	96	1.0	0.829	0.0	81.4	0.0	88.0	88.0	90	1.0	0.879	0.0	83.6	−3.6	90.4	90.5	92
98.8	97.5	101.0	0.875	1.0	0.0	84.3	−13.9	89.2	90.3	98.8	0.883	1.0	0.0	84.6	−13.6	89.7	90.7	98	0.959	1.0	0.0	86.7	−11.4	93.5	94.2	97	0.807	1.0	0.0	82.4	−15.8	86.2	87.7	100
101.8	105.0	109.7	0.75	1.0	0.0	80.7	−17.5	83.5	85.3	101.8	0.75	1.0	0.0	80.8	−17.4	83.6	85.4	101	0.682	1.0	0.0	77.8	−21.2	79.4	82.2	105	0.583	1.0	0.0	73.7	−26.1	72.7	77.3	109
107.6	112.5	118.5	0.625	1.0	0.0	75.3	−24.0	75.7	79.4	107.6	0.633	1.0	0.0	75.7	−23.6	76.3	79.9	107	0.54	1.0	0.0	72.1	−28.0	69.5	75.0	112	0.434	1.0	0.0	68.0	−32.9	62.2	70.5	117
114.0	120.0	127.2	0.5	1.0	0.0	70.6	−29.7	66.5	72.8	114.0	0.5	1.0	0.0	70.6	−29.6	66.5	72.8	114	0.399	1.0	0.0	66.7	−34.5	59.9	69.2	120	0.322	1.0	0.0	62.6	−40.8	53.8	67.6	127
121.4	127.5	136.0	0.375	1.0	0.0	65.7	−35.6	58.3	68.3	121.4	0.383	1.0	0.0	66.1	−35.2	58.9	68.6	120	0.325	1.0	0.0	62.8	−40.6	54.0	67.6	127	0.249	1.0	0.0	58.4	−47.4	46.8	66.6	135
135.3	135.0	144.7	0.25	1.0	0.0	58.4	−47.3	46.8	66.6	135.3	0.25	1.0	0.0	58.4	−47.3	46.9	66.6	135	0.253	1.0	0.0	58.6	−47.0	47.1	66.7	135	0.122	1.0	0.0	54.6	−54.2	38.4	66.5	144
144.4	142.5	153.4	0.125	1.0	0.0	54.7	−53.9	38.5	66.3	144.4	0.133	1.0	0.0	55.0	−53.5	39.2	66.4	143	0.159	1.0	0.0	55.7	−52.3	40.9	66.4	142	0.03	1.0	0.0	51.2	−62.4	32.0	70.2	152
155.5	150.0	162.2	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5	0.0	1.0	0.0	50.1	−64.9	29.6	71.4	155	0.062	1.0	0.0	52.4	−59.6	34.5	68.9	150	0.0	1.0	0.151	50.7	−62.0	19.9	65.2	162
160.7	157.5	169.0	0.0	1.0	0.125	50.5	−62.8	21.9	66.5	160.7	0.0	1.0	0.117	50.5	−62.9	22.4	66.9	160	0.0	1.0	0.035	50.2	−64.4	27.4	70.0	157	0.0	1.0	0.261	51.3	−58.5	11.8	59.8	168
167.7	165.0	175.9	0.0	1.0	0.25	51.2	−58.9	12.7	60.3	167.7	0.0	1.0	0.25	51.2	−58.8	12.7	60.3	167	0.0	1.0	0.2	51.0	−60.5	16.2	62.8	165	0.0	1.0	0.364	52.0	−55.0	3.9	55.2	175
176.7	172.5	182.7	0.0	1.0	0.375	52.0	−54.5	3.1	54.6	176.7	0.0	1.0	0.367	52.0	−54.8	3.7	55.1	176	0.0	1.0	0.309	51.6	−57.0	8.0	57.7	172	0.0	1.0	0.43	52.5	−52.2	−2.0	52.3	182
189.3	180.0	189.6	0.0	1.0	0.5	52.9	−48.6	−8.0	49.3	189.3	0.0	1.0	0.5	53.0	−48.6	−7.9	49.3	189	0.0	1.0	0.407	52.3	−53.2	0.0	53.3	180	0.0	1.0	0.502	53.0	−48.5	−8.1	49.3	189
203.2	187.5	196.4	0.0	1.0	0.625	54.0	−42.3	−18.1	46.1	203.2	0.0	1.0	0.617	54.0	−42.8	−17.5	46.3	202	0.0	1.0	0.477	52.8	−49.9	−6.0	50.3	187	0.0	1.0	0.56	53.5	−45.9	−13.1	47.8	195
217.2	195.0	203.2	0.0	1.0	0.75	55.0	−36.0	−27.4	45.3	217.2	0.0	1.0	0.75	55.0	−35.9	−27.3	45.3	217	0.0	1.0	0.551	53.4	−46.3	−12.3	48.0	195	0.0	1.0	0.626	54.1	−42.3	−18.1	46.1	203
228.3	202.5	210.1	0.0	1.0	0.875	55.8	−30.7	−34.5	46.2	228.3	0.0	1.0	0.867	55.8	−31.0	−34.0	46.1	227	0.0	1.0	0.614	54.0	−42.9	−17.3	46.4	202	0.0	1.0	0.682	54.5	−39.6	−22.6	45.7	209
238.4	210.0	216.9	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4	0.0	1.0	1.0	56.8	−25.4	−41.4	48.7	238	0.0	1.0	0.685	54.5	−39.5	−22.8	45.7	210	0.0	1.0	0.747	55.0	−36.1	−27.2	45.3	216
242.9	217.5	223.8	0.0	0.875	1.0	54.1	−21.1	−41.3	46.4	242.9	0.0	0.883	1.0	54.3	−21.4	−41.3	46.6	242	0.0	1.0	0.747	55.0	−36.1	−27.2	45.3	217	0.0	1.0	0.819	55.5	−33.2	−31.3	45.8	223
249.3	225.0	230.6	0.0	0.75	1.0	50.4	−15.5	−41.1	43.9	249.3	0.0	0.75	1.0	50.4	−15.4	−41.0	44.0	249	0.0	1.0	0.837	55.6	−32.4	−32.4	45.9	225	0.0	1.0	0.904	56.1	−29.6	−36.1	46.8	230
256.9	232.5	237.5	0.0	0.625	1.0	46.5	−9.4	−40.8	41.9	256.9	0.0	0.633	1.0	46.8	−9.8	−40.8	42.1	256	0.0	1.0	0.92	56.2	−28.9	−37.0	47.1	232	0.0	1.0	0.983	56.7	−26.2	−40.5	48.4	237
268.2	240.0	244.3	0.0	0.5	1.0	41.7	−1.2	−40.6	40.6	268.2	0.0	0.5	1.0	41.7	−1.1	−40.6	40.7	268	0.0	0.956	1.0	55.9	−23.9	−41.4	48.0	240	0.0	0.847	1.0	53.3	−19.8	−41.3	45.9	244
278.6	247.5	251.2	0.0	0.375	1.0	37.3	6.1	−40.2	40.7	278.6	0.0	0.383	1.0	37.6	5.6	−40.2	40.7	277	0.0	0.795	1.0	51.8	−17.4	−41.2	44.9	247	0.0	0.726	1.0	49.7	−14.3	−41.1	43.6	250
289.6	255.0	258.0	0.0	0.25	1.0	32.8	14.3	−40.2	42.7	289.6	0.0	0.25	1.0	32.9	14.4	−40.1	42.7	289	0.0	0.657	1.0	47.5	−10.9	−40.9	42.5	255	0.0	0.613	1.0	46.1	−8.6	−40.8	41.9	258
299.0	262.5	264.8	0.0	0.125	1.0	28.6	22.4	−40.2	46.1	299.0	0.0	0.133	1.0	28.9	21.9	−40.2	45.9	298	0.0	0.569	1.0	44.4	−5.7	−40.9	41.4	262	0.0	0.542	1.0	43.4	−3.9	−40.8	41.1	264
306.2	270.0	271.7	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2	0.0	0.0	1.0	25.1	29.6	−40.3	50.1	306	0.0	0.479	1.0	41.0	0.0	−40.6	40.7	270	0.0	0.458	1.0	40.3	1.2	−40.6	40.7	271
314.7	277.5	278.8	0.125	0.0	1.0	27.9	36.0	−36.4	51.2	314.7	0.117	0.0	1.0	27.7	35.7	−36.6	51.2	314	0.0	0.395	1.0	38.1	5.0	−40.3	40.7	277	0.0	0.378	1.0	37.5	5.9	−40.2	40.7	278
322.1	285.0	285.9	0.25	0.0	1.0	28.8	41.9	−32.5	53.1	322.1	0.25	0.0	1.0	28.9	42.0	−32.5	53.2	322	0.0	0.303	1.0	34.8	10.8	−40.3	41.9	285	0.0	0.292	1.0	34.4	11.6	−40.3	42.0	285
333.3	292.5	293.0	0.375	0.0	1.0	32.7	51.8	−26.0	58.0	333.3	0.367	0.0	1.0	32.5	51.3	−26.5	57.7	332	0.0	0.219	1.0	31.8	16.3	−40.3	43.6	292	0.0	0.211	1.0	31.5	16.8	−40.3	43.8	292
340.5	300.0	300.1	0.5	0.0	1.0	35.6	58.6	−20.7	62.1	340.5	0.5	0.0	1.0	35.6	58.6	−20.6	62.2	340	0.0	0.109	1.0	28.2	23.3	−40.3	46.6	300	0.0	0.106	1.0	28.1	23.5	−40.3	46.7	300
347.9	307.5	307.2	0.625	0.0	1.0	38.1	65.4	−14.0	66.9	347.9	0.617	0.0	1.0	37.9	65.1	−14.4	66.7	347	0.011	0.0	1.0	25.3	30.2	−40.0	50.2	307	0.009	0.0	1.0	25.3	30.1	−40.1	50.2	306
352.5	315.0	314.3	0.75	0.0	1.0	41.8	71.0	−9.2	71.6	352.5	0.75	0.0	1.0	41.8	71.0	−9.2	71.6	352	0.13	0.0	1.0	27.9	36.3	−36.2	51.3	315	0.12	0.0	1.0	27.8	35.8	−36.5	51.2	314
356.1	322.5	321.4	0.875	0.0	1.0	44.2	75.2	−5.0	75.3	356.1	0.867	0.0	1.0	44.1	74.9	−5.3	75.1	355	0.247	0.0	1.0	28.9	41.9	−32.6	53.1	322	0.231	0.0	1.0	28.7	41.1	−33.2	52.9	321
359.8	330.0	328.6	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8	1.0	0.0	1.0	46.1	79.3	−0.1	79.3	359	0.337	0.0	1.0	31.6	49.0	−28.2	56.6	330	0.322	0.0	1.0	31.1	47.8	−29.1	56.0	328
363.0	337.5	335.7	1.0	0.0	0.875	45.9	78.2	4.1	78.3	363.0	1.0	0.0	0.883	46.0	78.3	3.9	78.4	362	0.438	0.0	1.0	34.2	55.4	−23.4	60.1	337	0.408	0.0	1.0	33.5	53.7	−24.7	59.1	335
366.4	345.0	342.8	1.0	0.0	0.75	45.9	77.1	8.6	77.6	366.4	1.0	0.0	0.75	46.0	77.2	8.7	77.7	366	0.576	0.0	1.0	37.1	62.9	−16.7	65.1	345	0.539	0.0	1.0	36.4	60.8	−18.7	63.7	342
371.1	352.5	349.9	1.0	0.0	0.625	46.0	75.6	14.8	77.0	371.1	1.0	0.0	0.633	46.0	75.8	14.5	77.1	370	0.735	0.0	1.0	41.4	70.4	−9.8	71.1	352	0.667	0.0	1.0	39.3	67.4	−12.4	68.5	349
375.9	360.0	357.0	1.0	0.0	0.5	45.9	74.2	21.1	77.1	375.9	1.0	0.0	0.5	45.9	74.2	21.2	77.2	375	1.0	0.0	0.994	46.1	79.3	0.0	79.3	360	0.736	0.0	1.0	41.4	70.5	−9.7	71.1	352
381.2	367.5	364.1	1.0	0.0	0.375	45.8	72.9	28.3	78.3	381.2	1.0	0.0	0.383	45.8	73.1	27.9	78.2	380	1.0	0.0	0.734	46.0	77.0	9.5	77.6	367	1.0	0.0	1.0	46.1	79.3	−0.1	79.3	359
385.6	375.0	371.2	1.0	0.0	0.25	45.6	72.1	34.6	80.0	385.6	1.0	0.0	0.25	45.6	72.2	34.7	80.1	385	1.0	0.0	0.524	45.9	74.5	20.0	77.2	375	1.0	0.0	0.687	46.0	76.5	11.8	77.4	368
389.3	382.5	378.3	1.0	0.0	0.125	45.5	71.4	40.1	81.9	389.3	1.0	0.0	0.133	45.6	71.5	39.8	81.8	389	1.0	0.0	0.353	45.8	72.9	29.4	78.6	382	1.0	0.0	0.485	45.9	74.1	22.0	77.3	376
392.3	390.0	385.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	392.3	1.0	0.0	0.0	45.5	70.9	44.9	83.9	392	1.0	0.0	0.096	45.5	71.4	41.2	82.4	390	1.0	0.0	0.255	45.7	72.2	34.4	80.0	385



1−003731−L0 QE370−70 LAB*la0, YN=0%, XYZnw=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB*nw=24.4, 0.0, 0.0, 95.6, 0.0, 0.0

Output: Offset standard print; separation cmy0*, D65, page 8/33

TUB-test chart QE37; hue code: H*$_d$=Y00G$_d$
48 step hue circles; *rgb−LabCh**tables

input: *rgb/cmyk −> rgb*$_d$
output: transfer to *cmy0*$_d$

see similar files: http://130.149.60.45/~farbmetrik/QE37/QE37.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

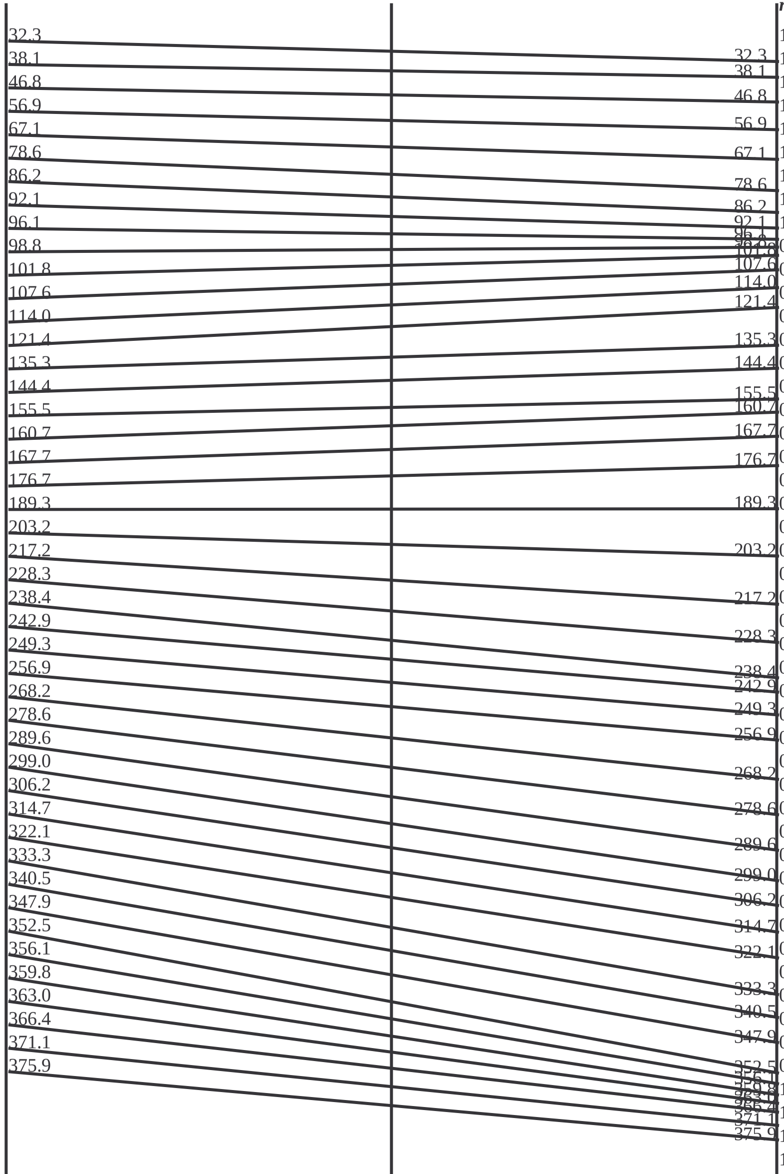
QE3700L

http://130.149.60.45/~farbmetrik/QE37/QE37L0NA.TXT /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 9/33

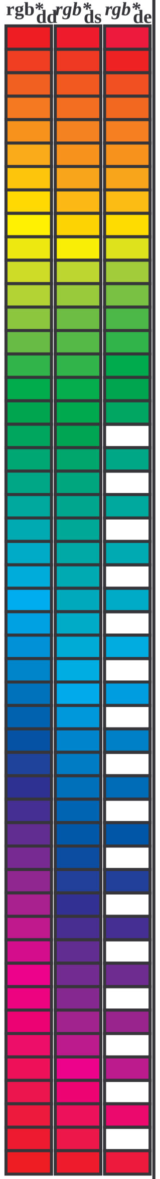
TUB registration: 20130201-QE37/QE37L0NA.TXT /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0 (CMY0)

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

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	*rgb**dd64M			*LAB**ddx64M (x=LabCh)				
32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
38.1	37.5	33.8	1.0	0.125	0.0	48.9	62.8	49.4	79.9	38.1
46.8	45.0	42.1	1.0	0.25	0.0	53.6	51.9	55.5	76.0	46.8
56.9	52.5	50.5	1.0	0.375	0.0	59.1	40.3	62.0	74.0	56.9
67.1	60.0	58.8	1.0	0.5	0.0	64.9	28.9	68.6	74.5	67.1
78.6	67.5	67.2	1.0	0.625	0.0	72.1	15.4	77.1	78.6	78.6
86.2	75.0	75.6	1.0	0.75	0.0	77.9	5.4	83.8	84.0	86.2
92.1	82.5	83.9	1.0	0.875	0.0	83.4	−3.4	90.2	90.2	92.1
96.1	90.0	92.3	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
98.8	97.5	101.0	0.875	1.0	0.0	84.3	−13.9	89.2	90.3	98.8
101.8	105.0	109.7	0.75	1.0	0.0	80.7	−17.5	83.5	85.3	101.8
107.6	112.5	118.5	0.625	1.0	0.0	75.3	−24.0	75.7	79.4	107.6
114.0	120.0	127.2	0.5	1.0	0.0	70.6	−29.7	66.5	72.8	114.0
121.4	127.5	136.0	0.375	1.0	0.0	65.7	−35.6	58.3	68.3	121.4
135.3	135.0	144.7	0.25	1.0	0.0	58.4	−47.3	46.8	66.6	135.3
144.4	142.5	153.4	0.125	1.0	0.0	54.7	−53.9	38.5	66.3	144.4
155.5	150.0	162.2	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
160.7	157.5	169.0	0.0	1.0	0.125	50.5	−62.8	21.9	66.5	160.7
167.7	165.0	175.9	0.0	1.0	0.25	51.2	−58.9	12.7	60.3	167.7
176.7	172.5	182.7	0.0	1.0	0.375	52.0	−54.5	3.1	54.6	176.7
189.3	180.0	189.6	0.0	1.0	0.5	52.9	−48.6	−8.0	49.3	189.3
203.2	187.5	196.4	0.0	1.0	0.625	54.0	−42.3	−18.1	46.1	203.2
217.2	195.0	203.2	0.0	1.0	0.75	55.0	−36.0	−27.4	45.3	217.2
228.3	202.5	210.1	0.0	1.0	0.875	55.8	−30.7	−34.5	46.2	228.3
238.4	210.0	216.9	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
242.9	217.5	223.8	0.0	0.875	1.0	54.1	−21.1	−41.3	46.4	242.9
249.3	225.0	230.6	0.0	0.75	1.0	50.4	−15.5	−41.1	43.9	249.3
256.9	232.5	237.5	0.0	0.625	1.0	46.5	−9.4	−40.8	41.9	256.9
268.2	240.0	244.3	0.0	0.5	1.0	41.7	−1.2	−40.6	40.6	268.2
278.6	247.5	251.2	0.0	0.375	1.0	37.3	6.1	−40.2	40.7	278.6
289.6	255.0	258.0	0.0	0.25	1.0	32.8	14.3	−40.2	42.7	289.6
299.0	262.5	264.8	0.0	0.125	1.0	28.6	22.4	−40.2	46.1	299.0
306.2	270.0	271.7	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
314.7	277.5	278.8	0.125	0.0	1.0	27.9	36.0	−36.4	51.2	314.7
322.1	285.0	285.9	0.25	0.0	1.0	28.8	41.9	−32.5	53.1	322.1
333.3	292.5	293.0	0.375	0.0	1.0	32.7	51.8	−26.0	58.0	333.3
340.5	300.0	300.1	0.5	0.0	1.0	35.6	58.6	−20.7	62.1	340.5
347.9	307.5	307.2	0.625	0.0	1.0	38.1	65.4	−14.0	66.9	347.9
352.5	315.0	314.3	0.75	0.0	1.0	41.8	71.0	−9.2	71.6	352.5
356.1	322.5	321.4	0.875	0.0	1.0	44.2	75.2	−5.0	75.3	356.1
359.8	330.0	328.6	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
363.0	337.5	335.7	1.0	0.0	0.875	45.9	78.2	4.1	78.3	363.0
366.4	345.0	342.8	1.0	0.0	0.75	45.9	77.1	8.6	77.6	366.4
371.1	352.5	349.9	1.0	0.0	0.625	46.0	75.6	14.8	77.0	371.1
375.9	360.0	357.0	1.0	0.0	0.5	45.9	74.2	21.1	77.1	375.9
381.2	367.5	364.1	1.0	0.0	0.375	45.8	72.9	28.3	78.3	381.2
385.6	375.0	371.2	1.0	0.0	0.25	45.6	72.1	34.6	80.0	385.6
389.3	382.5	378.3	1.0	0.0	0.125	45.5	71.4	40.1	81.9	389.3
392.3	390.0	385.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	392.3



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



1−003831−L0 QE370−70 LAB*la0, YN=0%, XYZnw=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB*nw=24.4, 0.0, 0.0, 95.6, 0.0, 0.0

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

TUB-test chart QE37; hue code: H^*_d=Y00G$_d$
48 step hue circles; *rgb−LabCh**tables

input: *rgb/cmyk −> rgb*$_d$
output: transfer to *cmy0*$_d$

1−003831−F0

see similar files: http://130.149.60.45/~farbmetrik/QE37/QE37.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

QE3700L

http://130.149.60.45/~farbmetrik/QE37/QE37L0NA.TXT /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 10/33

TUB registration: 20130201-QE37/QE37L0NA.TXT /.PS
TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0 (CMY0)

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

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*dd361M			LAB^*ddx361Mi (x=LabCh)						rgb^*ds361Mi			LAB^*dsx361Mi (x=LabCh)						rgb^*dd361Mi			rgb^*de361Mi			LAB^*dex361Mi (x=LabCh)						rgb^*dd361Mi			rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
32	30	25	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32	R_d	1.0	0.0	0.096	45.5	71.4	41.2	82.4	30	R_s	1.0	0.0	0.0	1.0	0.0	0.255	45.7	72.2	34.4	80.0	25	R_e	1.0	0.0	0.0	■	■	■
33	31	26	1.0	0.016	0.0	45.9	69.8	45.5	83.4	33		1.0	0.0	0.055	45.5	71.2	42.8	83.1	31		1.0	0.017	0.0	1.0	0.0	0.218	45.6	72.0	36.1	80.6	26		1.0	0.017	0.0	■	■	■
33	32	27	1.0	0.033	0.0	46.3	68.8	46.1	82.8	33		1.0	0.0	0.013	45.5	71.0	44.4	83.7	32		1.0	0.033	0.0	1.0	0.0	0.18	45.6	71.8	37.7	81.1	27		1.0	0.033	0.0	■	■	■
34	33	28	1.0	0.05	0.0	46.8	67.7	46.8	82.3	34		1.0	0.015	0.0	45.9	70.0	45.5	83.5	33		1.0	0.05	0.0	1.0	0.0	0.142	45.6	71.6	39.4	81.7	28		1.0	0.05	0.0	■	■	■
35	34	29	1.0	0.066	0.0	47.3	66.6	47.4	81.8	35		1.0	0.036	0.0	46.5	68.6	46.3	82.8	34		1.0	0.067	0.0	1.0	0.0	0.099	45.5	71.4	41.1	82.4	29		1.0	0.067	0.0	■	■	■
36	35	31	1.0	0.083	0.0	47.7	65.5	48.0	81.2	36		1.0	0.057	0.0	47.1	67.3	47.1	82.1	35		1.0	0.083	0.0	1.0	0.0	0.053	45.5	71.2	42.9	83.1	31		1.0	0.083	0.0	■	■	■
36	36	32	1.0	0.1	0.0	48.2	64.4	48.5	80.7	36		1.0	0.079	0.0	47.6	65.9	47.9	81.4	36		1.0	0.1	0.0	1.0	0.0	0.006	45.5	71.0	44.6	83.8	32		1.0	0.1	0.0	■	■	■
37	37	33	1.0	0.116	0.0	48.6	63.3	49.1	80.2	37		1.0	0.1	0.0	48.2	64.5	48.6	80.7	37		1.0	0.117	0.0	1.0	0.021	0.0	46.0	69.6	45.7	83.3	33		1.0	0.117	0.0	■	■	■
38	38	34	1.0	0.133	0.0	49.2	62.1	49.8	79.6	38		1.0	0.121	0.0	48.8	63.1	49.3	80.1	38		1.0	0.133	0.0	1.0	0.044	0.0	46.7	68.1	46.6	82.5	34		1.0	0.133	0.0	■	■	■
39	39	35	1.0	0.15	0.0	49.8	60.7	50.7	79.1	39		1.0	0.137	0.0	49.4	61.8	50.1	79.6	39		1.0	0.15	0.0	1.0	0.068	0.0	47.4	66.6	47.5	81.8	35		1.0	0.15	0.0	■	■	■
41	40	36	1.0	0.166	0.0	50.5	59.2	51.6	78.6	41		1.0	0.151	0.0	49.9	60.6	50.9	79.1	40		1.0	0.167	0.0	1.0	0.092	0.0	48.0	65.0	48.3	81.0	36		1.0	0.167	0.0	■	■	■
42	41	37	1.0	0.183	0.0	51.1	57.8	52.5	78.1	42		1.0	0.166	0.0	50.5	59.4	51.6	78.7	41		1.0	0.183	0.0	1.0	0.116	0.0	48.7	63.5	49.1	80.2	37		1.0	0.183	0.0	■	■	■
43	42	38	1.0	0.2	0.0	51.7	56.3	53.3	77.5	43		1.0	0.18	0.0	51.0	58.1	52.3	78.2	42		1.0	0.2	0.0	1.0	0.135	0.0	49.3	62.0	49.9	79.6	38		1.0	0.2	0.0	■	■	■
44	43	39	1.0	0.216	0.0	52.4	54.9	54.0	77.0	44		1.0	0.194	0.0	51.6	56.9	53.0	77.8	43		1.0	0.217	0.0	1.0	0.151	0.0	49.9	60.7	50.8	79.1	39		1.0	0.217	0.0	■	■	■
45	44	41	1.0	0.233	0.0	53.0	53.4	54.8	76.5	45		1.0	0.209	0.0	52.1	55.6	53.7	77.3	44		1.0	0.233	0.0	1.0	0.167	0.0	50.5	59.3	51.7	78.6	41		1.0	0.233	0.0	■	■	■
46	45	42	1.0	0.25	0.0	53.6	51.9	55.5	76.0	46		1.0	0.223	0.0	52.7	54.4	54.4	76.9	45		1.0	0.25	0.0	1.0	0.183	0.0	51.1	57.9	52.5	78.1	42		1.0	0.25	0.0	■	■	■
48	46	43	1.0	0.266	0.0	54.4	50.4	56.5	75.7	48		1.0	0.237	0.0	53.2	53.1	55.0	76.4	46		1.0	0.267	0.0	1.0	0.198	0.0	51.7	56.5	53.2	77.6	43		1.0	0.267	0.0	■	■	■
49	47	44	1.0	0.283	0.0	55.1	48.9	57.4	75.4	49		1.0	0.251	0.0	53.7	51.8	55.6	76.0	47		1.0	0.283	0.0	1.0	0.214	0.0	52.3	55.1	54.0	77.1	44		1.0	0.283	0.0	■	■	■
50	48	45	1.0	0.3	0.0	55.8	47.4	58.4	75.2	50		1.0	0.264	0.0	54.3	50.7	56.3	75.8	48		1.0	0.3	0.0	1.0	0.23	0.0	52.9	53.7	54.7	76.6	45		1.0	0.3	0.0	■	■	■
52	49	46	1.0	0.316	0.0	56.6	45.8	59.2	74.9	52		1.0	0.276	0.0	54.8	49.6	57.1	75.6	49		1.0	0.317	0.0	1.0	0.246	0.0	53.5	52.3	55.4	76.1	46		1.0	0.317	0.0	■	■	■
53	50	47	1.0	0.333	0.0	57.3	44.2	60.1	74.6	53		1.0	0.288	0.0	55.4	48.5	57.8	75.4	50		1.0	0.333	0.0	1.0	0.261	0.0	54.2	51.0	56.2	75.9	47		1.0	0.333	0.0	■	■	■
54	51	48	1.0	0.35	0.0	58.0	42.7	60.9	74.4	54		1.0	0.301	0.0	55.9	47.3	58.5	75.2	51		1.0	0.35	0.0	1.0	0.274	0.0	54.8	49.8	57.0	75.6	48		1.0	0.35	0.0	■	■	■
56	52	49	1.0	0.366	0.0	58.8	41.1	61.7	74.1	56		1.0	0.313	0.0	56.5	46.2	59.1	75.0	52		1.0	0.367	0.0	1.0	0.288	0.0	55.4	48.5	57.8	75.4	49		1.0	0.367	0.0	■	■	■
57	53	51	1.0	0.383	0.0	59.5	39.5	62.5	74.0	57		1.0	0.326	0.0	57.0	45.0	59.8	74.8	53		1.0	0.383	0.0	1.0	0.302	0.0	56.0	47.2	58.5	75.2	51		1.0	0.383	0.0	■	■	■
59	54	52	1.0	0.4	0.0	60.3	38.1	63.5	74.1	59		1.0	0.338	0.0	57.6	43.9	60.4	74.6	54		1.0	0.4	0.0	1.0	0.316	0.0	56.6	45.9	59.3	75.0	52		1.0	0.4	0.0	■	■	■
60	55	53	1.0	0.416	0.0	61.0	36.6	64.5	74.1	60		1.0	0.35	0.0	58.1	42.7	61.0	74.4	55		1.0	0.417	0.0	1.0	0.33	0.0	57.2	44.6	60.0	74.8	53		1.0	0.417	0.0	■	■	■
61	56	54	1.0	0.433	0.0	61.8	35.1	65.4	74.2	61		1.0	0.363	0.0	58.6	41.5	61.5	74.2	56		1.0	0.433	0.0	1.0	0.343	0.0	57.8	43.3	60.6	74.5	54		1.0	0.433	0.0	■	■	■
63	57	55	1.0	0.45	0.0	62.6	33.6	66.2	74.3	63		1.0	0.375	0.0	59.2	40.3	62.1	74.0	57		1.0	0.45	0.0	1.0	0.357	0.0	58.4	42.0	61.3	74.3	55		1.0	0.45	0.0	■	■	■
64	58	56	1.0	0.466	0.0	63.3	32.0	67.1	74.4	64		1.0	0.387	0.0	59.8	39.3	62.8	74.1	58		1.0	0.467	0.0	1.0	0.371	0.0	59.0	40.7	61.9	74.1	56		1.0	0.467	0.0	■	■	■
65	59	57	1.0	0.483	0.0	64.1	30.5	67.9	74.4	65		1.0	0.4	0.0	60.3	38.2	63.5	74.1	59		1.0	0.483	0.0	1.0	0.385	0.0	59.6	39.5	62.7	74.1	57		1.0	0.483	0.0	■	■	■
67	60	58	1.0	0.5	0.0	64.9	28.9	68.6	74.5	67		1.0	0.412	0.0	60.9	37.1	64.2	74.2	60		1.0	0.5	0.0	1.0	0.398	0.0	60.3	38.3	63.5	74.1	58		1.0	0.5	0.0	■	■	■
68	61	60	1.0	0.516	0.0	65.8	27.2	69.9	75.0	68		1.0	0.424	0.0	61.4	36.0	64.9	74.2	61		1.0	0.517	0.0	1.0	0.412	0.0	60.9	37.1	64.2	74.2	60		1.0	0.517	0.0	■	■	■
70	62	61	1.0	0.533	0.0	66.8	25.5	71.1	75.6	70		1.0	0.436	0.0	62.0	34.9	65.6	74.3	62		1.0	0.533	0.0	1.0	0.426	0.0	61.5	35.8	65.0	74.2	61		1.0	0.533	0.0	■	■	■
71	63	62	1.0	0.55	0.0	67.7	23.8	72.3	76.1	71		1.0	0.449	0.0	62.6	33.7	66.2	74.3	63		1.0	0.55	0.0	1.0	0.439	0.0	62.1	34.6	65.7	74.3	62		1.0	0.55	0.0	■	■	■
73	64	63	1.0	0.566	0.0	68.7	22.0	73.5	76.7	73		1.0	0.461	0.0	63.1	32.6	66.9	74.4	64		1.0	0.567	0.0	1.0	0.453	0.0	62.8	33.3	66.4	74.3	63		1.0	0.567	0.0	■	■	■
74	65	64	1.0	0.583	0.0	69.7	20.2	74.6	77.3	74		1.0	0.473	0.0	63.7	31.5	67.5	74.4	65		1.0	0.583	0.0	1.0	0.467	0.0	63.4	32.1	67.1	74.4	64		1.0	0.583	0.0	■	■	■
76	66	65	1.0	0.6	0.0	70.6	18.3	75.6	77.8	76		1.0	0.486	0.0	64.2	30.3	68.0	74.5	66		1.0	0.6	0.0	1.0	0.48	0.0	64.0	30.8	67.8	74.5	65		1.0	0.6	0.0	■	■	■
77	67	66	1.0	0.616	0.0	71.6	16.4	76.6	78.4	77		1.0	0.498	0.0	64.8	29.1	68.6	74.5	67		1.0	0.617	0.0	1.0	0.494	0.0	64.6	29.5	68.4	74.5	66		1.0	0.617	0.0	■	■	■
79	68	67	1.0	0.633	0.0	72.5	14.8	77.6	79.0	79		1.0	0.509	0.0	65.4	28.0	69.4	74.8	68		1.0	0.633	0.0	1.0	0.507	0.0	65.3	28.2	69.2	74.8	67		1.0	0.633	0.0	■	■	■
80	69	68	1.0	0.65	0.0	73.2	13.6	78.5	79.7	80		1.0	0.52	0.0	66.1	26.9	70.2	75.2	69		1.0	0.65	0.0	1.0	0.519	0.0	66.0	27.0	70.1	75.2	68		1.0	0.65	0.0	■	■	■
81	70	70	1.0	0.666	0.0	74.0	12.3	79.5	80.4	81		1.0	0.531	0.0	66.7	25.8	71.0	75.6	70		1.0	0.667	0.0	1.0	0.531	0.0	66.7	25.8	71.0	75.6	70		1.0	0.667	0.0	■	■	■
82	71	71	1.0	0.683	0.0	74.8	11.0	80.4	81.1	82		1.0	0.542	0.0	67.3	24.7	71.8	75.9	71		1.0	0.683	0.0	1.0	0.543	0.0	67.4	24.6	71.9	76.0	71		1.0	0.683	0.0	■	■	■
83	72	72	1.0	0.7	0.0	75.6	9.6	81.3	81.9	83		1.0	0.553	0.0	67.9	23.6	72.6	76.3	72		1.0	0.7	0.0	1.0	0.555	0.0	68.1	23.3	72.8	76.4	72		1.0	0.7	0.0	■	■	■
84	73	73	1.0	0.716	0.0	76.3	8.3	82.2	82.6	84		1.0	0.564	0.0	68.6	22.4	73.3	76.6	73		1.0	0.717	0.0	1.0	0.568	0.0	68.8	22.0	73.6	76.8	73		1.0	0.717	0.0	■	■	■
85	74	74	1.0	0.733	0.0	77.1	6.9	83.0	83.3	85		1.0	0.574	0.0	69.2	21.2	74.0	77.0	74		1.0	0.733	0.0	1.0	0.58	0.0	69.5	20.6	74.4	77.2	74		1.0	0.733	0.0	■	■	■
86	75	75	1.0	0.75	0.0	77.9	5.4	83.8	84.0	86		1.0	0.585	0.0	69.8	20.0	74.7	77.4	75		1.0	0.75	0.0	1.0	0.592	0.0	70.2	19.3	75.2	77.6	75		1.0	0.75	0.0	■	■	■

1−003931−L0 QE370−70 LAB*la0, YN=0%, XYZnw=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB*nw=24.4, 0.0, 0.0, 95.6, 0.0, 0.0

Output: Offset standard print; separation cmy0*, D65, page 10/33

TUB-test chart QE37; hue code: H^*_d=Y00G_d
48 step hue circles; *rgb−LabCh**tables

input: *rgb/cmyk −> rgb*$_d$
output: transfer to *cmy0*$_d$

see similar files: http://130.149.60.45/~farbmetrik/QE37/QE37.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

1−003931−F0

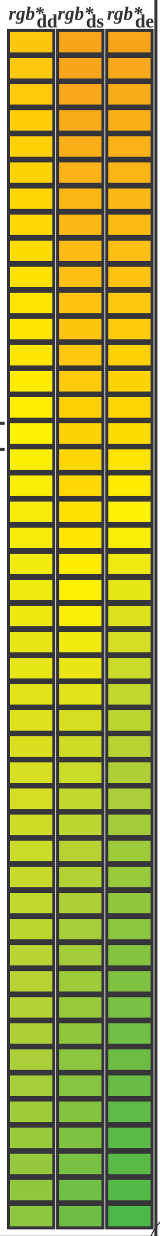
QE3700L

http://130.149.60.45/~farbmetrik/QE37/QE37L0NA.TXT /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 11/33

TUB registration: 20130201-QE37/QE37L0NA.TXT /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0 (CMY0)

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

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}			$LAB^*_{ddx361Mi}$ (x=LabCh)						$rgb^*_{ds361Mi}$			$LAB^*_{dsx361Mi}$ (x=LabCh)						$rgb^*_{dd361Mi}$			$rgb^*_{de361Mi}$			$LAB^*_{dex361Mi}$ (x=LabCh)						$rgb^*_{dd361Mi}$		
86	75	75	1.0	0.75	0.0	77.9	5.4	83.8	84.0	86		1.0	0.585	0.0	69.8	20.0	74.7	77.4	75		1.0	0.75	0.0	1.0	0.592	0.0	70.2	19.3	75.2	77.6	75		1.0	0.75	0.0
87	76	76	1.0	0.766	0.0	78.6	4.3	84.7	84.8	87		1.0	0.596	0.0	70.5	18.8	75.4	77.7	76		1.0	0.767	0.0	1.0	0.604	0.0	70.9	17.9	75.9	78.0	76		1.0	0.767	0.0
87	77	77	1.0	0.783	0.0	79.4	3.2	85.6	85.7	87		1.0	0.607	0.0	71.1	17.6	76.1	78.1	77		1.0	0.783	0.0	1.0	0.616	0.0	71.6	16.5	76.6	78.4	77		1.0	0.783	0.0
88	78	78	1.0	0.8	0.0	80.1	2.0	86.5	86.5	88		1.0	0.618	0.0	71.7	16.3	76.7	78.5	78		1.0	0.8	0.0	1.0	0.63	0.0	72.4	15.1	77.4	78.9	78		1.0	0.8	0.0
89	79	80	1.0	0.816	0.0	80.8	0.8	87.3	87.3	89		1.0	0.631	0.0	72.4	15.1	77.5	78.9	79		1.0	0.817	0.0	1.0	0.648	0.0	73.2	13.8	78.5	79.7	80		1.0	0.817	0.0
90	80	81	1.0	0.833	0.0	81.6	−0.3	88.2	88.2	90		1.0	0.647	0.0	73.2	13.8	78.4	79.6	80		1.0	0.833	0.0	1.0	0.667	0.0	74.1	12.3	79.5	80.5	81		1.0	0.833	0.0
91	81	82	1.0	0.85	0.0	82.3	−1.5	89.0	89.0	91		1.0	0.664	0.0	73.9	12.6	79.4	80.4	81		1.0	0.85	0.0	1.0	0.685	0.0	74.9	10.9	80.5	81.3	82		1.0	0.85	0.0
91	82	83	1.0	0.866	0.0	83.1	−2.8	89.8	89.8	91		1.0	0.68	0.0	74.7	11.3	80.3	81.1	82		1.0	0.867	0.0	1.0	0.703	0.0	75.8	9.4	81.5	82.0	83		1.0	0.867	0.0
92	83	84	1.0	0.883	0.0	83.7	−3.8	90.5	90.6	92		1.0	0.697	0.0	75.5	10.0	81.2	81.8	83		1.0	0.883	0.0	1.0	0.721	0.0	76.6	7.9	82.4	82.8	84		1.0	0.883	0.0
92	84	85	1.0	0.9	0.0	84.3	−4.7	91.3	91.4	92		1.0	0.713	0.0	76.2	8.6	82.0	82.5	84		1.0	0.9	0.0	1.0	0.74	0.0	77.5	6.4	83.4	83.6	85		1.0	0.9	0.0
93	85	86	1.0	0.916	0.0	84.9	−5.6	92.0	92.2	93		1.0	0.729	0.0	77.0	7.2	82.9	83.2	85		1.0	0.917	0.0	1.0	0.76	0.0	78.4	4.8	84.4	84.6	86		1.0	0.917	0.0
94	86	87	1.0	0.933	0.0	85.5	−6.5	92.7	92.9	94		1.0	0.746	0.0	77.7	5.9	83.7	83.9	86		1.0	0.933	0.0	1.0	0.784	0.0	79.4	3.2	85.7	85.7	87		1.0	0.933	0.0
94	87	88	1.0	0.95	0.0	86.0	−7.4	93.4	93.7	94		1.0	0.766	0.0	78.6	4.4	84.7	84.8	87		1.0	0.95	0.0	1.0	0.807	0.0	80.5	1.6	86.9	86.9	88		1.0	0.95	0.0
95	88	90	1.0	0.966	0.0	86.6	−8.3	94.1	94.5	95		1.0	0.787	0.0	79.6	3.0	85.8	85.9	88		1.0	0.967	0.0	1.0	0.831	0.0	81.5	0.0	88.1	88.1	90		1.0	0.967	0.0
95	89	91	1.0	0.983	0.0	87.2	−9.2	94.8	95.2	95		1.0	0.808	0.0	80.5	1.5	86.9	86.9	89		1.0	0.983	0.0	1.0	0.854	0.0	82.6	−1.8	89.2	89.3	91		1.0	0.983	0.0
96	90	92	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96	Y_d	1.0	0.829	0.0	81.4	0.0	88.0	88.0	90	Y_s	1.0	1.0	0.0	1.0	0.879	0.0	83.6	−3.6	90.4	90.5	92	Y_e	1.0	1.0	0.0
96	91	93	0.983	1.0	0.0	87.3	−10.7	94.6	95.2	96		1.0	0.85	0.0	82.4	−1.5	89.0	89.0	91		0.983	1.0	0.0	1.0	0.916	0.0	84.9	−5.5	92.0	92.2	93		0.983	1.0	0.0
96	92	94	0.966	1.0	0.0	86.8	−11.2	93.8	94.5	96		1.0	0.871	0.0	83.3	−3.0	90.0	90.1	92		0.967	1.0	0.0	1.0	0.953	0.0	86.2	−7.5	93.6	93.9	94		0.967	1.0	0.0
97	93	95	0.95	1.0	0.0	86.4	−11.7	93.0	93.7	97		1.0	0.901	0.0	84.4	−4.7	91.4	91.5	93		0.95	1.0	0.0	1.0	0.99	0.0	87.5	−9.6	95.1	95.6	95		0.95	1.0	0.0
97	94	96	0.933	1.0	0.0	85.9	−12.2	92.2	93.0	97		1.0	0.933	0.0	85.5	−6.4	92.7	93.0	94		0.933	1.0	0.0	0.961	1.0	0.0	86.7	−11.3	93.6	94.3	96		0.933	1.0	0.0
97	95	98	0.916	1.0	0.0	85.5	−12.7	91.3	92.2	97		1.0	0.965	0.0	86.6	−8.1	94.1	94.4	95		0.917	1.0	0.0	0.907	1.0	0.0	85.3	−12.9	90.9	91.8	98		0.917	1.0	0.0
98	96	99	0.9	1.0	0.0	85.0	−13.2	90.5	91.5	98		1.0	0.997	0.0	87.7	−9.9	95.4	95.9	96		0.9	1.0	0.0	0.856	1.0	0.0	83.8	−14.4	88.4	89.6	99		0.9	1.0	0.0
98	97	100	0.883	1.0	0.0	84.5	−13.6	89.7	90.7	98		0.959	1.0	0.0	86.7	−11.4	93.5	94.2	97		0.883	1.0	0.0	0.807	1.0	0.0	82.4	−15.8	86.2	87.7	100		0.883	1.0	0.0
99	98	101	0.866	1.0	0.0	84.1	−14.1	88.9	90.0	99		0.914	1.0	0.0	85.4	−12.7	91.2	92.1	98		0.867	1.0	0.0	0.759	1.0	0.0	81.0	−17.2	84.0	85.7	101		0.867	1.0	0.0
99	99	102	0.85	1.0	0.0	83.6	−14.6	88.1	89.3	99		0.869	1.0	0.0	84.2	−14.0	89.0	90.1	99		0.85	1.0	0.0	0.729	1.0	0.0	79.9	−18.6	82.3	84.4	102		0.85	1.0	0.0
99	100	103	0.833	1.0	0.0	83.1	−15.1	87.4	88.7	99		0.827	1.0	0.0	83.0	−15.3	87.1	88.5	100		0.833	1.0	0.0	0.704	1.0	0.0	78.8	−20.0	80.8	83.2	103		0.833	1.0	0.0
100	101	105	0.816	1.0	0.0	82.6	−15.6	86.6	88.0	100		0.785	1.0	0.0	81.8	−16.5	85.2	86.8	101		0.817	1.0	0.0	0.679	1.0	0.0	77.7	−21.3	79.2	82.0	105		0.817	1.0	0.0
100	102	106	0.8	1.0	0.0	82.2	−16.1	85.8	87.3	100		0.747	1.0	0.0	80.6	−17.6	83.4	85.2	102		0.8	1.0	0.0	0.654	1.0	0.0	76.6	−22.6	77.6	80.8	106		0.8	1.0	0.0
101	103	107	0.783	1.0	0.0	81.7	−16.6	85.1	86.7	101		0.725	1.0	0.0	79.7	−18.8	82.0	84.2	103		0.783	1.0	0.0	0.628	1.0	0.0	75.5	−23.8	76.0	79.6	107		0.783	1.0	0.0
101	104	108	0.766	1.0	0.0	81.2	−17.0	84.3	86.0	101		0.703	1.0	0.0	78.7	−20.0	80.7	83.2	104		0.767	1.0	0.0	0.605	1.0	0.0	74.6	−25.0	74.3	78.4	108		0.767	1.0	0.0
101	105	109	0.75	1.0	0.0	80.7	−17.5	83.5	85.3	101		0.682	1.0	0.0	77.8	−21.2	79.4	82.2	105		0.75	1.0	0.0	0.583	1.0	0.0	73.7	−26.1	72.7	77.3	109		0.75	1.0	0.0
102	106	110	0.733	1.0	0.0	80.0	−18.4	82.5	84.6	102		0.66	1.0	0.0	76.8	−22.3	78.0	81.1	106		0.733	1.0	0.0	0.56	1.0	0.0	72.9	−27.1	71.0	76.1	110		0.733	1.0	0.0
103	107	112	0.716	1.0	0.0	79.3	−19.3	81.5	83.8	103		0.638	1.0	0.0	75.9	−23.3	76.6	80.1	107		0.717	1.0	0.0	0.538	1.0	0.0	72.0	−28.1	69.3	74.9	112		0.717	1.0	0.0
104	108	113	0.7	1.0	0.0	78.5	−20.2	80.5	83.0	104		0.617	1.0	0.0	75.0	−24.3	75.2	79.1	108		0.7	1.0	0.0	0.515	1.0	0.0	71.2	−29.0	67.7	73.7	113		0.7	1.0	0.0
104	109	114	0.683	1.0	0.0	77.8	−21.1	79.4	82.2	104		0.598	1.0	0.0	74.3	−25.3	73.8	78.1	109		0.683	1.0	0.0	0.494	1.0	0.0	70.4	−30.0	66.1	72.6	114		0.683	1.0	0.0
105	110	115	0.666	1.0	0.0	77.1	−22.0	78.4	81.4	105		0.579	1.0	0.0	73.6	−26.2	72.4	77.0	110		0.667	1.0	0.0	0.474	1.0	0.0	69.6	−31.0	64.8	71.9	115		0.667	1.0	0.0
106	111	116	0.65	1.0	0.0	76.4	−22.8	77.3	80.6	106		0.559	1.0	0.0	72.9	−27.1	71.0	76.0	111		0.65	1.0	0.0	0.454	1.0	0.0	68.8	−32.0	63.5	71.2	116		0.65	1.0	0.0
107	112	117	0.633	1.0	0.0	75.6	−23.6	76.2	79.8	107		0.54	1.0	0.0	72.1	−28.0	69.5	75.0	112		0.633	1.0	0.0	0.434	1.0	0.0	68.0	−32.9	62.2	70.5	117		0.633	1.0	0.0
108	113	119	0.616	1.0	0.0	75.0	−24.4	75.1	79.0	108		0.521	1.0	0.0	71.4	−28.8	68.1	74.0	113		0.617	1.0	0.0	0.414	1.0	0.0	67.3	−33.8	60.9	69.7	119		0.617	1.0	0.0
108	114	120	0.6	1.0	0.0	74.3	−25.3	73.9	78.1	108		0.501	1.0	0.0	70.7	−29.6	66.6	72.9	114		0.6	1.0	0.0	0.394	1.0	0.0	66.5	−34.7	59.6	69.0	120		0.6	1.0	0.0
109	115	121	0.583	1.0	0.0	73.7	−26.1	72.7	77.2	109		0.484	1.0	0.0	70.0	−30.4	65.5	72.3	115		0.583	1.0	0.0	0.375	1.0	0.0	65.7	−35.5	58.3	68.3	121		0.583	1.0	0.0
110	116	122	0.566	1.0	0.0	73.1	−26.9	71.4	76.3	110		0.467	1.0	0.0	69.3	−31.3	64.4	71.7	116		0.567	1.0	0.0	0.364	1.0	0.0	65.1	−36.6	57.4	68.2	122		0.567	1.0	0.0
111	117	123	0.55	1.0	0.0	72.4	−27.6	70.2	75.5	111		0.45	1.0	0.0	68.7	−32.2	63.3	71.0	117		0.55	1.0	0.0	0.354	1.0	0.0	64.5	−37.7	56.6	68.0	123		0.55	1.0	0.0
112	118	124	0.533	1.0	0.0	71.8	−28.3	69.0	74.6	112		0.433	1.0	0.0	68.0	−33.0	62.2	70.4	118		0.533	1.0	0.0	0.343	1.0	0.0	63.9	−38.8	55.7	67.9	124		0.533	1.0	0.0
113	119	126	0.516	1.0	0.0	71.2	−29.0	67.7	73.7	113		0.416	1.0	0.0	67.3	−33.7	61.1	69.8	119		0.517	1.0	0.0	0.333	1.0	0.0	63.3	−39.8	54.7	67.8	126		0.517	1.0	0.0
114	120	127	0.5	1.0	0.0	70.6	−29.7	66.5	72.8	114		0.399	1.0	0.0	66.7	−34.5	59.9	69.2	120		0.5	1.0	0.0	0.322	1.0	0.0	62.6	−40.8	53.8	67.6	127		0.5	1.0	0.0



1−0031031−L0 QE370−70 LAB*la0, YN=0%, XYZnw=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB*nw=24.4, 0.0, 0.0, 95.6, 0.0, 0.0

Output: Offset standard print; separation cmy0*, D65, page 11/33

TUB-test chart QE37; hue code: H*$_d$=Y00G$_d$
48 step hue circles; *rgb−LabCh**tables

input: *rgb/cmyk −> rgb*$_d$
output: transfer to *cmy0*$_d$

1−0031031−F0

see similar files: http://130.149.60.45/~farbmetrik/QE37/QE37.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

http://130.149.60.45/~farbmetrik/QE37/QE37L0NA.TXT /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 12/33

TUB registration: 20130201-QE37/QE37L0NA.TXT /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0 (CMY0)

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

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}			$LAB^*_{ddx361Mi}$ (x=LabCh)					$rgb^*_{ds361Mi}$			$LAB^*_{dsx361Mi}$ (x=LabCh)					$rgb^*_{dd361Mi}$			$rgb^*_{de361Mi}$			$LAB^*_{dex361Mi}$ (x=LabCh)					$rgb^*_{dd361Mi}$			rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
114	120	127	0.5	1.0	0.0	70.6	−29.7	66.5	72.8	114	0.399	1.0	0.0	66.7	−34.5	59.9	69.2	120	0.5	1.0	0.0	0.322	1.0	0.0	62.6	−40.8	53.8	67.6	127	0.5	1.0	0.0	🟩	🟩	🟩
115	121	128	0.483	1.0	0.0	69.9	−30.5	65.4	72.2	115	0.382	1.0	0.0	66.0	−35.2	58.8	68.6	121	0.483	1.0	0.0	0.312	1.0	0.0	62.0	−41.8	52.9	67.5	128	0.483	1.0	0.0	🟩	🟩	🟩
116	122	129	0.466	1.0	0.0	69.3	−31.4	64.3	71.6	116	0.37	1.0	0.0	65.4	−36.1	57.9	68.3	122	0.467	1.0	0.0	0.301	1.0	0.0	61.4	−42.8	51.9	67.3	129	0.467	1.0	0.0	🟩	🟩	🟩
117	123	130	0.45	1.0	0.0	68.6	−32.2	63.2	71.0	117	0.361	1.0	0.0	64.9	−37.0	57.1	68.1	123	0.45	1.0	0.0	0.291	1.0	0.0	60.8	−43.8	50.9	67.2	130	0.45	1.0	0.0	🟩	🟩	🟩
117	124	131	0.433	1.0	0.0	68.0	−33.0	62.1	70.4	117	0.352	1.0	0.0	64.4	−37.9	56.4	68.0	124	0.433	1.0	0.0	0.28	1.0	0.0	60.2	−44.7	49.9	67.0	131	0.433	1.0	0.0	🟩	🟩	🟩
118	125	133	0.416	1.0	0.0	67.3	−33.8	61.0	69.8	118	0.343	1.0	0.0	63.8	−38.8	55.6	67.9	125	0.417	1.0	0.0	0.27	1.0	0.0	59.6	−45.6	48.9	66.9	133	0.417	1.0	0.0	🟩	🟩	🟩
119	126	134	0.4	1.0	0.0	66.7	−34.5	59.9	69.2	119	0.334	1.0	0.0	63.3	−39.7	54.8	67.8	126	0.4	1.0	0.0	0.259	1.0	0.0	59.0	−46.5	47.8	66.8	134	0.4	1.0	0.0	🟩	🟩	🟩
120	127	135	0.383	1.0	0.0	66.0	−35.2	58.8	68.6	120	0.325	1.0	0.0	62.8	−40.6	54.0	67.6	127	0.383	1.0	0.0	0.249	1.0	0.0	58.4	−47.4	46.8	66.6	135	0.383	1.0	0.0	🟩	🟩	🟩
122	128	136	0.366	1.0	0.0	65.2	−36.4	57.6	68.2	122	0.316	1.0	0.0	62.3	−41.5	53.2	67.5	128	0.367	1.0	0.0	0.233	1.0	0.0	57.9	−48.3	45.8	66.6	136	0.367	1.0	0.0	🟩	🟩	🟩
124	129	137	0.35	1.0	0.0	64.2	−38.2	56.2	67.9	124	0.307	1.0	0.0	61.7	−42.3	52.4	67.4	129	0.35	1.0	0.0	0.217	1.0	0.0	57.4	−49.2	44.7	66.6	137	0.35	1.0	0.0	🟩	🟩	🟩
126	130	138	0.333	1.0	0.0	63.2	−39.8	54.7	67.7	126	0.298	1.0	0.0	61.2	−43.1	51.5	67.3	130	0.333	1.0	0.0	0.201	1.0	0.0	57.0	−50.0	43.7	66.5	138	0.333	1.0	0.0	🟩	🟩	🟩
127	131	140	0.316	1.0	0.0	62.3	−41.4	53.2	67.5	127	0.289	1.0	0.0	60.7	−44.0	50.7	67.2	131	0.317	1.0	0.0	0.185	1.0	0.0	56.5	−50.9	42.7	66.5	140	0.317	1.0	0.0	🟩	🟩	🟩
129	132	141	0.3	1.0	0.0	61.3	−43.0	51.7	67.3	129	0.28	1.0	0.0	60.2	−44.8	49.8	67.0	132	0.3	1.0	0.0	0.169	1.0	0.0	56.0	−51.7	41.6	66.5	141	0.3	1.0	0.0	🟩	🟩	🟩
131	133	142	0.283	1.0	0.0	60.3	−44.5	50.1	67.0	131	0.271	1.0	0.0	59.6	−45.5	48.9	66.9	133	0.283	1.0	0.0	0.153	1.0	0.0	55.5	−52.5	40.5	66.4	142	0.283	1.0	0.0	🟩	🟩	🟩
133	134	143	0.266	1.0	0.0	59.3	−45.9	48.5	66.8	133	0.262	1.0	0.0	59.1	−46.3	48.0	66.8	134	0.267	1.0	0.0	0.137	1.0	0.0	55.1	−53.3	39.4	66.4	143	0.267	1.0	0.0	🟩	🟩	🟩
135	135	144	0.25	1.0	0.0	58.4	−47.3	46.8	66.6	135	0.253	1.0	0.0	58.6	−47.0	47.1	66.7	135	0.25	1.0	0.0	0.122	1.0	0.0	54.6	−54.2	38.4	66.5	144	0.25	1.0	0.0	🟩	🟩	🟩
136	136	145	0.233	1.0	0.0	57.9	−48.3	45.8	66.5	136	0.241	1.0	0.0	58.1	−47.8	46.3	66.6	136	0.233	1.0	0.0	0.108	1.0	0.0	54.1	−55.4	37.6	67.0	145	0.233	1.0	0.0	🟩	🟩	🟩
137	137	147	0.216	1.0	0.0	57.4	−49.2	44.7	66.5	137	0.227	1.0	0.0	57.7	−48.6	45.4	66.6	137	0.217	1.0	0.0	0.095	1.0	0.0	53.6	−56.6	36.7	67.6	147	0.217	1.0	0.0	🟩	🟩	🟩
138	138	148	0.2	1.0	0.0	56.9	−50.1	43.6	66.5	138	0.213	1.0	0.0	57.3	−49.4	44.5	66.6	138	0.2	1.0	0.0	0.082	1.0	0.0	53.1	−57.8	35.8	68.1	148	0.2	1.0	0.0	🟩	🟩	🟩
140	139	149	0.183	1.0	0.0	56.4	−51.0	42.5	66.4	140	0.2	1.0	0.0	56.9	−50.1	43.6	66.5	139	0.183	1.0	0.0	0.069	1.0	0.0	52.6	−59.0	34.9	68.6	149	0.183	1.0	0.0	🟩	🟩	🟩
141	140	150	0.166	1.0	0.0	55.9	−51.9	41.4	66.4	141	0.186	1.0	0.0	56.5	−50.8	42.7	66.5	140	0.167	1.0	0.0	0.056	1.0	0.0	52.1	−60.1	34.0	69.2	150	0.167	1.0	0.0	🟩	🟩	🟩
142	141	151	0.15	1.0	0.0	55.4	−52.7	40.3	66.4	142	0.172	1.0	0.0	56.1	−51.6	41.8	66.5	141	0.15	1.0	0.0	0.043	1.0	0.0	51.7	−61.3	33.0	69.7	151	0.15	1.0	0.0	🟩	🟩	🟩
143	142	152	0.133	1.0	0.0	54.9	−53.5	39.1	66.3	143	0.159	1.0	0.0	55.7	−52.3	40.9	66.4	142	0.133	1.0	0.0	0.03	1.0	0.0	51.2	−62.4	32.0	70.2	152	0.133	1.0	0.0	🟩	🟩	🟩
145	143	154	0.116	1.0	0.0	54.4	−54.7	38.0	66.6	145	0.145	1.0	0.0	55.3	−52.9	40.0	66.4	143	0.117	1.0	0.0	0.016	1.0	0.0	50.7	−63.5	30.9	70.8	154	0.117	1.0	0.0	🟩	🟩	🟩
146	144	155	0.1	1.0	0.0	53.7	−56.2	37.0	67.3	146	0.131	1.0	0.0	54.9	−53.6	39.0	66.4	144	0.1	1.0	0.0	0.003	1.0	0.0	50.2	−64.6	29.9	71.3	155	0.1	1.0	0.0	🟩	🟩	🟩
148	145	156	0.083	1.0	0.0	53.1	−57.7	35.9	68.0	148	0.119	1.0	0.0	54.5	−54.5	38.2	66.6	145	0.083	1.0	0.0	0.0	1.0	0.021	50.1	−64.6	28.3	70.6	156	0.083	1.0	0.0	🟩	🟩	🟩
149	146	157	0.066	1.0	0.0	52.5	−59.2	34.7	68.7	149	0.107	1.0	0.0	54.1	−55.5	37.5	67.1	146	0.067	1.0	0.0	0.0	1.0	0.049	50.3	−64.2	26.5	69.5	157	0.067	1.0	0.0	🟩	🟩	🟩
151	147	158	0.049	1.0	0.0	51.9	−60.7	33.5	69.4	151	0.096	1.0	0.0	53.7	−56.5	36.8	67.5	147	0.05	1.0	0.0	0.0	1.0	0.077	50.4	−63.7	24.8	68.4	158	0.05	1.0	0.0	🟩	🟩	🟩
152	148	159	0.033	1.0	0.0	51.3	−62.2	32.2	70.0	152	0.085	1.0	0.0	53.2	−57.6	36.0	68.0	148	0.033	1.0	0.0	0.0	1.0	0.104	50.5	−63.1	23.1	67.3	159	0.033	1.0	0.0	🟩	🟩	🟩
154	149	161	0.016	1.0	0.0	50.6	−63.6	30.9	70.7	154	0.074	1.0	0.0	52.8	−58.6	35.3	68.4	149	0.017	1.0	0.0	0.0	1.0	0.13	50.6	−62.6	21.5	66.3	161	0.017	1.0	0.0	🟩	🟩	🟩
155	150	162	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155 G_d	0.062	1.0	0.0	52.4	−59.6	34.5	68.9	150G_s	0.0	1.0	0.0	0.0	1.0	0.151	50.7	−62.0	19.9	65.2	162G_e	0.0	1.0	0.0	🟩	🟩	🟩
156	151	163	0.0	1.0	0.016	50.1	−64.7	28.5	70.7	156	0.051	1.0	0.0	52.0	−60.6	33.6	69.4	151	0.0	1.0	0.017	0.0	1.0	0.167	50.8	−61.6	18.7	64.4	163	0.0	1.0	0.017	🟩	🟩	🟩
156	152	164	0.0	1.0	0.033	50.1	−64.5	27.4	70.1	156	0.04	1.0	0.0	51.5	−61.6	32.8	69.8	152	0.0	1.0	0.033	0.0	1.0	0.183	50.9	−61.1	17.5	63.6	164	0.0	1.0	0.033	🟩	🟩	🟩
157	153	164	0.0	1.0	0.05	50.2	−64.2	26.4	69.4	157	0.028	1.0	0.0	51.1	−62.5	31.9	70.3	153	0.0	1.0	0.05	0.0	1.0	0.2	51.0	−60.6	16.3	62.8	164	0.0	1.0	0.05	🟩	🟩	🟩
158	154	165	0.0	1.0	0.066	50.3	−63.9	25.4	68.8	158	0.017	1.0	0.0	50.7	−63.5	31.0	70.7	154	0.0	1.0	0.067	0.0	1.0	0.216	51.0	−60.0	15.1	62.0	165	0.0	1.0	0.067	🟩	🟩	🟩
159	155	166	0.0	1.0	0.083	50.3	−63.6	24.4	68.1	159	0.006	1.0	0.0	50.3	−64.4	30.1	71.2	155	0.0	1.0	0.083	0.0	1.0	0.232	51.1	−59.5	14.0	61.2	166	0.0	1.0	0.083	🟩	🟩	🟩
159	156	167	0.0	1.0	0.1	50.4	−63.3	23.4	67.5	159	0.0	1.0	0.012	50.1	−64.7	28.9	71.0	156	0.0	1.0	0.1	0.0	1.0	0.248	51.2	−58.9	12.9	60.4	167	0.0	1.0	0.1	🟩	🟩	🟩
160	157	168	0.0	1.0	0.116	50.5	−62.9	22.4	66.8	160	0.0	1.0	0.035	50.2	−64.4	27.4	70.0	157	0.0	1.0	0.117	0.0	1.0	0.261	51.3	−58.5	11.8	59.8	168	0.0	1.0	0.117	🟩	🟩	🟩
161	158	169	0.0	1.0	0.133	50.5	−62.5	21.2	66.1	161	0.0	1.0	0.059	50.3	−64.0	25.9	69.1	158	0.0	1.0	0.133	0.0	1.0	0.274	51.4	−58.1	10.8	59.2	169	0.0	1.0	0.133	🟩	🟩	🟩
162	159	170	0.0	1.0	0.15	50.6	−62.1	19.9	65.2	162	0.0	1.0	0.083	50.4	−63.5	24.4	68.2	159	0.0	1.0	0.15	0.0	1.0	0.287	51.5	−57.7	9.7	58.6	170	0.0	1.0	0.15	🟩	🟩	🟩
163	160	171	0.0	1.0	0.166	50.7	−61.6	18.7	64.4	163	0.0	1.0	0.107	50.5	−63.1	23.0	67.2	160	0.0	1.0	0.167	0.0	1.0	0.3	51.5	−57.3	8.7	58.1	171	0.0	1.0	0.167	🟩	🟩	🟩
164	161	172	0.0	1.0	0.183	50.8	−61.1	17.4	63.6	164	0.0	1.0	0.129	50.6	−62.6	21.6	66.3	161	0.0	1.0	0.183	0.0	1.0	0.313	51.6	−56.9	7.7	57.5	172	0.0	1.0	0.183	🟩	🟩	🟩
164	162	173	0.0	1.0	0.2	50.9	−60.6	16.2	62.7	164	0.0	1.0	0.147	50.7	−62.1	20.2	65.4	162	0.0	1.0	0.2	0.0	1.0	0.325	51.7	−56.4	6.8	56.9	173	0.0	1.0	0.2	🟩	🟩	🟩
165	163	174	0.0	1.0	0.216	51.0	−60.1	15.0	61.9	165	0.0	1.0	0.165	50.8	−61.6	18.9	64.5	163	0.0	1.0	0.217	0.0	1.0	0.338	51.8	−55.9	5.8	56.3	174	0.0	1.0	0.217	🟩	🟩	🟩
166	164	175	0.0	1.0	0.233	51.1	−59.5	13.9	61.1	166	0.0	1.0	0.183	50.9	−61.1	17.5	63.7	164	0.0	1.0	0.233	0.0	1.0	0.351	51.9	−55.5	4.9	55.8	175	0.0	1.0	0.233	🟩	🟩	🟩
167	165	175	0.0	1.0	0.25	51.2	−58.9	12.7	60.3	167	0.0	1.0	0.2	51.0	−60.5	16.2	62.8	165	0.0	1.0	0.25	0.0	1.0	0.364	52.0	−55.0	3.9	55.2	175	0.0	1.0	0.25	🟩	🟩	🟩

1−0031131−L0 QE370−70 LAB*la0, YN=0%, XYZnw=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB*nw=24.4, 0.0, 0.0, 95.6, 0.0, 0.0

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

TUB-test chart QE37; hue code: H^*_d=Y00G_d
48 step hue circles; *rgb−LabCh**tables

input: *rgb/cmyk* −> rgb_d
output: transfer to $cmy0_d$

see similar files: http://130.149.60.45/~farbmetrik/QE37/QE37.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

http://130.149.60.45/~farbmetrik/QE37/QE37L0NA.TXT /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 13/33

TUB registration: 20130201-QE37/QE37L0NA.TXT /.PS
application for measurement of offset print output, separation cmy0 (CMY0)

TUB material: code=rha4ta

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

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*dd361M			LAB^*ddx361Mi (x=LabCh)					rgb^*ds361Mi			LAB^*dsx361Mi (x=LabCh)					rgb^*dd361Mi			rgb^*de361Mi			LAB^*dex361Mi (x=LabCh)					rgb^*dd361Mi			rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
167	165	175	0.0	1.0	0.25	51.2	−58.9	12.7	60.3	167	0.0	1.0	0.2	51.0	−60.5	16.2	62.8	165	0.0	1.0	0.25	0.0	1.0	0.364	52.0	−55.0	3.9	55.2	175	0.0	1.0	0.25	■	■	■
168	166	176	0.0	1.0	0.266	51.3	−58.4	11.3	59.5	168	0.0	1.0	0.218	51.1	−60.0	15.0	61.9	166	0.0	1.0	0.267	0.0	1.0	0.376	52.0	−54.5	3.0	54.6	176	0.0	1.0	0.267	■	■	■
170	167	177	0.0	1.0	0.283	51.4	−57.9	10.0	58.8	170	0.0	1.0	0.236	51.2	−59.3	13.7	61.0	167	0.0	1.0	0.283	0.0	1.0	0.385	52.1	−54.1	2.1	54.3	177	0.0	1.0	0.283	■	■	■
171	168	178	0.0	1.0	0.3	51.5	−57.3	8.7	58.0	171	0.0	1.0	0.253	51.2	−58.8	12.5	60.2	168	0.0	1.0	0.3	0.0	1.0	0.394	52.2	−53.8	1.3	53.9	178	0.0	1.0	0.3	■	■	■
172	169	179	0.0	1.0	0.316	51.6	−56.8	7.4	57.3	172	0.0	1.0	0.267	51.3	−58.4	11.4	59.5	169	0.0	1.0	0.317	0.0	1.0	0.403	52.2	−53.4	0.4	53.5	179	0.0	1.0	0.317	■	■	■
173	170	180	0.0	1.0	0.333	51.7	−56.2	6.1	56.5	173	0.0	1.0	0.281	51.4	−57.9	10.2	58.9	170	0.0	1.0	0.333	0.0	1.0	0.412	52.3	−53.0	−0.3	53.1	180	0.0	1.0	0.333	■	■	■
174	171	181	0.0	1.0	0.35	51.8	−55.5	4.9	55.8	174	0.0	1.0	0.295	51.5	−57.5	9.1	58.3	171	0.0	1.0	0.35	0.0	1.0	0.421	52.4	−52.6	−1.2	52.7	181	0.0	1.0	0.35	■	■	■
176	172	182	0.0	1.0	0.366	51.9	−54.9	3.7	55.0	176	0.0	1.0	0.309	51.6	−57.0	8.0	57.7	172	0.0	1.0	0.367	0.0	1.0	0.43	52.5	−52.2	−2.0	52.3	182	0.0	1.0	0.367	■	■	■
177	173	183	0.0	1.0	0.383	52.0	−54.2	2.3	54.3	177	0.0	1.0	0.323	51.7	−56.5	6.9	57.0	173	0.0	1.0	0.383	0.0	1.0	0.439	52.5	−51.8	−2.8	51.9	183	0.0	1.0	0.383	■	■	■
179	174	184	0.0	1.0	0.4	52.2	−53.6	0.7	53.6	179	0.0	1.0	0.337	51.8	−56.0	5.9	56.4	174	0.0	1.0	0.4	0.0	1.0	0.448	52.6	−51.3	−3.6	51.6	184	0.0	1.0	0.4	■	■	■
180	175	185	0.0	1.0	0.416	52.3	−52.8	−0.8	52.9	180	0.0	1.0	0.351	51.9	−55.5	4.9	55.8	175	0.0	1.0	0.417	0.0	1.0	0.457	52.7	−50.9	−4.4	51.2	185	0.0	1.0	0.417	■	■	■
182	176	185	0.0	1.0	0.433	52.4	−52.1	−2.3	52.1	182	0.0	1.0	0.365	52.0	−54.9	3.8	55.1	176	0.0	1.0	0.433	0.0	1.0	0.466	52.7	−50.4	−5.2	50.8	185	0.0	1.0	0.433	■	■	■
184	177	186	0.0	1.0	0.45	52.6	−51.3	−3.8	51.4	184	0.0	1.0	0.378	52.0	−54.4	2.9	54.6	177	0.0	1.0	0.45	0.0	1.0	0.475	52.8	−49.9	−5.9	50.4	186	0.0	1.0	0.45	■	■	■
185	178	187	0.0	1.0	0.466	52.7	−50.4	−5.3	50.7	185	0.0	1.0	0.388	52.1	−54.0	1.9	54.1	178	0.0	1.0	0.467	0.0	1.0	0.484	52.9	−49.5	−6.7	50.0	187	0.0	1.0	0.467	■	■	■
187	179	188	0.0	1.0	0.483	52.8	−49.6	−6.6	50.0	187	0.0	1.0	0.398	52.2	−53.6	0.9	53.7	179	0.0	1.0	0.483	0.0	1.0	0.493	52.9	−49.0	−7.4	49.6	188	0.0	1.0	0.483	■	■	■
189	180	189	0.0	1.0	0.5	52.9	−48.6	−8.0	49.3	189	0.0	1.0	0.407	52.3	−53.2	0.0	53.3	180	0.0	1.0	0.5	0.0	1.0	0.502	53.0	−48.5	−8.1	49.3	189	0.0	1.0	0.5	■	■	■
191	181	190	0.0	1.0	0.516	53.1	−47.9	−9.5	48.9	191	0.0	1.0	0.417	52.4	−52.8	−0.8	52.9	181	0.0	1.0	0.517	0.0	1.0	0.51	53.1	−48.2	−8.9	49.1	190	0.0	1.0	0.517	■	■	■
193	182	191	0.0	1.0	0.533	53.2	−47.2	−10.9	48.4	193	0.0	1.0	0.427	52.4	−52.3	−1.7	52.5	182	0.0	1.0	0.533	0.0	1.0	0.519	53.1	−47.8	−9.6	48.9	191	0.0	1.0	0.533	■	■	■
194	183	192	0.0	1.0	0.55	53.4	−46.4	−12.3	48.0	194	0.0	1.0	0.437	52.5	−51.9	−2.6	52.0	183	0.0	1.0	0.55	0.0	1.0	0.527	53.2	−47.4	−10.3	48.7	192	0.0	1.0	0.55	■	■	■
196	184	193	0.0	1.0	0.566	53.5	−45.6	−13.7	47.6	196	0.0	1.0	0.447	52.6	−51.4	−3.5	51.6	184	0.0	1.0	0.567	0.0	1.0	0.535	53.3	−47.1	−11.0	48.4	193	0.0	1.0	0.567	■	■	■
198	185	194	0.0	1.0	0.583	53.6	−44.7	−15.0	47.1	198	0.0	1.0	0.457	52.7	−50.9	−4.4	51.2	185	0.0	1.0	0.583	0.0	1.0	0.543	53.4	−46.7	−11.7	48.2	194	0.0	1.0	0.583	■	■	■
200	186	195	0.0	1.0	0.6	53.8	−43.8	−16.3	46.7	200	0.0	1.0	0.467	52.7	−50.4	−5.2	50.8	186	0.0	1.0	0.6	0.0	1.0	0.552	53.4	−46.3	−12.4	48.0	195	0.0	1.0	0.6	■	■	■
202	187	195	0.0	1.0	0.616	53.9	−42.8	−17.5	46.3	202	0.0	1.0	0.477	52.8	−49.9	−6.0	50.3	187	0.0	1.0	0.617	0.0	1.0	0.56	53.5	−45.9	−13.1	47.8	195	0.0	1.0	0.617	■	■	■
204	188	196	0.0	1.0	0.633	54.1	−42.0	−18.8	46.0	204	0.0	1.0	0.486	52.9	−49.3	−6.8	49.9	188	0.0	1.0	0.633	0.0	1.0	0.568	53.6	−45.4	−13.7	47.6	196	0.0	1.0	0.633	■	■	■
206	189	197	0.0	1.0	0.65	54.2	−41.2	−20.1	45.9	206	0.0	1.0	0.496	53.0	−48.8	−7.6	49.5	189	0.0	1.0	0.65	0.0	1.0	0.576	53.6	−45.0	−14.4	47.4	197	0.0	1.0	0.65	■	■	■
207	190	198	0.0	1.0	0.666	54.3	−40.5	−21.4	45.8	207	0.0	1.0	0.506	53.0	−48.4	−8.4	49.2	190	0.0	1.0	0.667	0.0	1.0	0.585	53.7	−44.6	−15.0	47.2	198	0.0	1.0	0.667	■	■	■
209	191	199	0.0	1.0	0.683	54.5	−39.7	−22.7	45.7	209	0.0	1.0	0.515	53.1	−48.0	−9.2	49.0	191	0.0	1.0	0.683	0.0	1.0	0.593	53.8	−44.1	−15.7	47.0	199	0.0	1.0	0.683	■	■	■
211	192	200	0.0	1.0	0.7	54.6	−38.8	−23.9	45.6	211	0.0	1.0	0.524	53.2	−47.6	−10.0	48.7	192	0.0	1.0	0.7	0.0	1.0	0.601	53.8	−43.7	−16.3	46.7	200	0.0	1.0	0.7	■	■	■
213	193	201	0.0	1.0	0.716	54.7	−37.9	−25.1	45.5	213	0.0	1.0	0.533	53.3	−47.2	−10.8	48.5	193	0.0	1.0	0.717	0.0	1.0	0.609	53.9	−43.2	−16.9	46.5	201	0.0	1.0	0.717	■	■	■
215	194	202	0.0	1.0	0.733	54.9	−37.0	−26.3	45.4	215	0.0	1.0	0.542	53.3	−46.7	−11.6	48.3	194	0.0	1.0	0.733	0.0	1.0	0.618	54.0	−42.7	−17.5	46.3	202	0.0	1.0	0.733	■	■	■
217	195	203	0.0	1.0	0.75	55.0	−36.0	−27.4	45.3	217	0.0	1.0	0.551	53.4	−46.3	−12.3	48.0	195	0.0	1.0	0.75	0.0	1.0	0.626	54.1	−42.3	−18.1	46.1	203	0.0	1.0	0.75	■	■	■
218	196	204	0.0	1.0	0.766	55.1	−35.4	−28.4	45.4	218	0.0	1.0	0.56	53.5	−45.9	−13.1	47.8	196	0.0	1.0	0.767	0.0	1.0	0.634	54.1	−41.9	−18.8	46.1	204	0.0	1.0	0.767	■	■	■
220	197	205	0.0	1.0	0.783	55.2	−34.7	−29.4	45.5	220	0.0	1.0	0.569	53.6	−45.4	−13.8	47.6	197	0.0	1.0	0.783	0.0	1.0	0.642	54.2	−41.6	−19.4	46.0	205	0.0	1.0	0.783	■	■	■
221	198	206	0.0	1.0	0.8	55.3	−34.0	−30.3	45.6	221	0.0	1.0	0.578	53.6	−44.9	−14.5	47.3	198	0.0	1.0	0.8	0.0	1.0	0.65	54.2	−41.2	−20.1	46.0	206	0.0	1.0	0.8	■	■	■
223	199	206	0.0	1.0	0.816	55.4	−33.3	−31.3	45.7	223	0.0	1.0	0.587	53.7	−44.4	−15.2	47.1	199	0.0	1.0	0.817	0.0	1.0	0.658	54.3	−40.8	−20.7	45.9	206	0.0	1.0	0.817	■	■	■
224	200	207	0.0	1.0	0.833	55.6	−32.6	−32.2	45.9	224	0.0	1.0	0.596	53.8	−43.9	−15.9	46.9	200	0.0	1.0	0.833	0.0	1.0	0.666	54.4	−40.4	−21.3	45.9	207	0.0	1.0	0.833	■	■	■
226	201	208	0.0	1.0	0.85	55.7	−31.8	−33.1	46.0	226	0.0	1.0	0.605	53.9	−43.4	−16.6	46.6	201	0.0	1.0	0.85	0.0	1.0	0.674	54.4	−40.0	−21.9	45.8	208	0.0	1.0	0.85	■	■	■
227	202	209	0.0	1.0	0.866	55.8	−31.1	−34.0	46.1	227	0.0	1.0	0.614	54.0	−42.9	−17.3	46.4	202	0.0	1.0	0.867	0.0	1.0	0.682	54.5	−39.6	−22.6	45.7	209	0.0	1.0	0.867	■	■	■
229	203	210	0.0	1.0	0.883	55.9	−30.4	−35.0	46.3	229	0.0	1.0	0.623	54.0	−42.4	−17.9	46.2	203	0.0	1.0	0.883	0.0	1.0	0.691	54.6	−39.2	−23.2	45.7	210	0.0	1.0	0.883	■	■	■
230	204	211	0.0	1.0	0.9	56.0	−29.7	−35.9	46.7	230	0.0	1.0	0.632	54.1	−42.0	−18.6	46.1	204	0.0	1.0	0.9	0.0	1.0	0.699	54.6	−38.8	−23.8	45.6	211	0.0	1.0	0.9	■	■	■
231	205	212	0.0	1.0	0.916	56.1	−29.1	−36.9	47.0	231	0.0	1.0	0.641	54.2	−41.6	−19.3	46.0	205	0.0	1.0	0.917	0.0	1.0	0.707	54.7	−38.4	−24.3	45.6	212	0.0	1.0	0.917	■	■	■
233	206	213	0.0	1.0	0.933	56.3	−28.4	−37.8	47.3	233	0.0	1.0	0.65	54.2	−41.2	−20.0	46.0	206	0.0	1.0	0.933	0.0	1.0	0.715	54.8	−37.9	−24.9	45.5	213	0.0	1.0	0.933	■	■	■
234	207	214	0.0	1.0	0.95	56.4	−27.7	−38.8	47.7	234	0.0	1.0	0.659	54.3	−40.8	−20.7	45.9	207	0.0	1.0	0.95	0.0	1.0	0.723	54.8	−37.5	−25.5	45.5	214	0.0	1.0	0.95	■	■	■
235	208	215	0.0	1.0	0.966	56.5	−27.0	−39.7	48.0	235	0.0	1.0	0.668	54.4	−40.4	−21.4	45.8	208	0.0	1.0	0.967	0.0	1.0	0.731	54.9	−37.0	−26.1	45.4	215	0.0	1.0	0.967	■	■	■
237	209	216	0.0	1.0	0.983	56.6	−26.2	−40.6	48.3	237	0.0	1.0	0.676	54.5	−39.9	−22.1	45.8	209	0.0	1.0	0.983	0.0	1.0	0.739	55.0	−36.6	−26.6	45.4	216	0.0	1.0	0.983	■	■	■
238	210	216	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238 C_d	0.0	1.0	0.685	54.5	−39.5	−22.8	45.7	210C_s	0.0	1.0	1.0	0.0	1.0	0.747	55.0	−36.1	−27.2	45.3	216C_e	0.0	1.0	1.0	■	■	■

1−0031231−L0 QE370−70 LAB*la0, YN=0%, XYZnw=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB*nw=24.4, 0.0, 0.0, 95.6, 0.0, 0.0

Output: Offset standard print; separation cmy0*, D65, page 13/33

TUB-test chart QE37; hue code: H*$_d$=Y00G$_d$
48 step hue circles; *rgb−LabCh**tables

input: *rgb/cmyk −> rgb*$_d$
output: transfer to *cmy0*$_d$

see similar files: http://130.149.60.45/~farbmetrik/QE37/QE37.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

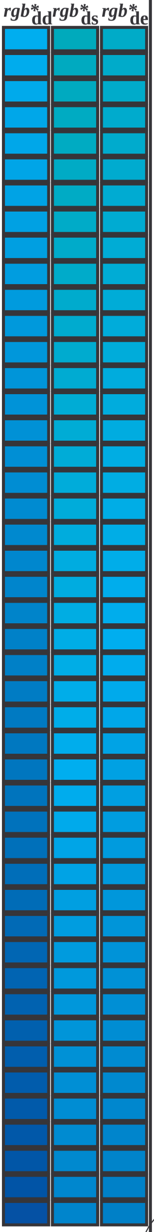
QE3700L

http://130.149.60.45/~farbmetrik/QE37/QE37L0NA.TXT /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 14/33

TUB registration: 20130201-QE37/QE37L0NA.TXT /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0 (CMY0)

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

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}			$LAB^*_{ddx361Mi}$ (x=LabCh)					$rgb^*_{ds361Mi}$			$LAB^*_{dsx361Mi}$ (x=LabCh)					$rgb^*_{dd361Mi}$			$rgb^*_{de361Mi}$			$LAB^*_{dex361Mi}$ (x=LabCh)					$rgb^*_{dd361Mi}$		
238	210	216	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238 C_d	0.0	1.0	0.685	54.5	−39.5	−22.8	45.7	210 C_s	0.0	1.0	1.0	0.0	1.0	0.747	55.0	−36.1	−27.2	45.3	216 C_e	0.0	1.0	1.0
239	211	217	0.0	0.983	1.0	56.4	−24.9	−41.5	48.4	239	0.0	1.0	0.694	54.6	−39.0	−23.4	45.7	211	0.0	0.983	1.0	0.0	1.0	0.757	55.1	−35.7	−27.8	45.4	217	0.0	0.983	1.0
239	212	218	0.0	0.966	1.0	56.1	−24.3	−41.5	48.1	239	0.0	1.0	0.703	54.7	−38.6	−24.1	45.6	212	0.0	0.967	1.0	0.0	1.0	0.767	55.2	−35.3	−28.4	45.4	218	0.0	0.967	1.0
240	213	219	0.0	0.95	1.0	55.7	−23.7	−41.5	47.8	240	0.0	1.0	0.712	54.7	−38.1	−24.7	45.6	213	0.0	0.95	1.0	0.0	1.0	0.778	55.2	−34.9	−29.0	45.5	219	0.0	0.95	1.0
240	214	220	0.0	0.933	1.0	55.4	−23.1	−41.5	47.5	240	0.0	1.0	0.721	54.8	−37.6	−25.3	45.5	214	0.0	0.933	1.0	0.0	1.0	0.788	55.3	−34.5	−29.6	45.6	220	0.0	0.933	1.0
241	215	221	0.0	0.916	1.0	55.0	−22.5	−41.4	47.2	241	0.0	1.0	0.73	54.9	−37.1	−26.0	45.4	215	0.0	0.917	1.0	0.0	1.0	0.798	55.4	−34.1	−30.2	45.7	221	0.0	0.917	1.0
242	216	222	0.0	0.9	1.0	54.6	−22.0	−41.4	46.9	242	0.0	1.0	0.739	55.0	−36.6	−26.6	45.4	216	0.0	0.9	1.0	0.0	1.0	0.808	55.4	−33.6	−30.8	45.7	222	0.0	0.9	1.0
242	217	223	0.0	0.883	1.0	54.3	−21.4	−41.4	46.6	242	0.0	1.0	0.747	55.0	−36.1	−27.2	45.3	217	0.0	0.883	1.0	0.0	1.0	0.819	55.5	−33.2	−31.3	45.8	223	0.0	0.883	1.0
243	218	224	0.0	0.866	1.0	53.9	−20.7	−41.3	46.3	243	0.0	1.0	0.758	55.1	−35.6	−27.8	45.4	218	0.0	0.867	1.0	0.0	1.0	0.829	55.6	−32.7	−31.9	45.9	224	0.0	0.867	1.0
244	219	225	0.0	0.85	1.0	53.4	−20.0	−41.3	45.9	244	0.0	1.0	0.769	55.2	−35.2	−28.5	45.4	219	0.0	0.85	1.0	0.0	1.0	0.839	55.6	−32.3	−32.5	45.9	225	0.0	0.85	1.0
245	220	226	0.0	0.833	1.0	52.9	−19.2	−41.3	45.6	245	0.0	1.0	0.781	55.3	−34.8	−29.2	45.5	220	0.0	0.833	1.0	0.0	1.0	0.85	55.7	−31.8	−33.1	46.0	226	0.0	0.833	1.0
245	221	227	0.0	0.816	1.0	52.4	−18.5	−41.3	45.3	245	0.0	1.0	0.792	55.3	−34.3	−29.8	45.6	221	0.0	0.817	1.0	0.0	1.0	0.86	55.8	−31.3	−33.6	46.1	227	0.0	0.817	1.0
246	222	227	0.0	0.8	1.0	51.9	−17.7	−41.3	44.9	246	0.0	1.0	0.803	55.4	−33.9	−30.5	45.7	222	0.0	0.8	1.0	0.0	1.0	0.87	55.8	−30.8	−34.2	46.2	227	0.0	0.8	1.0
247	223	228	0.0	0.783	1.0	51.4	−17.0	−41.2	44.6	247	0.0	1.0	0.815	55.5	−33.4	−31.1	45.8	223	0.0	0.783	1.0	0.0	1.0	0.881	55.9	−30.4	−34.8	46.3	228	0.0	0.783	1.0
248	224	229	0.0	0.766	1.0	50.9	−16.2	−41.2	44.2	248	0.0	1.0	0.826	55.6	−32.9	−31.7	45.8	224	0.0	0.767	1.0	0.0	1.0	0.893	56.0	−30.0	−35.4	46.6	229	0.0	0.767	1.0
249	225	230	0.0	0.75	1.0	50.4	−15.5	−41.1	43.9	249	0.0	1.0	0.837	55.6	−32.4	−32.4	45.9	225	0.0	0.75	1.0	0.0	1.0	0.904	56.1	−29.6	−36.1	46.8	230	0.0	0.75	1.0
250	226	231	0.0	0.733	1.0	49.9	−14.7	−41.1	43.6	250	0.0	1.0	0.849	55.7	−31.9	−33.0	46.0	226	0.0	0.733	1.0	0.0	1.0	0.915	56.2	−29.1	−36.7	47.0	231	0.0	0.733	1.0
251	227	232	0.0	0.716	1.0	49.4	−13.8	−41.1	43.4	251	0.0	1.0	0.86	55.8	−31.3	−33.6	46.1	227	0.0	0.717	1.0	0.0	1.0	0.926	56.3	−28.7	−37.4	47.2	232	0.0	0.717	1.0
252	228	233	0.0	0.7	1.0	48.8	−13.0	−41.1	43.1	252	0.0	1.0	0.871	55.9	−30.8	−34.2	46.2	228	0.0	0.7	1.0	0.0	1.0	0.938	56.3	−28.2	−38.0	47.5	233	0.0	0.7	1.0
253	229	234	0.0	0.683	1.0	48.3	−12.2	−41.1	42.9	253	0.0	1.0	0.883	55.9	−30.3	−34.9	46.4	229	0.0	0.683	1.0	0.0	1.0	0.949	56.4	−27.7	−38.6	47.7	234	0.0	0.683	1.0
254	230	235	0.0	0.666	1.0	47.8	−11.4	−41.0	42.6	254	0.0	1.0	0.896	56.0	−29.9	−35.6	46.6	230	0.0	0.667	1.0	0.0	1.0	0.96	56.5	−27.2	−39.3	47.9	235	0.0	0.667	1.0
255	231	236	0.0	0.65	1.0	47.3	−10.6	−41.0	42.3	255	0.0	1.0	0.908	56.1	−29.4	−36.3	46.9	231	0.0	0.65	1.0	0.0	1.0	0.972	56.6	−26.7	−39.9	48.2	236	0.0	0.65	1.0
256	232	237	0.0	0.633	1.0	46.8	−9.8	−40.9	42.1	256	0.0	1.0	0.92	56.2	−28.9	−37.0	47.1	232	0.0	0.633	1.0	0.0	1.0	0.983	56.7	−26.2	−40.5	48.4	237	0.0	0.633	1.0
257	233	237	0.0	0.616	1.0	46.2	−8.9	−40.9	41.8	257	0.0	1.0	0.933	56.3	−28.4	−37.7	47.4	233	0.0	0.617	1.0	0.0	1.0	0.994	56.8	−25.7	−41.1	48.6	237	0.0	0.617	1.0
259	234	238	0.0	0.6	1.0	45.5	−7.8	−40.9	41.7	259	0.0	1.0	0.945	56.4	−27.9	−38.4	47.6	234	0.0	0.6	1.0	0.0	0.988	1.0	56.6	−25.0	−41.4	48.5	238	0.0	0.6	1.0
260	235	239	0.0	0.583	1.0	44.9	−6.6	−41.0	41.5	260	0.0	1.0	0.957	56.5	−27.4	−39.1	47.9	235	0.0	0.583	1.0	0.0	0.962	1.0	56.0	−24.1	−41.4	48.1	239	0.0	0.583	1.0
262	236	240	0.0	0.566	1.0	44.2	−5.5	−40.9	41.3	262	0.0	1.0	0.97	56.6	−26.8	−39.8	48.1	236	0.0	0.567	1.0	0.0	0.937	1.0	55.5	−23.2	−41.4	47.6	240	0.0	0.567	1.0
263	237	241	0.0	0.55	1.0	43.6	−4.4	−40.9	41.1	263	0.0	1.0	0.982	56.7	−26.2	−40.5	48.4	237	0.0	0.55	1.0	0.0	0.911	1.0	54.9	−22.3	−41.4	47.1	241	0.0	0.55	1.0
265	238	242	0.0	0.533	1.0	43.0	−3.3	−40.8	41.0	265	0.0	1.0	0.994	56.8	−25.7	−41.1	48.6	238	0.0	0.533	1.0	0.0	0.885	1.0	54.4	−21.4	−41.3	46.7	242	0.0	0.533	1.0
266	239	243	0.0	0.516	1.0	42.3	−2.3	−40.7	40.8	266	0.0	0.985	1.0	56.5	−24.9	−41.4	48.5	239	0.0	0.517	1.0	0.0	0.864	1.0	53.9	−20.6	−41.3	46.3	243	0.0	0.517	1.0
268	240	244	0.0	0.5	1.0	41.7	−1.2	−40.6	40.6	268	0.0	0.956	1.0	55.9	−23.9	−41.4	48.0	240	0.0	0.5	1.0	0.0	0.847	1.0	53.3	−19.8	−41.3	45.9	244	0.0	0.5	1.0
269	241	245	0.0	0.483	1.0	41.1	−0.2	−40.6	40.6	269	0.0	0.928	1.0	55.3	−22.9	−41.4	47.4	241	0.0	0.483	1.0	0.0	0.829	1.0	52.8	−19.0	−41.3	45.6	245	0.0	0.483	1.0
271	242	246	0.0	0.466	1.0	40.5	0.7	−40.6	40.6	271	0.0	0.9	1.0	54.7	−21.9	−41.3	46.9	242	0.0	0.467	1.0	0.0	0.811	1.0	52.3	−18.1	−41.2	45.2	246	0.0	0.467	1.0
272	243	247	0.0	0.45	1.0	39.9	1.7	−40.6	40.6	272	0.0	0.873	1.0	54.1	−21.0	−41.3	46.4	243	0.0	0.45	1.0	0.0	0.793	1.0	51.7	−17.3	−41.2	44.8	247	0.0	0.45	1.0
273	244	248	0.0	0.433	1.0	39.3	2.7	−40.6	40.6	273	0.0	0.854	1.0	53.5	−20.1	−41.3	46.1	244	0.0	0.433	1.0	0.0	0.775	1.0	51.2	−16.6	−41.1	44.5	248	0.0	0.433	1.0
275	245	248	0.0	0.416	1.0	38.8	3.6	−40.5	40.6	275	0.0	0.834	1.0	53.0	−19.2	−41.3	45.7	245	0.0	0.417	1.0	0.0	0.757	1.0	50.7	−15.8	−41.1	44.1	248	0.0	0.417	1.0
276	246	249	0.0	0.4	1.0	38.2	4.6	−40.4	40.7	276	0.0	0.815	1.0	52.4	−18.3	−41.3	45.3	246	0.0	0.4	1.0	0.0	0.741	1.0	50.2	−15.0	−41.0	43.8	249	0.0	0.4	1.0
277	247	250	0.0	0.383	1.0	37.6	5.6	−40.3	40.7	277	0.0	0.795	1.0	51.8	−17.4	−41.2	44.9	247	0.0	0.383	1.0	0.0	0.726	1.0	49.7	−14.3	−41.1	43.6	250	0.0	0.383	1.0
279	248	251	0.0	0.366	1.0	37.0	6.6	−40.2	40.8	279	0.0	0.775	1.0	51.2	−16.6	−41.1	44.5	248	0.0	0.367	1.0	0.0	0.711	1.0	49.2	−13.5	−41.0	43.4	251	0.0	0.367	1.0
280	249	252	0.0	0.35	1.0	36.4	7.7	−40.3	41.1	280	0.0	0.756	1.0	50.6	−15.7	−41.1	44.1	249	0.0	0.35	1.0	0.0	0.697	1.0	48.8	−12.8	−41.0	43.1	252	0.0	0.35	1.0
282	250	253	0.0	0.333	1.0	35.8	8.8	−40.4	41.3	282	0.0	0.739	1.0	50.1	−14.9	−41.0	43.8	250	0.0	0.333	1.0	0.0	0.682	1.0	48.3	−12.1	−41.0	42.9	253	0.0	0.333	1.0
283	251	254	0.0	0.316	1.0	35.2	9.9	−40.4	41.6	283	0.0	0.722	1.0	49.6	−14.1	−41.1	43.5	251	0.0	0.317	1.0	0.0	0.667	1.0	47.9	−11.4	−41.0	42.6	254	0.0	0.317	1.0
285	252	255	0.0	0.3	1.0	34.6	11.0	−40.4	41.9	285	0.0	0.706	1.0	49.1	−13.3	−41.0	43.3	252	0.0	0.3	1.0	0.0	0.652	1.0	47.4	−10.7	−40.9	42.4	255	0.0	0.3	1.0
286	253	256	0.0	0.283	1.0	34.0	12.1	−40.3	42.1	286	0.0	0.69	1.0	48.6	−12.5	−41.0	43.0	253	0.0	0.283	1.0	0.0	0.637	1.0	46.9	−9.9	−40.9	42.2	256	0.0	0.283	1.0
288	254	257	0.0	0.266	1.0	33.4	13.2	−40.3	42.4	288	0.0	0.673	1.0	48.1	−11.7	−41.0	42.7	254	0.0	0.267	1.0	0.0	0.623	1.0	46.5	−9.2	−40.8	42.0	257	0.0	0.267	1.0
289	255	258	0.0	0.25	1.0	32.8	14.3	−40.2	42.7	289	0.0	0.657	1.0	47.5	−10.9	−40.9	42.5	255	0.0	0.25	1.0	0.0	0.613	1.0	46.1	−8.6	−40.8	41.9	258	0.0	0.25	1.0



1−0031331−L0 QE370−70 LAB*la0, YN=0%, XYZnw=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB*nw=24.4, 0.0, 0.0, 95.6, 0.0, 0.0

Output: Offset standard print; separation cmy0*, D65, page 14/33

TUB-test chart QE37; hue code: H*$_d$=Y00G$_d$
48 step hue circles; *rgb−LabCh**tables

input: *rgb/cmyk −> rgb*$_d$
output: transfer to *cmy0*$_d$

see similar files: http://130.149.60.45/~farbmetrik/QE37/QE37.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

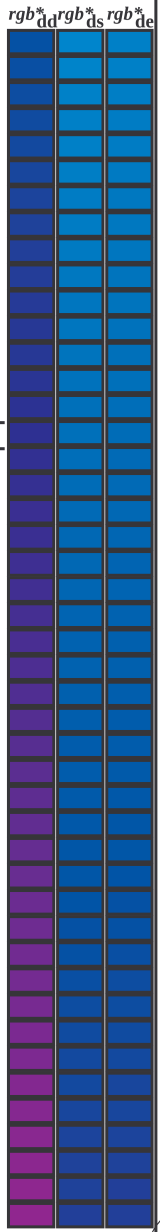
1−0031331−F0

TUB registration: 20130201-QE37/QE37L0NA.TXT /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0 (CMY0)

http://130.149.60.45/~farbmetrik/QE37/QE37L0NA.TXT /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 15/33

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

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}			$LAB^*_{ddx361Mi}$ (x=LabCh)					$rgb^*_{ds361Mi}$			$LAB^*_{dsx361Mi}$ (x=LabCh)					$rgb^*_{dd361Mi}$			$rgb^*_{de361Mi}$			$LAB^*_{dex361Mi}$ (x=LabCh)					$rgb^*_{dd361Mi}$		
289	255	258	0.0	0.25	1.0	32.8	14.3	−40.2	42.7	289	0.0	0.657	1.0	47.5	−10.9	−40.9	42.5	255	0.0	0.25	1.0	0.0	0.613	1.0	46.1	−8.6	−40.8	41.9	258	0.0	0.25	1.0
290	256	258	0.0	0.233	1.0	32.2	15.3	−40.3	43.1	290	0.0	0.641	1.0	47.0	−10.1	−40.9	42.2	256	0.0	0.233	1.0	0.0	0.603	1.0	45.7	−7.9	−40.9	41.7	258	0.0	0.233	1.0
292	257	259	0.0	0.216	1.0	31.7	16.4	−40.3	43.6	292	0.0	0.624	1.0	46.5	−9.3	−40.8	42.0	257	0.0	0.217	1.0	0.0	0.593	1.0	45.3	−7.2	−40.9	41.6	259	0.0	0.217	1.0
293	258	260	0.0	0.2	1.0	31.1	17.5	−40.4	44.0	293	0.0	0.613	1.0	46.1	−8.6	−40.8	41.9	258	0.0	0.2	1.0	0.0	0.583	1.0	44.9	−6.6	−40.9	41.5	260	0.0	0.2	1.0
294	259	261	0.0	0.183	1.0	30.6	18.5	−40.4	44.5	294	0.0	0.602	1.0	45.7	−7.9	−40.9	41.7	259	0.0	0.183	1.0	0.0	0.573	1.0	44.5	−5.9	−40.9	41.4	261	0.0	0.183	1.0
295	260	262	0.0	0.166	1.0	30.0	19.6	−40.4	44.9	295	0.0	0.591	1.0	45.3	−7.1	−40.9	41.6	260	0.0	0.167	1.0	0.0	0.562	1.0	44.1	−5.2	−40.9	41.3	262	0.0	0.167	1.0
297	261	263	0.0	0.15	1.0	29.5	20.7	−40.4	45.4	297	0.0	0.58	1.0	44.8	−6.4	−40.9	41.5	261	0.0	0.15	1.0	0.0	0.552	1.0	43.7	−4.5	−40.9	41.2	263	0.0	0.15	1.0
298	262	264	0.0	0.133	1.0	28.9	21.8	−40.3	45.8	298	0.0	0.569	1.0	44.4	−5.7	−40.9	41.4	262	0.0	0.133	1.0	0.0	0.542	1.0	43.4	−3.9	−40.8	41.1	264	0.0	0.133	1.0
299	263	265	0.0	0.116	1.0	28.4	22.8	−40.3	46.3	299	0.0	0.558	1.0	44.0	−4.9	−40.9	41.3	263	0.0	0.117	1.0	0.0	0.532	1.0	43.0	−3.2	−40.8	41.0	265	0.0	0.117	1.0
300	264	266	0.0	0.1	1.0	27.9	23.8	−40.4	46.9	300	0.0	0.547	1.0	43.5	−4.2	−40.8	41.2	264	0.0	0.1	1.0	0.0	0.522	1.0	42.6	−2.6	−40.7	40.9	266	0.0	0.1	1.0
301	265	267	0.0	0.083	1.0	27.4	24.7	−40.4	47.4	301	0.0	0.536	1.0	43.1	−3.5	−40.8	41.1	265	0.0	0.083	1.0	0.0	0.512	1.0	42.2	−1.9	−40.7	40.8	267	0.0	0.083	1.0
302	266	268	0.0	0.066	1.0	26.9	25.7	−40.4	47.9	302	0.0	0.525	1.0	42.7	−2.8	−40.7	40.9	266	0.0	0.067	1.0	0.0	0.502	1.0	41.8	−1.3	−40.6	40.7	268	0.0	0.067	1.0
303	267	269	0.0	0.049	1.0	26.5	26.6	−40.5	48.4	303	0.0	0.514	1.0	42.3	−2.0	−40.7	40.8	267	0.0	0.05	1.0	0.0	0.491	1.0	41.4	−0.6	−40.6	40.7	269	0.0	0.05	1.0
304	268	269	0.0	0.033	1.0	26.0	27.6	−40.4	49.0	304	0.0	0.503	1.0	41.8	−1.3	−40.6	40.7	268	0.0	0.033	1.0	0.0	0.48	1.0	41.0	0.0	−40.6	40.7	269	0.0	0.033	1.0
305	269	270	0.0	0.016	1.0	25.5	28.6	−40.4	49.5	305	0.0	0.491	1.0	41.4	−0.6	−40.6	40.7	269	0.0	0.017	1.0	0.0	0.469	1.0	40.6	0.6	−40.6	40.7	270	0.0	0.017	1.0
306	270	271	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306 B_d	0.0	0.479	1.0	41.0	0.0	−40.6	40.7	270 B_s	0.0	0.0	1.0	0.0	0.458	1.0	40.3	1.2	−40.6	40.7	271 B_e	0.0	0.0	1.0
307	271	272	0.016	0.0	1.0	25.4	30.4	−39.9	50.2	307	0.0	0.467	1.0	40.6	0.7	−40.6	40.7	271	0.017	0.0	1.0	0.0	0.447	1.0	39.9	1.9	−40.5	40.7	272	0.017	0.0	1.0
308	272	273	0.033	0.0	1.0	25.8	31.3	−39.4	50.4	308	0.0	0.455	1.0	40.2	1.4	−40.6	40.7	272	0.033	0.0	1.0	0.0	0.435	1.0	39.5	2.6	−40.5	40.7	273	0.033	0.0	1.0
309	273	274	0.05	0.0	1.0	26.2	32.2	−38.9	50.5	309	0.0	0.443	1.0	39.7	2.1	−40.5	40.7	273	0.05	0.0	1.0	0.0	0.424	1.0	39.1	3.3	−40.5	40.7	274	0.05	0.0	1.0
310	274	275	0.066	0.0	1.0	26.5	33.1	−38.4	50.7	310	0.0	0.431	1.0	39.3	2.8	−40.5	40.7	274	0.067	0.0	1.0	0.0	0.413	1.0	38.7	3.9	−40.4	40.7	275	0.067	0.0	1.0
311	275	276	0.083	0.0	1.0	26.9	33.9	−37.8	50.8	311	0.0	0.419	1.0	38.9	3.5	−40.4	40.7	275	0.083	0.0	1.0	0.0	0.401	1.0	38.3	4.6	−40.3	40.7	276	0.083	0.0	1.0
313	276	277	0.1	0.0	1.0	27.3	34.8	−37.3	51.0	313	0.0	0.407	1.0	38.5	4.3	−40.4	40.7	276	0.1	0.0	1.0	0.0	0.39	1.0	37.9	5.3	−40.3	40.7	277	0.1	0.0	1.0
314	277	278	0.116	0.0	1.0	27.7	35.6	−36.7	51.1	314	0.0	0.395	1.0	38.1	5.0	−40.3	40.7	277	0.117	0.0	1.0	0.0	0.378	1.0	37.5	5.9	−40.2	40.7	278	0.117	0.0	1.0
315	278	279	0.133	0.0	1.0	27.9	36.4	−36.2	51.3	315	0.0	0.383	1.0	37.6	5.7	−40.2	40.7	278	0.133	0.0	1.0	0.0	0.367	1.0	37.1	6.6	−40.2	40.8	279	0.133	0.0	1.0
316	279	280	0.15	0.0	1.0	28.1	37.2	−35.7	51.6	316	0.0	0.371	1.0	37.2	6.4	−40.2	40.8	279	0.15	0.0	1.0	0.0	0.357	1.0	36.7	7.3	−40.2	41.0	280	0.15	0.0	1.0
317	280	281	0.166	0.0	1.0	28.2	38.0	−35.2	51.9	317	0.0	0.36	1.0	36.8	7.1	−40.2	41.0	280	0.167	0.0	1.0	0.0	0.346	1.0	36.3	8.0	−40.3	41.2	281	0.167	0.0	1.0
318	281	282	0.183	0.0	1.0	28.3	38.8	−34.7	52.1	318	0.0	0.348	1.0	36.4	7.8	−40.3	41.1	281	0.183	0.0	1.0	0.0	0.335	1.0	35.9	8.7	−40.3	41.3	282	0.183	0.0	1.0
319	282	283	0.2	0.0	1.0	28.5	39.6	−34.2	52.4	319	0.0	0.337	1.0	36.0	8.6	−40.3	41.3	282	0.2	0.0	1.0	0.0	0.324	1.0	35.5	9.4	−40.3	41.5	283	0.2	0.0	1.0
320	283	284	0.216	0.0	1.0	28.6	40.4	−33.7	52.6	320	0.0	0.326	1.0	35.6	9.3	−40.3	41.5	283	0.217	0.0	1.0	0.0	0.313	1.0	35.1	10.1	−40.3	41.7	284	0.217	0.0	1.0
321	284	285	0.233	0.0	1.0	28.7	41.2	−33.1	52.9	321	0.0	0.314	1.0	35.2	10.1	−40.3	41.7	284	0.233	0.0	1.0	0.0	0.303	1.0	34.8	10.8	−40.3	41.9	285	0.233	0.0	1.0
322	285	285	0.25	0.0	1.0	28.8	41.9	−32.5	53.1	322	0.0	0.303	1.0	34.8	10.8	−40.3	41.9	285	0.25	0.0	1.0	0.0	0.292	1.0	34.4	11.6	−40.3	42.0	285	0.25	0.0	1.0
323	286	286	0.266	0.0	1.0	29.4	43.3	−31.8	53.8	323	0.0	0.291	1.0	34.3	11.6	−40.3	42.0	286	0.267	0.0	1.0	0.0	0.281	1.0	34.0	12.3	−40.3	42.2	286	0.267	0.0	1.0
325	287	287	0.283	0.0	1.0	29.9	44.7	−31.1	54.4	325	0.0	0.28	1.0	33.9	12.3	−40.3	42.2	287	0.283	0.0	1.0	0.0	0.27	1.0	33.6	13.0	−40.2	42.4	287	0.283	0.0	1.0
326	288	288	0.3	0.0	1.0	30.4	46.0	−30.3	55.1	326	0.0	0.269	1.0	33.5	13.1	−40.2	42.4	288	0.3	0.0	1.0	0.0	0.26	1.0	33.2	13.7	−40.2	42.5	288	0.3	0.0	1.0
328	289	289	0.316	0.0	1.0	30.9	47.3	−29.4	55.7	328	0.0	0.257	1.0	33.1	13.9	−40.2	42.6	289	0.317	0.0	1.0	0.0	0.249	1.0	32.8	14.4	−40.1	42.7	289	0.317	0.0	1.0
329	290	290	0.333	0.0	1.0	31.4	48.6	−28.5	56.4	329	0.0	0.245	1.0	32.7	14.6	−40.1	42.8	290	0.333	0.0	1.0	0.0	0.236	1.0	32.4	15.2	−40.2	43.1	290	0.333	0.0	1.0
331	291	291	0.35	0.0	1.0	32.0	49.9	−27.5	57.0	331	0.0	0.232	1.0	32.2	15.5	−40.2	43.2	291	0.35	0.0	1.0	0.0	0.223	1.0	32.0	16.0	−40.3	43.4	291	0.35	0.0	1.0
332	292	292	0.366	0.0	1.0	32.5	51.2	−26.5	57.7	332	0.0	0.219	1.0	31.8	16.3	−40.3	43.6	292	0.367	0.0	1.0	0.0	0.211	1.0	31.5	16.8	−40.3	43.8	292	0.367	0.0	1.0
333	293	293	0.383	0.0	1.0	32.9	52.3	−25.7	58.3	333	0.0	0.205	1.0	31.4	17.2	−40.3	43.9	293	0.383	0.0	1.0	0.0	0.198	1.0	31.1	17.6	−40.3	44.1	293	0.383	0.0	1.0
334	294	294	0.4	0.0	1.0	33.3	53.2	−25.0	58.8	334	0.0	0.192	1.0	30.9	18.0	−40.3	44.3	294	0.4	0.0	1.0	0.0	0.186	1.0	30.7	18.4	−40.4	44.5	294	0.4	0.0	1.0
335	295	295	0.416	0.0	1.0	33.7	54.1	−24.4	59.4	335	0.0	0.179	1.0	30.5	18.9	−40.4	44.6	295	0.417	0.0	1.0	0.0	0.173	1.0	30.3	19.2	−40.4	44.8	295	0.417	0.0	1.0
336	296	296	0.433	0.0	1.0	34.0	55.0	−23.7	59.9	336	0.0	0.166	1.0	30.0	19.7	−40.3	45.0	296	0.433	0.0	1.0	0.0	0.161	1.0	29.9	20.1	−40.3	45.1	296	0.433	0.0	1.0
337	297	297	0.45	0.0	1.0	34.4	55.9	−23.0	60.5	337	0.0	0.152	1.0	29.6	20.6	−40.3	45.4	297	0.45	0.0	1.0	0.0	0.148	1.0	29.4	20.9	−40.3	45.5	297	0.45	0.0	1.0
338	298	298	0.466	0.0	1.0	34.8	56.8	−22.2	61.0	338	0.0	0.139	1.0	29.1	21.5	−40.3	45.7	298	0.467	0.0	1.0	0.0	0.136	1.0	29.0	21.7	−40.3	45.8	298	0.467	0.0	1.0
339	299	299	0.483	0.0	1.0	35.2	57.7	−21.5	61.6	339	0.0	0.126	1.0	28.7	22.3	−40.2	46.1	299	0.483	0.0	1.0	0.0	0.122	1.0	28.6	22.6	−40.2	46.2	299	0.483	0.0	1.0
340	300	300	0.5	0.0	1.0	35.6	58.6	−20.7	62.1	340	0.0	0.109	1.0	28.2	23.3	−40.3	46.6	300	0.5	0.0	1.0	0.0	0.106	1.0	28.1	23.5	−40.3	46.7	300	0.5	0.0	1.0



1−0031431−L0 QE370−70 LAB*la0, YN=0%, XYZnw=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB*nw=24.4, 0.0, 0.0, 95.6, 0.0, 0.0

TUB-test chart QE37; hue code: H*$_d$=Y00G$_d$
48 step hue circles; *rgb−LabCh**tables

input: *rgb/cmyk −> rgb*$_d$
output: transfer to *cmy0*$_d$

see similar files: http://130.149.60.45/~farbmetrik/QE37/QE37.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

http://130.149.60.45/~farbmetrik/QE37/QE37L0NA.TXT /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 16/33

TUB registration: 20130201-QE37/QE37L0NA.TXT /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0 (CMY0)

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

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb*dd361M			LAB*ddx361Mi (x=LabCh)					rgb*ds361Mi			LAB*dsx361Mi (x=LabCh)					rgb*dd361Mi			rgb*de361Mi			LAB*dex361Mi (x=LabCh)					rgb*dd361Mi			rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
340	300	300	0.5	0.0	1.0	35.6	58.6	−20.7	62.1	340	0.0	0.109	1.0	28.2	23.3	−40.3	46.6	300	0.5	0.0	1.0	0.0	0.106	1.0	28.1	23.5	−40.3	46.7	300	0.5	0.0	1.0	■	■	■
341	301	301	0.516	0.0	1.0	35.9	59.5	−19.9	62.8	341	0.0	0.091	1.0	27.7	24.3	−40.3	47.2	301	0.517	0.0	1.0	0.0	0.089	1.0	27.6	24.4	−40.3	47.2	301	0.517	0.0	1.0	■	■	■
342	302	302	0.533	0.0	1.0	36.2	60.5	−19.0	63.4	342	0.0	0.074	1.0	27.2	25.3	−40.4	47.7	302	0.533	0.0	1.0	0.0	0.073	1.0	27.2	25.4	−40.4	47.8	302	0.533	0.0	1.0	■	■	■
343	303	303	0.55	0.0	1.0	36.6	61.4	−18.2	64.0	343	0.0	0.056	1.0	26.7	26.3	−40.4	48.3	303	0.55	0.0	1.0	0.0	0.056	1.0	26.7	26.3	−40.4	48.3	303	0.55	0.0	1.0	■	■	■
344	304	303	0.566	0.0	1.0	36.9	62.3	−17.3	64.7	344	0.0	0.039	1.0	26.2	27.3	−40.4	48.9	304	0.567	0.0	1.0	0.0	0.039	1.0	26.2	27.3	−40.4	48.8	303	0.567	0.0	1.0	■	■	■
345	305	304	0.583	0.0	1.0	37.2	63.2	−16.4	65.3	345	0.0	0.021	1.0	25.7	28.3	−40.4	49.4	305	0.583	0.0	1.0	0.0	0.023	1.0	25.7	28.2	−40.4	49.4	304	0.583	0.0	1.0	■	■	■
346	306	305	0.6	0.0	1.0	37.6	64.1	−15.4	66.0	346	0.0	0.004	1.0	25.2	29.4	−40.3	50.0	306	0.6	0.0	1.0	0.0	0.006	1.0	25.3	29.2	−40.3	49.9	305	0.6	0.0	1.0	■	■	■
347	307	306	0.616	0.0	1.0	37.9	65.0	−14.5	66.6	347	0.011	0.0	1.0	25.3	30.2	−40.0	50.2	307	0.617	0.0	1.0	0.009	0.0	1.0	25.3	30.1	−40.1	50.2	306	0.617	0.0	1.0	■	■	■
348	308	307	0.633	0.0	1.0	38.3	65.8	−13.7	67.2	348	0.026	0.0	1.0	25.7	31.0	−39.6	50.3	308	0.633	0.0	1.0	0.023	0.0	1.0	25.6	30.8	−39.7	50.3	307	0.633	0.0	1.0	■	■	■
348	309	308	0.65	0.0	1.0	38.8	66.6	−13.1	67.9	348	0.041	0.0	1.0	26.0	31.8	−39.1	50.5	309	0.65	0.0	1.0	0.036	0.0	1.0	25.9	31.5	−39.3	50.4	308	0.65	0.0	1.0	■	■	■
349	310	309	0.666	0.0	1.0	39.3	67.3	−12.5	68.5	349	0.056	0.0	1.0	26.3	32.5	−38.7	50.6	310	0.667	0.0	1.0	0.05	0.0	1.0	26.2	32.3	−38.8	50.6	309	0.667	0.0	1.0	■	■	■
350	311	310	0.683	0.0	1.0	39.8	68.1	−11.9	69.1	350	0.07	0.0	1.0	26.7	33.3	−38.2	50.8	311	0.683	0.0	1.0	0.064	0.0	1.0	26.5	33.0	−38.4	50.7	310	0.683	0.0	1.0	■	■	■
350	312	311	0.7	0.0	1.0	40.3	68.8	−11.2	69.7	350	0.085	0.0	1.0	27.0	34.1	−37.7	50.9	312	0.7	0.0	1.0	0.078	0.0	1.0	26.9	33.7	−37.9	50.8	311	0.7	0.0	1.0	■	■	■
351	313	312	0.716	0.0	1.0	40.8	69.5	−10.6	70.4	351	0.1	0.0	1.0	27.3	34.8	−37.2	51.0	313	0.717	0.0	1.0	0.092	0.0	1.0	27.2	34.4	−37.5	51.0	312	0.717	0.0	1.0	■	■	■
351	314	313	0.733	0.0	1.0	41.3	70.3	−9.9	71.0	351	0.114	0.0	1.0	27.7	35.5	−36.7	51.2	314	0.733	0.0	1.0	0.106	0.0	1.0	27.5	35.1	−37.0	51.1	313	0.733	0.0	1.0	■	■	■
352	315	314	0.75	0.0	1.0	41.8	71.0	−9.2	71.6	352	0.13	0.0	1.0	27.9	36.3	−36.2	51.3	315	0.75	0.0	1.0	0.12	0.0	1.0	27.8	35.8	−36.5	51.2	314	0.75	0.0	1.0	■	■	■
353	316	315	0.766	0.0	1.0	42.1	71.6	−8.7	72.1	353	0.146	0.0	1.0	28.1	37.1	−35.7	51.6	316	0.767	0.0	1.0	0.135	0.0	1.0	28.0	36.6	−36.0	51.4	315	0.767	0.0	1.0	■	■	■
353	317	316	0.783	0.0	1.0	42.4	72.1	−8.1	72.6	353	0.163	0.0	1.0	28.2	37.9	−35.3	51.8	317	0.783	0.0	1.0	0.151	0.0	1.0	28.1	37.3	−35.6	51.7	316	0.783	0.0	1.0	■	■	■
353	318	317	0.8	0.0	1.0	42.7	72.7	−7.6	73.1	353	0.18	0.0	1.0	28.3	38.7	−34.8	52.1	318	0.8	0.0	1.0	0.167	0.0	1.0	28.2	38.1	−35.1	51.9	317	0.8	0.0	1.0	■	■	■
354	319	318	0.816	0.0	1.0	43.1	73.2	−7.0	73.6	354	0.197	0.0	1.0	28.5	39.5	−34.2	52.4	319	0.817	0.0	1.0	0.183	0.0	1.0	28.4	38.9	−34.7	52.1	318	0.817	0.0	1.0	■	■	■
354	320	319	0.833	0.0	1.0	43.4	73.8	−6.5	74.1	354	0.213	0.0	1.0	28.6	40.3	−33.7	52.6	320	0.833	0.0	1.0	0.199	0.0	1.0	28.5	39.6	−34.2	52.4	319	0.833	0.0	1.0	■	■	■
355	321	320	0.85	0.0	1.0	43.7	74.3	−5.9	74.6	355	0.23	0.0	1.0	28.7	41.1	−33.2	52.9	321	0.85	0.0	1.0	0.215	0.0	1.0	28.6	40.4	−33.7	52.6	320	0.85	0.0	1.0	■	■	■
355	322	321	0.866	0.0	1.0	44.0	74.9	−5.3	75.1	355	0.247	0.0	1.0	28.9	41.9	−32.6	53.1	322	0.867	0.0	1.0	0.231	0.0	1.0	28.7	41.1	−33.2	52.9	321	0.867	0.0	1.0	■	■	■
356	323	321	0.883	0.0	1.0	44.3	75.4	−4.7	75.6	356	0.259	0.0	1.0	29.2	42.7	−32.1	53.5	323	0.883	0.0	1.0	0.247	0.0	1.0	28.9	41.8	−32.6	53.1	321	0.883	0.0	1.0	■	■	■
356	324	322	0.9	0.0	1.0	44.6	76.0	−4.1	76.1	356	0.27	0.0	1.0	29.5	43.7	−31.6	54.0	324	0.9	0.0	1.0	0.258	0.0	1.0	29.2	42.7	−32.1	53.5	322	0.9	0.0	1.0	■	■	■
357	325	323	0.916	0.0	1.0	44.8	76.6	−3.5	76.6	357	0.282	0.0	1.0	29.9	44.6	−31.1	54.4	325	0.917	0.0	1.0	0.269	0.0	1.0	29.5	43.5	−31.7	53.9	323	0.917	0.0	1.0	■	■	■
357	326	324	0.933	0.0	1.0	45.1	77.1	−2.8	77.2	357	0.293	0.0	1.0	30.2	45.5	−30.6	54.8	326	0.933	0.0	1.0	0.28	0.0	1.0	29.8	44.4	−31.2	54.3	324	0.933	0.0	1.0	■	■	■
358	327	325	0.95	0.0	1.0	45.3	77.7	−2.2	77.7	358	0.304	0.0	1.0	30.6	46.4	−30.0	55.3	327	0.95	0.0	1.0	0.29	0.0	1.0	30.1	45.2	−30.7	54.7	325	0.95	0.0	1.0	■	■	■
358	328	326	0.966	0.0	1.0	45.6	78.2	−1.5	78.2	358	0.315	0.0	1.0	30.9	47.2	−29.4	55.7	328	0.967	0.0	1.0	0.301	0.0	1.0	30.5	46.1	−30.2	55.1	326	0.967	0.0	1.0	■	■	■
359	329	327	0.983	0.0	1.0	45.8	78.7	−0.8	78.7	359	0.326	0.0	1.0	31.3	48.1	−28.8	56.1	329	0.983	0.0	1.0	0.311	0.0	1.0	30.8	46.9	−29.6	55.6	327	0.983	0.0	1.0	■	■	■
359	330	328	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359 M_d	0.337	0.0	1.0	31.6	49.0	−28.2	56.6	330 M_s	1.0	0.0	1.0	0.322	0.0	1.0	31.1	47.8	−29.1	56.0	328 M_e	1.0	0.0	1.0	■	■	■
360	331	329	1.0	0.0	0.983	46.1	79.1	0.3	79.1	360	0.349	0.0	1.0	32.0	49.9	−27.5	57.0	331	1.0	0.0	0.983	0.332	0.0	1.0	31.5	48.6	−28.5	56.4	329	1.0	0.0	0.983	■	■	■
360	332	330	1.0	0.0	0.966	46.0	79.0	0.9	79.0	360	0.36	0.0	1.0	32.3	50.7	−26.9	57.5	332	1.0	0.0	0.967	0.343	0.0	1.0	31.8	49.4	−27.9	56.8	330	1.0	0.0	0.967	■	■	■
361	333	331	1.0	0.0	0.95	46.0	78.9	1.5	78.9	361	0.371	0.0	1.0	32.7	51.6	−26.2	57.9	333	1.0	0.0	0.95	0.354	0.0	1.0	32.1	50.3	−27.2	57.2	331	1.0	0.0	0.95	■	■	■
361	334	332	1.0	0.0	0.933	46.0	78.7	2.1	78.8	361	0.386	0.0	1.0	33.0	52.5	−25.5	58.4	334	1.0	0.0	0.933	0.364	0.0	1.0	32.4	51.1	−26.6	57.6	332	1.0	0.0	0.933	■	■	■
361	335	333	1.0	0.0	0.916	46.0	78.6	2.7	78.6	361	0.404	0.0	1.0	33.4	53.5	−24.8	59.0	335	1.0	0.0	0.917	0.375	0.0	1.0	32.8	51.9	−25.9	58.0	333	1.0	0.0	0.917	■	■	■
362	336	334	1.0	0.0	0.9	46.0	78.4	3.2	78.5	362	0.421	0.0	1.0	33.8	54.4	−24.1	59.6	336	1.0	0.0	0.9	0.391	0.0	1.0	33.1	52.8	−25.3	58.6	334	1.0	0.0	0.9	■	■	■
362	337	335	1.0	0.0	0.883	45.9	78.3	3.8	78.4	362	0.438	0.0	1.0	34.2	55.4	−23.4	60.1	337	1.0	0.0	0.883	0.408	0.0	1.0	33.5	53.7	−24.7	59.1	335	1.0	0.0	0.883	■	■	■
363	338	336	1.0	0.0	0.866	45.9	78.1	4.4	78.3	363	0.456	0.0	1.0	34.6	56.3	−22.6	60.7	338	1.0	0.0	0.867	0.424	0.0	1.0	33.9	54.6	−24.0	59.7	336	1.0	0.0	0.867	■	■	■
363	339	337	1.0	0.0	0.85	45.9	78.0	5.0	78.2	363	0.473	0.0	1.0	35.0	57.2	−21.9	61.3	339	1.0	0.0	0.85	0.441	0.0	1.0	34.3	55.5	−23.3	60.2	337	1.0	0.0	0.85	■	■	■
364	340	338	1.0	0.0	0.833	45.9	77.9	5.6	78.1	364	0.491	0.0	1.0	35.4	58.1	−21.1	61.9	340	1.0	0.0	0.833	0.457	0.0	1.0	34.6	56.4	−22.6	60.8	338	1.0	0.0	0.833	■	■	■
364	341	339	1.0	0.0	0.816	45.9	77.7	6.2	78.0	364	0.508	0.0	1.0	35.8	59.1	−20.2	62.5	341	1.0	0.0	0.817	0.474	0.0	1.0	35.0	57.2	−21.8	61.3	339	1.0	0.0	0.817	■	■	■
365	342	339	1.0	0.0	0.8	45.9	77.6	6.8	77.9	365	0.525	0.0	1.0	36.1	60.0	−19.4	63.1	342	1.0	0.0	0.8	0.491	0.0	1.0	35.4	58.1	−21.1	61.8	339	1.0	0.0	0.8	■	■	■
365	343	340	1.0	0.0	0.783	45.9	77.4	7.4	77.8	365	0.542	0.0	1.0	36.4	61.0	−18.5	63.8	343	1.0	0.0	0.783	0.507	0.0	1.0	35.7	59.0	−20.3	62.4	340	1.0	0.0	0.783	■	■	■
365	344	341	1.0	0.0	0.766	45.9	77.3	8.0	77.7	365	0.559	0.0	1.0	36.8	61.9	−17.7	64.4	344	1.0	0.0	0.767	0.523	0.0	1.0	36.1	59.9	−19.5	63.0	341	1.0	0.0	0.767	■	■	■
366	345	342	1.0	0.0	0.75	45.9	77.1	8.6	77.6	366	0.576	0.0	1.0	37.1	62.9	−16.7	65.1	345	1.0	0.0	0.75	0.539	0.0	1.0	36.4	60.8	−18.7	63.7	342	1.0	0.0	0.75	■	■	■

1-0031531-L0 QE370-70 LAB*la0, YN=0%, XYZnw=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB*nw=24.4, 0.0, 0.0, 95.6, 0.0, 0.0

Output: Offset standard print; separation cmy0*, D65, page 16/33

TUB-test chart QE37; hue code: H*$_d$=Y00G$_d$
48 step hue circles; *rgb−LabCh**tables

input: *rgb/cmyk −> rgb*$_d$
output: transfer to *cmy0*$_d$

see similar files: http://130.149.60.45/~farbmetrik/QE37/QE37.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

QE3700L

TUB registration: 20130201-QE37/QE37L0NA.TXT /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0 (CMY0)

http://130.149.60.45/~farbmetrik/QE37/QE37L0NA.TXT /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 17/33

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

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

1-0031631-L0 QE370-70 LAB*la0, YN=0%, XYZnw=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB*nw=24.4, 0.0, 0.0, 95.6, 0.0, 0.0

Output: Offset standard print; separation cmy0*, D65, page 17/33

TUB-test chart QE37; hue code: H*$_d$=Y00G$_d$
48 step hue circles; *rgb−LabCh**tables

input: *rgb/cmyk −> rgb*$_d$
output: transfer to *cmy0*$_d$

1-0031631-F0

see similar files: http://130.149.60.45/~farbmetrik/QE37/QE37.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

QE3700L

TUB registration: 20130201-QE37/QE37L0NA.TXT /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0 (CMY0)

http://130.149.60.45/~farbmetrik/QE37/QE37L0NA.TXT /.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	45.4	70.9	44.8	83.9	32.3
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	48.6	63.3	49.1	80.2	37.7
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	53.0	53.4	54.8	76.5	45.7
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	58.8	41.1	61.7	74.1	56.3
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	64.9	28.9	68.6	74.5	67.1
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	72.5	14.8	77.6	79.0	79.1
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	78.6	4.3	84.7	84.8	87.0
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	83.7	−3.8	90.5	90.6	92.4
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	87.8	−10.2	95.4	96.0	96.1
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	84.5	−13.6	89.7	90.7	98.6
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	81.2	−17.0	84.3	86.0	101.4
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	75.6	−23.6	76.2	79.8	107.2
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	70.6	−29.7	66.5	72.8	114.0
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	65.2	−36.4	57.6	68.2	122.3
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	57.9	−48.3	45.8	66.5	136.5
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	54.4	−54.7	38.0	66.6	145.1
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	50.0	−65.0	29.6	71.4	155.5
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	50.5	−62.9	22.4	66.8	160.4
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	51.1	−59.5	13.9	61.1	166.8
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	51.9	−54.9	3.7	55.0	176.1
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	52.9	−48.6	−8.0	49.3	189.3
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	54.1	−42.0	−18.8	46.0	204.1
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	55.1	−35.4	−28.4	45.4	218.7
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	55.9	−30.4	−35.0	46.3	229.0
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	56.8	−25.5	−41.5	48.7	238.4
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	54.3	−21.4	−41.4	46.6	242.6
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	50.9	−16.2	−41.2	44.2	248.4
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	46.8	−9.8	−40.9	42.1	256.4
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	41.7	−1.2	−40.6	40.6	268.2
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	37.0	6.6	−40.2	40.8	279.3
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	32.2	15.3	−40.3	43.1	290.8
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	28.4	22.8	−40.3	46.3	299.5
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	25.0	29.5	−40.4	50.0	306.2
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	27.7	35.6	−36.7	51.1	314.1
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	28.7	41.2	−33.1	52.9	321.1
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	32.5	51.2	−26.5	57.7	332.6
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	35.6	58.6	−20.7	62.1	340.5
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	38.3	65.8	−13.7	67.2	348.2
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	42.1	71.6	−8.7	72.1	353.0
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	44.3	75.4	−4.7	75.6	356.3
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	46.1	79.3	−0.2	79.3	359.8
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	45.9	78.3	3.8	78.4	2.8
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	45.9	77.3	8.0	77.7	5.9
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	46.0	75.7	14.4	77.1	10.8
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	45.9	74.2	21.1	77.1	15.9
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	45.8	72.9	28.7	78.4	21.5
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	45.6	72.1	35.3	80.3	26.1
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	45.5	71.4	40.4	82.1	29.5
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	45.4	70.9	44.8	83.9	32.3
49/0	NW_000$_d$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0
50/91	NW_013$_d$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	33.2	0.0	0.0	0.0	0.0
51/182	NW_025$_d$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	42.1	0.0	0.0	0.0	0.0
52/273	NW_038$_d$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	51.0	0.0	0.0	0.0	0.0
53/364	NW_050$_d$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	60.0	0.0	0.0	0.0	0.0
54/455	NW_063$_d$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.9	0.0	0.0	0.0	0.0
55/546	NW_075$_d$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0
56/637	NW_088$_d$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.7	0.0	0.0	0.0	0.0
57/728	NW_100$_d$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0

n/j	$rgb^{*\prime}_{Fd}$			$LabCh^{*\prime}_{Fd}$					$DE^{*\prime}_{Fd}$	$h_{siM,d}$	rgb^*_{Md}			$LabCh^*_{Md}$				
0/648	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	0.0	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
1/657	1.0	0.125	0.0	48.9	62.8	49.4	79.9	38.1	0.6	36	1.0	0.116	0.0	48.6	63.3	49.1	80.2	37.7
2/666	1.0	0.25	0.0	53.6	51.9	55.5	76.0	46.8	1.7	42	1.0	0.233	0.0	53.0	53.4	54.8	76.5	45.7
3/675	1.0	0.375	0.0	59.1	40.3	62.0	74.0	56.9	0.9	51	1.0	0.366	0.0	58.8	41.1	61.7	74.1	56.3
4/684	1.0	0.5	0.0	64.9	28.9	68.6	74.5	67.1	0.0	59	1.0	0.5	0.0	64.9	28.9	68.6	74.5	67.1
5/693	1.0	0.625	0.0	72.1	15.4	77.1	78.6	78.6	0.8	68	1.0	0.633	0.0	72.5	14.8	77.6	79.0	79.1
6/702	1.0	0.75	0.0	77.9	5.4	83.8	84.0	86.2	1.6	77	1.0	0.766	0.0	78.6	4.3	84.7	84.8	87.0
7/711	1.0	0.875	0.0	83.4	−3.4	90.2	90.2	92.1	0.6	83	1.0	0.883	0.0	83.7	−3.8	90.5	90.6	92.4
8/720	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1	0.0	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
9/639	0.875	1.0	0.0	84.3	−13.9	89.2	90.3	98.8	0.5	96	0.883	1.0	0.0	84.5	−13.6	89.7	90.7	98.6
10/558	0.75	1.0	0.0	80.7	−17.5	83.5	85.3	101.8	1.0	102	0.766	1.0	0.0	81.2	−17.0	84.3	86.0	101.4
11/477	0.625	1.0	0.0	75.3	−24.0	75.7	79.4	107.6	0.7	111	0.633	1.0	0.0	75.6	−23.6	76.2	79.8	107.2
12/396	0.5	1.0	0.0	70.6	−29.7	66.5	72.8	114.0	0.0	119	0.5	1.0	0.0	70.6	−29.7	66.5	72.8	114.0
13/315	0.375	1.0	0.0	65.7	−35.6	58.3	68.3	121.4	1.2	128	0.366	1.0	0.0	65.2	−36.4	57.6	68.2	122.3
14/234	0.25	1.0	0.0	58.4	−47.3	46.8	66.6	135.3	1.4	137	0.233	1.0	0.0	57.9	−48.3	45.8	66.5	136.5
15/153	0.125	1.0	0.0	54.7	−53.9	38.5	66.3	144.4	0.9	143	0.116	1.0	0.0	54.4	−54.7	38.0	66.6	145.1
16/72	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5	0.0	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
17/73	0.0	1.0	0.125	50.5	−62.8	21.9	66.5	160.7	0.5	156	0.0	1.0	0.116	50.5	−62.9	22.4	66.8	160.4
18/74	0.0	1.0	0.25	51.2	−58.9	12.7	60.3	167.7	1.2	162	0.0	1.0	0.233	51.1	−59.5	13.9	61.1	166.8
19/75	0.0	1.0	0.375	52.0	−54.5	3.1	54.6	176.7	0.6	171	0.0	1.0	0.366	51.9	−54.9	3.7	55.0	176.1
20/76	0.0	1.0	0.5	52.9	−48.6	−8.0	49.3	189.3	0.0	180	0.0	1.0	0.5	52.9	−48.6	−8.0	49.3	189.3
21/77	0.0	1.0	0.625	54.0	−42.3	−18.1	46.1	203.2	0.7	188	0.0	1.0	0.633	54.1	−42.0	−18.8	46.0	204.1
22/78	0.0	1.0	0.75	55.0	−36.0	−27.4	45.3	217.2	1.1	197	0.0	1.0	0.766	55.1	−35.4	−28.4	45.4	218.7
23/79	0.0	1.0	0.875	55.8	−30.7	−34.5	46.2	228.3	0.5	203	0.0	1.0	0.883	55.9	−30.4	−35.0	46.3	229.0
24/80	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4	0.0	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
25/71	0.0	0.875	1.0	54.1	−21.1	−41.3	46.4	242.9	0.3	216	0.0	0.883	1.0	54.3	−21.4	−41.4	46.6	242.6
26/62	0.0	0.75	1.0	50.4	−15.5	−41.1	43.9	249.3	0.8	222	0.0	0.766	1.0	50.9	−16.2	−41.2	44.2	248.4
27/53	0.0	0.625	1.0	46.5	−9.4	−40.8	41.9	256.9	0.4	231	0.0	0.633	1.0	46.8	−9.8	−40.9	42.1	256.4
28/44	0.0	0.5	1.0	41.7	−1.2	−40.6	40.6	268.2	0.0	240	0.0	0.5	1.0	41.7	−1.2	−40.6	40.6	268.2
29/35	0.0	0.375	1.0	37.3	6.1	−40.2	40.7	278.6	0.6	248	0.0	0.366	1.0	37.0	6.6	−40.2	40.8	279.3
30/26	0.0	0.25	1.0	32.8	14.3	−40.2	42.7	289.6	1.1	257	0.0	0.233	1.0	32.2	15.3	−40.3	43.1	290.8
31/17	0.0	0.125	1.0	28.6	22.4	−40.2	46.1	299.0	0.5	263	0.0	0.116	1.0	28.4	22.8	−40.3	46.3	299.5
32/8	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2	0.0	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
33/89	0.125	0.0	1.0	27.9	36.0	−36.4	51.2	314.7	0.5	276	0.116	0.0	1.0	27.7	35.6	−36.7	51.1	314.1
34/170	0.25	0.0	1.0	28.8	41.9	−32.5	53.1	322.1	0.9	282	0.233	0.0	1.0	28.7	41.2	−33.1	52.9	321.1
35/251	0.375	0.0	1.0	32.7	51.8	−26.0	58.0	333.3	0.8	291	0.366	0.0	1.0	32.5	51.2	−26.5	57.7	332.6
36/332	0.5	0.0	1.0	35.6	58.6	−20.7	62.1	340.5	0.0	300	0.5	0.0	1.0	35.6	58.6	−20.7	62.1	340.5
37/413	0.625	0.0	1.0	38.1	65.4	−14.0	66.9	347.9	0.5	308	0.633	0.0	1.0	38.3	65.8	−13.7	67.2	348.2
38/494	0.75	0.0	1.0	41.8	71.0	−9.2	71.6	352.5	0.8	317	0.766	0.0	1.0	42.1	71.6	−8.7	72.1	353.0
39/575	0.875	0.0	1.0	44.2	75.2	−5.0	75.3	356.1	0.4	323	0.883	0.0	1.0	44.3	75.4	−4.7	75.6	356.3
40/656	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8	0.0	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
41/655	1.0	0.0	0.875	45.9	78.2	4.1	78.3	363.0	0.2	336	1.0	0.0	0.883	45.9	78.3	3.8	78.4	2.8
42/654	1.0	0.0	0.75	45.9	77.1	8.6	77.6	366.4	0.6	342	1.0	0.0	0.766	45.9	77.3	8.0	77.7	5.9
43/653	1.0	0.0	0.625	46.0	75.6	14.8	77.0	371.1	0.4	351	1.0	0.0	0.633	46.0	75.7	14.4	77.1	10.8
44/652	1.0	0.0	0.5	45.9	74.2	21.1	77.1	375.9	0.0	360	1.0	0.0	0.5	45.9	74.2	21.1	77.1	15.9
45/651	1.0	0.0	0.375	45.8	72.9	28.3	78.3	381.2	0.4	368	1.0	0.0	0.366	45.8	72.9	28.7	78.4	21.5
46/650	1.0	0.0	0.25	45.6	72.1	34.6	80.0	385.6	0.7	377	1.0	0.0	0.233	45.6	72.1	35.3	80.3	26.1
47/649	1.0	0.0	0.125	45.5	71.4	40.1	81.9	389.3	0.3	383	1.0	0.0	0.116	45.5	71.4	40.4	82.1	29.5
48/648	1.0	0.0	0.0	45.4	70.9	44.8	83.9	392.3	0.0	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
49/0	0.0	0.0	0.0	48.9	62.8	49.4	79.9	398.1	83.6	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
50/91	0.125	0.125	0.125	24.3	0.0	0.0	0.0	0.0	8.9	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
51/182	0.25	0.25	0.25	29.8	7.2	3.6	8.1	26.3	14.7	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
52/273	0.375	0.375	0.375	35.7	7.5	7.1	10.4	43.4	18.5	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
53/364	0.5	0.5	0.5	45.3	10.0	11.0	14.9	47.8	20.9	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
54/455	0.625	0.625	0.625	55.1	8.8	9.3	12.8	46.5	18.8	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
55/546	0.75	0.75	0.75	64.6	6.7	9.1	11.3	53.7	17.4	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
56/637	0.875	0.875	0.875	76.3	4.7	5.9	7.6	51.3	12.8	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
57/728	1.0	1.0	1.0	86.7	1.6	2.9	3.3	60.9	9.5	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0

Mean color difference of this page: **delta $E^{*\prime}$ = *4.0***

1-0031731-F0

QE370−7N, Page 18/33−F

TUB-test chart QE37; hue code: H*$_d$=Y00G$_d$
colors and differences, Δ*E**'

input: *rgb/cmyk* −> *rgb*$_d$
output: transfer to *cmy0*$_d$

see similar files: http://130.149.60.45/~farbmetrik/QE37/QE37.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

1-0031731-F0

QE3700L

TUB registration: 20130201-QE37/QE37L0NA.TXT /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0 (CMY0)

http://130.149.60.45/~farbmetrik/QE37/QE37L0NA.TXT /.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*'**$_{Fd}$**			***LabCh*'**$_{Fd}$**					***DE*'**$_{Fd}$**	***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	45.4	70.9	44.8	83.9	32.3	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	0.0	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
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	53.0	53.4	54.8	76.5	45.7	1.0	0.25	0.0	53.6	51.9	55.5	76.0	46.8	1.7	42	1.0	0.233	0.0	53.0	53.4	54.8	76.5	45.7
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	64.9	28.9	68.6	74.5	67.1	1.0	0.5	0.0	64.9	28.9	68.6	74.5	67.1	0.0	59	1.0	0.5	0.0	64.9	28.9	68.6	74.5	67.1
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	78.6	4.3	84.7	84.8	87.0	1.0	0.75	0.0	77.9	5.4	83.8	84.0	86.2	1.6	77	1.0	0.766	0.0	78.6	4.3	84.7	84.8	87.0
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	87.8	−10.2	95.4	96.0	96.1	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1	0.0	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
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	81.2	−17.0	84.3	86.0	101.4	0.75	1.0	0.0	80.7	−17.5	83.5	85.3	101.8	1.0	102	0.766	1.0	0.0	81.2	−17.0	84.3	86.0	101.4
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	70.6	−29.7	66.5	72.8	114.0	0.5	1.0	0.0	70.6	−29.7	66.5	72.8	114.0	0.0	119	0.5	1.0	0.0	70.6	−29.7	66.5	72.8	114.0
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	57.9	−48.3	45.8	66.5	136.5	0.25	1.0	0.0	58.4	−47.3	46.8	66.6	135.3	1.4	137	0.233	1.0	0.0	57.9	−48.3	45.8	66.5	136.5
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	50.0	−65.0	29.6	71.4	155.5	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5	0.0	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
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	50.0	−65.0	29.6	71.4	155.5	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5	0.0	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
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	52.9	−48.6	−8.0	49.3	189.3	0.0	1.0	0.5	52.9	−48.6	−8.0	49.3	189.3	0.0	180	0.0	1.0	0.5	52.9	−48.6	−8.0	49.3	189.3
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	56.8	−25.5	−41.5	48.7	238.4	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4	0.0	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
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	41.7	−1.2	−40.6	40.6	268.2	0.0	0.5	1.0	41.7	−1.2	−40.6	40.6	268.2	0.0	240	0.0	0.5	1.0	41.7	−1.2	−40.6	40.6	268.2
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	25.0	29.5	−40.4	50.0	306.2	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2	0.0	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
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	35.6	58.6	−20.7	62.1	340.5	0.5	0.0	1.0	35.6	58.6	−20.7	62.1	340.5	0.0	300	0.5	0.0	1.0	35.6	58.6	−20.7	62.1	340.5
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	46.1	79.3	−0.2	79.3	359.8	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8	0.0	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
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	45.9	74.2	21.1	77.1	15.9	1.0	0.0	0.5	45.9	74.2	21.1	77.1	15.9	0.0	360	1.0	0.0	0.5	45.9	74.2	21.1	77.1	15.9
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	45.4	70.9	44.8	83.9	32.3	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	0.0	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
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	70.5	35.4	22.4	41.9	32.3	1.0	0.5	0.5	68.0	29.9	28.7	41.5	43.8	8.7	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
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	80.2	14.4	34.3	37.2	67.1	1.0	0.75	0.5	80.4	9.0	35.3	36.5	75.5	5.4	59	1.0	0.5	0.0	64.9	28.9	68.6	74.5	67.1
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	91.7	−5.1	47.7	48.0	96.1	1.0	1.0	0.5	91.4	−7.7	42.5	43.2	100.3	5.8	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
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	83.1	−14.8	33.2	36.4	114.0	0.75	1.0	0.5	84.2	−14.1	31.5	34.5	114.0	2.1	119	0.5	1.0	0.0	70.6	−29.7	66.5	72.8	114.0
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	72.8	−32.5	14.8	35.7	155.5	0.5	1.0	0.5	73.9	−23.7	19.9	31.0	140.0	10.1	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
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	76.2	−12.7	−20.7	24.3	238.4	0.5	1.0	1.0	78.7	−11.6	−18.3	21.7	237.6	3.6	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
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	60.3	14.7	−20.2	25.0	306.2	0.5	0.5	1.0	57.9	18.3	−20.7	27.7	311.4	4.3	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
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	70.8	39.6	−0.1	39.6	359.8	1.0	0.5	1.0	70.7	35.2	−3.7	35.4	353.9	5.7	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
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	70.5	35.4	22.4	41.9	32.3	1.0	0.5	0.5	68.0	29.9	28.7	41.5	43.8	8.7	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
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	52.7	35.4	22.4	41.9	32.3	0.75	0.25	0.25	50.4	39.4	31.9	50.7	38.9	10.5	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
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	62.4	14.4	34.3	37.2	67.1	0.75	0.5	0.25	61.2	18.1	39.5	43.4	65.3	6.4	59	1.0	0.5	0.0	64.9	28.9	68.6	74.5	67.1
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	73.9	−5.1	47.7	48.0	96.1	0.75	0.75	0.25	72.4	−1.4	48.0	48.0	91.7	3.9	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
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	65.3	−14.8	33.2	36.4	114.0	0.5	0.75	0.25	63.2	−12.6	35.5	37.7	109.6	3.7	119	0.5	1.0	0.0	70.6	−29.7	66.5	72.8	114.0
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	55.0	−32.5	14.8	35.7	155.5	0.25	0.75	0.25	53.0	−27.9	21.7	35.3	142.0	8.5	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
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	58.4	−12.7	−20.7	24.3	238.4	0.25	0.75	0.75	55.9	−14.3	−16.3	21.7	228.6	5.3	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
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	42.5	14.7	−20.2	25.0	306.2	0.25	0.25	0.75	37.5	18.9	−20.4	27.9	312.8	6.5	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
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	53.0	39.6	−0.1	39.6	359.8	0.75	0.25	0.75	52.4	44.4	0.5	44.4	0.6	4.8	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
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	52.7	35.4	22.4	41.9	32.3	0.75	0.25	0.25	50.4	39.4	31.9	50.7	38.9	10.5	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
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	34.9	35.4	22.4	41.9	32.3	0.5	0.0	0.0	34.8	44.7	22.4	50.0	26.6	9.2	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
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	44.6	14.4	34.3	37.2	67.1	0.5	0.25	0.0	43.4	24.2	33.3	41.2	53.9	9.9	59	1.0	0.5	0.0	64.9	28.9	68.6	74.5	67.1
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	56.1	−5.1	47.7	48.0	96.1	0.5	0.5	0.0	52.6	3.9	44.2	44.3	84.8	10.3	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
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	47.4	−14.8	33.2	36.4	114.0	0.25	0.5	0.0	43.1	−14.1	28.4	31.7	116.4	6.5	119	0.5	1.0	0.0	70.6	−29.7	66.5	72.8	114.0
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	37.2	−32.5	14.8	35.7	155.5	0.0	0.5	0.0	37.3	−36.4	15.2	39.5	157.2	3.9	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
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	40.5	−12.7	−20.7	24.3	238.4	0.0	0.5	0.5	39.1	−21.5	−13.3	25.3	211.8	11.5	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
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	24.7	14.7	−20.2	25.0	306.2	0.0	0.0	0.5	24.3	11.6	−18.9	22.1	301.5	3.4	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
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	35.2	39.6	−0.1	39.6	359.8	0.5	0.0	0.5	35.0	49.8	0.6	49.8	0.7	10.2	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
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	34.9	35.4	22.4	41.9	32.3	0.5	0.0	0.0	34.8	44.7	22.4	50.0	26.6	9.2	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
45/0	NW_000$_d$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
46/91	NW_013$_d$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	33.2	0.0	0.0	0.0	0.0	0.125	0.125	0.125	29.8	7.2	3.6	8.1	26.3	8.7	360	1.0	1.0	1.0	95.6	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	42.1	0.0	0.0	0.0	0.0	0.25	0.25	0.25	35.7	7.5	7.1	10.4	43.4	12.2	360	1.0	1.0	1.0	95.6	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	51.0	0.0	0.0	0.0	0.0	0.375	0.375	0.375	45.3	10.0	11.0	14.9	47.8	16.0	360	1.0	1.0	1.0	95.6	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	60.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	55.1	8.8	9.3	12.8	46.5	13.7	360	1.0	1.0	1.0	95.6	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	68.9	0.0	0.0	0.0	0.0	0.625	0.625	0.625	64.6	6.7	9.1	11.3	53.7	12.1	360	1.0	1.0	1.0	95.6	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	77.8	0.0	0.0	0.0	0.0	0.75	0.75	0.75	76.3	4.7	5.9	7.6	51.3	7.7	360	1.0	1.0	1.0	95.6	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	86.7	0.0	0.0	0.0	0.0	0.875	0.875	0.875	86.7	1.6	2.9	3.3	60.9	3.3	360	1.0	1.0	1.0	95.6	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	95.6	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0

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

1-0031831-F0

QE370-7N, Page 19/33-F

TUB-test chart QE37; hue code: H^*_d=Y00G$_d$
colors and differences, Δ*E*'

input: *rgb/cmyk* −> *rgb*$_d$
output: transfer to *cmy0*$_d$

see similar files: http://130.149.60.45/~farbmetrik/QE37/QE37.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

1-0031831-F0

QE3700L

http://130.149.60.45/~farbmetrik/QE37/QE37L0NA.TXT /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 20/33

TUB registration: 20130201-QE37/QE37L0NA.TXT /.PS   TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0 (CMY0)

n=j	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*$_{Md}$				
0	NW_000$_d$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1	B00R_012_012$_d$	0.0	0.0	0.125	0.125	0.125	0.062	270	0.0	0.0	0.125	24.4	3.6	−5.0	6.2	306.2	0.0	0.0	0.125	23.8	2.3	−3.5	4.2	303.1	2.1	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
2	B00R_025_025$_d$	0.0	0.0	0.25	0.25	0.25	0.125	270	0.0	0.0	0.25	24.5	7.3	−10.1	12.5	306.2	0.0	0.0	0.25	23.9	4.8	−8.0	9.4	300.8	3.3	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
3	B00R_037_037$_d$	0.0	0.0	0.375	0.375	0.375	0.187	270	0.0	0.0	0.375	24.6	11.0	−15.1	18.7	306.2	0.0	0.0	0.375	24.1	6.9	−12.1	13.9	299.8	5.1	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
4	B00R_050_050$_d$	0.0	0.0	0.5	0.5	0.5	0.25	270	0.0	0.0	0.5	24.7	14.7	−20.2	25.0	306.2	0.0	0.0	0.5	24.3	11.6	−18.9	22.1	301.5	3.4	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
5	B00R_062_062$_d$	0.0	0.0	0.625	0.625	0.625	0.312	270	0.0	0.0	0.625	24.8	18.4	−25.2	31.3	306.2	0.0	0.0	0.625	24.6	15.8	−24.6	29.2	302.7	2.7	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
6	B00R_075_075$_d$	0.0	0.0	0.75	0.75	0.75	0.375	270	0.0	0.0	0.75	24.9	22.1	−30.3	37.5	306.2	0.0	0.0	0.75	24.7	20.7	−30.7	37.0	303.9	1.5	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
7	B00R_087_087$_d$	0.0	0.0	0.875	0.875	0.875	0.437	270	0.0	0.0	0.875	24.9	25.8	−35.3	43.8	306.2	0.0	0.0	0.875	24.8	25.5	−35.9	44.0	305.3	0.7	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
8	B00R_100_100$_d$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2	0.0	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
9	G00B_012_012$_d$	0.0	0.125	0.0	0.125	0.125	0.062	150	0.0	0.125	0.0	27.5	−8.1	3.7	8.9	155.5	0.0	0.125	0.0	27.1	−8.2	2.9	8.7	160.0	0.8	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
10	G50B_012_012$_d$	0.0	0.125	0.125	0.125	0.125	0.062	210	0.0	0.125	0.125	28.4	−3.1	−5.1	6.0	238.4	0.0	0.125	0.125	26.7	−5.9	−1.1	6.0	190.5	5.2	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
11	G75B_025_025$_d$	0.0	0.125	0.25	0.25	0.25	0.125	240	0.0	0.125	0.25	28.7	−0.3	−10.1	10.1	268.2	0.0	0.125	0.25	27.1	−3.6	−5.7	6.8	237.4	5.7	240	0.0	0.5	1.0	41.7	−1.2	−40.6	40.6	268.2
12	G84B_037_037$_d$	0.0	0.125	0.375	0.375	0.375	0.187	251	0.0	0.118	0.375	28.4	3.7	−15.1	15.6	283.7	0.0	0.125	0.375	27.1	−0.2	−10.8	10.8	268.5	5.9	251	0.0	0.316	1.0	35.2	9.9	−40.4	41.6	283.7
13	G88B_050_050$_d$	0.0	0.125	0.5	0.5	0.5	0.25	256	0.0	0.116	0.5	28.3	7.6	−20.1	21.5	290.8	0.0	0.125	0.5	27.3	4.4	−17.8	18.3	284.1	4.1	257	0.0	0.233	1.0	32.2	15.3	−40.3	43.1	290.8
14	G90B_062_062$_d$	0.0	0.125	0.625	0.625	0.625	0.312	259	0.0	0.114	0.625	28.2	11.6	−25.2	27.8	294.6	0.0	0.125	0.625	27.8	8.7	−24.2	25.7	289.8	3.0	260	0.0	0.183	1.0	30.6	18.5	−40.4	44.5	294.6
15	G92B_075_075$_d$	0.0	0.125	0.75	0.75	0.75	0.375	261	0.0	0.112	0.75	28.2	15.5	−30.3	34.0	297.1	0.0	0.125	0.75	28.1	13.4	−30.2	33.0	293.9	2.1	262	0.0	0.15	1.0	29.5	20.7	−40.4	45.4	297.1
16	G93B_087_087$_d$	0.0	0.125	0.875	0.875	0.875	0.437	262	0.0	0.116	0.875	28.3	19.1	−35.2	40.1	298.4	0.0	0.125	0.875	28.3	18.0	−35.6	39.9	296.8	1.1	262	0.0	0.133	1.0	28.9	21.8	−40.3	45.8	298.4
17	G94B_100_100$_d$	0.0	0.125	1.0	1.0	1.0	0.5	263	0.0	0.116	1.0	28.4	22.8	−40.3	46.3	299.5	0.0	0.125	1.0	28.6	22.4	−40.2	46.1	299.0	0.5	263	0.0	0.116	1.0	28.4	22.8	−40.3	46.3	299.5
18	G00B_025_025$_d$	0.0	0.25	0.0	0.25	0.25	0.125	150	0.0	0.25	0.0	30.7	−16.2	7.4	17.8	155.5	0.0	0.25	0.0	30.5	−18.5	7.5	20.0	157.7	2.2	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
19	G25B_025_025$_d$	0.0	0.25	0.125	0.25	0.25	0.125	180	0.0	0.25	0.125	31.5	−12.1	−2.0	12.3	189.3	0.0	0.25	0.125	30.7	−16.4	2.9	16.6	169.8	6.5	180	0.0	1.0	0.5	52.9	−48.6	−8.0	49.3	189.3
20	G50B_025_025$_d$	0.0	0.25	0.25	0.25	0.25	0.125	210	0.0	0.25	0.25	32.4	−6.3	−10.3	12.1	238.4	0.0	0.25	0.25	31.1	−13.5	−2.5	13.7	190.8	10.6	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
21	G65B_037_037$_d$	0.0	0.25	0.375	0.375	0.375	0.187	229	0.0	0.256	0.375	33.3	−4.6	−15.4	16.0	253.3	0.0	0.25	0.375	31.7	−11.0	−8.3	13.7	217.0	9.7	228	0.0	0.683	1.0	48.3	−12.2	−41.1	42.9	253.3
22	G75B_050_050$_d$	0.0	0.25	0.5	0.5	0.5	0.25	240	0.0	0.25	0.5	33.0	−0.6	−20.3	20.3	268.2	0.0	0.25	0.5	31.8	−5.6	−15.7	16.7	250.1	6.9	240	0.0	0.5	1.0	41.7	−1.2	−40.6	40.6	268.2
23	G80B_062_062$_d$	0.0	0.25	0.625	0.625	0.625	0.312	247	0.0	0.239	0.625	32.6	3.5	−25.1	25.4	277.9	0.0	0.25	0.625	32.1	−0.6	−22.5	22.5	268.3	4.9	247	0.0	0.383	1.0	37.6	5.6	−40.3	40.7	277.9
24	G84B_075_075$_d$	0.0	0.25	0.75	0.75	0.75	0.375	251	0.0	0.237	0.75	32.5	7.4	−30.3	31.2	283.7	0.0	0.25	0.75	32.2	4.8	−29.1	29.5	279.4	2.8	251	0.0	0.316	1.0	35.2	9.9	−40.4	41.6	283.7
25	G86B_087_087$_d$	0.0	0.25	0.875	0.875	0.875	0.437	254	0.0	0.233	0.875	32.3	11.5	−35.2	37.1	288.1	0.0	0.25	0.875	32.3	9.9	−34.9	36.3	285.8	1.6	255	0.0	0.266	1.0	33.4	13.2	−40.3	42.4	288.1
26	G88B_100_100$_d$	0.0	0.25	1.0	1.0	1.0	0.5	256	0.0	0.233	1.0	32.2	15.3	−40.3	43.1	290.8	0.0	0.25	1.0	32.8	14.3	−40.2	42.7	289.6	1.1	257	0.0	0.233	1.0	32.2	15.3	−40.3	43.1	290.8
27	G00B_037_037$_d$	0.0	0.375	0.0	0.375	0.375	0.187	150	0.0	0.375	0.0	34.0	−24.3	11.1	26.7	155.5	0.0	0.375	0.0	33.9	−27.6	11.4	29.8	157.4	3.2	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
28	G15B_037_037$_d$	0.0	0.375	0.125	0.375	0.375	0.187	169	0.0	0.375	0.118	34.6	−21.3	2.7	21.4	172.5	0.0	0.375	0.125	34.2	−25.5	6.6	26.4	165.4	5.7	168	0.0	1.0	0.316	51.6	−56.8	7.4	57.3	172.5
29	G34B_037_037$_d$	0.0	0.375	0.25	0.375	0.375	0.187	191	0.0	0.375	0.256	35.6	−14.8	−8.5	17.1	209.7	0.0	0.375	0.25	34.7	−22.1	−0.5	22.1	181.3	10.8	191	0.0	1.0	0.683	54.5	−39.7	−22.7	45.7	209.7
30	G50B_037_037$_d$	0.0	0.375	0.375	0.375	0.375	0.187	210	0.0	0.375	0.375	36.5	−9.5	−15.5	18.2	238.4	0.0	0.375	0.375	34.9	−18.4	−6.6	19.6	199.8	12.6	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
31	G61B_050_050$_d$	0.0	0.375	0.5	0.5	0.5	0.25	224	0.0	0.383	0.5	37.6	−8.1	−20.6	22.1	248.4	0.0	0.375	0.5	35.7	−14.1	−14.6	20.3	226.1	8.6	222	0.0	0.766	1.0	50.9	−16.2	−41.2	44.2	248.4
32	G69B_062_062$_d$	0.0	0.375	0.625	0.625	0.625	0.312	233	0.0	0.385	0.625	38.0	−5.5	−25.5	26.1	257.7	0.0	0.375	0.625	36.6	−10.0	−21.5	23.7	245.0	6.1	232	0.0	0.616	1.0	46.2	−8.9	−40.9	41.8	257.7
33	G75B_075_075$_d$	0.0	0.375	0.75	0.75	0.75	0.375	240	0.0	0.375	0.75	37.3	−0.9	−30.4	30.5	268.2	0.0	0.375	0.75	36.5	−4.0	−28.4	28.6	261.8	3.8	240	0.0	0.5	1.0	41.7	−1.2	−40.6	40.6	268.2
34	G79B_087_087$_d$	0.0	0.375	0.875	0.875	0.875	0.437	245	0.0	0.364	0.875	37.0	3.2	−35.4	35.6	275.1	0.0	0.375	0.875	36.5	2.0	−34.7	34.8	273.3	1.4	245	0.0	0.416	1.0	38.8	3.6	−40.5	40.6	275.1
35	G81B_100_100$_d$	0.0	0.375	1.0	1.0	1.0	0.5	248	0.0	0.366	1.0	37.0	6.6	−40.2	40.8	279.3	0.0	0.375	1.0	37.3	6.1	−40.2	40.7	278.6	0.6	248	0.0	0.366	1.0	37.0	6.6	−40.2	40.8	279.3
36	G00B_050_050$_d$	0.0	0.5	0.0	0.5	0.5	0.25	150	0.0	0.5	0.0	37.2	−32.5	14.8	35.7	155.5	0.0	0.5	0.0	37.3	−36.4	15.2	39.5	157.2	3.9	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
37	G11B_050_050$_d$	0.0	0.5	0.125	0.5	0.5	0.25	164	0.0	0.5	0.116	37.7	−29.7	6.9	30.5	166.8	0.0	0.5	0.125	37.6	−34.1	9.9	35.5	163.8	5.2	162	0.0	1.0	0.233	51.1	−59.5	13.9	61.1	166.8
38	G25B_050_050$_d$	0.0	0.5	0.25	0.5	0.5	0.25	180	0.0	0.5	0.25	38.6	−24.3	−4.0	24.6	189.3	0.0	0.5	0.25	38.1	−30.3	2.2	30.4	175.7	8.7	180	0.0	1.0	0.5	52.9	−48.6	−8.0	49.3	189.3
39	G38B_050_050$_d$	0.0	0.5	0.375	0.5	0.5	0.25	196	0.0	0.5	0.383	39.7	−17.7	−14.2	22.7	218.7	0.0	0.5	0.375	38.7	−26.0	−5.6	26.6	192.2	12.0	197	0.0	1.0	0.766	55.1	−35.4	−28.4	45.4	218.7
40	G50B_050_050$_d$	0.0	0.5	0.5	0.5	0.5	0.25	210	0.0	0.5	0.5	40.5	−12.7	−20.7	24.3	238.4	0.0	0.5	0.5	39.1	−21.5	−13.3	25.3	211.8	11.5	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
41	G59B_062_062$_d$	0.0	0.5	0.625	0.625	0.625	0.312	221	0.0	0.51	0.625	41.9	−11.5	−25.8	28.3	245.8	0.0	0.5	0.625	40.3	−17.0	−21.0	27.1	231.0	7.4	219	0.0	0.816	1.0	52.4	−18.5	−41.3	45.3	245.8
42	G65B_075_075$_d$	0.0	0.5	0.75	0.75	0.75	0.375	229	0.0	0.512	0.75	42.3	−9.2	−30.8	32.1	253.3	0.0	0.5	0.75	41.1	−12.1	−28.0	30.5	246.4	4.2	228	0.0	0.683	1.0	48.3	−12.2	−41.1	42.9	253.3
43	G70B_087_087$_d$	0.0	0.5	0.875	0.875	0.875	0.437	235	0.0	0.51	0.875	42.3	−5.8	−35.8	36.3	260.7	0.0	0.5	0.875	41.6	−6.8	−34.8	35.4	258.8	1.6	234	0.0	0.583	1.0	44.9	−6.6	−41.0	41.5	260.7
44	G75B_100_100$_d$	0.0	0.5	1.0	1.0	1.0	0.5	240	0.0	0.5	1.0	41.7	−1.2	−40.6	40.6	268.2	0.0	0.5	1.0	41.7	−1.2	−40.6	40.6	268.2	0.0	240	0.0	0.5	1.0	41.7	−1.2	−40.6	40.6	268.2
45	G00B_062_062$_d$	0.0	0.625	0.0	0.625	0.625	0.312	150	0.0	0.625	0.0	40.4	−40.6	18.5	44.6	155.5	0.0	0.625	0.0	41.4	−45.8	19.8	49.9	156.6	5.5	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
46	G09B_062_062$_d$	0.0	0.625	0.125	0.625	0.625	0.312	161	0.0	0.625	0.114	40.9	−38.2	10.9	39.7	164.0	0.0	0.625	0.125	41.6	−43.4	13.8	45.5	162.2	5.9	159	0.0	1.0	0.183	50.8	−61.1	17.4	63.6	164.0
47	G19B_062_062$_d$	0.0	0.625	0.25	0.625	0.625	0.312	173	0.0	0.625	0.239	41.6	−33.9	1.4	33.9	177.5	0.0	0.625	0.25	42.1	−39.7	5.6	40.1	171.9	7.1	172	0.0	1.0	0.383	52.0	−54.2	2.3	54.3	177.5
48	G30B_062_062$_d$	0.0	0.625	0.375	0.625	0.625	0.312	187	0.0	0.625	0.385	42.8	−26.7	−10.9	28.9	202.2	0.0	0.625	0.375	42.9	−34.7	−3.7	34.9	186.1	10.7	187	0.0	1.0	0.616	53.9	−42.8	−17.5	46.3	202.2
49	G40B_062_062$_d$	0.0	0.625	0.5	0.625	0.625	0.312	199	0.0	0.625	0.51	43.8	−20.8	−19.5	28.6	223.1	0.0	0.625	0.5	43.4	−29.7	−12.3	32.1	202.4	11.4	200	0.0	1.0	0.816	55.4	−33.3	−31.3	45.7	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	44.6	−15.9	−25.9	30.4	238.4	0.0	0.625	0.625	44.2	−25.0	−19.8	31.9	218.3	10.9	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
51	G57B_075_075$_d$	0.0	0.625	0.75	0.75	0.75	0.375	219	0.0	0.637	0.75	46.1	−15.0	−31.0	34.4	244.1	0.0	0.625	0.75	45.4	−19.9	−27.5	34.0	234.0	6.1	217	0.0	0.85	1.0	53.4	−20.0	−41.3	45.9	244.1
52	G63B_087_087$_d$	0.0	0.625	0.875	0.875	0.875	0.437	226	0.0	0.641	0.875	46.7	−12.8	−36.0	38.2	250.3	0.0	0.625	0.875	46.0	−14.7	−34.6	37.6	246.9	2.3	224	0.0	0.733	1.0	49.9	−14.7	−41.1	43.6	250.3
53	G68B_100_100$_d$	0.0	0.625	1.0	1.0	1.0	0.5	232	0.0	0.633	1.0	46.8	−9.8	−40.9	42.1	256.4	0.0	0.625	1.0	46.5	−9.4	−40.8	41.9	256.9	0.4	231	0.0	0.633	1.0	46.8	−9.8	−40.9	42.1	256.4
54	G00B_075_075$_d$	0.0	0.75	0.0	0.75	0.75	0.375	150	0.0	0.75	0.0	43.6	−48.7	22.2	53.5	155.5	0.0	0.75	0.0	44.1	−52.2	22.9	57.0	156.2	3.5	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
55	G07B_075_075$_d$	0.0	0.75	0.125	0.75	0.75	0.375	159	0.0	0.75	0.112	44.1	−46.6	14.9	48.9	162.1	0.0	0.75	0.125	44.4	−49.8	16.5	52.5	161.6	3.6	157	0.0	1.0	0.15	50.6	−62.1	19.9	65.2	162.1
56	G15B_075_075$_d$	0.0	0.75	0.25	0.75	0.75	0.375	169	0.0	0.75	0.237	44.8	−42.6	5.5	42.9	172.5	0.0	0.75	0.25	45.1	−46.0	7.6	46.6	170.5	3.9	168	0.0	1.0	0.316	51.6	−56.8	7.4	57.3	172.5
57	G25B_075_075$_d$	0.0	0.75	0.375	0.75	0.75	0.375	180	0.0	0.75	0.375	45.8	−36.5	−6.0	37.0	189.3	0.0	0.75	0.375	45.8	−41.8	−1.2	41.8	181.6	7.1	180	0.0	1.0	0.5	52.9	−48.6	−8.0	49.3	189.3
58	G34B_075_075$_d$	0.0	0.75	0.5	0.75	0.75	0.375	191	0.0	0.75	0.512	46.9	−29.7	−17.0	34.3	209.7	0.0	0.75	0.5	46.7	−35.7	−11.7	37.5	198.2	7.9	191	0.0	1.0	0.683	54.5	−39.7	−22.7	45.7	209.7
59	G42B_075_075$_d$	0.0	0.75	0.625	0.75	0.75	0.375	201	0.0	0.75	0.637	47.8	−23.9	−24.8	34.5	226.1	0.0	0.75	0.625	47.6	−30.2	−20.1	36.3	213.7	7.8	202	0.0	1.0	0.85	55.7	−31.8	−33.1	46.0	226.1
60	G50B_075_075$_d$	0.0	0.75	0.75	0.75	0.75	0.375	210	0.0	0.75	0.75	48.7	−19.1	−31.1	36.5	238.4	0.0	0.75	0.75	48.3	−25.2	−27.2	37.1	227.1	7.3	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
61	G56B_087_087$_d$	0.0	0.75	0.875	0.875	0.875	0.437	218	0.0	0.758	0.875	50.2	−18.1	−36.2	40.5	243.3	0.0	0.75	0.875	49.3	−20.3	−34.4	40.0	239.4	2.9	217	0.0	0.866	1.0	53.9	−20.7	−41.3	46.3	243.3
62	G61B_100_100$_d$	0.0	0.75	1.0	1.0	1.0	0.5	224	0.0	0.766	1.0	50.9	−16.2	−41.2	44.2	248.4	0.0	0.75	1.0	50.4	−15.5	−41.1	43.9	249.3	0.8	222	0.0	0.766	1.0	50.9	−16.2	−41.2	44.2	248.4
63	G00B_087_087$_d$	0.0	0.875	0.0	0.875	0.875	0.437	150	0.0	0.875	0.0	46.8	−56.8	25.9	62.5	155.5	0.0	0.875	0.0	47.4	−59.9	26.3	65.4	156.2	3.1	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
64	G06B_087_087$_d$	0.0	0.875	0.125	0.875	0.875	0.437	158	0.0	0.875	0.116	47.3	−54.7	18.6	57.8	161.2	0.0	0.875	0.125	47.9	−57.3	19.2	60.4	161.4	2.7	157	0.0	1.0	0.133	50.5	−62.5	21.2	66.1	161.2
65	G13B_087_087$_d$	0.0	0.875	0.25	0.875	0.875	0.437	166	0.0	0.875	0.233	47.9	−51.1	9.9	52.1	168.9	0.0	0.875	0.25	48.6	−53.4	10.5	54.5	168.7	2.4	164	0.0	1.0	0.266	51.3	−58.4	11.3	59.5	168.9
66	G20B_087_087$_d$	0.0	0.875	0.375	0.875	0.875	0.437	175	0.0	0.875	0.364	48.8	−46.2	−0.7	46.2	180.9	0.0	0.875	0.375	49.4	−49.1	1.2	49.2	178.5	3.5	174	0.0	1.0	0.416	52.3	−52.8	−0.8	52.9	180.9
67	G29B_087_087$_d$	0.0	0.875	0.5	0.875	0.875	0.437	185	0.0	0.875	0.51	50.0	−39.1	−13.1	41.2	198.5	0.0	0.875	0.5	50.3	−42.8	−10.1	44.0	193.2	4.8	185	0.0	1.0	0.583	53.6	−44.7	−15.0	47.1	198.5
68	G36B_087_087$_d$	0.0	0.875	0.625	0.875	0.875	0.437	194	0.0	0.875	0.641	51.0	−32.3	−23.0	39.7	215.4	0.0	0.875	0.625	51.3	−36.6	−19.6	41.6	208.2	5.4	195	0.0	1.0	0.733	54.9	−37.0	−26.3	45.4	215.4
69	G43B_087_087$_d$	0.0	0.875	0.75	0.875	0.875	0.437	202	0.0	0.875	0.758	51.8	−27.2	−29.8	40.3	227.5	0.0	0.875	0.75	52.2	−31.2	−27.5	41.6	221.3	4.6	202	0.0	1.0	0.866	55.8	−31.1	−34.0	46.1	227.5
70	G50B_087_087$_d$	0.0	0.875	0.875	0.875	0.875	0.437	210	0.0	0.875	0.875	52.7	−22.3	−36.3	42.6	238.4	0.0	0.875	0.875	53.0	−26.2	−34.4	43.3	232.6	4.4	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
71	G55B_100_100$_d$	0.0	0.875	1.0	1.0	1.0	0.5	217	0.0	0.883	1.0	54.3	−21.4	−41.4	46.6	242.6	0.0	0.875	1.0	54.1	−21.1	−41.3	46.4	242.9	0.3	216	0.0	0.883	1.0	54.3	−21.4	−41.4	46.6	242.6
72	G00B_100_100$_d$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5	0.0	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
73	G05B_100_100$_d$	0.0	1.0	0.125	1.0	1.0	0.5	157	0.0	1.0	0.116	50.5	−62.9	22.4	66.8	160.4	0.0	1.0	0.125	50.5	−62.8	21.9	66.5	160.7	0.5	156	0.0	1.0	0.116	50.5	−62.9	22.4	66.8	160.4
74	G11B_100_100$_d$	0.0	1.0	0.25	1.0	1.0	0.5	164	0.0	1.0	0.233	51.1	−59.5	13.9	61.1	166.8	0.0	1.0	0.25	51.2	−58.9	12.7	60.3	167.7	1.2	162	0.0	1.0	0.233	51.1	−59.5	13.9	61.1	166.8
75	G18B_100_100$_d$	0.0	1.0	0.375	1.0	1.0	0.5	172	0.0	1.0	0.366	51.9	−54.9	3.7	55.0	176.1	0.0	1.0	0.375	52.0	−54.5	3.1	54.6	176.7	0.6	171	0.0	1.0	0.366	51.9	−54.9	3.7	55.0	176.1
76	G25B_100_100$_d$	0.0	1.0	0.5	1.0	1.0	0.5	180	0.0	1.0	0.5	52.9	−48.6	−8.0	49.3	189.3	0.0	1.0	0.5	52.9	−48.6	−8.0	49.3	189.3	0.0	180	0.0	1.0	0.5	52.9	−48.6	−8.0	49.3	189.3
77	G31B_100_100$_d$	0.0	1.0	0.625	1.0	1.0	0.5	188	0.0	1.0	0.633	54.1	−42.0	−18.8	46.0	204.1	0.0	1.0	0.625	54.0	−42.3	−18.1	46.1	203.2	0.7	188	0.0	1.0	0.633	54.1	−42.0	−18.8	46.0	204.1
78	G38B_100_100$_d$	0.0	1.0	0.75	1.0	1.0	0.5	196	0.0	1.0	0.766	55.1	−35.4	−28.4	45.4	218.7	0.0	1.0	0.75	55.0	−36.0	−27.4	45.3	217.2	1.1	197	0.0	1.0	0.766	55.1	−35.4	−28.4	45.4	218.7
79	G44B_100_100$_d$	0.0	1.0	0.875	1.0	1.0	0.5	203	0.0	1.0	0.883	55.9	−30.4	−35.0	46.3	229.0	0.0	1.0	0.875	55.8	−30.7	−34.5	46.2	228.3	0.5	203	0.0	1.0	0.883	55.9	−30.4	−35.0	46.3	229.0
80	G50B_100_100$_d$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4	0.0	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4

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

1−0031931−F0

TUB-test chart QE37; hue code: H*$_d$=Y00G$_d$
colors and differences, Δ*E**'

input: *rgb/cmyk* −> *rgb*$_d$
output: transfer to *cmy0*$_d$

see similar files: http://130.149.60.45/~farbmetrik/QE37/QE37.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

1−0031931−F0

http://130.149.60.45/~farbmetrik/QE37/QE37L0NA.TXT /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 21/33

TUB registration: 20130201-QE37/QE37L0NA.TXT /.PS
TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0 (CMY0)

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**$_{Md}$				
81	R00Y_012_012$_d$	0.125	0.0	0.0	0.125	0.125	0.062	390	0.125	0.0	0.0	27.0	8.8	5.6	10.4	32.3	0.125	0.0	0.0	26.6	14.6	4.2	15.2	16.1	5.9	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
82	B50R_012_012$_d$	0.125	0.0	0.125	0.125	0.125	0.062	330	0.125	0.0	0.125	27.0	9.9	0.0	9.9	359.8	0.125	0.0	0.125	26.7	15.8	0.3	15.8	1.1	5.9	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
83	B25R_025_025$_d$	0.125	0.0	0.25	0.25	0.25	0.125	300	0.125	0.0	0.25	27.1	14.6	−5.1	15.5	340.5	0.125	0.0	0.25	26.9	17.8	−4.5	18.4	345.8	3.2	300	0.5	0.0	1.0	35.6	58.6	−20.7	62.1	340.5
84	B15R_037_037$_d$	0.125	0.0	0.375	0.375	0.375	0.187	289	0.118	0.0	0.375	26.8	17.7	−11.0	20.9	328.1	0.125	0.0	0.375	26.6	19.3	−9.3	21.5	334.2	2.3	288	0.316	0.0	1.0	30.9	47.3	−29.4	55.7	328.1
85	B11R_050_050$_d$	0.125	0.0	0.5	0.5	0.5	0.25	284	0.116	0.0	0.5	26.5	20.6	−16.5	26.4	321.1	0.125	0.0	0.5	27.0	21.7	−15.4	26.6	324.6	1.7	282	0.233	0.0	1.0	28.7	41.2	−33.1	52.9	321.1
86	B09R_062_062$_d$	0.125	0.0	0.625	0.625	0.625	0.312	281	0.114	0.0	0.625	26.8	24.2	−21.7	32.5	318.2	0.125	0.0	0.625	27.1	25.2	−21.3	33.1	319.7	1.0	279	0.183	0.0	1.0	28.3	38.8	−34.7	52.1	318.2
87	B07R_075_075$_d$	0.125	0.0	0.75	0.75	0.75	0.375	279	0.112	0.0	0.75	27.1	27.9	−26.8	38.7	316.2	0.125	0.0	0.75	27.4	29.1	−26.9	39.7	317.2	1.2	278	0.15	0.0	1.0	28.1	37.2	−35.7	51.6	316.2
88	B06R_087_087$_d$	0.125	0.0	0.875	0.875	0.875	0.437	278	0.116	0.0	0.875	27.5	31.9	−31.6	44.9	315.2	0.125	0.0	0.875	27.4	33.0	−32.0	46.0	315.8	1.1	277	0.133	0.0	1.0	27.9	36.4	−36.2	51.3	315.2
89	B05R_100_100$_d$	0.125	0.0	1.0	1.0	1.0	0.5	277	0.116	0.0	1.0	27.7	35.6	−36.7	51.1	314.1	0.125	0.0	1.0	27.9	36.0	−36.4	51.2	314.7	0.5	276	0.116	0.0	1.0	27.7	35.6	−36.7	51.1	314.1
90	Y00G_012_012$_d$	0.125	0.125	0.0	0.125	0.125	0.062	90	0.125	0.125	0.0	32.3	−1.2	11.9	12.0	96.1	0.125	0.125	0.0	29.6	5.9	7.7	9.7	52.8	8.6	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
91	NW_012$_d$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	33.2	0.0	0.0	0.0	0.0	0.125	0.125	0.125	29.8	7.2	3.6	8.1	26.3	8.7	360	1.0	1.0	1.0	95.6	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	33.3	3.6	−5.0	6.2	306.2	0.125	0.125	0.25	30.0	8.9	−1.7	9.1	349.1	7.0	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
93	B00R_037_025$_d$	0.125	0.125	0.375	0.375	0.25	0.25	270	0.124	0.124	0.375	33.4	7.3	−10.1	12.5	306.2	0.125	0.125	0.375	30.4	11.8	−7.5	14.0	327.5	5.9	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
94	B00R_050_037$_d$	0.125	0.125	0.5	0.5	0.375	0.312	270	0.124	0.124	0.5	33.5	11.0	−15.1	18.7	306.2	0.125	0.125	0.5	30.5	14.5	−14.1	20.3	315.8	4.7	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
95	B00R_062_050$_d$	0.125	0.125	0.625	0.625	0.5	0.375	270	0.125	0.125	0.625	33.6	14.7	−20.2	25.0	306.2	0.125	0.125	0.625	30.9	17.9	−20.2	27.0	311.4	4.1	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
96	B00R_075_062$_d$	0.125	0.125	0.75	0.75	0.625	0.437	270	0.125	0.125	0.75	33.7	18.4	−25.2	31.3	306.2	0.125	0.125	0.75	31.5	21.1	−26.2	33.7	308.7	3.5	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
97	B00R_087_075$_d$	0.125	0.125	0.875	0.875	0.75	0.5	270	0.125	0.125	0.875	33.8	22.1	−30.3	37.5	306.2	0.125	0.125	0.875	31.5	25.0	−31.5	40.2	308.4	3.8	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
98	B00R_100_087$_d$	0.125	0.125	1.0	1.0	0.875	0.562	270	0.125	0.125	1.0	33.9	25.8	−35.3	43.8	306.2	0.125	0.125	1.0	32.0	28.2	−36.3	46.0	307.8	3.1	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
99	Y50G_025_025$_d$	0.125	0.25	0.0	0.25	0.25	0.125	120	0.125	0.25	0.0	35.9	−7.4	16.6	18.2	114.0	0.125	0.25	0.0	33.7	−4.5	12.9	13.6	109.2	5.2	119	0.5	1.0	0.0	70.6	−29.7	66.5	72.8	114.0
100	G00B_025_012$_d$	0.125	0.25	0.125	0.25	0.125	0.187	150	0.124	0.25	0.124	36.4	−8.1	3.7	8.9	155.5	0.125	0.25	0.125	33.9	−3.6	8.3	9.1	113.6	6.9	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
101	G50B_025_012$_d$	0.125	0.25	0.25	0.25	0.125	0.187	210	0.124	0.25	0.25	37.3	−3.1	−5.1	6.0	238.4	0.125	0.25	0.25	34.4	−1.1	1.6	2.0	124.6	7.7	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
102	G75B_037_025$_d$	0.125	0.25	0.375	0.375	0.25	0.25	240	0.124	0.25	0.375	37.6	−0.3	−10.1	10.1	268.2	0.125	0.25	0.375	34.7	1.3	−4.5	4.7	286.1	6.5	240	0.0	0.5	1.0	41.7	−1.2	−40.6	40.6	268.2
103	G84B_050_037$_d$	0.125	0.25	0.5	0.5	0.375	0.312	251	0.124	0.243	0.5	37.3	3.7	−15.1	15.6	283.7	0.125	0.25	0.5	35.0	4.5	−11.8	12.7	291.0	4.1	251	0.0	0.316	1.0	35.2	9.9	−40.4	41.6	283.7
104	G88B_062_050$_d$	0.125	0.25	0.625	0.625	0.5	0.375	256	0.125	0.241	0.625	37.2	7.6	−20.1	21.5	290.8	0.125	0.25	0.625	35.2	8.5	−18.0	20.0	295.3	2.9	257	0.0	0.233	1.0	32.2	15.3	−40.3	43.1	290.8
105	G90B_075_062$_d$	0.125	0.25	0.75	0.75	0.625	0.437	259	0.125	0.239	0.75	37.1	11.6	−25.2	27.8	294.6	0.125	0.25	0.75	35.7	12.5	−24.8	27.8	296.7	1.7	260	0.0	0.183	1.0	30.6	18.5	−40.4	44.5	294.6
106	G92B_087_075$_d$	0.125	0.25	0.875	0.875	0.75	0.5	261	0.125	0.237	0.875	37.1	15.5	−30.3	34.0	297.1	0.125	0.25	0.875	36.1	16.4	−30.6	34.8	298.2	1.3	262	0.0	0.15	1.0	29.5	20.7	−40.4	45.4	297.1
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	19.1	−35.2	40.1	298.4	0.125	0.25	1.0	36.4	19.7	−35.8	40.8	298.8	1.1	262	0.0	0.133	1.0	28.9	21.8	−40.3	45.8	298.4
108	Y68G_037_037$_d$	0.125	0.375	0.0	0.375	0.375	0.187	131	0.118	0.375	0.0	38.6	−15.5	19.9	25.3	127.8	0.125	0.375	0.0	37.4	−15.0	17.0	22.7	131.3	3.1	131	0.316	1.0	0.0	62.3	−41.4	53.2	67.5	127.8
109	G00B_037_025$_d$	0.125	0.375	0.125	0.375	0.25	0.25	150	0.124	0.375	0.124	39.7	−16.2	7.4	17.8	155.5	0.125	0.375	0.125	37.6	−12.8	11.7	17.3	137.3	5.9	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
110	G25B_037_025$_d$	0.125	0.375	0.25	0.375	0.25	0.25	180	0.124	0.375	0.25	40.4	−12.1	−2.0	12.3	189.3	0.125	0.375	0.25	38.4	−10.8	5.2	12.0	154.3	7.6	180	0.0	1.0	0.5	52.9	−48.6	−8.0	49.3	189.3
111	G50B_037_025$_d$	0.125	0.375	0.375	0.375	0.25	0.25	210	0.124	0.375	0.375	41.3	−6.3	−10.3	12.1	238.4	0.125	0.375	0.375	38.8	−7.8	−2.3	8.2	196.2	8.6	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
112	G65B_050_037$_d$	0.125	0.375	0.5	0.5	0.375	0.312	229	0.124	0.381	0.5	42.2	−4.6	−15.4	16.0	253.3	0.125	0.375	0.5	39.7	−5.2	−9.5	10.8	241.1	6.4	228	0.0	0.683	1.0	48.3	−12.2	−41.1	42.9	253.3
113	G75B_062_050$_d$	0.125	0.375	0.625	0.625	0.5	0.375	240	0.125	0.375	0.625	41.9	−0.6	−20.3	20.3	268.2	0.125	0.375	0.625	39.7	−0.9	−16.6	16.6	266.8	4.2	240	0.0	0.5	1.0	41.7	−1.2	−40.6	40.6	268.2
114	G80B_075_062$_d$	0.125	0.375	0.75	0.75	0.625	0.437	247	0.125	0.364	0.75	41.5	3.5	−25.1	25.4	277.9	0.125	0.375	0.75	39.8	4.0	−24.0	24.4	279.5	2.0	247	0.0	0.383	1.0	37.6	5.6	−40.3	40.7	277.9
115	G84B_087_075$_d$	0.125	0.375	0.875	0.875	0.75	0.5	251	0.125	0.362	0.875	41.4	7.4	−30.3	31.2	283.7	0.125	0.375	0.875	40.3	8.1	−30.2	31.3	285.1	1.3	251	0.0	0.316	1.0	35.2	9.9	−40.4	41.6	283.7
116	G86B_100_087$_d$	0.125	0.375	1.0	1.0	0.875	0.562	254	0.125	0.358	1.0	41.2	11.5	−35.2	37.1	288.1	0.125	0.375	1.0	40.4	12.6	−35.8	37.9	289.4	1.4	255	0.0	0.266	1.0	33.4	13.2	−40.3	42.4	288.1
117	Y76G_050_050$_d$	0.125	0.5	0.0	0.5	0.5	0.25	136	0.116	0.5	0.0	41.1	−24.1	22.9	33.2	136.5	0.125	0.5	0.0	41.0	−23.7	21.5	32.0	137.7	1.4	137	0.233	1.0	0.0	57.9	−48.3	45.8	66.5	136.5
118	G00B_050_037$_d$	0.125	0.5	0.125	0.5	0.375	0.312	150	0.124	0.5	0.124	42.9	−24.3	11.1	26.7	155.5	0.125	0.5	0.125	41.5	−21.6	15.4	26.6	144.4	5.3	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
119	G15B_050_037$_d$	0.125	0.5	0.25	0.5	0.375	0.312	169	0.124	0.5	0.243	43.5	−21.3	2.7	21.4	172.5	0.125	0.5	0.25	42.1	−19.2	8.0	20.8	157.3	5.8	168	0.0	1.0	0.316	51.6	−56.8	7.4	57.3	172.5
120	G34B_050_037$_d$	0.125	0.5	0.375	0.5	0.375	0.312	191	0.124	0.5	0.381	44.5	−14.8	−8.5	17.1	209.7	0.125	0.5	0.375	42.7	−15.8	−0.3	15.8	181.2	8.4	191	0.0	1.0	0.683	54.5	−39.7	−22.7	45.7	209.7
121	G50B_050_037$_d$	0.125	0.5	0.5	0.5	0.375	0.312	210	0.124	0.5	0.5	45.4	−9.5	−15.5	18.2	238.4	0.125	0.5	0.5	43.0	−12.4	−8.0	14.7	212.9	8.3	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
122	G61B_062_050$_d$	0.125	0.5	0.625	0.625	0.5	0.375	224	0.125	0.508	0.625	46.5	−8.1	−20.6	22.1	248.4	0.125	0.5	0.625	44.2	−9.4	−15.4	18.1	238.4	5.7	222	0.0	0.766	1.0	50.9	−16.2	−41.2	44.2	248.4
123	G69B_075_062$_d$	0.125	0.5	0.75	0.75	0.625	0.437	233	0.125	0.51	0.75	46.9	−5.5	−25.5	26.1	257.7	0.125	0.5	0.75	45.0	−5.2	−22.9	23.4	257.0	3.3	232	0.0	0.616	1.0	46.2	−8.9	−40.9	41.8	257.7
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	−0.9	−30.4	30.5	268.2	0.125	0.5	0.875	45.2	−0.4	−29.7	29.7	269.1	1.4	240	0.0	0.5	1.0	41.7	−1.2	−40.6	40.6	268.2
125	G79B_100_087$_d$	0.125	0.5	1.0	1.0	0.875	0.562	245	0.125	0.489	1.0	45.9	3.2	−35.4	35.6	275.1	0.125	0.5	1.0	45.4	4.0	−35.8	36.1	276.5	1.0	245	0.0	0.416	1.0	38.8	3.6	−40.5	40.6	275.1
126	Y81G_062_062$_d$	0.125	0.625	0.0	0.625	0.625	0.312	139	0.114	0.625	0.0	44.4	−31.9	26.6	41.5	140.1	0.125	0.625	0.0	45.0	−33.3	26.4	42.5	141.5	1.5	140	0.183	1.0	0.0	56.4	−51.0	42.5	66.4	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	46.1	−32.5	14.8	35.7	155.5	0.125	0.625	0.125	45.9	−30.8	20.2	36.9	146.8	5.6	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
128	G11B_062_050$_d$	0.125	0.625	0.25	0.625	0.5	0.375	164	0.125	0.625	0.241	46.6	−29.7	6.9	30.5	166.8	0.125	0.625	0.25	46.5	−28.6	12.2	31.1	156.7	5.4	162	0.0	1.0	0.233	51.1	−59.5	13.9	61.1	166.8
129	G25B_062_050$_d$	0.125	0.625	0.375	0.625	0.5	0.375	180	0.125	0.625	0.375	47.5	−24.3	−4.0	24.6	189.3	0.125	0.625	0.375	47.3	−25.2	3.3	25.4	172.4	7.4	180	0.0	1.0	0.5	52.9	−48.6	−8.0	49.3	189.3
130	G38B_062_050$_d$	0.125	0.625	0.5	0.625	0.5	0.375	196	0.125	0.625	0.508	48.6	−17.7	−14.2	22.7	218.7	0.125	0.625	0.5	47.9	−21.0	−6.0	21.8	196.1	8.8	197	0.0	1.0	0.766	55.1	−35.4	−28.4	45.4	218.7
131	G50B_062_050$_d$	0.125	0.625	0.625	0.625	0.5	0.375	210	0.125	0.625	0.625	49.4	−12.7	−20.7	24.3	238.4	0.125	0.625	0.625	48.5	−17.3	−14.0	22.3	219.1	8.1	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
132	G59B_075_062$_d$	0.125	0.625	0.75	0.75	0.625	0.437	221	0.125	0.635	0.75	50.8	−11.5	−25.8	28.3	245.8	0.125	0.625	0.75	49.8	−13.8	−21.9	25.8	237.7	4.6	219	0.0	0.816	1.0	52.4	−18.5	−41.3	45.3	245.8
133	G65B_087_075$_d$	0.125	0.625	0.875	0.875	0.75	0.5	229	0.125	0.637	0.875	51.2	−9.2	−30.8	32.1	253.3	0.125	0.625	0.875	50.7	−9.3	−29.0	30.4	252.0	1.9	228	0.0	0.683	1.0	48.3	−12.2	−41.1	42.9	253.3
134	G70B_100_087$_d$	0.125	0.625	1.0	1.0	0.875	0.562	235	0.125	0.635	1.0	51.2	−5.8	−35.8	36.3	260.7	0.125	0.625	1.0	50.9	−5.1	−35.8	36.2	261.8	0.8	234	0.0	0.583	1.0	44.9	−6.6	−41.0	41.5	260.7
135	Y85G_075_075$_d$	0.125	0.75	0.0	0.75	0.75	0.375	141	0.112	0.75	0.0	47.6	−39.5	30.2	49.8	142.6	0.125	0.75	0.0	48.5	−40.4	30.4	50.6	143.0	1.1	142	0.15	1.0	0.0	55.4	−52.7	40.3	66.4	142.6
136	G00B_075_062$_d$	0.125	0.75	0.125	0.75	0.625	0.437	150	0.125	0.75	0.125	49.3	−40.6	18.5	44.6	155.5	0.125	0.75	0.125	49.1	−37.9	23.5	44.7	148.1	5.7	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
137	G09B_075_062$_d$	0.125	0.75	0.25	0.75	0.625	0.437	161	0.125	0.75	0.239	49.8	−38.2	10.9	39.7	164.0	0.125	0.75	0.25	49.9	−35.0	15.2	38.2	156.5	5.3	159	0.0	1.0	0.183	50.8	−61.1	17.4	63.6	164.0
138	G19B_075_062$_d$	0.125	0.75	0.375	0.75	0.625	0.437	173	0.125	0.75	0.364	50.6	−33.9	1.4	33.9	177.5	0.125	0.75	0.375	50.5	−32.1	6.3	32.7	168.7	5.2	172	0.0	1.0	0.383	52.0	−54.2	2.3	54.3	177.5
139	G30B_075_062$_d$	0.125	0.75	0.5	0.75	0.625	0.437	187	0.125	0.75	0.51	51.7	−26.7	−10.9	28.9	202.2	0.125	0.75	0.5	50.9	−27.7	−4.9	28.1	190.1	6.1	187	0.0	1.0	0.616	53.9	−42.8	−17.5	46.3	202.2
140	G40B_075_062$_d$	0.125	0.75	0.625	0.75	0.625	0.437	199	0.125	0.75	0.635	52.7	−20.8	−19.5	28.6	223.1	0.125	0.75	0.625	52.0	−23.5	−13.7	27.2	210.2	6.4	200	0.0	1.0	0.816	55.4	−33.3	−31.3	45.7	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	53.5	−15.9	−25.9	30.4	238.4	0.125	0.75	0.75	53.0	−19.3	−21.3	28.8	227.8	5.7	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
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	−15.0	−31.0	34.4	244.1	0.125	0.75	0.875	54.4	−15.2	−28.9	32.6	242.2	2.2	217	0.0	0.85	1.0	53.4	−20.0	−41.3	45.9	244.1
143	G63B_100_087$_d$	0.125	0.75	1.0	1.0	0.875	0.562	226	0.125	0.766	1.0	55.6	−12.8	−36.0	38.2	250.3	0.125	0.75	1.0	55.0	−11.1	−35.8	37.5	252.7	1.8	224	0.0	0.733	1.0	49.9	−14.7	−41.1	43.6	250.3
144	Y86G_087_087$_d$	0.125	0.875	0.0	0.875	0.875	0.437	142	0.116	0.875	0.0	51.1	−46.8	34.2	58.0	143.8	0.125	0.875	0.0	51.9	−48.3	35.1	59.8	143.9	1.9	142	0.133	1.0	0.0	54.9	−53.5	39.1	66.3	143.8
145	G00B_087_075$_d$	0.125	0.875	0.125	0.875	0.75	0.5	150	0.125	0.875	0.125	52.5	−48.7	22.2	53.5	155.5	0.125	0.875	0.125	52.7	−45.7	27.1	53.2	149.2	5.8	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
146	G07B_087_075$_d$	0.125	0.875	0.25	0.875	0.75	0.5	159	0.125	0.875	0.237	53.0	−46.6	14.9	48.9	162.1	0.125	0.875	0.25	53.6	−42.7	18.2	46.5	156.8	5.0	157	0.0	1.0	0.15	50.6	−62.1	19.9	65.2	162.1
147	G15B_087_075$_d$	0.125	0.875	0.375	0.875	0.75	0.5	169	0.125	0.875	0.362	53.7	−42.6	5.5	42.9	172.5	0.125	0.875	0.375	54.3	−39.7	8.6	40.6	167.7	4.2	168	0.0	1.0	0.316	51.6	−56.8	7.4	57.3	172.5
148	G25B_087_075$_d$	0.125	0.875	0.5	0.875	0.75	0.5	180	0.125	0.875	0.5	54.7	−36.5	−6.0	37.0	189.3	0.125	0.875	0.5	55.1	−35.7	−2.4	35.8	183.9	3.6	180	0.0	1.0	0.5	52.9	−48.6	−8.0	49.3	189.3
149	G34B_087_075$_d$	0.125	0.875	0.625	0.875	0.75	0.5	191	0.125	0.875	0.637	55.8	−29.7	−17.0	34.3	209.7	0.125	0.875	0.625	56.2	−30.3	−13.0	33.0	203.2	4.0	191	0.0	1.0	0.683	54.5	−39.7	−22.7	45.7	209.7
150	G42B_087_075$_d$	0.125	0.875	0.75	0.875	0.75	0.5	201	0.125	0.875	0.762	56.7	−23.9	−24.8	34.5	226.1	0.125	0.875	0.75	57.2	−25.6	−21.8	33.6	220.3	3.5	202	0.0	1.0	0.85	55.7	−31.8	−33.1	46.0	226.1
151	G50B_087_075$_d$	0.125	0.875	0.875	0.875	0.75	0.5	210	0.125	0.875	0.875	57.6	−19.1	−31.1	36.5	238.4	0.125	0.875	0.875	58.2	−21.4	−28.4	35.6	232.9	3.6	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
152	G56B_100_087$_d$	0.125	0.875	1.0	1.0	0.875	0.562	218	0.125	0.883	1.0	59.1	−18.1	−36.2	40.5	243.3	0.125	0.875	1.0	59.1	−17.1	−36.0	39.9	244.5	1.0	217	0.0	0.866	1.0	53.9	−20.7	−41.3	46.3	243.3
153	Y88G_100_100$_d$	0.125	1.0	0.0	1.0	1.0	0.5	143	0.116	1.0	0.0	54.4	−54.7	38.0	66.6	145.1	0.125	1.0	0.0	54.7	−53.9	38.5	66.3	144.4	0.9	143	0.116	1.0	0.0	54.4	−54.7	38.0	66.6	145.1
154	G00B_100_087$_d$	0.125	1.0	0.125	1.0	0.875	0.562	150	0.125	1.0	0.125	55.7	−56.8	25.9	62.5	155.5	0.125	1.0	0.125	55.6	−51.3	30.2	59.5	149.5	7.0	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
155	G06B_100_087$_d$	0.125	1.0	0.25	1.0	0.875	0.562	158	0.125	1.0	0.241	56.2	−54.7	18.6	57.8	161.2	0.125	1.0	0.25	56.4	−48.3	20.7	52.5	156.7	6.8	157	0.0	1.0	0.133	50.5	−62.5	21.2	66.1	161.2
156	G13B_100_087$_d$	0.125	1.0	0.375	1.0	0.875	0.562	166	0.125	1.0	0.358	56.8	−51.1	9.9	52.1	168.9	0.125	1.0	0.375	57.0	−45.6	11.7	47.1	165.6	5.7	164	0.0	1.0	0.266	51.3	−58.4	11.3	59.5	168.9
157	G20B_100_087$_d$	0.125	1.0	0.5	1.0	0.875	0.562	175	0.125	1.0	0.489	57.7	−46.2	−0.7	46.2	180.9	0.125	1.0	0.5	57.5	−42.0	0.4	42.0	179.3	4.4	174	0.0	1.0	0.416	52.3	−52.8	−0.8	52.9	180.9
158	G29B_100_087$_d$	0.125	1.0	0.625	1.0	0.875	0.562	185	0.125	1.0	0.635	58.9	−39.1	−13.1	41.2	198.5	0.125	1.0	0.625	59.1	−35.9	−11.3	37.6	197.4	3.7	185	0.0	1.0	0.583	53.6	−44.7	−15.0	47.1	198.5
159	G36B_100_087$_d$	0.125	1.0	0.75	1.0	0.875	0.562	194	0.125	1.0	0.766	60.0	−32.3	−23.0	39.7	215.4	0.125	1.0	0.75	60.1	−30.8	−21.2	37.4	214.5	2.3	195	0.0	1.0	0.733	54.9	−37.0	−26.3	45.4	215.4
160	G43B_100_087$_d$	0.125	1.0	0.875	1.0	0.875	0.562	202	0.125	1.0	0.883	60.7	−27.2	−29.8	40.3	227.5	0.125	1.0	0.875	61.2	−26.4	−28.4	38.8	227.0	1.6	202	0.0	1.0	0.866	55.8	−31.1	−34.0	46.1	227.5
161	G50B_100_087$_d$	0.125	1.0	1.0	1.0	0.875	0.562	210	0.125	1.0	1.0	61.6	−22.3	−36.3	42.6	238.4	0.125	1.0	1.0	62.0	−21.8	−35.7	41.8	238.5	0.8	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4

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

1-0032031-F0

QE370−7N, Page 21/33−F

TUB-test chart QE37; hue code: H*$_d$=Y00G$_d$
colors and differences, Δ*E**'

input: *rgb/cmyk* −> *rgb*$_d$
output: transfer to *cmy0*$_d$

see similar files: http://130.149.60.45/~farbmetrik/QE37/QE37.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

http://130.149.60.45/~farbmetrik/QE37/QE37L0NA.TXT /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 22/33

TUB registration: 20130201-QE37/QE37L0NA.TXT /.PS
application for measurement of offset print output, separation cmy0 (CMY0)

TUB material: code=rha4ta

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*$_{Md}$				
162	R00Y_025_025d	0.25	0.0	0.0	0.25	0.25	0.125	390	0.25	0.0	0.0	29.6	17.7	11.2	20.9	32.3	0.25	0.0	0.0	28.1	24.0	7.8	25.2	18.0	7.3	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
163	R00Y_025_025d	0.25	0.0	0.125	0.25	0.25	0.125	360	0.25	0.0	0.125	29.7	18.5	5.2	19.2	15.9	0.25	0.0	0.125	28.1	25.5	4.4	25.9	9.7	7.2	360	1.0	0.0	0.5	45.9	74.2	21.1	77.1	15.9
164	B50R_025_025d	0.25	0.0	0.25	0.25	0.25	0.125	330	0.25	0.0	0.25	29.8	19.8	0.0	19.8	359.8	0.25	0.0	0.25	28.3	27.3	−0.1	27.3	359.7	7.6	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
165	B34R_037_037d	0.25	0.0	0.375	0.375	0.375	0.187	311	0.256	0.0	0.375	30.1	25.5	−4.4	25.9	350.0	0.25	0.0	0.375	28.5	29.3	−4.3	29.6	351.6	4.1	311	0.683	0.0	1.0	39.8	68.1	−11.9	69.1	350.0
166	B25R_050_050d	0.25	0.0	0.5	0.5	0.5	0.25	300	0.25	0.0	0.5	29.9	29.3	−10.3	31.0	340.5	0.25	0.0	0.5	28.5	30.6	−10.4	32.3	341.1	1.9	300	0.5	0.0	1.0	35.6	58.6	−20.7	62.1	340.5
167	B19R_062_062d	0.25	0.0	0.625	0.625	0.625	0.312	293	0.239	0.0	0.625	29.7	32.7	−16.0	36.4	333.8	0.25	0.0	0.625	28.5	32.6	−17.0	36.8	332.3	1.5	292	0.383	0.0	1.0	32.9	52.3	−25.7	58.3	333.8
168	B15R_075_075d	0.25	0.0	0.75	0.75	0.75	0.375	289	0.237	0.0	0.75	29.3	35.5	−22.0	41.8	328.1	0.25	0.0	0.75	28.7	36.0	−23.1	42.8	327.3	1.3	288	0.316	0.0	1.0	30.9	47.3	−29.4	55.7	328.1
169	B13R_087_087d	0.25	0.0	0.875	0.875	0.875	0.437	286	0.233	0.0	0.875	28.7	37.9	−27.8	47.0	323.6	0.25	0.0	0.875	28.6	39.2	−28.1	48.2	324.3	1.3	284	0.266	0.0	1.0	29.4	43.3	−31.8	53.8	323.6
170	B11R_100_100d	0.25	0.0	1.0	1.0	1.0	0.5	284	0.233	0.0	1.0	28.7	41.2	−33.1	52.9	321.1	0.25	0.0	1.0	28.8	41.9	−32.5	53.1	322.1	0.9	282	0.233	0.0	1.0	28.7	41.2	−33.1	52.9	321.1
171	R50Y_025_025d	0.25	0.125	0.0	0.25	0.25	0.125	60	0.25	0.125	0.0	34.5	7.2	17.1	18.6	67.1	0.25	0.125	0.0	31.0	16.0	11.8	19.9	36.4	10.8	59	1.0	0.5	0.0	64.9	28.9	68.6	74.5	67.1
172	R00Y_025_012d	0.25	0.125	0.125	0.25	0.125	0.187	390	0.25	0.124	0.124	35.9	8.8	5.6	10.4	32.3	0.25	0.125	0.125	31.0	16.8	8.0	18.6	25.3	9.7	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
173	B50R_025_012d	0.25	0.125	0.25	0.25	0.125	0.187	330	0.25	0.124	0.25	36.0	9.9	0.0	9.9	359.8	0.25	0.125	0.25	31.5	18.6	3.2	18.9	9.7	10.3	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
174	B25R_037_025d	0.25	0.125	0.375	0.375	0.25	0.25	300	0.25	0.124	0.375	36.0	14.6	−5.1	15.5	340.5	0.25	0.125	0.375	31.7	20.5	−2.2	20.6	353.7	7.9	300	0.5	0.0	1.0	35.6	58.6	−20.7	62.1	340.5
175	B15R_050_037d	0.25	0.125	0.5	0.5	0.375	0.312	289	0.243	0.124	0.5	35.7	17.7	−11.0	20.9	328.1	0.25	0.125	0.5	31.9	22.3	−9.9	24.4	335.9	6.0	288	0.316	0.0	1.0	30.9	47.3	−29.4	55.7	328.1
176	B11R_062_050d	0.25	0.125	0.625	0.625	0.5	0.375	284	0.241	0.125	0.625	35.4	20.6	−16.5	26.4	321.1	0.25	0.125	0.625	32.1	24.7	−16.1	29.5	326.9	5.3	282	0.233	0.0	1.0	28.7	41.2	−33.1	52.9	321.1
177	B09R_075_062d	0.25	0.125	0.75	0.75	0.625	0.437	281	0.239	0.125	0.75	35.7	24.2	−21.7	32.5	318.2	0.25	0.125	0.75	32.4	28.2	−22.2	35.9	321.8	5.1	279	0.183	0.0	1.0	28.3	38.8	−34.7	52.1	318.2
178	B07R_087_075d	0.25	0.125	0.875	0.875	0.75	0.5	279	0.237	0.125	0.875	36.0	27.9	−26.8	38.7	316.2	0.25	0.125	0.875	32.8	30.9	−27.8	41.6	318.0	4.5	278	0.15	0.0	1.0	28.1	37.2	−35.7	51.6	316.2
179	B06R_100_087d	0.25	0.125	1.0	1.0	0.875	0.562	278	0.241	0.125	1.0	36.4	31.9	−31.6	44.9	315.2	0.25	0.125	1.0	33.1	33.9	−32.5	47.0	316.2	3.9	277	0.133	0.0	1.0	27.9	36.4	−36.2	51.3	315.2
180	Y00G_025_025d	0.25	0.25	0.0	0.25	0.25	0.125	90	0.25	0.25	0.0	40.2	−2.5	23.8	24.0	96.1	0.25	0.25	0.0	35.1	5.0	17.5	18.2	74.0	11.1	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
181	Y00G_025_012d	0.25	0.25	0.125	0.25	0.125	0.187	90	0.25	0.25	0.124	41.2	−1.2	11.9	12.0	96.1	0.25	0.25	0.125	35.4	5.7	13.1	14.3	66.3	9.1	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
182	NW_025d	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	42.1	0.0	0.0	0.0	0.0	0.25	0.25	0.25	35.7	7.5	7.1	10.4	43.4	12.2	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
183	B00R_037_012d	0.25	0.25	0.375	0.375	0.125	0.312	270	0.249	0.249	0.375	42.2	3.6	−5.0	6.2	306.2	0.25	0.25	0.375	36.3	9.3	0.7	9.4	4.5	10.0	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
184	B00R_050_025d	0.25	0.25	0.5	0.5	0.25	0.375	270	0.249	0.249	0.5	42.3	7.3	−10.1	12.5	306.2	0.25	0.25	0.5	36.4	12.3	−6.8	14.1	330.9	8.3	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
185	B00R_062_037d	0.25	0.25	0.625	0.625	0.375	0.437	270	0.25	0.25	0.625	42.4	11.0	−15.1	18.7	306.2	0.25	0.25	0.625	37.0	15.5	−14.0	20.9	318.0	7.1	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
186	B00R_075_050d	0.25	0.25	0.75	0.75	0.5	0.5	270	0.25	0.25	0.75	42.5	14.7	−20.2	25.0	306.2	0.25	0.25	0.75	37.5	18.9	−20.4	27.9	312.8	6.5	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
187	B00R_087_062d	0.25	0.25	0.875	0.875	0.625	0.562	270	0.25	0.25	0.875	42.6	18.4	−25.2	31.3	306.2	0.25	0.25	0.875	38.0	22.0	−26.5	34.4	309.7	5.9	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
188	B00R_100_075d	0.25	0.25	1.0	1.0	0.75	0.625	270	0.25	0.25	1.0	42.7	22.1	−30.3	37.5	306.2	0.25	0.25	1.0	38.2	25.3	−31.6	40.5	308.7	5.6	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
189	Y31G_037_037d	0.25	0.375	0.0	0.375	0.375	0.187	109	0.256	0.375	0.0	44.4	−7.9	29.8	30.8	104.9	0.25	0.375	0.0	39.4	−4.2	23.2	23.6	100.4	9.0	108	0.683	1.0	0.0	77.8	−21.1	79.4	82.2	104.9
190	Y50G_037_025d	0.25	0.375	0.125	0.375	0.25	0.25	120	0.25	0.375	0.124	44.8	−7.4	16.6	18.2	114.0	0.25	0.375	0.125	39.4	−3.5	17.7	18.1	101.1	6.7	119	0.5	1.0	0.0	70.6	−29.7	66.5	72.8	114.0
191	G00B_037_012d	0.25	0.375	0.25	0.375	0.125	0.312	150	0.249	0.375	0.249	45.4	−8.1	3.7	8.9	155.5	0.25	0.375	0.25	40.0	−1.6	10.9	11.0	98.5	11.0	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
192	G50B_037_012d	0.25	0.375	0.375	0.375	0.125	0.312	210	0.249	0.375	0.375	46.2	−3.1	−5.1	6.0	238.4	0.25	0.375	0.375	40.5	0.2	4.0	4.0	87.0	11.3	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
193	G75B_050_025d	0.25	0.375	0.5	0.5	0.25	0.375	240	0.249	0.375	0.5	46.5	−0.3	−10.1	10.1	268.2	0.25	0.375	0.5	40.8	3.5	−4.5	5.8	307.8	8.8	240	0.0	0.5	1.0	41.7	−1.2	−40.6	40.6	268.2
194	G84B_062_037d	0.25	0.375	0.625	0.625	0.375	0.437	251	0.25	0.368	0.625	46.2	3.7	−15.1	15.6	283.7	0.25	0.375	0.625	40.7	7.2	−11.9	13.9	301.0	7.2	251	0.0	0.316	1.0	35.2	9.9	−40.4	41.6	283.7
195	G88B_075_050d	0.25	0.375	0.75	0.75	0.5	0.5	256	0.25	0.366	0.75	46.1	7.6	−20.1	21.5	290.8	0.25	0.375	0.75	41.7	10.7	−19.4	22.2	299.0	5.4	257	0.0	0.233	1.0	32.2	15.3	−40.3	43.1	290.8
196	G90B_087_062d	0.25	0.375	0.875	0.875	0.625	0.562	259	0.25	0.364	0.875	46.0	11.6	−25.2	27.8	294.6	0.25	0.375	0.875	41.7	14.8	−26.1	30.1	299.6	5.5	260	0.0	0.183	1.0	30.6	18.5	−40.4	44.5	294.6
197	G92B_100_075d	0.25	0.375	1.0	1.0	0.75	0.625	261	0.25	0.362	1.0	46.0	15.5	−30.3	34.0	297.1	0.25	0.375	1.0	42.1	18.3	−31.8	36.7	299.9	5.0	262	0.0	0.15	1.0	29.5	20.7	−40.4	45.4	297.1
198	Y50G_050_050d	0.25	0.5	0.0	0.5	0.5	0.25	120	0.25	0.5	0.0	47.4	−14.8	33.2	36.4	114.0	0.25	0.5	0.0	43.1	−14.1	28.4	31.7	116.4	6.5	119	0.5	1.0	0.0	70.6	−29.7	66.5	72.8	114.0
199	Y68G_050_037d	0.25	0.5	0.125	0.5	0.375	0.312	131	0.243	0.5	0.124	47.5	−15.5	19.9	25.3	127.8	0.25	0.5	0.125	43.2	−13.5	21.7	25.6	121.9	4.9	131	0.316	1.0	0.0	62.3	−41.4	53.2	67.5	127.8
200	G00B_050_025d	0.25	0.5	0.25	0.5	0.25	0.375	150	0.249	0.5	0.249	48.6	−16.2	7.4	17.8	155.5	0.25	0.5	0.25	44.2	−10.9	14.5	18.2	126.7	9.9	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
201	G25B_050_025d	0.25	0.5	0.375	0.5	0.25	0.375	180	0.249	0.5	0.375	49.3	−12.1	−2.0	12.3	189.3	0.25	0.5	0.375	44.9	−8.5	6.8	10.9	141.0	10.5	180	0.0	1.0	0.5	52.9	−48.6	−8.0	49.3	189.3
202	G50B_050_025d	0.25	0.5	0.5	0.5	0.25	0.375	210	0.249	0.5	0.5	50.2	−6.3	−10.3	12.1	238.4	0.25	0.5	0.5	45.1	−5.3	−2.5	5.9	205.3	9.3	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
203	G65B_062_037d	0.25	0.5	0.625	0.625	0.375	0.437	229	0.25	0.506	0.625	51.1	−4.6	−15.4	16.0	253.3	0.25	0.5	0.625	46.3	−2.7	−10.5	10.8	255.5	7.1	228	0.0	0.683	1.0	48.3	−12.2	−41.1	42.9	253.3
204	G75B_075_050d	0.25	0.5	0.75	0.75	0.5	0.5	240	0.25	0.5	0.75	50.8	−0.6	−20.3	20.3	268.2	0.25	0.5	0.75	46.6	1.2	−18.6	18.6	273.6	4.8	240	0.0	0.5	1.0	41.7	−1.2	−40.6	40.6	268.2
205	G80B_087_062d	0.25	0.5	0.875	0.875	0.625	0.562	247	0.25	0.489	0.875	50.4	3.5	−25.1	25.4	277.9	0.25	0.5	0.875	46.6	6.3	−25.4	26.2	283.9	4.7	247	0.0	0.383	1.0	37.6	5.6	−40.3	40.7	277.9
206	G84B_100_075d	0.25	0.5	1.0	1.0	0.75	0.625	251	0.25	0.487	1.0	50.3	7.4	−30.3	31.2	283.7	0.25	0.5	1.0	47.4	9.7	−31.7	33.1	287.1	3.9	251	0.0	0.316	1.0	35.2	9.9	−40.4	41.6	283.7
207	Y61G_062_062d	0.25	0.625	0.0	0.625	0.625	0.312	127	0.239	0.625	0.0	50.4	−22.0	36.7	42.8	120.9	0.25	0.625	0.0	47.5	−24.9	33.3	41.6	126.7	5.2	127	0.383	1.0	0.0	66.0	−35.2	58.8	68.6	120.9
208	Y76G_062_050d	0.25	0.625	0.125	0.625	0.5	0.375	136	0.241	0.625	0.125	50.0	−24.1	22.9	33.2	136.5	0.25	0.625	0.125	47.9	−23.7	26.3	35.4	132.0	4.0	137	0.233	1.0	0.0	57.9	−48.3	45.8	66.5	136.5
209	G00B_062_037d	0.25	0.625	0.25	0.625	0.375	0.437	150	0.25	0.625	0.25	51.8	−24.3	11.1	26.7	155.5	0.25	0.625	0.25	48.7	−21.1	18.4	28.0	138.9	8.5	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
210	G15B_062_037d	0.25	0.625	0.375	0.625	0.375	0.437	169	0.25	0.625	0.368	52.4	−21.3	2.7	21.4	172.5	0.25	0.625	0.375	49.6	−18.5	9.9	21.0	151.7	8.1	168	0.0	1.0	0.316	51.6	−56.8	7.4	57.3	172.5
211	G34B_062_037d	0.25	0.625	0.5	0.625	0.375	0.437	191	0.25	0.625	0.506	53.4	−14.8	−8.5	17.1	209.7	0.25	0.625	0.5	50.2	−15.3	−0.6	15.3	182.4	8.5	191	0.0	1.0	0.683	54.5	−39.7	−22.7	45.7	209.7
212	G50B_062_037d	0.25	0.625	0.625	0.625	0.375	0.437	210	0.25	0.625	0.625	54.3	−9.5	−15.5	18.2	238.4	0.25	0.625	0.625	51.0	−11.4	−8.9	14.5	218.0	7.6	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
213	G61B_075_050d	0.25	0.625	0.75	0.75	0.5	0.5	224	0.25	0.633	0.75	55.4	−8.1	−20.6	22.1	248.4	0.25	0.625	0.75	52.3	−8.5	−17.4	19.4	243.9	4.4	222	0.0	0.766	1.0	50.9	−16.2	−41.2	44.2	248.4
214	G69B_087_062d	0.25	0.625	0.875	0.875	0.625	0.562	233	0.25	0.635	0.875	55.8	−5.5	−25.5	26.1	257.7	0.25	0.625	0.875	52.8	−4.3	−24.8	25.2	260.0	3.2	232	0.0	0.616	1.0	46.2	−8.9	−40.9	41.8	257.7
215	G75B_100_075d	0.25	0.625	1.0	1.0	0.75	0.625	240	0.25	0.625	1.0	55.1	−0.9	−30.4	30.5	268.2	0.25	0.625	1.0	53.2	0.1	−31.7	31.7	270.2	2.5	240	0.0	0.5	1.0	41.7	−1.2	−40.6	40.6	268.2
216	Y68G_075_075d	0.25	0.75	0.0	0.75	0.75	0.375	131	0.237	0.75	0.0	52.8	−31.1	39.9	50.6	127.8	0.25	0.75	0.0	51.1	−32.9	37.5	49.9	131.2	3.4	131	0.316	1.0	0.0	62.3	−41.4	53.2	67.5	127.8
217	Y81G_075_062d	0.25	0.75	0.125	0.75	0.625	0.437	139	0.239	0.75	0.125	53.3	−31.9	26.6	41.5	140.1	0.25	0.75	0.125	51.9	−31.2	30.6	43.7	135.5	4.3	140	0.183	1.0	0.0	56.4	−51.0	42.5	66.4	140.1
218	G00B_075_050d	0.25	0.75	0.25	0.75	0.5	0.5	150	0.25	0.75	0.25	55.0	−32.5	14.8	35.7	155.5	0.25	0.75	0.25	53.0	−27.9	21.7	35.3	142.0	8.5	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
219	G11B_075_050d	0.25	0.75	0.375	0.75	0.5	0.5	164	0.25	0.75	0.366	55.5	−29.7	6.9	30.5	166.8	0.25	0.75	0.375	53.6	−25.5	12.8	28.5	153.1	7.5	162	0.0	1.0	0.233	51.1	−59.5	13.9	61.1	166.8
220	G25B_075_050d	0.25	0.75	0.5	0.75	0.5	0.5	180	0.25	0.75	0.5	56.4	−24.3	−4.0	24.6	189.3	0.25	0.75	0.5	54.3	−22.4	1.6	22.5	175.7	6.3	180	0.0	1.0	0.5	52.9	−48.6	−8.0	49.3	189.3
221	G38B_075_050d	0.25	0.75	0.625	0.75	0.5	0.5	196	0.25	0.75	0.633	57.5	−17.7	−14.2	22.7	218.7	0.25	0.75	0.625	55.4	−18.1	−8.0	19.8	203.9	6.5	197	0.0	1.0	0.766	55.1	−35.4	−28.4	45.4	218.7
222	G50B_075_050d	0.25	0.75	0.75	0.75	0.5	0.5	210	0.25	0.75	0.75	58.4	−12.7	−20.7	24.3	238.4	0.25	0.75	0.75	55.9	−14.3	−16.3	21.7	228.6	5.3	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
223	G59B_087_062d	0.25	0.75	0.875	0.875	0.625	0.562	221	0.25	0.76	0.875	59.7	−11.5	−25.8	28.3	245.8	0.25	0.75	0.875	57.2	−10.9	−24.3	26.6	245.8	2.9	219	0.0	0.816	1.0	52.4	−18.5	−41.3	45.3	245.8
224	G65B_100_075d	0.25	0.75	1.0	1.0	0.75	0.625	229	0.25	0.762	1.0	60.1	−9.2	−30.8	32.1	253.3	0.25	0.75	1.0	58.2	−6.9	−31.5	32.2	257.5	3.0	228	0.0	0.683	1.0	48.3	−12.2	−41.1	42.9	253.3
225	Y73G_087_087d	0.25	0.875	0.0	0.875	0.875	0.437	134	0.233	0.875	0.0	55.0	−40.2	42.4	58.5	133.4	0.25	0.875	0.0	55.3	−41.3	43.0	59.7	133.8	1.3	135	0.266	1.0	0.0	59.3	−45.9	48.5	66.8	133.4
226	Y85G_087_075d	0.25	0.875	0.125	0.875	0.75	0.5	141	0.237	0.875	0.125	56.5	−39.5	30.2	49.8	142.6	0.25	0.875	0.125	56.0	−39.6	34.6	52.6	138.8	4.4	142	0.15	1.0	0.0	55.4	−52.7	40.3	66.4	142.6
227	G00B_087_062d	0.25	0.875	0.25	0.875	0.625	0.562	150	0.25	0.875	0.25	58.2	−40.6	18.5	44.6	155.5	0.25	0.875	0.25	57.6	−36.1	25.5	44.2	144.7	8.3	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
228	G09B_087_062d	0.25	0.875	0.375	0.875	0.625	0.562	161	0.25	0.875	0.364	58.7	−38.2	10.9	39.7	164.0	0.25	0.875	0.375	58.0	−34.0	15.9	37.5	154.8	6.5	159	0.0	1.0	0.183	50.8	−61.1	17.4	63.6	164.0
229	G19B_087_062d	0.25	0.875	0.5	0.875	0.625	0.562	173	0.25	0.875	0.489	59.5	−33.9	1.4	33.9	177.5	0.25	0.875	0.5	58.8	−30.7	5.0	31.1	170.6	4.8	172	0.0	1.0	0.383	52.0	−54.2	2.3	54.3	177.5
230	G30B_087_062d	0.25	0.875	0.625	0.875	0.625	0.562	187	0.25	0.875	0.635	60.6	−26.7	−10.9	28.9	202.2	0.25	0.875	0.625	59.8	−26.2	−6.7	27.1	194.3	4.3	187	0.0	1.0	0.616	53.9	−42.8	−17.5	46.3	202.2
231	G40B_087_062d	0.25	0.875	0.75	0.875	0.625	0.562	199	0.25	0.875	0.76	61.6	−20.8	−19.5	28.6	223.1	0.25	0.875	0.75	61.0	−21.7	−16.2	27.1	216.7	3.4	200	0.0	1.0	0.816	55.4	−33.3	−31.3	45.7	223.1
232	G50B_087_062d	0.25	0.875	0.875	0.875	0.625	0.562	210	0.25	0.875	0.875	62.4	−15.9	−25.9	30.4	238.4	0.25	0.875	0.875	61.9	−17.8	−23.7	29.6	233.0	2.9	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
233	G57B_100_075d	0.25	0.875	1.0	1.0	0.75	0.625	219	0.25	0.887	1.0	63.9	−15.0	−31.0	34.4	244.1	0.25	0.875	1.0	63.0	−14.2	−31.6	34.7	245.7	1.3	217	0.0	0.85	1.0	53.4	−20.0	−41.3	45.9	244.1
234	Y76G_100_100d	0.25	1.0	0.0	1.0	1.0	0.5	136	0.233	1.0	0.0	57.9	−48.3	45.8	66.5	136.5	0.25	1.0	0.0	58.4	−47.3	46.8	66.6	135.3	1.4	137	0.233	1.0	0.0	57.9	−48.3	45.8	66.5	136.5
235	Y86G_100_087d	0.25	1.0	0.125	1.0	0.875	0.562	142	0.241	1.0	0.125	60.0	−46.8	34.2	58.0	143.8	0.25	1.0	0.125	59.2	−45.5	38.1	59.3	140.0	4.1	142	0.133	1.0	0.0	54.9	−53.5	39.1	66.3	143.8
236	G00B_100_075d	0.25	1.0	0.25	1.0	0.75	0.625	150	0.25	1.0	0.25	61.4	−48.7	22.2	53.5	155.5	0.25	1.0	0.25	60.7	−42.2	28.2	50.8	146.2	8.8	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
237	G07B_100_075d	0.25	1.0	0.375	1.0	0.75	0.625	159	0.25	1.0	0.362	61.9	−46.6	14.9	48.9	162.1	0.25	1.0	0.375	61.4	−39.9	18.6	44.0	154.9	7.6	157	0.0	1.0	0.15	50.6	−62.1	19.9	65.2	162.1
238	G15B_100_075d	0.25	1.0	0.5	1.0	0.75	0.625	169	0.25	1.0	0.487	62.6	−42.6	5.5	42.9	172.5	0.25	1.0	0.5	62.1	−36.8	7.1	37.5	169.0	6.0	168	0.0	1.0	0.316	51.6	−56.8	7.4	57.3	172.5
239	G25B_100_075d	0.25	1.0	0.625	1.0	0.75	0.625	180	0.25	1.0	0.625	63.6	−36.5	−6.0	37.0	189.3	0.25	1.0	0.625	63.2	−32.3	−4.5	32.6	187.9	4.4	180	0.0	1.0	0.5	52.9	−48.6	−8.0	49.3	189.3
240	G34B_100_075d	0.25	1.0	0.75	1.0	0.75	0.625	191	0.25	1.0	0.762	64.7	−29.7	−17.0	34.3	209.7	0.25	1.0	0.75	64.5	−27.4	−15.5	31.5	209.5	2.8	191	0.0	1.0	0.683	54.5	−39.7	−22.7	45.7	209.7
241	G42B_100_075d	0.25	1.0	0.875	1.0	0.75	0.625	201	0.25	1.0	0.887	65.6	−23.9	−24.8	34.5	226.1	0.25	1.0	0.875	65.3	−23.3	−24.0	33.5	225.7	1.0	202	0.0	1.0	0.85	55.7	−31.8	−33.1	46.0	226.1
242	G50B_100_075d	0.25	1.0	1.0	1.0	0.75	0.625	210	0.25	1.0	1.0	66.5	−19.1	−31.1	36.5	238.4	0.25	1.0	1.0	66.5	−19.0	−31.0	36.4	238.5	0.1	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4

Mean color difference of this page: **delta *E**' = 5.9**

1−0032131−F0

QE370−7N, Page 22/33−F

TUB-test chart QE37; hue code: H*$_d$=Y00G$_d$
colors and differences, Δ*E**'

input: *rgb/cmyk −> rgb*$_d$
output: transfer to *cmy0*$_d$

see similar files: http://130.149.60.45/~farbmetrik/QE37/QE37.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE37/QE37L0NA.TXT /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0 (CMY0)

http://130.149.60.45/~farbmetrik/QE37/QE37L0NA.TXT /.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**'$_{Fd}$			*LabCh**'$_{Fd}$					*DE**'$_{Fd}$	$h_{siM,d}$	*rgb**$_{Md}$			*LabCh**$_{Md}$				
243	R00Y_037_037$_d$	0.375	0.0	0.0	0.375	0.375	0.187	390	0.375	0.0	0.0	32.2	26.6	16.8	31.4	32.3	0.375	0.0	0.0	31.7	36.2	17.7	40.3	26.1	9.6	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
244	R18Y_037_037$_d$	0.375	0.0	0.125	0.375	0.375	0.187	371	0.375	0.0	0.118	32.3	27.2	11.7	29.6	23.2	0.375	0.0	0.125	31.6	36.7	13.2	39.0	19.8	9.6	371	1.0	0.0	0.316	45.7	72.6	31.2	79.1	23.2
245	B65R_037_037$_d$	0.375	0.0	0.25	0.375	0.375	0.187	349	0.375	0.0	0.256	32.4	28.6	4.4	29.0	8.9	0.375	0.0	0.25	31.7	38.5	8.1	39.3	11.9	10.5	348	1.0	0.0	0.683	45.9	76.4	11.9	77.3	8.9
246	B50R_037_037$_d$	0.375	0.0	0.375	0.375	0.375	0.187	330	0.375	0.0	0.375	32.5	29.7	0.0	29.7	359.8	0.375	0.0	0.375	31.7	39.8	3.0	39.9	4.3	10.5	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
247	B38R_050_050$_d$	0.375	0.0	0.5	0.5	0.5	0.25	316	0.383	0.0	0.5	33.2	35.8	−4.3	36.0	353.0	0.375	0.0	0.5	32.2	42.9	−3.3	43.0	355.5	7.3	317	0.766	0.0	1.0	42.1	71.6	−8.7	72.1	353.0
248	B30R_062_062$_d$	0.375	0.0	0.625	0.625	0.625	0.312	307	0.385	0.0	0.625	32.8	40.6	−9.0	41.6	347.4	0.375	0.0	0.625	32.4	45.1	−9.5	46.1	348.0	4.5	307	0.616	0.0	1.0	37.9	65.0	−14.5	66.6	347.4
249	B25R_075_075$_d$	0.375	0.0	0.75	0.75	0.75	0.375	300	0.375	0.0	0.75	32.7	43.9	−15.5	46.6	340.5	0.375	0.0	0.75	32.5	47.1	−15.8	49.6	341.4	3.1	300	0.5	0.0	1.0	35.6	58.6	−20.7	62.1	340.5
250	B20R_087_087$_d$	0.375	0.0	0.875	0.875	0.875	0.437	295	0.364	0.0	0.875	32.5	47.4	−21.3	51.9	335.7	0.375	0.0	0.875	32.6	49.3	−21.4	53.8	336.5	1.9	294	0.416	0.0	1.0	33.7	54.1	−24.4	59.4	335.7
251	B18R_100_100$_d$	0.375	0.0	1.0	1.0	1.0	0.5	292	0.366	0.0	1.0	32.5	51.2	−26.5	57.7	332.6	0.375	0.0	1.0	32.7	51.8	−26.0	58.0	333.3	0.8	291	0.366	0.0	1.0	32.5	51.2	−26.5	57.7	332.6
252	R31Y_037_037$_d$	0.375	0.125	0.0	0.375	0.375	0.187	49	0.375	0.118	0.0	36.4	17.1	22.2	28.1	52.2	0.375	0.125	0.0	34.8	28.0	21.3	35.2	37.3	10.9	48	1.0	0.316	0.0	56.6	45.8	59.2	74.9	52.2
253	R00Y_037_025$_d$	0.375	0.125	0.125	0.375	0.25	0.25	390	0.375	0.124	0.124	38.5	17.7	11.2	20.9	32.3	0.375	0.125	0.125	35.1	28.3	16.7	32.9	30.6	12.4	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
254	R00Y_037_025$_d$	0.375	0.125	0.25	0.375	0.25	0.25	360	0.375	0.124	0.25	38.6	18.5	5.2	19.2	15.9	0.375	0.125	0.25	35.3	29.6	10.7	31.5	19.8	12.7	360	1.0	0.0	0.5	45.9	74.2	21.1	77.1	15.9
255	B50R_037_025$_d$	0.375	0.125	0.375	0.375	0.25	0.25	330	0.375	0.124	0.375	38.7	19.8	0.0	19.8	359.8	0.375	0.125	0.375	35.5	31.2	5.0	31.6	9.2	12.9	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
256	B34R_050_037$_d$	0.375	0.125	0.5	0.5	0.375	0.312	311	0.381	0.124	0.5	39.0	25.5	−4.4	25.9	350.0	0.375	0.125	0.5	36.2	33.7	−2.3	33.7	355.9	8.9	311	0.683	0.0	1.0	39.8	68.1	−11.9	69.1	350.0
257	B25R_062_050$_d$	0.375	0.125	0.625	0.625	0.5	0.375	300	0.375	0.125	0.625	38.8	29.3	−10.3	31.0	340.5	0.375	0.125	0.625	36.2	35.2	−9.0	36.3	345.6	6.6	300	0.5	0.0	1.0	35.6	58.6	−20.7	62.1	340.5
258	B19R_075_062$_d$	0.375	0.125	0.75	0.75	0.625	0.437	293	0.364	0.125	0.75	38.6	32.7	−16.0	36.4	333.8	0.375	0.125	0.75	36.6	37.1	−15.7	40.3	337.0	4.8	292	0.383	0.0	1.0	32.9	52.3	−25.7	58.3	333.8
259	B15R_087_075$_d$	0.375	0.125	0.875	0.875	0.75	0.5	289	0.362	0.125	0.875	38.2	35.5	−22.0	41.8	328.1	0.375	0.125	0.875	36.9	39.8	−21.4	45.2	331.6	4.5	288	0.316	0.0	1.0	30.9	47.3	−29.4	55.7	328.1
260	B13R_100_087$_d$	0.375	0.125	1.0	1.0	0.875	0.562	286	0.358	0.125	1.0	37.6	37.9	−27.8	47.0	323.6	0.375	0.125	1.0	36.8	42.2	−26.6	49.9	327.7	4.5	284	0.266	0.0	1.0	29.4	43.3	−31.8	53.8	323.6
261	R68Y_037_037$_d$	0.375	0.25	0.0	0.375	0.375	0.187	71	0.375	0.256	0.0	43.2	4.1	30.1	30.4	82.1	0.375	0.25	0.0	39.9	16.0	27.6	31.9	59.7	12.6	71	1.0	0.683	0.0	74.8	11.0	80.4	81.1	82.1
262	R50Y_037_025$_d$	0.375	0.25	0.125	0.375	0.25	0.25	60	0.375	0.25	0.124	43.4	7.2	17.1	18.6	67.1	0.375	0.25	0.125	39.9	17.1	21.7	27.7	51.6	11.5	59	1.0	0.5	0.0	64.9	28.9	68.6	74.5	67.1
263	R00Y_037_012$_d$	0.375	0.25	0.25	0.375	0.125	0.312	390	0.375	0.249	0.249	44.8	8.8	5.6	10.4	32.3	0.375	0.25	0.25	40.0	18.4	15.1	23.9	39.3	14.3	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
264	B50R_037_012$_d$	0.375	0.25	0.375	0.375	0.125	0.312	330	0.375	0.249	0.375	44.9	9.9	0.0	9.9	359.8	0.375	0.25	0.375	40.7	19.7	8.1	21.3	22.2	13.4	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
265	B25R_050_025$_d$	0.375	0.25	0.5	0.5	0.25	0.375	300	0.375	0.249	0.5	44.9	14.6	−5.1	15.5	340.5	0.375	0.25	0.5	41.2	22.1	−0.1	22.1	359.5	9.7	300	0.5	0.0	1.0	35.6	58.6	−20.7	62.1	340.5
266	B15R_062_037$_d$	0.375	0.25	0.625	0.625	0.375	0.437	289	0.368	0.25	0.625	44.6	17.7	−11.0	20.9	328.1	0.375	0.25	0.625	41.6	23.9	−7.1	25.0	343.2	7.9	288	0.316	0.0	1.0	30.9	47.3	−29.4	55.7	328.1
267	B11R_075_050$_d$	0.375	0.25	0.75	0.75	0.5	0.5	284	0.366	0.25	0.75	44.3	20.6	−16.5	26.4	321.1	0.375	0.25	0.75	42.1	26.2	−14.0	29.7	331.7	6.5	282	0.233	0.0	1.0	28.7	41.2	−33.1	52.9	321.1
268	B09R_087_062$_d$	0.375	0.25	0.875	0.875	0.625	0.562	281	0.364	0.25	0.875	44.6	24.2	−21.7	32.5	318.2	0.375	0.25	0.875	42.9	28.9	−20.3	35.3	324.8	5.1	279	0.183	0.0	1.0	28.3	38.8	−34.7	52.1	318.2
269	B07R_100_075$_d$	0.375	0.25	1.0	1.0	0.75	0.625	279	0.362	0.25	1.0	44.9	27.9	−26.8	38.7	316.2	0.375	0.25	1.0	43.1	31.3	−26.0	40.7	320.3	3.9	278	0.15	0.0	1.0	28.1	37.2	−35.7	51.6	316.2
270	Y00G_037_037$_d$	0.375	0.375	0.0	0.375	0.375	0.187	90	0.375	0.375	0.0	48.1	−3.8	35.8	36.0	96.1	0.375	0.375	0.0	44.1	6.7	33.2	33.8	78.5	11.5	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
271	Y00G_037_025$_d$	0.375	0.375	0.125	0.375	0.25	0.25	90	0.375	0.375	0.124	49.1	−2.5	23.8	24.0	96.1	0.375	0.375	0.125	44.5	7.0	26.3	27.2	75.0	10.9	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
272	Y00G_037_012$_d$	0.375	0.375	0.25	0.375	0.125	0.312	90	0.375	0.375	0.249	50.1	−1.2	11.9	12.0	96.1	0.375	0.375	0.25	44.7	8.5	18.5	20.4	65.3	12.9	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
273	NW_037$_d$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	51.0	0.0	0.0	0.0	0.0	0.375	0.375	0.375	45.3	10.0	11.0	14.9	47.8	16.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
274	B00R_050_012$_d$	0.375	0.375	0.5	0.5	0.125	0.437	270	0.375	0.375	0.5	51.1	3.6	−5.0	6.2	306.2	0.375	0.375	0.5	46.1	12.2	2.1	12.3	10.0	12.2	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
275	B00R_062_025$_d$	0.375	0.375	0.625	0.625	0.25	0.5	270	0.375	0.375	0.625	51.2	7.3	−10.1	12.5	306.2	0.375	0.375	0.625	46.7	14.8	−5.3	15.7	340.2	9.9	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
276	B00R_075_037$_d$	0.375	0.375	0.75	0.75	0.375	0.562	270	0.375	0.375	0.75	51.3	11.0	−15.1	18.7	306.2	0.375	0.375	0.75	47.4	17.2	−12.5	21.3	323.8	7.7	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
277	B00R_087_050$_d$	0.375	0.375	0.875	0.875	0.5	0.625	270	0.375	0.375	0.875	51.4	14.7	−20.2	25.0	306.2	0.375	0.375	0.875	48.1	19.9	−19.3	27.7	315.9	6.1	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
278	B00R_100_062$_d$	0.375	0.375	1.0	1.0	0.625	0.687	270	0.375	0.375	1.0	51.5	18.4	−25.2	31.3	306.2	0.375	0.375	1.0	48.4	23.0	−25.3	34.2	312.3	5.5	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
279	Y23G_050_050$_d$	0.375	0.5	0.0	0.5	0.5	0.25	104	0.383	0.5	0.0	52.8	−8.5	42.1	43.0	101.4	0.375	0.5	0.0	49.1	−2.0	38.9	38.9	92.9	8.1	102	0.766	1.0	0.0	81.2	−17.0	84.3	86.0	101.4
280	Y31G_050_037$_d$	0.375	0.5	0.125	0.5	0.375	0.312	109	0.381	0.5	0.124	53.3	−7.9	29.8	30.8	104.9	0.375	0.5	0.125	49.5	−1.7	31.0	31.0	93.2	7.3	108	0.683	1.0	0.0	77.8	−21.1	79.4	82.2	104.9
281	Y50G_050_025$_d$	0.375	0.5	0.25	0.5	0.25	0.375	120	0.375	0.5	0.249	53.7	−7.4	16.6	18.2	114.0	0.375	0.5	0.25	49.7	−0.9	22.3	22.3	92.5	9.4	119	0.5	1.0	0.0	70.6	−29.7	66.5	72.8	114.0
282	G00B_050_012$_d$	0.375	0.5	0.375	0.5	0.125	0.437	150	0.375	0.5	0.375	54.3	−8.1	3.7	8.9	155.5	0.375	0.5	0.375	50.4	0.8	13.6	13.6	86.3	13.9	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
283	G50B_050_012$_d$	0.375	0.5	0.5	0.5	0.125	0.437	210	0.375	0.5	0.5	55.1	−3.1	−5.1	6.0	238.4	0.375	0.5	0.5	51.1	2.9	4.1	5.0	54.4	11.8	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
284	G75B_062_025$_d$	0.375	0.5	0.625	0.625	0.25	0.5	240	0.375	0.5	0.625	55.4	−0.3	−10.1	10.1	268.2	0.375	0.5	0.625	51.7	5.8	−4.1	7.1	324.8	9.3	240	0.0	0.5	1.0	41.7	−1.2	−40.6	40.6	268.2
285	G84B_075_037$_d$	0.375	0.5	0.75	0.75	0.375	0.562	251	0.375	0.493	0.75	55.1	3.7	−15.1	15.6	283.7	0.375	0.5	0.75	52.4	8.7	−11.9	14.7	306.3	6.5	251	0.0	0.316	1.0	35.2	9.9	−40.4	41.6	283.7
286	G88B_087_050$_d$	0.375	0.5	0.875	0.875	0.5	0.625	256	0.375	0.491	0.875	55.0	7.6	−20.1	21.5	290.8	0.375	0.5	0.875	52.9	12.1	−18.6	22.2	303.1	5.1	257	0.0	0.233	1.0	32.2	15.3	−40.3	43.1	290.8
287	G90B_100_062$_d$	0.375	0.5	1.0	1.0	0.625	0.687	259	0.375	0.489	1.0	54.9	11.6	−25.2	27.8	294.6	0.375	0.5	1.0	53.6	15.1	−25.2	29.4	301.0	3.8	260	0.0	0.183	1.0	30.6	18.5	−40.4	44.5	294.6
288	Y38G_062_062$_d$	0.375	0.625	0.0	0.625	0.625	0.312	113	0.385	0.625	0.0	56.0	−15.3	46.9	49.4	108.0	0.375	0.625	0.0	54.2	−12.9	44.7	46.5	106.1	3.7	112	0.616	1.0	0.0	75.0	−24.4	75.1	79.0	108.0
289	Y50G_062_050$_d$	0.375	0.625	0.125	0.625	0.5	0.375	120	0.375	0.625	0.125	56.4	−14.8	33.2	36.4	114.0	0.375	0.625	0.125	54.5	−12.7	36.0	38.2	109.5	3.9	119	0.5	1.0	0.0	70.6	−29.7	66.5	72.8	114.0
290	Y68G_062_037$_d$	0.375	0.625	0.25	0.625	0.375	0.437	131	0.368	0.625	0.25	56.4	−15.5	19.9	25.3	127.8	0.375	0.625	0.25	54.9	−11.6	26.1	28.6	114.0	7.3	131	0.316	1.0	0.0	62.3	−41.4	53.2	67.5	127.8
291	G00B_062_025$_d$	0.375	0.625	0.375	0.625	0.25	0.5	150	0.375	0.625	0.375	57.5	−16.2	7.4	17.8	155.5	0.375	0.625	0.375	55.9	−9.5	17.1	19.6	119.2	11.9	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
292	G25B_062_025$_d$	0.375	0.625	0.5	0.625	0.25	0.5	180	0.375	0.625	0.5	58.2	−12.1	−2.0	12.3	189.3	0.375	0.625	0.5	56.6	−7.0	7.0	9.9	134.9	10.5	180	0.0	1.0	0.5	52.9	−48.6	−8.0	49.3	189.3
293	G50B_062_025$_d$	0.375	0.625	0.625	0.625	0.25	0.5	210	0.375	0.625	0.625	59.2	−6.3	−10.3	12.1	238.4	0.375	0.625	0.625	57.2	−4.2	−1.9	4.6	204.4	8.9	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
294	G65B_075_037$_d$	0.375	0.625	0.75	0.75	0.375	0.562	229	0.375	0.631	0.75	60.0	−4.6	−15.4	16.0	253.3	0.375	0.625	0.75	58.8	−1.4	−10.4	10.5	261.9	6.0	228	0.0	0.683	1.0	48.3	−12.2	−41.1	42.9	253.3
295	G75B_087_050$_d$	0.375	0.625	0.875	0.875	0.5	0.625	240	0.375	0.625	0.875	59.7	−0.6	−20.3	20.3	268.2	0.375	0.625	0.875	59.6	1.8	−17.6	17.7	275.8	3.6	240	0.0	0.5	1.0	41.7	−1.2	−40.6	40.6	268.2
296	G80B_100_062$_d$	0.375	0.625	1.0	1.0	0.625	0.687	247	0.375	0.614	1.0	59.3	3.5	−25.1	25.4	277.9	0.375	0.625	1.0	59.6	5.5	−24.8	25.4	282.6	2.1	247	0.0	0.383	1.0	37.6	5.6	−40.3	40.7	277.9
297	Y50G_075_075$_d$	0.375	0.75	0.0	0.75	0.75	0.375	120	0.375	0.75	0.0	59.0	−22.2	49.8	54.6	114.0	0.375	0.75	0.0	57.8	−21.0	48.5	52.9	113.4	2.1	119	0.5	1.0	0.0	70.6	−29.7	66.5	72.8	114.0
298	Y61G_075_062$_d$	0.375	0.75	0.125	0.75	0.625	0.437	127	0.364	0.75	0.125	59.3	−22.0	36.7	42.8	120.9	0.375	0.75	0.125	58.1	−20.5	39.0	44.1	117.7	2.9	127	0.383	1.0	0.0	66.0	−35.2	58.8	68.6	120.9
299	Y76G_075_050$_d$	0.375	0.75	0.25	0.75	0.5	0.5	136	0.366	0.75	0.25	58.9	−24.1	22.9	33.2	136.5	0.375	0.75	0.25	58.8	−19.1	28.6	34.4	123.7	7.6	137	0.233	1.0	0.0	57.9	−48.3	45.8	66.5	136.5
300	G00B_075_037$_d$	0.375	0.75	0.375	0.75	0.375	0.562	150	0.375	0.75	0.375	60.7	−24.3	11.1	26.7	155.5	0.375	0.75	0.375	59.8	−16.7	19.6	25.7	130.3	11.5	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
301	G15B_075_037$_d$	0.375	0.75	0.5	0.75	0.375	0.562	169	0.375	0.75	0.493	61.3	−21.3	2.7	21.4	172.5	0.375	0.75	0.5	60.7	−14.2	9.9	17.3	145.1	10.0	168	0.0	1.0	0.316	51.6	−56.8	7.4	57.3	172.5
302	G34B_075_037$_d$	0.375	0.75	0.625	0.75	0.375	0.562	191	0.375	0.75	0.631	62.3	−14.8	−8.5	17.1	209.7	0.375	0.75	0.625	61.7	−11.2	−1.3	11.3	186.7	8.0	191	0.0	1.0	0.683	54.5	−39.7	−22.7	45.7	209.7
303	G50B_075_037$_d$	0.375	0.75	0.75	0.75	0.375	0.562	210	0.375	0.75	0.75	63.2	−9.5	−15.5	18.2	238.4	0.375	0.75	0.75	62.6	−8.1	−9.5	12.5	229.4	6.2	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
304	G61B_087_050$_d$	0.375	0.75	0.875	0.875	0.5	0.625	224	0.375	0.758	0.875	64.3	−8.1	−20.6	22.1	248.4	0.375	0.75	0.875	64.3	−5.6	−17.1	18.0	251.7	4.2	222	0.0	0.766	1.0	50.9	−16.2	−41.2	44.2	248.4
305	G69B_100_062$_d$	0.375	0.75	1.0	1.0	0.625	0.687	233	0.375	0.76	1.0	64.7	−5.5	−25.5	26.1	257.7	0.375	0.75	1.0	65.2	−2.3	−24.3	24.4	264.5	3.5	232	0.0	0.616	1.0	46.2	−8.9	−40.9	41.8	257.7
306	Y58G_087_087$_d$	0.375	0.875	0.0	0.875	0.875	0.437	125	0.364	0.875	0.0	61.9	−29.5	53.4	61.1	118.9	0.375	0.875	0.0	62.1	−29.7	53.7	61.4	118.9	0.4	125	0.416	1.0	0.0	67.3	−33.8	61.0	69.8	118.9
307	Y68G_087_075$_d$	0.375	0.875	0.125	0.875	0.75	0.5	131	0.362	0.875	0.125	61.7	−31.1	39.9	50.6	127.8	0.375	0.875	0.125	62.6	−28.9	43.3	52.1	123.7	4.1	131	0.316	1.0	0.0	62.3	−41.4	53.2	67.5	127.8
308	Y81G_087_062$_d$	0.375	0.875	0.25	0.875	0.625	0.562	139	0.364	0.875	0.25	62.2	−31.9	26.6	41.5	140.1	0.375	0.875	0.25	63.2	−27.1	32.3	42.2	130.0	7.5	140	0.183	1.0	0.0	56.4	−51.0	42.5	66.4	140.1
309	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	−32.5	14.8	35.7	155.5	0.375	0.875	0.375	64.5	−24.4	21.9	32.8	138.1	10.7	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
310	G11B_087_050$_d$	0.375	0.875	0.5	0.875	0.5	0.625	164	0.375	0.875	0.491	64.4	−29.7	6.9	30.5	166.8	0.375	0.875	0.5	65.5	−22.3	11.8	25.2	152.1	8.9	162	0.0	1.0	0.233	51.1	−59.5	13.9	61.1	166.8
311	G25B_087_050$_d$	0.375	0.875	0.625	0.875	0.5	0.625	180	0.375	0.875	0.625	65.4	−24.3	−4.0	24.6	189.3	0.375	0.875	0.625	66.7	−18.9	1.0	19.0	176.7	7.5	180	0.0	1.0	0.5	52.9	−48.6	−8.0	49.3	189.3
312	G38B_087_050$_d$	0.375	0.875	0.75	0.875	0.5	0.625	196	0.375	0.875	0.758	66.4	−17.7	−14.2	22.7	218.7	0.375	0.875	0.75	67.7	−15.6	−8.7	17.8	209.3	5.9	197	0.0	1.0	0.766	55.1	−35.4	−28.4	45.4	218.7
313	G50B_087_050$_d$	0.375	0.875	0.875	0.875	0.5	0.625	210	0.375	0.875	0.875	67.3	−12.7	−20.7	24.3	238.4	0.375	0.875	0.875	68.8	−12.4	−16.2	20.5	232.5	4.7	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
314	G59B_100_062$_d$	0.375	0.875	1.0	1.0	0.625	0.687	221	0.375	0.885	1.0	68.6	−11.5	−25.8	28.3	245.8	0.375	0.875	1.0	69.9	−9.2	−24.1	25.8	249.1	3.2	219	0.0	0.816	1.0	52.4	−18.5	−41.3	45.3	245.8
315	Y63G_100_100$_d$	0.375	1.0	0.0	1.0	1.0	0.5	128	0.366	1.0	0.0	65.2	−36.4	57.6	68.2	122.3	0.375	1.0	0.0	65.7	−35.6	58.3	68.3	121.4	1.2	128	0.366	1.0	0.0	65.2	−36.4	57.6	68.2	122.3
316	Y73G_100_087$_d$	0.375	1.0	0.125	1.0	0.875	0.562	134	0.358	1.0	0.125	63.9	−40.2	42.4	58.5	133.4	0.375	1.0	0.125	65.8	−35.4	46.5	58.5	127.2	6.5	135	0.266	1.0	0.0	59.3	−45.9	48.5	66.8	133.4
317	Y85G_100_075$_d$	0.375	1.0	0.25	1.0	0.75	0.625	141	0.362	1.0	0.25	65.5	−39.5	30.2	49.8	142.6	0.375	1.0	0.25	66.8	−33.2	35.4	48.6	133.1	8.3	142	0.15	1.0	0.0	55.4	−52.7	40.3	66.4	142.6
318	G00B_100_062$_d$	0.375	1.0	0.375	1.0	0.625	0.687	150	0.375	1.0	0.375	67.1	−40.6	18.5	44.6	155.5	0.375	1.0	0.375	68.2	−30.7	24.8	39.5	140.9	11.8	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
319	G09B_100_062$_d$	0.375	1.0	0.5	1.0	0.625	0.687	161	0.375	1.0	0.489	67.6	−38.2	10.9	39.7	164.0	0.375	1.0	0.5	69.1	−28.5	14.1	31.8	153.5	10.3	159	0.0	1.0	0.183	50.8	−61.1	17.4	63.6	164.0
320	G19B_100_062$_d$	0.375	1.0	0.625	1.0	0.625	0.687	173	0.375	1.0	0.614	68.4	−33.9	1.4	33.9	177.5	0.375	1.0	0.625	70.3	−25.3	3.8	25.6	171.3	9.0	172	0.0	1.0	0.383	52.0	−54.2	2.3	54.3	177.5
321	G30B_100_062$_d$	0.375	1.0	0.75	1.0	0.625	0.687	187	0.375	1.0	0.76	69.5	−26.7	−10.9	28.9	202.2	0.375	1.0	0.75	71.7	−21.5	−7.4	22.7	198.9	6.7	187	0.0	1.0	0.616	53.9	−42.8	−17.5	46.3	202.2
322	G40B_100_062$_d$	0.375	1.0	0.875	1.0	0.625	0.687	199	0.375	1.0	0.885	70.5	−20.8	−19.5	28.6	223.1	0.375	1.0	0.875	72.9	−18.0	−16.1	24.1	221.8	5.0	200	0.0	1.0	0.816	55.4	−33.3	−31.3	45.7	223.1
323	G50B_100_062$_d$	0.375	1.0	1.0	1.0	0.625	0.687	210	0.375	1.0	1.0	71.3	−15.9	−25.9	30.4	238.4	0.375	1.0	1.0	73.8	−14.5	−23.5	27.6	238.1	3.7	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4

Mean color difference of this page: **delta *E**' =** ***7.6***

TUB-test chart QE37; hue code: H*$_d$=Y00G$_d$
colors and differences, Δ*E**'

input: *rgb/cmyk* −> *rgb*$_d$
output: transfer to *cmy0*$_d$

see similar files: http://130.149.60.45/~farbmetrik/QE37/QE37.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

QE3700L

TUB registration: 20130201-QE37/QE37L0NA.TXT /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0 (CMY0)

http://130.149.60.45/~farbmetrik/QE37/QE37L0NA.TXT /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 24/33

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**$_{Md}$				
324	R00Y_050_050$_d$	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.0	34.9	35.4	22.4	41.9	32.3	0.5	0.0	0.0	34.8	44.7	22.4	50.0	26.6	9.2	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
325	R26Y_050_050$_d$	0.5	0.0	0.125	0.5	0.5	0.25	376	0.5	0.0	0.116	35.0	36.0	17.6	40.1	26.1	0.5	0.0	0.125	34.7	45.7	18.0	49.1	21.5	9.6	377	1.0	0.0	0.233	45.6	72.1	35.3	80.3	26.1
326	R00Y_050_050$_d$	0.5	0.0	0.25	0.5	0.5	0.25	360	0.5	0.0	0.25	35.1	37.1	10.5	38.5	15.9	0.5	0.0	0.25	34.8	46.7	12.4	48.3	14.9	9.7	360	1.0	0.0	0.5	45.9	74.2	21.1	77.1	15.9
327	B61R_050_050$_d$	0.5	0.0	0.375	0.5	0.5	0.25	344	0.5	0.0	0.383	35.1	38.6	4.0	38.8	5.9	0.5	0.0	0.375	34.8	48.4	6.7	48.9	7.8	10.1	342	1.0	0.0	0.766	45.9	77.3	8.0	77.7	5.9
328	B50R_050_050$_d$	0.5	0.0	0.5	0.5	0.5	0.25	330	0.5	0.0	0.5	35.2	39.6	−0.1	39.6	359.8	0.5	0.0	0.5	35.0	49.8	0.6	49.8	0.7	10.2	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
329	B40R_062_062$_d$	0.5	0.0	0.625	0.625	0.625	0.312	319	0.51	0.0	0.625	36.0	45.8	−4.4	46.0	354.4	0.5	0.0	0.625	35.3	52.5	−4.7	52.7	354.8	6.7	320	0.816	0.0	1.0	43.1	73.2	−7.0	73.6	354.4
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	51.0	−8.9	51.8	350.0	0.5	0.0	0.75	35.7	54.4	−10.3	55.4	349.2	3.6	311	0.683	0.0	1.0	39.8	68.1	−11.9	69.1	350.0
331	B29R_087_087$_d$	0.5	0.0	0.875	0.875	0.875	0.437	305	0.51	0.0	0.875	35.6	55.3	−14.3	57.1	345.4	0.5	0.0	0.875	35.8	56.7	−15.7	58.8	344.4	1.9	305	0.583	0.0	1.0	37.2	63.2	−16.4	65.3	345.4
332	B25R_100_100$_d$	0.5	0.0	1.0	1.0	1.0	0.5	300	0.5	0.0	1.0	35.6	58.6	−20.7	62.1	340.5	0.5	0.0	1.0	35.6	58.6	−20.7	62.1	340.5	0.0	300	0.5	0.0	1.0	35.6	58.6	−20.7	62.1	340.5
333	R23Y_050_050$_d$	0.5	0.125	0.0	0.5	0.5	0.25	44	0.5	0.116	0.0	38.7	26.7	27.4	38.2	45.7	0.5	0.125	0.0	38.2	36.5	26.8	45.3	36.2	9.9	42	1.0	0.233	0.0	53.0	53.4	54.8	76.5	45.7
334	R00Y_050_037$_d$	0.5	0.125	0.125	0.5	0.375	0.312	390	0.5	0.124	0.124	41.1	26.6	16.8	31.4	32.3	0.5	0.125	0.125	38.6	36.6	21.7	42.6	30.7	11.4	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
335	R18Y_050_037$_d$	0.5	0.125	0.25	0.5	0.375	0.312	371	0.5	0.124	0.243	41.2	27.2	11.7	29.6	23.2	0.5	0.125	0.25	38.5	37.3	15.9	40.6	23.1	11.3	371	1.0	0.0	0.316	45.7	72.6	31.2	79.1	23.2
336	B65R_050_037$_d$	0.5	0.125	0.375	0.5	0.375	0.312	349	0.5	0.124	0.381	41.3	28.6	4.4	29.0	8.9	0.5	0.125	0.375	38.8	39.2	8.8	40.2	12.6	11.7	348	1.0	0.0	0.683	45.9	76.4	11.9	77.3	8.9
337	B50R_050_037$_d$	0.5	0.125	0.5	0.5	0.375	0.312	330	0.5	0.124	0.5	41.4	29.7	0.0	29.7	359.8	0.5	0.125	0.5	39.3	40.7	1.9	40.8	2.7	11.4	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
338	B38R_062_050$_d$	0.5	0.125	0.625	0.625	0.5	0.375	316	0.508	0.125	0.625	42.1	35.8	−4.3	36.0	353.0	0.5	0.125	0.625	39.5	42.6	−4.1	42.8	354.3	7.3	317	0.766	0.0	1.0	42.1	71.6	−8.7	72.1	353.0
339	B30R_075_062$_d$	0.5	0.125	0.75	0.75	0.625	0.437	307	0.51	0.125	0.75	41.7	40.6	−9.0	41.6	347.4	0.5	0.125	0.75	40.4	44.7	−10.1	45.8	347.1	4.4	307	0.616	0.0	1.0	37.9	65.0	−14.5	66.6	347.4
340	B25R_087_075$_d$	0.5	0.125	0.875	0.875	0.75	0.5	300	0.5	0.125	0.875	41.7	43.9	−15.5	46.6	340.5	0.5	0.125	0.875	40.2	46.8	−16.1	49.5	340.9	3.3	300	0.5	0.0	1.0	35.6	58.6	−20.7	62.1	340.5
341	B20R_100_087$_d$	0.5	0.125	1.0	1.0	0.875	0.562	295	0.489	0.125	1.0	41.4	47.4	−21.3	51.9	335.7	0.5	0.125	1.0	40.3	48.4	−21.7	53.0	335.8	1.5	294	0.416	0.0	1.0	33.7	54.1	−24.4	59.4	335.7
342	R50Y_050_050$_d$	0.5	0.25	0.0	0.5	0.5	0.25	60	0.5	0.25	0.0	44.6	14.4	34.3	37.2	67.1	0.5	0.25	0.0	43.4	24.2	33.3	41.2	53.9	9.9	59	1.0	0.5	0.0	64.9	28.9	68.6	74.5	67.1
343	R31Y_050_037$_d$	0.5	0.25	0.125	0.5	0.375	0.312	49	0.5	0.243	0.124	45.3	17.1	22.2	28.1	52.2	0.5	0.25	0.125	43.4	25.3	26.7	36.8	46.5	9.5	48	1.0	0.316	0.0	56.6	45.8	59.2	74.9	52.2
344	R00Y_050_025$_d$	0.5	0.25	0.25	0.5	0.25	0.375	390	0.5	0.249	0.249	47.4	17.7	11.2	20.9	32.3	0.5	0.25	0.25	44.0	25.7	19.7	32.4	37.4	12.1	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
345	R00Y_050_025$_d$	0.5	0.25	0.375	0.5	0.25	0.375	360	0.5	0.249	0.375	47.5	18.5	5.2	19.2	15.9	0.5	0.25	0.375	44.3	27.0	12.6	29.8	25.1	11.6	360	1.0	0.0	0.5	45.9	74.2	21.1	77.1	15.9
346	B50R_050_025$_d$	0.5	0.25	0.5	0.5	0.25	0.375	330	0.5	0.249	0.5	47.6	19.8	0.0	19.8	359.8	0.5	0.25	0.5	44.8	28.7	4.6	29.0	9.2	10.4	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
347	B34R_062_037$_d$	0.5	0.25	0.625	0.625	0.375	0.437	311	0.506	0.25	0.625	47.9	25.5	−4.4	25.9	350.0	0.5	0.25	0.625	45.5	30.6	−2.0	30.7	356.0	6.1	311	0.683	0.0	1.0	39.8	68.1	−11.9	69.1	350.0
348	B25R_075_050$_d$	0.5	0.25	0.75	0.75	0.5	0.5	300	0.5	0.25	0.75	47.8	29.3	−10.3	31.0	340.5	0.5	0.25	0.75	45.9	32.2	−9.6	33.6	343.4	3.5	300	0.5	0.0	1.0	35.6	58.6	−20.7	62.1	340.5
349	B19R_087_062$_d$	0.5	0.25	0.875	0.875	0.625	0.562	293	0.489	0.25	0.875	47.5	32.7	−16.0	36.4	333.8	0.5	0.25	0.875	46.1	34.4	−15.8	37.9	335.2	2.2	292	0.383	0.0	1.0	32.9	52.3	−25.7	58.3	333.8
350	B15R_100_075$_d$	0.5	0.25	1.0	1.0	0.75	0.625	289	0.487	0.25	1.0	47.1	35.5	−22.0	41.8	328.1	0.5	0.25	1.0	46.6	36.7	−21.3	42.4	329.8	1.5	288	0.316	0.0	1.0	30.9	47.3	−29.4	55.7	328.1
351	R76Y_050_050$_d$	0.5	0.375	0.0	0.5	0.5	0.25	76	0.5	0.383	0.0	51.5	2.1	42.3	42.4	87.0	0.5	0.375	0.0	48.2	12.8	39.3	41.4	71.8	11.5	77	1.0	0.766	0.0	78.6	4.3	84.7	84.8	87.0
352	R68Y_050_037$_d$	0.5	0.375	0.125	0.5	0.375	0.312	71	0.5	0.381	0.124	52.2	4.1	30.1	30.4	82.1	0.5	0.375	0.125	48.7	13.5	32.0	34.7	67.1	10.1	71	1.0	0.683	0.0	74.8	11.0	80.4	81.1	82.1
353	R50Y_050_025$_d$	0.5	0.375	0.25	0.5	0.25	0.375	60	0.5	0.375	0.249	52.3	7.2	17.1	18.6	67.1	0.5	0.375	0.25	48.7	15.3	23.6	28.1	56.9	10.9	59	1.0	0.5	0.0	64.9	28.9	68.6	74.5	67.1
354	R00Y_050_012$_d$	0.5	0.375	0.375	0.5	0.125	0.437	390	0.5	0.375	0.375	53.7	8.8	5.6	10.4	32.3	0.5	0.375	0.375	49.3	16.6	15.4	22.7	42.7	13.2	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
355	B50R_050_012$_d$	0.5	0.375	0.5	0.5	0.125	0.437	330	0.5	0.375	0.5	53.8	9.9	0.0	9.9	359.8	0.5	0.375	0.5	50.0	18.1	6.9	19.4	21.0	11.5	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
356	B25R_062_025$_d$	0.5	0.375	0.625	0.625	0.25	0.5	300	0.5	0.375	0.625	53.9	14.6	−5.1	15.5	340.5	0.5	0.375	0.625	50.6	20.3	−0.7	20.3	357.8	7.9	300	0.5	0.0	1.0	35.6	58.6	−20.7	62.1	340.5
357	B15R_075_037$_d$	0.5	0.375	0.75	0.75	0.375	0.562	289	0.493	0.375	0.75	53.5	17.7	−11.0	20.9	328.1	0.5	0.375	0.75	51.3	22.1	−8.5	23.7	338.9	5.5	288	0.316	0.0	1.0	30.9	47.3	−29.4	55.7	328.1
358	B11R_087_050$_d$	0.5	0.375	0.875	0.875	0.5	0.625	284	0.491	0.375	0.875	53.2	20.6	−16.5	26.4	321.1	0.5	0.375	0.875	51.7	24.3	−15.1	28.6	328.0	4.2	282	0.233	0.0	1.0	28.7	41.2	−33.1	52.9	321.1
359	B09R_100_062$_d$	0.5	0.375	1.0	1.0	0.625	0.687	281	0.489	0.375	1.0	53.5	24.2	−21.7	32.5	318.2	0.5	0.375	1.0	52.1	26.7	−21.3	34.2	321.4	2.8	279	0.183	0.0	1.0	28.3	38.8	−34.7	52.1	318.2
360	Y00G_050_050$_d$	0.5	0.5	0.0	0.5	0.5	0.25	90	0.5	0.5	0.0	56.1	−5.1	47.7	48.0	96.1	0.5	0.5	0.0	52.6	3.9	44.2	44.3	84.8	10.3	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
361	Y00G_050_037$_d$	0.5	0.5	0.125	0.5	0.375	0.312	90	0.5	0.5	0.124	57.0	−3.8	35.8	36.0	96.1	0.5	0.5	0.125	53.0	4.5	36.2	36.5	82.8	9.3	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
362	Y00G_050_025$_d$	0.5	0.5	0.25	0.5	0.25	0.375	90	0.5	0.5	0.249	58.0	−2.5	23.8	24.0	96.1	0.5	0.5	0.25	53.6	5.7	27.6	28.2	78.1	10.1	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
363	Y00G_050_012$_d$	0.5	0.5	0.375	0.5	0.125	0.437	90	0.5	0.5	0.375	59.0	−1.2	11.9	12.0	96.1	0.5	0.5	0.375	54.5	6.9	19.0	20.2	69.9	11.7	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
364	NW_050$_d$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	60.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	55.1	8.8	9.3	12.8	46.5	13.7	360	1.0	1.0	1.0	95.6	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	60.0	3.6	−5.0	6.2	306.2	0.5	0.5	0.625	55.7	11.2	0.8	11.2	4.5	10.5	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
366	B00R_075_025$_d$	0.5	0.5	0.75	0.75	0.25	0.625	270	0.5	0.5	0.75	60.1	7.3	−10.1	12.5	306.2	0.5	0.5	0.75	56.5	13.3	−7.1	15.1	331.7	7.5	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
367	B00R_087_037$_d$	0.5	0.5	0.875	0.875	0.375	0.687	270	0.5	0.5	0.875	60.2	11.0	−15.1	18.7	306.2	0.5	0.5	0.875	57.2	15.8	−14.2	21.3	318.1	5.7	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
368	B00R_100_050$_d$	0.5	0.5	1.0	1.0	0.5	0.75	270	0.5	0.5	1.0	60.3	14.7	−20.2	25.0	306.2	0.5	0.5	1.0	57.9	18.3	−20.7	27.7	311.4	4.3	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
369	Y18G_062_062$_d$	0.5	0.625	0.0	0.625	0.625	0.312	101	0.51	0.625	0.0	60.8	−9.7	54.1	55.0	100.2	0.5	0.625	0.0	58.2	−6.1	51.8	52.1	96.8	5.0	99	0.816	1.0	0.0	82.6	−15.6	86.6	88.0	100.2
370	Y23G_062_050$_d$	0.5	0.625	0.125	0.625	0.5	0.375	104	0.508	0.625	0.125	61.7	−8.5	42.1	43.0	101.4	0.5	0.625	0.125	58.8	−5.8	42.5	42.9	97.8	3.9	102	0.766	1.0	0.0	81.2	−17.0	84.3	86.0	101.4
371	Y31G_062_037$_d$	0.5	0.625	0.25	0.625	0.375	0.437	109	0.506	0.625	0.25	62.2	−7.9	29.8	30.8	104.9	0.5	0.625	0.25	59.3	−4.8	32.3	32.7	98.5	4.9	108	0.683	1.0	0.0	77.8	−21.1	79.4	82.2	104.9
372	Y50G_062_025$_d$	0.5	0.625	0.375	0.625	0.25	0.5	120	0.5	0.625	0.375	62.6	−7.4	16.6	18.2	114.0	0.5	0.625	0.375	59.7	−3.4	22.2	22.4	98.7	7.4	119	0.5	1.0	0.0	70.6	−29.7	66.5	72.8	114.0
373	G00B_062_012$_d$	0.5	0.625	0.5	0.625	0.125	0.562	150	0.5	0.625	0.5	63.2	−8.1	3.7	8.9	155.5	0.5	0.625	0.5	60.6	−1.5	12.5	12.6	96.8	11.3	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
374	G50B_062_012$_d$	0.5	0.625	0.625	0.625	0.125	0.562	210	0.5	0.625	0.625	64.0	−3.1	−5.1	6.0	238.4	0.5	0.625	0.625	61.5	0.8	3.2	3.3	75.1	9.7	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
375	G75B_075_025$_d$	0.5	0.625	0.75	0.75	0.25	0.625	240	0.5	0.625	0.75	64.3	−0.3	−10.1	10.1	268.2	0.5	0.625	0.75	62.5	3.3	−5.3	6.2	301.9	6.3	240	0.0	0.5	1.0	41.7	−1.2	−40.6	40.6	268.2
376	G84B_087_037$_d$	0.5	0.625	0.875	0.875	0.375	0.687	251	0.5	0.618	0.875	64.0	3.7	−15.1	15.6	283.7	0.5	0.625	0.875	63.0	6.3	−13.2	14.7	295.4	3.3	251	0.0	0.316	1.0	35.2	9.9	−40.4	41.6	283.7
377	G88B_100_050$_d$	0.5	0.625	1.0	1.0	0.5	0.75	256	0.5	0.616	1.0	63.9	7.6	−20.1	21.5	290.8	0.5	0.625	1.0	63.6	9.5	−20.1	22.3	295.2	1.8	257	0.0	0.233	1.0	32.2	15.3	−40.3	43.1	290.8
378	Y31G_075_075$_d$	0.5	0.75	0.0	0.75	0.75	0.375	109	0.512	0.75	0.0	64.4	−15.8	59.6	61.6	104.9	0.5	0.75	0.0	62.5	−13.9	56.8	58.5	103.8	3.8	108	0.683	1.0	0.0	77.8	−21.1	79.4	82.2	104.9
379	Y38G_075_062$_d$	0.5	0.75	0.125	0.75	0.625	0.437	113	0.51	0.75	0.125	64.9	−15.3	46.9	49.4	108.0	0.5	0.75	0.125	63.2	−13.1	47.0	48.8	105.6	2.6	112	0.616	1.0	0.0	75.0	−24.4	75.1	79.0	108.0
380	Y50G_075_050$_d$	0.5	0.75	0.25	0.75	0.5	0.5	120	0.5	0.75	0.25	65.3	−14.8	33.2	36.4	114.0	0.5	0.75	0.25	63.2	−12.6	35.5	37.7	109.6	3.7	119	0.5	1.0	0.0	70.6	−29.7	66.5	72.8	114.0
381	Y68G_075_037$_d$	0.5	0.75	0.375	0.75	0.375	0.562	131	0.493	0.75	0.375	65.3	−15.5	19.9	25.3	127.8	0.5	0.75	0.375	63.8	−11.2	24.9	27.3	114.2	6.7	131	0.316	1.0	0.0	62.3	−41.4	53.2	67.5	127.8
382	G00B_075_025$_d$	0.5	0.75	0.5	0.75	0.25	0.625	150	0.5	0.75	0.5	66.4	−16.2	7.4	17.8	155.5	0.5	0.75	0.5	65.3	−8.8	14.7	17.1	120.9	10.4	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
383	G25B_075_025$_d$	0.5	0.75	0.625	0.75	0.25	0.625	180	0.5	0.75	0.625	67.1	−12.1	−2.0	12.3	189.3	0.5	0.75	0.625	66.0	−6.3	5.0	8.1	141.1	9.2	180	0.0	1.0	0.5	52.9	−48.6	−8.0	49.3	189.3
384	G50B_075_025$_d$	0.5	0.75	0.75	0.75	0.25	0.625	210	0.5	0.75	0.75	68.1	−6.3	−10.3	12.1	238.4	0.5	0.75	0.75	66.9	−3.4	−4.3	5.5	231.2	6.8	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
385	G65B_087_037$_d$	0.5	0.75	0.875	0.875	0.375	0.687	229	0.5	0.756	0.875	68.9	−4.6	−15.4	16.0	253.3	0.5	0.75	0.875	68.2	−1.2	−12.1	12.2	263.9	4.6	228	0.0	0.683	1.0	48.3	−12.2	−41.1	42.9	253.3
386	G75B_100_050$_d$	0.5	0.75	1.0	1.0	0.5	0.75	240	0.5	0.75	1.0	68.6	−0.6	−20.3	20.3	268.2	0.5	0.75	1.0	69.0	1.8	−19.7	19.8	275.2	2.5	240	0.0	0.5	1.0	41.7	−1.2	−40.6	40.6	268.2
387	Y41G_087_087$_d$	0.5	0.875	0.0	0.875	0.875	0.437	115	0.51	0.875	0.0	67.5	−22.8	63.6	67.6	109.7	0.5	0.875	0.0	67.4	−22.7	62.6	66.6	109.9	1.0	114	0.583	1.0	0.0	73.7	−26.1	72.7	77.2	109.7
388	Y50G_087_075$_d$	0.5	0.875	0.125	0.875	0.75	0.5	120	0.5	0.875	0.125	67.9	−22.2	49.8	54.6	114.0	0.5	0.875	0.125	67.5	−22.5	51.0	55.8	113.8	1.3	119	0.5	1.0	0.0	70.6	−29.7	66.5	72.8	114.0
389	Y61G_087_062$_d$	0.5	0.875	0.25	0.875	0.625	0.562	127	0.489	0.875	0.25	68.2	−22.0	36.7	42.8	120.9	0.5	0.875	0.25	67.7	−21.8	39.0	44.7	119.1	2.3	127	0.383	1.0	0.0	66.0	−35.2	58.8	68.6	120.9
390	Y76G_087_050$_d$	0.5	0.875	0.375	0.875	0.5	0.625	136	0.491	0.875	0.375	67.8	−24.1	22.9	33.2	136.5	0.5	0.875	0.375	68.8	−20.0	27.8	34.3	125.6	6.5	137	0.233	1.0	0.0	57.9	−48.3	45.8	66.5	136.5
391	G00B_087_037$_d$	0.5	0.875	0.5	0.875	0.375	0.687	150	0.5	0.875	0.5	69.6	−24.3	11.1	26.7	155.5	0.5	0.875	0.5	70.0	−17.4	16.9	24.3	135.7	9.1	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
392	G15B_087_037$_d$	0.5	0.875	0.625	0.875	0.375	0.687	169	0.5	0.875	0.618	70.2	−21.3	2.7	21.4	172.5	0.5	0.875	0.625	71.1	−14.7	6.9	16.3	154.7	7.8	168	0.0	1.0	0.316	51.6	−56.8	7.4	57.3	172.5
393	G34B_087_037$_d$	0.5	0.875	0.75	0.875	0.375	0.687	191	0.5	0.875	0.756	71.3	−14.8	−8.5	17.1	209.7	0.5	0.875	0.75	72.4	−11.6	−3.5	12.2	196.9	6.0	191	0.0	1.0	0.683	54.5	−39.7	−22.7	45.7	209.7
394	G50B_087_037$_d$	0.5	0.875	0.875	0.875	0.375	0.687	210	0.5	0.875	0.875	72.1	−9.5	−15.5	18.2	238.4	0.5	0.875	0.875	73.5	−8.9	−11.4	14.5	231.9	4.3	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
395	G61B_100_050$_d$	0.5	0.875	1.0	1.0	0.5	0.75	224	0.5	0.883	1.0	73.2	−8.1	−20.6	22.1	248.4	0.5	0.875	1.0	74.6	−6.0	−19.4	20.3	252.6	2.7	222	0.0	0.766	1.0	50.9	−16.2	−41.2	44.2	248.4
396	Y50G_100_100$_d$	0.5	1.0	0.0	1.0	1.0	0.5	120	0.5	1.0	0.0	70.6	−29.7	66.5	72.8	114.0	0.5	1.0	0.0	70.6	−29.7	66.5	72.8	114.0	0.0	119	0.5	1.0	0.0	70.6	−29.7	66.5	72.8	114.0
397	Y58G_100_087$_d$	0.5	1.0	0.125	1.0	0.875	0.562	125	0.489	1.0	0.125	70.8	−29.5	53.4	61.1	118.9	0.5	1.0	0.125	70.8	−29.2	54.6	61.9	118.1	1.1	125	0.416	1.0	0.0	67.3	−33.8	61.0	69.8	118.9
398	Y68G_100_075$_d$	0.5	1.0	0.25	1.0	0.75	0.625	131	0.487	1.0	0.25	70.6	−31.1	39.9	50.6	127.8	0.5	1.0	0.25	71.4	−28.0	42.3	50.8	123.5	3.9	131	0.316	1.0	0.0	62.3	−41.4	53.2	67.5	127.8
399	Y81G_100_062$_d$	0.5	1.0	0.375	1.0	0.625	0.687	139	0.489	1.0	0.375	71.1	−31.9	26.6	41.5	140.1	0.5	1.0	0.375	72.3	−26.4	31.2	40.9	130.3	7.2	140	0.183	1.0	0.0	56.4	−51.0	42.5	66.4	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	72.8	−32.5	14.8	35.7	155.5	0.5	1.0	0.5	73.9	−23.7	19.9	31.0	140.0	10.1	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
401	G11B_100_050$_d$	0.5	1.0	0.625	1.0	0.5	0.75	164	0.5	1.0	0.616	73.3	−29.7	6.9	30.5	166.8	0.5	1.0	0.625	75.1	−21.0	9.4	23.1	155.8	9.2	162	0.0	1.0	0.233	51.1	−59.5	13.9	61.1	166.8
402	G25B_100_050$_d$	0.5	1.0	0.75	1.0	0.5	0.75	180	0.5	1.0	0.75	74.3	−24.3	−4.0	24.6	189.3	0.5	1.0	0.75	76.3	−18.0	−1.1	18.1	183.7	7.1	180	0.0	1.0	0.5	52.9	−48.6	−8.0	49.3	189.3
403	G38B_100_050$_d$	0.5	1.0	0.875	1.0	0.5	0.75	196	0.5	1.0	0.883	75.3	−17.7	−14.2	22.7	218.7	0.5	1.0	0.875	77.5	−14.9	−10.4	18.2	215.0	5.1	197	0.0	1.0	0.766	55.1	−35.4	−28.4	45.4	218.7
404	G50B_100_050$_d$	0.5	1.0	1.0	1.0	0.5	0.75	210	0.5	1.0	1.0	76.2	−12.7	−20.7	24.3	238.4	0.5	1.0	1.0	78.7	−11.6	−18.3	21.7	237.6	3.6	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4

Mean color difference of this page: **delta *E**' = *6.8***

1-0032331-F0

QE370−7N, Page 24/33−F

TUB-test chart QE37; hue code: H^*_d=Y00G$_d$
colors and differences, $\Delta E^{*\prime}$

input: *rgb/cmyk* −> *rgb*$_d$
output: transfer to *cmy0*$_d$

see similar files: http://130.149.60.45/~farbmetrik/QE37/QE37.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

QE3700L

TUB registration: 20130201-QE37/QE37L0NA.TXT /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0 (CMY0)

http://130.149.60.45/~farbmetrik/QE37/QE37L0NA.TXT /.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}			$LabCh^*_{Fd}$					$rgb^{*\prime}_{Fd}$			$LabCh^{*\prime}_{Fd}$					$DE^{*\prime}_{Fd}$	$h_{siM,d}$	rgb^*_{Md}			$LabCh^*_{Md}$				
405	R00Y_062_062d	0.625	0.0	0.0	0.625	0.625	0.312	390	0.625	0.0	0.0	37.5	44.3	28.0	52.4	32.3	0.625	0.0	0.0	37.2	53.3	28.6	60.5	28.2	9.0	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
406	R31Y_062_062d	0.625	0.0	0.125	0.625	0.625	0.312	379	0.625	0.0	0.114	37.6	44.9	23.4	50.6	27.5	0.625	0.0	0.125	37.4	54.0	24.4	59.3	24.3	9.2	380	1.0	0.0	0.183	45.5	71.8	37.5	81.0	27.5
407	R11Y_062_062d	0.625	0.0	0.25	0.625	0.625	0.312	367	0.625	0.0	0.239	37.7	45.6	17.4	48.8	20.8	0.625	0.0	0.25	37.3	54.8	19.5	58.2	19.6	9.4	367	1.0	0.0	0.383	45.8	73.0	27.8	78.2	20.8
408	B69R_062_062d	0.625	0.0	0.375	0.625	0.625	0.312	353	0.625	0.0	0.385	37.8	47.2	9.5	48.1	11.4	0.625	0.0	0.375	37.4	56.1	13.0	57.6	13.0	9.5	352	1.0	0.0	0.616	46.0	75.5	15.2	77.1	11.4
409	B59R_062_062d	0.625	0.0	0.5	0.625	0.625	0.312	341	0.625	0.0	0.51	37.8	48.6	3.9	48.7	4.6	0.625	0.0	0.5	37.4	57.9	6.5	58.2	6.4	9.6	339	1.0	0.0	0.816	45.9	77.7	6.2	78.0	4.6
410	B50R_062_062d	0.625	0.0	0.625	0.625	0.625	0.312	330	0.625	0.0	0.625	37.9	49.5	−0.1	49.5	359.8	0.625	0.0	0.625	37.4	59.3	1.1	59.3	1.0	9.8	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
411	B42R_075_075d	0.625	0.0	0.75	0.75	0.75	0.375	321	0.637	0.0	0.75	38.9	55.7	−4.4	55.9	355.4	0.625	0.0	0.75	37.9	61.6	−4.2	61.8	356.0	5.9	322	0.85	0.0	1.0	43.7	74.3	−5.9	74.6	355.4
412	B36R_087_087d	0.625	0.0	0.875	0.875	0.875	0.437	314	0.641	0.0	0.875	39.2	61.5	−8.7	62.1	351.9	0.625	0.0	0.875	38.3	64.0	−9.1	64.6	351.8	2.6	315	0.733	0.0	1.0	41.3	70.3	−9.9	71.0	351.9
413	B31R_100_100d	0.625	0.0	1.0	1.0	1.0	0.5	308	0.633	0.0	1.0	38.3	65.8	−13.7	67.2	348.2	0.625	0.0	1.0	38.1	65.4	−14.0	66.9	347.9	0.5	308	0.633	0.0	1.0	38.3	65.8	−13.7	67.2	348.2
414	R18Y_062_062d	0.625	0.125	0.0	0.625	0.625	0.312	41	0.625	0.114	0.0	41.1	36.1	32.8	48.8	42.2	0.625	0.125	0.0	40.5	45.1	32.7	55.7	35.9	9.0	39	1.0	0.183	0.0	51.1	57.8	52.5	78.1	42.2
415	R00Y_062_050d	0.625	0.125	0.125	0.625	0.5	0.375	390	0.625	0.125	0.125	43.8	35.4	22.4	41.9	32.3	0.625	0.125	0.125	41.0	44.9	28.0	53.0	31.9	11.3	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
416	R26Y_062_050d	0.625	0.125	0.25	0.625	0.5	0.375	376	0.625	0.125	0.241	43.9	36.0	17.6	40.1	26.1	0.625	0.125	0.25	41.0	45.8	22.3	51.0	25.9	11.2	377	1.0	0.0	0.233	45.6	72.1	35.3	80.3	26.1
417	R00Y_062_050d	0.625	0.125	0.375	0.625	0.5	0.375	360	0.625	0.125	0.375	44.0	37.1	10.5	38.5	15.9	0.625	0.125	0.375	41.1	47.2	15.5	49.7	18.2	11.6	360	1.0	0.0	0.5	45.9	74.2	21.1	77.1	15.9
418	B61R_062_050d	0.625	0.125	0.5	0.625	0.5	0.375	344	0.625	0.125	0.508	44.0	38.6	4.0	38.8	5.9	0.625	0.125	0.5	41.4	48.6	7.7	49.3	9.0	11.0	342	1.0	0.0	0.766	45.9	77.3	8.0	77.7	5.9
419	B50R_062_050d	0.625	0.125	0.625	0.625	0.5	0.375	330	0.625	0.125	0.625	44.1	39.6	−0.1	39.6	359.8	0.625	0.125	0.625	41.7	50.4	1.6	50.4	1.8	11.1	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
420	B40R_075_062d	0.625	0.125	0.75	0.75	0.625	0.437	319	0.635	0.125	0.75	44.9	45.8	−4.4	46.0	354.4	0.625	0.125	0.75	42.7	52.1	−4.3	52.3	355.2	6.7	320	0.816	0.0	1.0	43.1	73.2	−7.0	73.6	354.4
421	B34R_087_075d	0.625	0.125	0.875	0.875	0.75	0.5	311	0.637	0.125	0.875	44.8	51.0	−8.9	51.8	350.0	0.625	0.125	0.875	42.7	54.6	−10.3	55.5	349.2	4.3	311	0.683	0.0	1.0	39.8	68.1	−11.9	69.1	350.0
422	B29R_100_087d	0.625	0.125	1.0	1.0	0.875	0.562	305	0.635	0.125	1.0	44.5	55.3	−14.3	57.1	345.4	0.625	0.125	1.0	43.0	56.2	−15.1	58.2	344.9	1.9	305	0.583	0.0	1.0	37.2	63.2	−16.4	65.3	345.4
423	R38Y_062_062d	0.625	0.25	0.0	0.625	0.625	0.312	53	0.625	0.239	0.0	46.3	24.7	39.1	46.2	57.6	0.625	0.25	0.0	45.1	34.1	38.7	51.6	48.5	9.5	52	1.0	0.383	0.0	59.5	39.5	62.5	74.0	57.6
424	R23Y_062_050d	0.625	0.25	0.125	0.625	0.5	0.375	44	0.625	0.241	0.125	47.6	26.7	27.4	38.2	45.7	0.625	0.25	0.125	45.7	34.0	33.2	47.6	44.3	9.6	42	1.0	0.233	0.0	53.0	53.4	54.8	76.5	45.7
425	R00Y_062_037d	0.625	0.25	0.25	0.625	0.375	0.437	390	0.625	0.25	0.25	50.1	26.6	16.8	31.4	32.3	0.625	0.25	0.25	46.1	34.0	26.2	43.0	37.6	12.6	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
426	R18Y_062_037d	0.625	0.25	0.375	0.625	0.375	0.437	371	0.625	0.25	0.368	50.2	27.2	11.7	29.6	23.2	0.625	0.25	0.375	46.5	35.2	19.1	40.1	28.4	11.4	371	1.0	0.0	0.316	45.7	72.6	31.2	79.1	23.2
427	B65R_062_037d	0.625	0.25	0.5	0.625	0.375	0.437	349	0.625	0.25	0.506	50.2	28.6	4.4	29.0	8.9	0.625	0.25	0.5	46.9	37.0	10.1	38.4	15.3	10.6	348	1.0	0.0	0.683	45.9	76.4	11.9	77.3	8.9
428	B50R_062_037d	0.625	0.25	0.625	0.625	0.375	0.437	330	0.625	0.25	0.625	50.3	29.7	0.0	29.7	359.8	0.625	0.25	0.625	47.5	38.1	3.1	38.3	4.7	9.4	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
429	B38R_075_050d	0.625	0.25	0.75	0.75	0.5	0.5	316	0.633	0.25	0.75	51.0	35.8	−4.3	36.0	353.0	0.625	0.25	0.75	48.6	39.4	−3.6	39.6	354.7	4.4	317	0.766	0.0	1.0	42.1	71.6	−8.7	72.1	353.0
430	B30R_087_062d	0.625	0.25	0.875	0.875	0.625	0.562	307	0.635	0.25	0.875	50.6	40.6	−9.0	41.6	347.4	0.625	0.25	0.875	49.0	42.1	−9.7	43.2	346.9	2.2	307	0.616	0.0	1.0	37.9	65.0	−14.5	66.6	347.4
431	B25R_100_075d	0.625	0.25	1.0	1.0	0.75	0.625	300	0.625	0.25	1.0	50.6	43.9	−15.5	46.6	340.5	0.625	0.25	1.0	49.1	43.7	−15.5	46.4	340.3	1.5	300	0.5	0.0	1.0	35.6	58.6	−20.7	62.1	340.5
432	R61Y_062_062d	0.625	0.375	0.0	0.625	0.625	0.312	67	0.625	0.385	0.0	53.9	10.2	47.9	49.0	77.8	0.625	0.375	0.0	50.8	21.2	46.0	50.6	65.2	11.5	67	1.0	0.616	0.0	71.6	16.4	76.6	78.4	77.8
433	R50Y_062_050d	0.625	0.375	0.125	0.625	0.5	0.375	60	0.625	0.375	0.125	53.5	14.4	34.3	37.2	67.1	0.625	0.375	0.125	50.7	22.7	38.2	44.5	59.2	9.5	59	1.0	0.5	0.0	64.9	28.9	68.6	74.5	67.1
434	R31Y_062_037d	0.625	0.375	0.25	0.625	0.375	0.437	49	0.625	0.368	0.25	54.2	17.1	22.2	28.1	52.2	0.625	0.375	0.25	50.9	23.8	30.0	38.3	51.5	10.8	48	1.0	0.316	0.0	56.6	45.8	59.2	74.9	52.2
435	R00Y_062_025d	0.625	0.375	0.375	0.625	0.25	0.5	390	0.625	0.375	0.375	56.3	17.7	11.2	20.9	32.3	0.625	0.375	0.375	51.6	24.4	22.1	33.0	42.1	13.7	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
436	R00Y_062_025d	0.625	0.375	0.5	0.625	0.25	0.5	360	0.625	0.375	0.5	56.4	18.5	5.2	19.2	15.9	0.625	0.375	0.5	52.0	26.1	13.2	29.2	26.9	11.8	360	1.0	0.0	0.5	45.9	74.2	21.1	77.1	15.9
437	B50R_062_025d	0.625	0.375	0.625	0.625	0.25	0.5	330	0.625	0.375	0.625	56.5	19.8	0.0	19.8	359.8	0.625	0.375	0.625	52.6	27.8	4.7	28.2	9.6	10.1	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
438	B34R_075_037d	0.625	0.375	0.75	0.75	0.375	0.562	311	0.631	0.375	0.75	56.8	25.5	−4.4	25.9	350.0	0.625	0.375	0.75	53.8	29.6	−2.9	29.8	354.2	5.3	311	0.683	0.0	1.0	39.8	68.1	−11.9	69.1	350.0
439	B25R_087_050d	0.625	0.375	0.875	0.875	0.5	0.625	300	0.625	0.375	0.875	56.7	29.3	−10.3	31.0	340.5	0.625	0.375	0.875	54.2	31.4	−9.8	32.9	342.6	3.3	300	0.5	0.0	1.0	35.6	58.6	−20.7	62.1	340.5
440	B19R_100_062d	0.625	0.375	1.0	1.0	0.625	0.687	293	0.614	0.375	1.0	56.4	32.7	−16.0	36.4	333.8	0.625	0.375	1.0	54.3	32.9	−16.3	36.8	333.5	2.1	292	0.383	0.0	1.0	32.9	52.3	−25.7	58.3	333.8
441	R81Y_062_062d	0.625	0.5	0.0	0.625	0.625	0.312	79	0.625	0.51	0.0	59.7	0.5	54.6	54.6	89.4	0.625	0.5	0.0	55.7	11.1	52.4	53.6	77.9	11.5	80	1.0	0.816	0.0	80.8	0.8	87.3	87.3	89.4
442	R76Y_062_050d	0.625	0.5	0.125	0.625	0.5	0.375	76	0.625	0.508	0.125	60.4	2.1	42.3	42.4	87.0	0.625	0.5	0.125	56.2	11.5	43.8	45.3	75.3	10.3	77	1.0	0.766	0.0	78.6	4.3	84.7	84.8	87.0
443	R68Y_062_037d	0.625	0.5	0.25	0.625	0.375	0.437	71	0.625	0.506	0.25	61.1	4.1	30.1	30.4	82.1	0.625	0.5	0.25	56.7	12.5	34.7	36.9	70.0	10.5	71	1.0	0.683	0.0	74.8	11.0	80.4	81.1	82.1
444	R50Y_062_025d	0.625	0.5	0.375	0.625	0.25	0.5	60	0.625	0.5	0.375	61.2	7.2	17.1	18.6	67.1	0.625	0.5	0.375	57.0	14.3	25.0	28.8	60.2	11.4	59	1.0	0.5	0.0	64.9	28.9	68.6	74.5	67.1
445	R00Y_062_012d	0.625	0.5	0.5	0.625	0.125	0.562	390	0.625	0.5	0.5	62.6	8.8	5.6	10.4	32.3	0.625	0.5	0.5	57.5	16.1	15.5	22.3	44.0	13.3	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
446	B50R_062_012d	0.625	0.5	0.625	0.625	0.125	0.562	330	0.625	0.5	0.625	62.7	9.9	0.0	9.9	359.8	0.625	0.5	0.625	58.3	18.1	6.5	19.3	19.8	11.4	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
447	B25R_075_025d	0.625	0.5	0.75	0.75	0.25	0.625	300	0.625	0.5	0.75	62.8	14.6	−5.1	15.5	340.5	0.625	0.5	0.75	58.9	19.9	−1.9	19.9	354.3	7.2	300	0.5	0.0	1.0	35.6	58.6	−20.7	62.1	340.5
448	B15R_087_037d	0.625	0.5	0.875	0.875	0.375	0.687	289	0.618	0.5	0.875	62.4	17.7	−11.0	20.9	328.1	0.625	0.5	0.875	59.3	21.8	−9.6	23.8	336.0	5.3	288	0.316	0.0	1.0	30.9	47.3	−29.4	55.7	328.1
449	B11R_100_050d	0.625	0.5	1.0	1.0	0.5	0.75	284	0.616	0.5	1.0	62.1	20.6	−16.5	26.4	321.1	0.625	0.5	1.0	59.7	24.4	−16.2	29.3	326.2	4.5	282	0.233	0.0	1.0	28.7	41.2	−33.1	52.9	321.1
450	Y00G_062_062d	0.625	0.625	0.0	0.625	0.625	0.312	90	0.625	0.625	0.0	64.0	−6.3	59.6	60.0	96.1	0.625	0.625	0.0	61.0	0.3	58.3	58.3	89.6	7.4	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
451	Y00G_062_050d	0.625	0.625	0.125	0.625	0.5	0.375	90	0.625	0.625	0.125	65.0	−5.1	47.7	48.0	96.1	0.625	0.625	0.125	61.5	0.9	49.3	49.3	88.9	7.1	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
452	Y00G_062_037d	0.625	0.625	0.25	0.625	0.375	0.437	90	0.625	0.625	0.25	65.9	−3.8	35.8	36.0	96.1	0.625	0.625	0.25	62.1	1.8	39.4	39.4	87.3	7.7	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
453	Y00G_062_025d	0.625	0.625	0.375	0.625	0.25	0.5	90	0.625	0.625	0.375	66.9	−2.5	23.8	24.0	96.1	0.625	0.625	0.375	62.8	3.0	29.4	29.5	84.0	8.9	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
454	Y00G_062_012d	0.625	0.625	0.5	0.625	0.125	0.562	90	0.625	0.625	0.5	67.9	−1.2	11.9	12.0	96.1	0.625	0.625	0.5	63.6	4.5	18.8	19.3	76.3	10.0	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
455	NW_062d	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.9	0.0	0.0	0.0	0.0	0.625	0.625	0.625	64.6	6.7	9.1	11.3	53.7	12.1	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
456	B00R_075_012d	0.625	0.625	0.75	0.75	0.125	0.687	270	0.625	0.625	0.75	68.9	3.6	−5.0	6.2	306.2	0.625	0.625	0.75	65.5	8.9	0.0	8.9	359.4	7.9	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
457	B00R_087_025d	0.625	0.625	0.875	0.875	0.25	0.75	270	0.625	0.625	0.875	69.0	7.3	−10.1	12.5	306.2	0.625	0.625	0.875	66.1	11.3	−8.3	14.0	323.7	5.2	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
458	B00R_100_037d	0.625	0.625	1.0	1.0	0.375	0.812	270	0.625	0.625	1.0	69.1	11.0	−15.1	18.7	306.2	0.625	0.625	1.0	67.2	13.7	−15.4	20.6	311.6	3.2	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
459	Y15G_075_075d	0.625	0.75	0.0	0.75	0.75	0.375	99	0.637	0.75	0.0	68.8	−11.0	66.1	67.0	99.4	0.625	0.75	0.0	65.8	−7.1	64.5	64.9	96.3	5.0	97	0.85	1.0	0.0	83.6	−14.6	88.1	89.3	99.4
460	Y18G_075_062d	0.625	0.75	0.125	0.75	0.625	0.437	101	0.635	0.75	0.125	69.7	−9.7	54.1	55.0	100.2	0.625	0.75	0.125	66.7	−6.8	54.8	55.2	97.1	4.2	99	0.816	1.0	0.0	82.6	−15.6	86.6	88.0	100.2
461	Y23G_075_050d	0.625	0.75	0.25	0.75	0.5	0.5	104	0.633	0.75	0.25	70.6	−8.5	42.1	43.0	101.4	0.625	0.75	0.25	66.9	−6.0	43.6	44.0	97.9	4.6	102	0.766	1.0	0.0	81.2	−17.0	84.3	86.0	101.4
462	Y31G_075_037d	0.625	0.75	0.375	0.75	0.375	0.562	109	0.631	0.75	0.375	71.1	−7.9	29.8	30.8	104.9	0.625	0.75	0.375	67.8	−4.8	32.8	33.2	98.3	5.4	108	0.683	1.0	0.0	77.8	−21.1	79.4	82.2	104.9
463	Y50G_075_025d	0.625	0.75	0.5	0.75	0.25	0.625	120	0.625	0.75	0.5	71.5	−7.4	16.6	18.2	114.0	0.625	0.75	0.5	68.7	−3.5	21.4	21.7	99.4	6.7	119	0.5	1.0	0.0	70.6	−29.7	66.5	72.8	114.0
464	G00B_075_012d	0.625	0.75	0.625	0.75	0.125	0.687	150	0.625	0.75	0.625	72.1	−8.1	3.7	8.9	155.5	0.625	0.75	0.625	69.6	−1.3	11.0	11.1	97.0	10.2	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
465	G50B_075_012d	0.625	0.75	0.75	0.75	0.125	0.687	210	0.625	0.75	0.75	72.9	−3.1	−5.1	6.0	238.4	0.625	0.75	0.75	70.5	1.1	1.2	1.7	46.7	8.1	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
466	G75B_087_025d	0.625	0.75	0.875	0.875	0.25	0.75	240	0.625	0.75	0.875	73.2	−0.3	−10.1	10.1	268.2	0.625	0.75	0.875	71.7	3.5	−7.2	8.0	296.3	5.1	240	0.0	0.5	1.0	41.7	−1.2	−40.6	40.6	268.2
467	G84B_100_037d	0.625	0.75	1.0	1.0	0.375	0.812	251	0.625	0.743	1.0	72.9	3.7	−15.1	15.6	283.7	0.625	0.75	1.0	72.4	6.6	−14.8	16.2	294.1	2.9	251	0.0	0.316	1.0	35.2	9.9	−40.4	41.6	283.7
468	Y26G_087_087d	0.625	0.875	0.0	0.875	0.875	0.437	106	0.641	0.875	0.0	73.0	−16.1	72.2	74.0	102.6	0.625	0.875	0.0	71.6	−16.6	71.3	73.2	103.1	1.7	104	0.733	1.0	0.0	80.0	−18.4	82.5	84.6	102.6
469	Y31G_087_075d	0.625	0.875	0.125	0.875	0.75	0.5	109	0.637	0.875	0.125	73.4	−15.8	59.6	61.6	104.9	0.625	0.875	0.125	72.2	−16.3	60.1	62.3	105.2	1.3	108	0.683	1.0	0.0	77.8	−21.1	79.4	82.2	104.9
470	Y38G_087_062d	0.625	0.875	0.25	0.875	0.625	0.562	113	0.635	0.875	0.25	73.8	−15.3	46.9	49.4	108.0	0.625	0.875	0.25	72.8	−15.2	48.4	50.7	107.4	1.7	112	0.616	1.0	0.0	75.0	−24.4	75.1	79.0	108.0
471	Y50G_087_050d	0.625	0.875	0.375	0.875	0.5	0.625	120	0.625	0.875	0.375	74.2	−14.8	33.2	36.4	114.0	0.625	0.875	0.375	73.4	−14.4	36.3	39.1	111.6	3.2	119	0.5	1.0	0.0	70.6	−29.7	66.5	72.8	114.0
472	Y68G_087_037d	0.625	0.875	0.5	0.875	0.375	0.687	131	0.618	0.875	0.5	74.2	−15.5	19.9	25.3	127.8	0.625	0.875	0.5	74.0	−12.9	23.6	26.9	118.6	4.5	131	0.316	1.0	0.0	62.3	−41.4	53.2	67.5	127.8
473	G00B_087_025d	0.625	0.875	0.625	0.875	0.25	0.75	150	0.625	0.875	0.625	75.3	−16.2	7.4	17.8	155.5	0.625	0.875	0.625	75.4	−10.2	13.2	16.7	127.7	8.3	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
474	G25B_087_025d	0.625	0.875	0.75	0.875	0.25	0.75	180	0.625	0.875	0.75	76.0	−12.1	−2.0	12.3	189.3	0.625	0.875	0.75	76.6	−7.7	3.0	8.3	158.4	6.7	180	0.0	1.0	0.5	52.9	−48.6	−8.0	49.3	189.3
475	G50B_087_025d	0.625	0.875	0.875	0.875	0.25	0.75	210	0.625	0.875	0.875	77.0	−6.3	−10.3	12.1	238.4	0.625	0.875	0.875	77.4	−5.1	−6.1	8.0	229.9	4.4	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
476	G65B_100_037d	0.625	0.875	1.0	1.0	0.375	0.812	229	0.625	0.881	1.0	77.9	−4.6	−15.4	16.0	253.3	0.625	0.875	1.0	78.8	−2.5	−14.4	14.6	260.1	2.4	228	0.0	0.683	1.0	48.3	−12.2	−41.1	42.9	253.3
477	Y36G_100_100d	0.625	1.0	0.0	1.0	1.0	0.5	112	0.633	1.0	0.0	75.6	−23.6	76.2	79.8	107.2	0.625	1.0	0.0	75.3	−24.0	75.7	79.4	107.6	0.7	111	0.633	1.0	0.0	75.6	−23.6	76.2	79.8	107.2
478	Y41G_100_087d	0.625	1.0	0.125	1.0	0.875	0.562	115	0.635	1.0	0.125	76.4	−22.8	63.6	67.6	109.7	0.625	1.0	0.125	76.3	−23.2	64.8	68.8	109.7	1.2	114	0.583	1.0	0.0	73.7	−26.1	72.7	77.2	109.7
479	Y50G_100_075d	0.625	1.0	0.25	1.0	0.75	0.625	120	0.625	1.0	0.25	76.8	−22.2	49.8	54.6	114.0	0.625	1.0	0.25	76.4	−22.8	51.6	56.4	113.8	1.8	119	0.5	1.0	0.0	70.6	−29.7	66.5	72.8	114.0
480	Y61G_100_062d	0.625	1.0	0.375	1.0	0.625	0.687	127	0.614	1.0	0.375	77.1	−22.0	36.7	42.8	120.9	0.625	1.0	0.375	76.9	−22.0	39.0	44.8	119.4	2.2	127	0.383	1.0	0.0	66.0	−35.2	58.8	68.6	120.9
481	Y76G_100_050d	0.625	1.0	0.5	1.0	0.5	0.75	136	0.616	1.0	0.5	76.7	−24.1	22.9	33.2	136.5	0.625	1.0	0.5	78.3	−19.8	26.6	33.2	126.6	5.9	137	0.233	1.0	0.0	57.9	−48.3	45.8	66.5	136.5
482	G00B_100_037d	0.625	1.0	0.625	1.0	0.375	0.812	150	0.625	1.0	0.625	78.5	−24.3	11.1	26.7	155.5	0.625	1.0	0.625	79.8	−17.2	15.4	23.1	138.0	8.4	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
483	G15B_100_037d	0.625	1.0	0.75	1.0	0.375	0.812	169	0.625	1.0	0.743	79.1	−21.3	2.7	21.4	172.5	0.625	1.0	0.75	80.8	−14.8	5.1	15.6	160.6	7.1	168	0.0	1.0	0.316	51.6	−56.8	7.4	57.3	172.5
484	G34B_100_037d	0.625	1.0	0.875	1.0	0.375	0.812	191	0.625	1.0	0.881	80.2	−14.8	−8.5	17.1	209.7	0.625	1.0	0.875	82.0	−11.7	−5.1	12.8	203.5	4.9	191	0.0	1.0	0.683	54.5	−39.7	−22.7	45.7	209.7
485	G50B_100_037d	0.625	1.0	1.0	1.0	0.375	0.812	210	0.625	1.0	1.0	81.0	−9.5	−15.5	18.2	238.4	0.625	1.0	1.0	83.0	−8.7	−13.5	16.1	237.2	2.9	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4

Mean color difference of this page: **delta $E^{*\prime}$ = 7.0**

1−0032431−F0

QE370−7N, Page 25/33−F

TUB-test chart QE37; hue code: H^*_d=Y00G$_d$
colors and differences, $\Delta E^{*\prime}$

input: *rgb/cmyk* −> *rgb*$_d$
output: transfer to *cmy0*$_d$

see similar files: http://130.149.60.45/~farbmetrik/QE37/QE37.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

1−0032431−F0

http://130.149.60.45/~farbmetrik/QE37/QE37L0NA.TXT /.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	40.2	53.2	33.6	62.9	32.3	0.75	0.0	0.0	40.7	59.2	36.3	69.4	31.5	6.6	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
487	R35Y_075_075$_d$	0.75	0.0	0.125	0.75	0.75	0.375	381	0.75	0.0	0.112	40.2	53.7	29.2	61.1	28.5	0.75	0.0	0.125	40.6	60.2	31.6	68.0	27.7	6.9	382	1.0	0.0	0.15	45.5	71.6	39.0	81.5	28.5
488	R18Y_075_075$_d$	0.75	0.0	0.25	0.75	0.75	0.375	371	0.75	0.0	0.237	40.4	54.5	23.4	59.3	23.2	0.75	0.0	0.25	40.9	61.1	25.5	66.2	22.6	6.9	371	1.0	0.0	0.316	45.7	72.6	31.2	79.1	23.2
489	R00Y_075_075$_d$	0.75	0.0	0.375	0.75	0.75	0.375	360	0.75	0.0	0.375	40.5	55.6	15.8	57.8	15.9	0.75	0.0	0.375	41.0	62.2	19.2	65.1	17.1	7.4	360	1.0	0.0	0.5	45.9	74.2	21.1	77.1	15.9
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	57.3	8.9	58.0	8.9	0.75	0.0	0.5	40.9	64.0	11.4	65.1	10.1	7.2	348	1.0	0.0	0.683	45.9	76.4	11.9	77.3	8.9
491	B57R_075_075$_d$	0.75	0.0	0.625	0.75	0.75	0.375	339	0.75	0.0	0.637	40.5	58.5	3.7	58.6	3.7	0.75	0.0	0.625	41.1	65.4	5.1	65.6	4.4	7.0	337	1.0	0.0	0.85	45.9	78.0	5.0	78.2	3.7
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	59.4	−0.1	59.4	359.8	0.75	0.0	0.75	41.1	66.9	0.0	66.9	0.0	7.4	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
493	B43R_087_087$_d$	0.75	0.0	0.875	0.875	0.875	0.437	322	0.758	0.0	0.875	41.6	65.5	−4.6	65.7	355.9	0.75	0.0	0.875	41.4	69.0	−4.7	69.2	356.0	3.4	322	0.866	0.0	1.0	44.0	74.9	−5.3	75.1	355.9
494	B38R_100_100$_d$	0.75	0.0	1.0	1.0	1.0	0.5	316	0.766	0.0	1.0	42.1	71.6	−8.7	72.1	353.0	0.75	0.0	1.0	41.8	71.0	−9.2	71.6	352.5	0.8	317	0.766	0.0	1.0	42.1	71.6	−8.7	72.1	353.0
495	R15Y_075_075$_d$	0.75	0.125	0.0	0.75	0.75	0.375	39	0.75	0.112	0.0	43.4	45.5	38.0	59.3	39.9	0.75	0.125	0.0	43.9	51.3	40.0	65.1	37.8	6.1	37	1.0	0.15	0.0	49.8	60.7	50.7	79.1	39.9
496	R00Y_075_062$_d$	0.75	0.125	0.125	0.75	0.625	0.437	390	0.75	0.125	0.125	46.4	44.3	28.0	52.4	32.3	0.75	0.125	0.125	44.5	50.6	34.5	61.3	34.3	9.2	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
497	R31Y_075_062$_d$	0.75	0.125	0.25	0.75	0.625	0.437	379	0.75	0.125	0.239	46.5	44.9	23.4	50.6	27.5	0.75	0.125	0.25	44.8	51.4	28.4	58.8	28.9	8.3	380	1.0	0.0	0.183	45.5	71.8	37.5	81.0	27.5
498	R11Y_075_062$_d$	0.75	0.125	0.375	0.75	0.625	0.437	367	0.75	0.125	0.364	46.6	45.6	17.4	48.8	20.8	0.75	0.125	0.375	45.0	52.4	21.2	56.5	22.0	7.9	367	1.0	0.0	0.383	45.8	73.0	27.8	78.2	20.8
499	B69R_075_062$_d$	0.75	0.125	0.5	0.75	0.625	0.437	353	0.75	0.125	0.51	46.8	47.2	9.5	48.1	11.4	0.75	0.125	0.5	45.4	54.0	12.4	55.4	12.9	7.5	352	1.0	0.0	0.616	46.0	75.5	15.2	77.1	11.4
500	B59R_075_062$_d$	0.75	0.125	0.625	0.75	0.625	0.437	341	0.75	0.125	0.635	46.7	48.6	3.9	48.7	4.6	0.75	0.125	0.625	45.8	55.0	5.5	55.3	5.7	6.6	339	1.0	0.0	0.816	45.9	77.7	6.2	78.0	4.6
501	B50R_075_062$_d$	0.75	0.125	0.75	0.75	0.625	0.437	330	0.75	0.125	0.75	46.8	49.5	−0.1	49.5	359.8	0.75	0.125	0.75	45.9	56.5	−0.2	56.5	359.7	7.0	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
502	B42R_087_075$_d$	0.75	0.125	0.875	0.875	0.75	0.5	321	0.762	0.125	0.875	47.8	55.7	−4.4	55.9	355.4	0.75	0.125	0.875	46.6	58.6	−5.6	58.9	354.5	3.3	322	0.85	0.0	1.0	43.7	74.3	−5.9	74.6	355.4
503	B36R_100_087$_d$	0.75	0.125	1.0	1.0	0.875	0.562	314	0.766	0.125	1.0	48.1	61.5	−8.7	62.1	351.9	0.75	0.125	1.0	47.0	60.4	−10.4	61.3	350.2	2.2	315	0.733	0.0	1.0	41.3	70.3	−9.9	71.0	351.9
504	R31Y_075_075$_d$	0.75	0.25	0.0	0.75	0.75	0.375	49	0.75	0.237	0.0	48.5	34.3	44.4	56.2	52.2	0.75	0.25	0.0	48.9	39.7	46.7	61.3	49.6	5.8	48	1.0	0.316	0.0	56.6	45.8	59.2	74.9	52.2
505	R18Y_075_062$_d$	0.75	0.25	0.125	0.75	0.625	0.437	41	0.75	0.239	0.125	50.0	36.1	32.8	48.8	42.2	0.75	0.25	0.125	49.3	39.8	39.4	56.1	44.7	7.6	39	1.0	0.183	0.0	51.1	57.8	52.5	78.1	42.2
506	R00Y_075_050$_d$	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.25	52.7	35.4	22.4	41.9	32.3	0.75	0.25	0.25	50.4	39.4	31.9	50.7	38.9	10.5	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
507	R26Y_075_050$_d$	0.75	0.25	0.375	0.75	0.5	0.5	376	0.75	0.25	0.366	52.8	36.0	17.6	40.1	26.1	0.75	0.25	0.375	51.0	39.9	24.4	46.8	31.4	8.0	377	1.0	0.0	0.233	45.6	72.1	35.3	80.3	26.1
508	R00Y_075_050$_d$	0.75	0.25	0.5	0.75	0.5	0.5	360	0.75	0.25	0.5	52.9	37.1	10.5	38.5	15.9	0.75	0.25	0.5	51.3	41.4	15.2	44.1	20.2	6.5	360	1.0	0.0	0.5	45.9	74.2	21.1	77.1	15.9
509	B61R_075_050$_d$	0.75	0.25	0.625	0.75	0.5	0.5	344	0.75	0.25	0.633	52.9	38.6	4.0	38.8	5.9	0.75	0.25	0.625	52.0	42.7	7.1	43.3	9.4	5.1	342	1.0	0.0	0.766	45.9	77.3	8.0	77.7	5.9
510	B50R_075_050$_d$	0.75	0.25	0.75	0.75	0.5	0.5	330	0.75	0.25	0.75	53.0	39.6	−0.1	39.6	359.8	0.75	0.25	0.75	52.4	44.4	0.5	44.4	0.6	4.8	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
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	45.8	−4.4	46.0	354.4	0.75	0.25	0.875	53.4	46.0	−5.4	46.3	353.2	1.1	320	0.816	0.0	1.0	43.1	73.2	−7.0	73.6	354.4
512	B34R_100_075$_d$	0.75	0.25	1.0	1.0	0.75	0.625	311	0.762	0.25	1.0	53.7	51.0	−8.9	51.8	350.0	0.75	0.25	1.0	53.7	47.7	−10.9	48.9	347.1	3.9	311	0.683	0.0	1.0	39.8	68.1	−11.9	69.1	350.0
513	R50Y_075_075$_d$	0.75	0.375	0.0	0.75	0.75	0.375	60	0.75	0.375	0.0	54.7	21.6	51.5	55.9	67.1	0.75	0.375	0.0	54.3	28.1	53.1	60.1	62.1	6.6	59	1.0	0.5	0.0	64.9	28.9	68.6	74.5	67.1
514	R38Y_075_062$_d$	0.75	0.375	0.125	0.75	0.625	0.437	53	0.75	0.364	0.125	55.2	24.7	39.1	46.2	57.6	0.75	0.375	0.125	54.7	28.8	44.2	52.8	56.8	6.6	52	1.0	0.383	0.0	59.5	39.5	62.5	74.0	57.6
515	R23Y_075_050$_d$	0.75	0.375	0.25	0.75	0.5	0.5	44	0.75	0.366	0.25	56.5	26.7	27.4	38.2	45.7	0.75	0.375	0.25	55.2	29.4	35.2	45.9	50.0	8.3	42	1.0	0.233	0.0	53.0	53.4	54.8	76.5	45.7
516	R00Y_075_037$_d$	0.75	0.375	0.375	0.75	0.375	0.562	390	0.75	0.375	0.375	59.0	26.6	16.8	31.4	32.3	0.75	0.375	0.375	56.5	29.0	26.5	39.3	42.3	10.3	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
517	R18Y_075_037$_d$	0.75	0.375	0.5	0.75	0.375	0.562	371	0.75	0.375	0.493	59.1	27.2	11.7	29.6	23.2	0.75	0.375	0.5	56.9	30.5	18.0	35.4	30.6	7.4	371	1.0	0.0	0.316	45.7	72.6	31.2	79.1	23.2
518	B65R_075_037$_d$	0.75	0.375	0.625	0.75	0.375	0.562	349	0.75	0.375	0.631	59.1	28.6	4.4	29.0	8.9	0.75	0.375	0.625	57.9	31.7	8.4	32.8	14.8	5.1	348	1.0	0.0	0.683	45.9	76.4	11.9	77.3	8.9
519	B50R_075_037$_d$	0.75	0.375	0.75	0.75	0.375	0.562	330	0.75	0.375	0.75	59.2	29.7	0.0	29.7	359.8	0.75	0.375	0.75	58.3	33.3	1.5	33.4	2.6	4.1	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
520	B38R_087_050$_d$	0.75	0.375	0.875	0.875	0.5	0.625	316	0.758	0.375	0.875	59.9	35.8	−4.3	36.0	353.0	0.75	0.375	0.875	59.1	35.6	−4.8	35.9	352.3	0.9	317	0.766	0.0	1.0	42.1	71.6	−8.7	72.1	353.0
521	B30R_100_062$_d$	0.75	0.375	1.0	1.0	0.625	0.687	307	0.76	0.375	1.0	59.5	40.6	−9.0	41.6	347.4	0.75	0.375	1.0	59.9	36.8	−10.8	38.4	343.5	4.2	307	0.616	0.0	1.0	37.9	65.0	−14.5	66.6	347.4
522	R68Y_075_075$_d$	0.75	0.5	0.0	0.75	0.75	0.375	71	0.75	0.512	0.0	62.2	8.2	60.3	60.8	82.1	0.75	0.5	0.0	60.6	15.9	60.3	62.4	75.2	7.8	71	1.0	0.683	0.0	74.8	11.0	80.4	81.1	82.1
523	R61Y_075_062$_d$	0.75	0.5	0.125	0.75	0.625	0.437	67	0.75	0.51	0.125	62.8	10.2	47.9	49.0	77.8	0.75	0.5	0.125	61.1	16.4	50.3	52.9	71.9	6.7	67	1.0	0.616	0.0	71.6	16.4	76.6	78.4	77.8
524	R50Y_075_050$_d$	0.75	0.5	0.25	0.75	0.5	0.5	60	0.75	0.5	0.25	62.4	14.4	34.3	37.2	67.1	0.75	0.5	0.25	61.2	18.1	39.5	43.4	65.3	6.4	59	1.0	0.5	0.0	64.9	28.9	68.6	74.5	67.1
525	R31Y_075_037$_d$	0.75	0.5	0.375	0.75	0.375	0.562	49	0.75	0.493	0.375	63.1	17.1	22.2	28.1	52.2	0.75	0.5	0.375	61.9	19.2	29.9	35.5	57.3	8.0	48	1.0	0.316	0.0	56.6	45.8	59.2	74.9	52.2
526	R00Y_075_025$_d$	0.75	0.5	0.5	0.75	0.25	0.625	390	0.75	0.5	0.5	65.2	17.7	11.2	20.9	32.3	0.75	0.5	0.5	62.8	20.1	19.9	28.3	44.7	9.3	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
527	R00Y_075_025$_d$	0.75	0.5	0.625	0.75	0.25	0.625	360	0.75	0.5	0.625	65.3	18.5	5.2	19.2	15.9	0.75	0.5	0.625	63.6	21.9	10.7	24.4	26.2	6.6	360	1.0	0.0	0.5	45.9	74.2	21.1	77.1	15.9
528	B50R_075_025$_d$	0.75	0.5	0.75	0.75	0.25	0.625	330	0.75	0.5	0.75	65.4	19.8	0.0	19.8	359.8	0.75	0.5	0.75	64.0	23.8	2.5	24.0	6.1	5.0	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
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	25.5	−4.4	25.9	350.0	0.75	0.5	0.875	65.2	25.4	−4.4	25.8	350.1	0.5	311	0.683	0.0	1.0	39.8	68.1	−11.9	69.1	350.0
530	B25R_100_050$_d$	0.75	0.5	1.0	1.0	0.5	0.75	300	0.75	0.5	1.0	65.6	29.3	−10.3	31.0	340.5	0.75	0.5	1.0	65.7	26.9	−11.2	29.2	337.4	2.4	300	0.5	0.0	1.0	35.6	58.6	−20.7	62.1	340.5
531	R85Y_075_075$_d$	0.75	0.625	0.0	0.75	0.75	0.375	81	0.75	0.637	0.0	67.8	−1.1	66.7	66.7	91.0	0.75	0.625	0.0	66.7	4.4	67.2	67.4	86.2	5.7	81	1.0	0.85	0.0	82.3	−1.5	89.0	89.0	91.0
532	R81Y_075_062$_d$	0.75	0.625	0.125	0.75	0.625	0.437	79	0.75	0.635	0.125	68.6	0.5	54.6	54.6	89.4	0.75	0.625	0.125	67.6	4.8	56.3	56.5	85.0	4.7	80	1.0	0.816	0.0	80.8	0.8	87.3	87.3	89.4
533	R76Y_075_050$_d$	0.75	0.625	0.25	0.75	0.5	0.5	76	0.75	0.633	0.25	69.3	2.1	42.3	42.4	87.0	0.75	0.625	0.25	68.3	5.5	44.9	45.3	82.9	4.3	77	1.0	0.766	0.0	78.6	4.3	84.7	84.8	87.0
534	R68Y_075_037$_d$	0.75	0.625	0.375	0.75	0.375	0.562	71	0.75	0.631	0.375	70.0	4.1	30.1	30.4	82.1	0.75	0.625	0.375	68.8	7.0	34.2	34.9	78.3	5.1	71	1.0	0.683	0.0	74.8	11.0	80.4	81.1	82.1
535	R50Y_075_025$_d$	0.75	0.625	0.5	0.75	0.25	0.625	60	0.75	0.625	0.5	70.1	7.2	17.1	18.6	67.1	0.75	0.625	0.5	69.5	8.8	22.7	24.4	68.7	5.8	59	1.0	0.5	0.0	64.9	28.9	68.6	74.5	67.1
536	R00Y_075_012$_d$	0.75	0.625	0.625	0.75	0.125	0.687	390	0.75	0.625	0.625	71.5	8.8	5.6	10.4	32.3	0.75	0.625	0.625	70.5	10.3	13.3	16.9	52.1	7.9	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
537	B50R_075_012$_d$	0.75	0.625	0.75	0.75	0.125	0.687	330	0.75	0.625	0.75	71.6	9.9	0.0	9.9	359.8	0.75	0.625	0.75	71.3	12.4	4.6	13.2	20.3	5.2	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
538	B25R_087_025$_d$	0.75	0.625	0.875	0.875	0.25	0.75	300	0.75	0.625	0.875	71.7	14.6	−5.1	15.5	340.5	0.75	0.625	0.875	72.0	14.2	−3.3	14.6	346.9	1.9	300	0.5	0.0	1.0	35.6	58.6	−20.7	62.1	340.5
539	B15R_100_037$_d$	0.75	0.625	1.0	1.0	0.375	0.812	289	0.743	0.625	1.0	71.3	17.7	−11.0	20.9	328.1	0.75	0.625	1.0	72.8	16.2	−10.5	19.3	326.9	2.1	288	0.316	0.0	1.0	30.9	47.3	−29.4	55.7	328.1
540	Y00G_075_075$_d$	0.75	0.75	0.0	0.75	0.75	0.375	90	0.75	0.75	0.0	71.9	−7.6	71.6	72.0	96.1	0.75	0.75	0.0	70.6	−2.5	71.5	71.6	92.0	5.2	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
541	Y00G_075_062$_d$	0.75	0.75	0.125	0.75	0.625	0.437	90	0.75	0.75	0.125	72.9	−6.3	59.6	60.0	96.1	0.75	0.75	0.125	71.4	−2.1	59.8	59.8	92.0	4.4	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
542	Y00G_075_050$_d$	0.75	0.75	0.25	0.75	0.5	0.5	90	0.75	0.75	0.25	73.9	−5.1	47.7	48.0	96.1	0.75	0.75	0.25	72.4	−1.4	48.0	48.0	91.7	3.9	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
543	Y00G_075_037$_d$	0.75	0.75	0.375	0.75	0.375	0.562	90	0.75	0.75	0.375	74.8	−3.8	35.8	36.0	96.1	0.75	0.75	0.375	73.3	−0.4	37.0	37.0	90.6	3.9	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
544	Y00G_075_025$_d$	0.75	0.75	0.5	0.75	0.25	0.625	90	0.75	0.75	0.5	75.8	−2.5	23.8	24.0	96.1	0.75	0.75	0.5	74.3	0.9	25.5	25.5	87.8	4.1	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
545	Y00G_075_012$_d$	0.75	0.75	0.625	0.75	0.125	0.687	90	0.75	0.75	0.625	76.8	−1.2	11.9	12.0	96.1	0.75	0.75	0.625	75.3	2.7	15.0	15.3	79.7	5.3	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
546	NW_075$_d$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0	0.75	0.75	0.75	76.3	4.7	5.9	7.6	51.3	7.7	360	1.0	1.0	1.0	95.6	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	77.9	3.6	−5.0	6.2	306.2	0.75	0.75	0.875	77.0	6.7	−2.3	7.1	340.8	4.1	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
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	7.3	−10.1	12.5	306.2	0.75	0.75	1.0	77.9	9.1	−9.9	13.4	312.5	1.7	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
549	Y13G_087_087$_d$	0.75	0.875	0.0	0.875	0.875	0.437	98	0.758	0.875	0.0	76.6	−12.3	77.8	78.7	99.0	0.75	0.875	0.0	76.4	−11.0	78.3	79.1	98.0	1.4	97	0.866	1.0	0.0	84.1	−14.1	88.9	90.0	99.0
550	Y15G_087_075$_d$	0.75	0.875	0.125	0.875	0.75	0.5	99	0.762	0.875	0.125	77.7	−11.0	66.1	67.0	99.4	0.75	0.875	0.125	77.1	−10.6	65.6	66.5	99.2	0.8	97	0.85	1.0	0.0	83.6	−14.6	88.1	89.3	99.4
551	Y18G_087_062$_d$	0.75	0.875	0.25	0.875	0.625	0.562	101	0.76	0.875	0.25	78.6	−9.7	54.1	55.0	100.2	0.75	0.875	0.25	78.0	−9.8	52.9	53.8	100.4	1.3	99	0.816	1.0	0.0	82.6	−15.6	86.6	88.0	100.2
552	Y23G_087_050$_d$	0.75	0.875	0.375	0.875	0.5	0.625	104	0.758	0.875	0.375	79.5	−8.5	42.1	43.0	101.4	0.75	0.875	0.375	79.1	−8.7	41.4	42.3	101.9	0.9	102	0.766	1.0	0.0	81.2	−17.0	84.3	86.0	101.4
553	Y31G_087_037$_d$	0.75	0.875	0.5	0.875	0.375	0.687	109	0.756	0.875	0.5	80.0	−7.9	29.8	30.8	104.9	0.75	0.875	0.5	80.1	−7.2	28.5	29.5	104.2	1.3	108	0.683	1.0	0.0	77.8	−21.1	79.4	82.2	104.9
554	Y50G_087_025$_d$	0.75	0.875	0.625	0.875	0.25	0.75	120	0.75	0.875	0.625	80.4	−7.4	16.6	18.2	114.0	0.75	0.875	0.625	81.1	−5.5	16.9	17.8	108.0	2.0	119	0.5	1.0	0.0	70.6	−29.7	66.5	72.8	114.0
555	G00B_087_012$_d$	0.75	0.875	0.75	0.875	0.125	0.812	150	0.75	0.875	0.75	81.0	−8.1	3.7	8.9	155.5	0.75	0.875	0.75	81.8	−3.4	7.6	8.3	114.5	6.1	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
556	G50B_087_012$_d$	0.75	0.875	0.875	0.875	0.125	0.812	210	0.75	0.875	0.875	81.8	−3.1	−5.1	6.0	238.4	0.75	0.875	0.875	82.8	−1.4	−1.0	1.7	217.4	4.5	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
557	G75B_100_025$_d$	0.75	0.875	1.0	1.0	0.25	0.875	240	0.75	0.875	1.0	82.1	−0.3	−10.1	10.1	268.2	0.75	0.875	1.0	83.7	1.0	−9.1	9.2	276.6	2.3	240	0.0	0.5	1.0	41.7	−1.2	−40.6	40.6	268.2
558	Y23G_100_100$_d$	0.75	1.0	0.0	1.0	1.0	0.5	104	0.766	1.0	0.0	81.2	−17.0	84.3	86.0	101.4	0.75	1.0	0.0	80.7	−17.5	83.5	85.3	101.8	1.0	102	0.766	1.0	0.0	81.2	−17.0	84.3	86.0	101.4
559	Y26G_100_087$_d$	0.75	1.0	0.125	1.0	0.875	0.562	106	0.766	1.0	0.125	81.9	−16.1	72.2	74.0	102.6	0.75	1.0	0.125	81.7	−17.1	70.4	72.4	103.6	2.0	104	0.733	1.0	0.0	80.0	−18.4	82.5	84.6	102.6
560	Y31G_100_075$_d$	0.75	1.0	0.25	1.0	0.75	0.625	109	0.762	1.0	0.25	82.3	−15.8	59.6	61.6	104.9	0.75	1.0	0.25	82.3	−16.6	57.1	59.5	106.2	2.5	108	0.683	1.0	0.0	77.8	−21.1	79.4	82.2	104.9
561	Y38G_100_062$_d$	0.75	1.0	0.375	1.0	0.625	0.687	113	0.76	1.0	0.375	82.7	−15.3	46.9	49.4	108.0	0.75	1.0	0.375	83.3	−15.3	44.6	47.2	108.9	2.3	112	0.616	1.0	0.0	75.0	−24.4	75.1	79.0	108.0
562	Y50G_100_050$_d$	0.75	1.0	0.5	1.0	0.5	0.75	120	0.75	1.0	0.5	83.1	−14.8	33.2	36.4	114.0	0.75	1.0	0.5	84.2	−14.1	31.5	34.5	114.0	2.1	119	0.5	1.0	0.0	70.6	−29.7	66.5	72.8	114.0
563	Y68G_100_037$_d$	0.75	1.0	0.625	1.0	0.375	0.812	131	0.743	1.0	0.625	83.1	−15.5	19.9	25.3	127.8	0.75	1.0	0.625	85.1	−12.2	19.6	23.1	122.0	3.8	131	0.316	1.0	0.0	62.3	−41.4	53.2	67.5	127.8
564	G00B_100_025$_d$	0.75	1.0	0.75	1.0	0.25	0.875	150	0.75	1.0	0.75	84.2	−16.2	7.4	17.8	155.5	0.75	1.0	0.75	86.5	−9.9	9.5	13.7	136.2	7.0	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
565	G25B_100_025$_d$	0.75	1.0	0.875	1.0	0.25	0.875	180	0.75	1.0	0.875	84.9	−12.1	−2.0	12.3	189.3	0.75	1.0	0.875	87.5	−7.8	0.5	7.8	176.3	5.6	180	0.0	1.0	0.5	52.9	−48.6	−8.0	49.3	189.3
566	G50B_100_025$_d$	0.75	1.0	1.0	1.0	0.25	0.875	210	0.75	1.0	1.0	85.9	−6.3	−10.3	12.1	238.4	0.75	1.0	1.0	88.4	−5.2	−8.0	9.6	236.8	3.5	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4

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

1-0032531-F0

QE370−7N, Page 26/33−F

TUB-test chart QE37; hue code: H*$_d$=Y00G$_d$
colors and differences, $\Delta E^{*\prime}$

input: *rgb/cmyk* −> *rgb*$_d$
output: transfer to *cmy0*$_d$

TUB registration: 20130201-QE37/QE37L0NA.TXT /.PS
application for measurement of offset print output, separation cmy0 (CMY0)

TUB material: code=rha4ta

see similar files: http://130.149.60.45/~farbmetrik/QE37/QE37.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

QE3700L

TUB registration: 20130201-QE37/QE37L0NA.TXT /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0 (CMY0)

http://130.149.60.45/~farbmetrik/QE37/QE37L0NA.TXT /.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	42.8	62.0	39.2	73.4	32.3	0.875	0.0	0.0	43.2	65.4	40.5	76.9	31.8	3.6	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
568	R36Y_087_087$_d$	0.875	0.0	0.125	0.875	0.875	0.437	382	0.875	0.0	0.116	42.9	62.5	34.7	71.6	29.0	0.875	0.0	0.125	43.3	66.0	35.3	74.9	28.1	3.5	382	1.0	0.0	0.133	45.5	71.5	39.7	81.8	29.0
569	R23Y_087_087$_d$	0.875	0.0	0.25	0.875	0.875	0.437	374	0.875	0.0	0.233	43.0	63.2	29.5	69.8	25.0	0.875	0.0	0.25	43.6	66.5	29.6	72.8	23.9	3.3	375	1.0	0.0	0.266	45.6	72.3	33.8	79.8	25.0
570	R08Y_087_087$_d$	0.875	0.0	0.375	0.875	0.875	0.437	365	0.875	0.0	0.364	43.1	64.2	22.7	68.1	19.4	0.875	0.0	0.375	43.6	67.7	23.3	71.6	19.0	3.5	365	1.0	0.0	0.416	45.8	73.4	25.9	77.9	19.4
571	B70R_087_087$_d$	0.875	0.0	0.5	0.875	0.875	0.437	355	0.875	0.0	0.51	43.2	65.8	14.8	67.4	12.7	0.875	0.0	0.5	43.7	69.3	16.0	71.2	13.0	3.7	354	1.0	0.0	0.583	45.9	75.2	16.9	77.1	12.7
572	B63R_087_087$_d$	0.875	0.0	0.625	0.875	0.875	0.437	346	0.875	0.0	0.641	43.2	67.3	8.3	67.8	7.0	0.875	0.0	0.625	43.8	70.8	9.3	71.4	7.5	3.6	344	1.0	0.0	0.733	45.9	77.0	9.4	77.5	7.0
573	B56R_087_087$_d$	0.875	0.0	0.75	0.875	0.875	0.437	338	0.875	0.0	0.758	43.2	68.4	3.8	68.5	3.2	0.875	0.0	0.75	43.8	72.3	4.2	72.5	3.3	4.0	337	1.0	0.0	0.866	45.9	78.1	4.4	78.3	3.2
574	B50R_087_087$_d$	0.875	0.0	0.875	0.875	0.875	0.437	330	0.875	0.0	0.875	43.4	69.4	−0.1	69.4	359.8	0.875	0.0	0.875	44.0	73.5	−0.8	73.5	359.3	4.2	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
575	B44R_100_100$_d$	0.875	0.0	1.0	1.0	1.0	0.5	323	0.883	0.0	1.0	44.3	75.4	−4.7	75.6	356.3	0.875	0.0	1.0	44.2	75.2	−5.0	75.3	356.1	0.4	323	0.883	0.0	1.0	44.3	75.4	−4.7	75.6	356.3
576	R13Y_087_087$_d$	0.875	0.125	0.0	0.875	0.875	0.437	38	0.875	0.116	0.0	46.1	54.3	43.6	69.7	38.7	0.875	0.125	0.0	47.3	56.4	44.0	71.5	38.0	2.4	37	1.0	0.133	0.0	49.2	62.1	49.8	79.6	38.7
577	R00Y_087_075$_d$	0.875	0.125	0.125	0.875	0.75	0.5	390	0.875	0.125	0.125	49.1	53.2	33.6	62.9	32.3	0.875	0.125	0.125	47.6	56.0	38.5	67.9	34.5	5.8	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
578	R35Y_087_075$_d$	0.875	0.125	0.25	0.875	0.75	0.5	381	0.875	0.125	0.237	49.1	53.7	29.2	61.1	28.5	0.875	0.125	0.25	47.9	56.7	32.6	65.4	29.8	4.6	382	1.0	0.0	0.15	45.5	71.6	39.0	81.5	28.5
579	R18Y_087_075$_d$	0.875	0.125	0.375	0.875	0.75	0.5	371	0.875	0.125	0.362	49.3	54.5	23.4	59.3	23.2	0.875	0.125	0.375	48.2	57.5	25.3	62.8	23.7	3.7	371	1.0	0.0	0.316	45.7	72.6	31.2	79.1	23.2
580	R00Y_087_075$_d$	0.875	0.125	0.5	0.875	0.75	0.5	360	0.875	0.125	0.5	49.4	55.6	15.8	57.8	15.9	0.875	0.125	0.5	48.4	59.1	16.9	61.5	15.9	3.7	360	1.0	0.0	0.5	45.9	74.2	21.1	77.1	15.9
581	B65R_087_075$_d$	0.875	0.125	0.625	0.875	0.75	0.5	349	0.875	0.125	0.637	49.4	57.3	8.9	58.0	8.9	0.875	0.125	0.625	48.8	60.3	9.3	61.0	8.8	3.1	348	1.0	0.0	0.683	45.9	76.4	11.9	77.3	8.9
582	B57R_087_075$_d$	0.875	0.125	0.75	0.875	0.75	0.5	339	0.875	0.125	0.762	49.4	58.5	3.7	58.6	3.7	0.875	0.125	0.75	48.9	62.0	2.9	62.0	2.7	3.6	337	1.0	0.0	0.85	45.9	78.0	5.0	78.2	3.7
583	B50R_087_075$_d$	0.875	0.125	0.875	0.875	0.75	0.5	330	0.875	0.125	0.875	49.5	59.4	−0.1	59.4	359.8	0.875	0.125	0.875	49.3	62.9	−2.0	62.9	358.1	3.9	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
584	B43R_100_087$_d$	0.875	0.125	1.0	1.0	0.875	0.562	322	0.883	0.125	1.0	50.5	65.5	−4.6	65.7	355.9	0.875	0.125	1.0	49.6	64.5	−6.6	64.9	354.1	2.3	322	0.866	0.0	1.0	44.0	74.9	−5.3	75.1	355.9
585	R26Y_087_087$_d$	0.875	0.25	0.0	0.875	0.875	0.437	46	0.875	0.233	0.0	50.6	44.1	49.4	66.2	48.2	0.875	0.25	0.0	51.7	45.6	50.7	68.2	48.0	2.3	44	1.0	0.266	0.0	54.4	50.4	56.5	75.7	48.2
586	R15Y_087_075$_d$	0.875	0.25	0.125	0.875	0.75	0.5	39	0.875	0.237	0.125	52.4	45.5	38.0	59.3	39.9	0.875	0.25	0.125	52.6	45.0	43.6	62.7	44.1	5.6	37	1.0	0.15	0.0	49.8	60.7	50.7	79.1	39.9
587	R00Y_087_062$_d$	0.875	0.25	0.25	0.875	0.625	0.562	390	0.875	0.25	0.25	55.3	44.3	28.0	52.4	32.3	0.875	0.25	0.25	53.7	44.1	35.9	56.8	39.1	8.0	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
588	R31Y_087_062$_d$	0.875	0.25	0.375	0.875	0.625	0.562	379	0.875	0.25	0.364	55.4	44.9	23.4	50.6	27.5	0.875	0.25	0.375	54.3	44.5	28.2	52.7	32.3	4.8	380	1.0	0.0	0.183	45.5	71.8	37.5	81.0	27.5
589	R11Y_087_062$_d$	0.875	0.25	0.5	0.875	0.625	0.562	367	0.875	0.25	0.489	55.6	45.6	17.4	48.8	20.8	0.875	0.25	0.5	54.5	45.9	19.9	50.0	23.4	2.7	367	1.0	0.0	0.383	45.8	73.0	27.8	78.2	20.8
590	B69R_087_062$_d$	0.875	0.25	0.625	0.875	0.625	0.562	353	0.875	0.25	0.635	55.7	47.2	9.5	48.1	11.4	0.875	0.25	0.625	55.1	47.5	10.8	48.7	12.8	1.4	352	1.0	0.0	0.616	46.0	75.5	15.2	77.1	11.4
591	B59R_087_062$_d$	0.875	0.25	0.75	0.875	0.625	0.562	341	0.875	0.25	0.76	55.6	48.6	3.9	48.7	4.6	0.875	0.25	0.75	55.4	48.8	4.0	49.0	4.6	0.3	339	1.0	0.0	0.816	45.9	77.7	6.2	78.0	4.6
592	B50R_087_062$_d$	0.875	0.25	0.875	0.875	0.625	0.562	330	0.875	0.25	0.875	55.7	49.5	−0.1	49.5	359.8	0.875	0.25	0.875	56.0	49.9	−1.8	49.9	357.9	1.7	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
593	B42R_100_075$_d$	0.875	0.25	1.0	1.0	0.75	0.625	321	0.887	0.25	1.0	56.7	55.7	−4.4	55.9	355.4	0.875	0.25	1.0	56.7	51.9	−6.8	52.3	352.4	4.5	322	0.85	0.0	1.0	43.7	74.3	−5.9	74.6	355.4
594	R41Y_087_087$_d$	0.875	0.375	0.0	0.875	0.875	0.437	55	0.875	0.364	0.0	56.5	32.0	56.4	64.9	60.3	0.875	0.375	0.0	57.5	33.5	57.7	66.8	59.8	2.2	54	1.0	0.416	0.0	61.0	36.6	64.5	74.1	60.3
595	R31Y_087_075$_d$	0.875	0.375	0.125	0.875	0.75	0.5	49	0.875	0.362	0.125	57.4	34.3	44.4	56.2	52.2	0.875	0.375	0.125	57.9	33.6	48.9	59.4	55.5	4.6	48	1.0	0.316	0.0	56.6	45.8	59.2	74.9	52.2
596	R18Y_087_062$_d$	0.875	0.375	0.25	0.875	0.625	0.562	41	0.875	0.364	0.25	58.9	36.1	32.8	48.8	42.2	0.875	0.375	0.25	58.6	34.1	39.3	52.1	49.0	6.8	39	1.0	0.183	0.0	51.1	57.8	52.5	78.1	42.2
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	35.4	22.4	41.9	32.3	0.875	0.375	0.375	59.7	33.8	30.7	45.6	42.2	8.6	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
598	R26Y_087_050$_d$	0.875	0.375	0.5	0.875	0.5	0.625	376	0.875	0.375	0.491	61.7	36.0	17.6	40.1	26.1	0.875	0.375	0.5	60.3	34.8	21.9	41.1	32.1	4.6	377	1.0	0.0	0.233	45.6	72.1	35.3	80.3	26.1
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	37.1	10.5	38.5	15.9	0.875	0.375	0.625	61.1	36.1	12.9	38.3	19.7	2.6	360	1.0	0.0	0.5	45.9	74.2	21.1	77.1	15.9
600	B61R_087_050$_d$	0.875	0.375	0.75	0.875	0.5	0.625	344	0.875	0.375	0.758	61.8	38.6	4.0	38.8	5.9	0.875	0.375	0.75	61.4	37.8	4.6	38.1	7.0	1.0	342	1.0	0.0	0.766	45.9	77.3	8.0	77.7	5.9
601	B50R_087_050$_d$	0.875	0.375	0.875	0.875	0.5	0.625	330	0.875	0.375	0.875	61.9	39.6	−0.1	39.6	359.8	0.875	0.375	0.875	62.3	38.7	−1.4	38.7	357.8	1.6	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
602	B40R_100_062$_d$	0.875	0.375	1.0	1.0	0.625	0.687	319	0.885	0.375	1.0	62.8	45.8	−4.4	46.0	354.4	0.875	0.375	1.0	63.0	40.3	−7.2	40.9	349.7	6.1	320	0.816	0.0	1.0	43.1	73.2	−7.0	73.6	354.4
603	R58Y_087_087$_d$	0.875	0.5	0.0	0.875	0.875	0.437	65	0.875	0.51	0.0	64.0	17.7	65.2	67.6	74.8	0.875	0.5	0.0	63.7	21.0	64.7	68.1	72.0	3.3	65	1.0	0.583	0.0	69.7	20.2	74.6	77.3	74.8
604	R50Y_087_075$_d$	0.875	0.5	0.125	0.875	0.75	0.5	60	0.875	0.5	0.125	63.6	21.6	51.5	55.9	67.1	0.875	0.5	0.125	63.9	22.1	53.8	58.2	67.6	2.4	59	1.0	0.5	0.0	64.9	28.9	68.6	74.5	67.1
605	R38Y_087_062$_d$	0.875	0.5	0.25	0.875	0.625	0.562	53	0.875	0.489	0.25	64.1	24.7	39.1	46.2	57.6	0.875	0.5	0.25	64.0	23.7	43.4	49.4	61.3	4.4	52	1.0	0.383	0.0	59.5	39.5	62.5	74.0	57.6
606	R23Y_087_050$_d$	0.875	0.5	0.375	0.875	0.5	0.625	44	0.875	0.491	0.375	65.4	26.7	27.4	38.2	45.7	0.875	0.5	0.375	64.9	24.1	33.4	41.2	54.1	6.5	42	1.0	0.233	0.0	53.0	53.4	54.8	76.5	45.7
607	R00Y_087_037$_d$	0.875	0.5	0.5	0.875	0.375	0.687	390	0.875	0.5	0.5	67.9	26.6	16.8	31.4	32.3	0.875	0.5	0.5	65.9	24.7	24.0	34.4	44.2	7.7	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
608	R18Y_087_037$_d$	0.875	0.5	0.625	0.875	0.375	0.687	371	0.875	0.5	0.618	68.0	27.2	11.7	29.6	23.2	0.875	0.5	0.625	66.7	26.0	14.9	29.9	29.8	3.6	371	1.0	0.0	0.316	45.7	72.6	31.2	79.1	23.2
609	B65R_087_037$_d$	0.875	0.5	0.75	0.875	0.375	0.687	349	0.875	0.5	0.756	68.1	28.6	4.4	29.0	8.9	0.875	0.5	0.75	67.4	27.8	5.7	28.4	11.6	1.6	348	1.0	0.0	0.683	45.9	76.4	11.9	77.3	8.9
610	B50R_087_037$_d$	0.875	0.5	0.875	0.875	0.375	0.687	330	0.875	0.5	0.875	68.1	29.7	0.0	29.7	359.8	0.875	0.5	0.875	68.2	29.1	−0.9	29.1	358.1	1.0	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
611	B38R_100_050$_d$	0.875	0.5	1.0	1.0	0.5	0.75	316	0.883	0.5	1.0	68.8	35.8	−4.3	36.0	353.0	0.875	0.5	1.0	69.1	30.9	−7.1	31.7	346.9	5.6	317	0.766	0.0	1.0	42.1	71.6	−8.7	72.1	353.0
612	R73Y_087_087$_d$	0.875	0.625	0.0	0.875	0.875	0.437	74	0.875	0.641	0.0	70.5	6.0	72.6	72.9	85.2	0.875	0.625	0.0	70.1	9.2	72.5	73.1	82.7	3.2	75	1.0	0.733	0.0	77.1	6.9	83.0	83.3	85.2
613	R68Y_087_075$_d$	0.875	0.625	0.125	0.875	0.75	0.5	71	0.875	0.637	0.125	71.1	8.2	60.3	60.8	82.1	0.875	0.625	0.125	70.5	9.9	60.9	61.7	80.7	1.8	71	1.0	0.683	0.0	74.8	11.0	80.4	81.1	82.1
614	R61Y_087_062$_d$	0.875	0.625	0.25	0.875	0.625	0.562	67	0.875	0.635	0.25	71.7	10.2	47.9	49.0	77.8	0.875	0.625	0.25	71.4	10.4	49.1	50.2	78.0	1.2	67	1.0	0.616	0.0	71.6	16.4	76.6	78.4	77.8
615	R50Y_087_050$_d$	0.875	0.625	0.375	0.875	0.5	0.625	60	0.875	0.625	0.375	71.3	14.4	34.3	37.2	67.1	0.875	0.625	0.375	71.7	11.9	38.5	40.3	72.8	4.9	59	1.0	0.5	0.0	64.9	28.9	68.6	74.5	67.1
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	17.1	22.2	28.1	52.2	0.875	0.625	0.5	72.5	13.3	27.6	30.7	64.1	6.6	48	1.0	0.316	0.0	56.6	45.8	59.2	74.9	52.2
617	R00Y_087_025$_d$	0.875	0.625	0.625	0.875	0.25	0.75	390	0.875	0.625	0.625	74.1	17.7	11.2	20.9	32.3	0.875	0.625	0.625	73.5	14.5	17.6	22.8	50.5	7.1	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
618	R00Y_087_025$_d$	0.875	0.625	0.75	0.875	0.25	0.75	360	0.875	0.625	0.75	74.2	18.5	5.2	19.2	15.9	0.875	0.625	0.75	74.4	16.2	8.4	18.3	27.4	3.8	360	1.0	0.0	0.5	45.9	74.2	21.1	77.1	15.9
619	B50R_087_025$_d$	0.875	0.625	0.875	0.875	0.25	0.75	330	0.875	0.625	0.875	74.3	19.8	0.0	19.8	359.8	0.875	0.625	0.875	75.3	17.9	0.6	17.9	1.9	2.2	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
620	B34R_100_037$_d$	0.875	0.625	1.0	1.0	0.375	0.812	311	0.881	0.625	1.0	74.7	25.5	−4.4	25.9	350.0	0.875	0.625	1.0	76.3	19.9	−6.4	20.9	342.1	6.1	311	0.683	0.0	1.0	39.8	68.1	−11.9	69.1	350.0
621	R86Y_087_087$_d$	0.875	0.75	0.0	0.875	0.875	0.437	82	0.875	0.758	0.0	75.7	−2.4	78.6	78.6	91.7	0.875	0.75	0.0	74.7	1.3	77.7	77.7	89.0	4.0	82	1.0	0.866	0.0	83.1	−2.8	89.8	89.8	91.7
622	R85Y_087_075$_d$	0.875	0.75	0.125	0.875	0.75	0.5	81	0.875	0.762	0.125	76.7	−1.1	66.7	66.7	91.0	0.875	0.75	0.125	75.7	1.0	65.9	65.9	89.1	2.5	81	1.0	0.85	0.0	82.3	−1.5	89.0	89.0	91.0
623	R81Y_087_062$_d$	0.875	0.75	0.25	0.875	0.625	0.562	79	0.875	0.76	0.25	77.5	0.5	54.6	54.6	89.4	0.875	0.75	0.25	76.3	1.9	53.4	53.4	87.9	2.1	80	1.0	0.816	0.0	80.8	0.8	87.3	87.3	89.4
624	R76Y_087_050$_d$	0.875	0.75	0.375	0.875	0.5	0.625	76	0.875	0.758	0.375	78.2	2.1	42.3	42.4	87.0	0.875	0.75	0.375	77.2	2.8	42.2	42.3	86.1	1.1	77	1.0	0.766	0.0	78.6	4.3	84.7	84.8	87.0
625	R68Y_087_037$_d$	0.875	0.75	0.5	0.875	0.375	0.687	71	0.875	0.756	0.5	78.9	4.1	30.1	30.4	82.1	0.875	0.75	0.5	77.9	4.5	30.7	31.0	81.5	1.2	71	1.0	0.683	0.0	74.8	11.0	80.4	81.1	82.1
626	R50Y_087_025$_d$	0.875	0.75	0.625	0.875	0.25	0.75	60	0.875	0.75	0.625	79.0	7.2	17.1	18.6	67.1	0.875	0.75	0.625	78.7	6.4	19.6	20.7	71.8	2.6	59	1.0	0.5	0.0	64.9	28.9	68.6	74.5	67.1
627	R00Y_087_012$_d$	0.875	0.75	0.75	0.875	0.125	0.812	390	0.875	0.75	0.75	80.4	8.8	5.6	10.4	32.3	0.875	0.75	0.75	79.7	8.2	9.9	12.9	50.2	4.4	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
628	B50R_087_012$_d$	0.875	0.75	0.875	0.875	0.125	0.812	330	0.875	0.75	0.875	80.5	9.9	0.0	9.9	359.8	0.875	0.75	0.875	80.8	9.9	1.7	10.1	9.6	1.7	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
629	B25R_100_025$_d$	0.875	0.75	1.0	1.0	0.25	0.875	300	0.875	0.75	1.0	80.6	14.6	−5.1	15.5	340.5	0.875	0.75	1.0	81.1	12.3	−6.1	13.7	333.7	2.5	300	0.5	0.0	1.0	35.6	58.6	−20.7	62.1	340.5
630	Y00G_087_087$_d$	0.875	0.875	0.0	0.875	0.875	0.437	90	0.875	0.875	0.0	79.8	−8.9	83.5	84.0	96.1	0.875	0.875	0.0	79.8	−7.2	83.8	84.1	94.9	1.7	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
631	Y00G_087_075$_d$	0.875	0.875	0.125	0.875	0.75	0.5	90	0.875	0.875	0.125	80.8	−7.6	71.6	72.0	96.1	0.875	0.875	0.125	80.6	−6.9	70.6	71.0	95.6	1.1	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
632	Y00G_087_062$_d$	0.875	0.875	0.25	0.875	0.625	0.562	90	0.875	0.875	0.25	81.8	−6.3	59.6	60.0	96.1	0.875	0.875	0.25	81.4	−6.1	57.8	58.2	96.1	1.8	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
633	Y00G_087_050$_d$	0.875	0.875	0.375	0.875	0.5	0.625	90	0.875	0.875	0.375	82.8	−5.1	47.7	48.0	96.1	0.875	0.875	0.375	82.3	−5.3	45.8	46.1	96.6	1.9	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
634	Y00G_087_037$_d$	0.875	0.875	0.5	0.875	0.375	0.687	90	0.875	0.875	0.5	83.7	−3.8	35.8	36.0	96.1	0.875	0.875	0.5	83.7	−3.9	33.3	33.6	96.8	2.4	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
635	Y00G_087_025$_d$	0.875	0.875	0.625	0.875	0.25	0.75	90	0.875	0.875	0.625	84.7	−2.5	23.8	24.0	96.1	0.875	0.875	0.625	84.6	−2.2	22.0	22.1	95.8	1.8	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
636	Y00G_087_012$_d$	0.875	0.875	0.75	0.875	0.125	0.812	90	0.875	0.875	0.75	85.7	−1.2	11.9	12.0	96.1	0.875	0.875	0.75	85.6	−0.3	11.7	11.7	91.7	0.9	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
637	NW_087$_d$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.7	0.0	0.0	0.0	0.0	0.875	0.875	0.875	86.7	1.6	2.9	3.3	60.9	3.3	360	1.0	1.0	1.0	95.6	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	86.8	3.6	−5.0	6.2	306.2	0.875	0.875	1.0	87.6	3.8	−5.2	6.4	306.2	0.8	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
639	Y11G_100_100$_d$	0.875	1.0	0.0	1.0	1.0	0.5	97	0.883	1.0	0.0	84.5	−13.6	89.7	90.7	98.6	0.875	1.0	0.0	84.3	−13.9	89.2	90.3	98.8	0.5	96	0.883	1.0	0.0	84.5	−13.6	89.7	90.7	98.6
640	Y13G_100_087$_d$	0.875	1.0	0.125	1.0	0.875	0.562	98	0.883	1.0	0.125	85.5	−12.3	77.8	78.7	99.0	0.875	1.0	0.125	85.1	−13.6	75.8	77.0	100.2	2.3	97	0.866	1.0	0.0	84.1	−14.1	88.9	90.0	99.0
641	Y15G_100_075$_d$	0.875	1.0	0.25	1.0	0.75	0.625	99	0.887	1.0	0.25	86.6	−11.0	66.1	67.0	99.4	0.875	1.0	0.25	86.2	−12.7	63.0	64.3	101.4	3.5	97	0.85	1.0	0.0	83.6	−14.6	88.1	89.3	99.4
642	Y18G_100_062$_d$	0.875	1.0	0.375	1.0	0.625	0.687	101	0.885	1.0	0.375	87.5	−9.7	54.1	55.0	100.2	0.875	1.0	0.375	87.0	−12.0	50.1	51.6	103.5	4.6	99	0.816	1.0	0.0	82.6	−15.6	86.6	88.0	100.2
643	Y23G_100_050$_d$	0.875	1.0	0.5	1.0	0.5	0.75	104	0.883	1.0	0.5	88.4	−8.5	42.1	43.0	101.4	0.875	1.0	0.5	88.0	−10.8	37.3	38.8	106.1	5.3	102	0.766	1.0	0.0	81.2	−17.0	84.3	86.0	101.4
644	Y31G_100_037$_d$	0.875	1.0	0.625	1.0	0.375	0.812	109	0.881	1.0	0.625	88.9	−7.9	29.8	30.8	104.9	0.875	1.0	0.625	89.3	−8.9	24.9	26.5	109.6	4.9	108	0.683	1.0	0.0	77.8	−21.1	79.4	82.2	104.9
645	Y50G_100_025$_d$	0.875	1.0	0.75	1.0	0.25	0.875	120	0.875	1.0	0.75	89.3	−7.4	16.6	18.2	114.0	0.875	1.0	0.75	90.5	−6.9	13.6	15.3	117.0	3.1	119	0.5	1.0	0.0	70.6	−29.7	66.5	72.8	114.0
646	G00B_100_012$_d$	0.875	1.0	0.875	1.0	0.125	0.937	150	0.875	1.0	0.875	89.9	−8.1	3.7	8.9	155.5	0.875	1.0	0.875	91.4	−5.0	4.6	6.8	137.4	3.5	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
647	G50B_100_012$_d$	0.875	1.0	1.0	1.0	0.125	0.937	210	0.875	1.0	1.0	90.7	−3.1	−5.1	6.0	238.4	0.875	1.0	1.0	92.3	−2.7	−3.8	4.7	234.9	2.1	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4

Mean color difference of this page: **delta $E^{*\prime}$ = 3.4**

1−0032631−F0

QE370−7N, Page 27/33−F

TUB-test chart QE37; hue code: H^*_d=Y00G$_d$
colors and differences, $\Delta E^{*\prime}$

input: *rgb/cmyk* −> *rgb*$_d$
output: transfer to *cmy0*$_d$

see similar files: http://130.149.60.45/~farbmetrik/QE37/QE37.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

1−0032631−F0

QE3700L

TUB registration: 20130201-QE37/QE37L0NA.TXT /.PS   TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0 (CMY0)

http://130.149.60.45/~farbmetrik/QE37/QE37L0NA.TXT /.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}			$LabCh^*_{Fd}$					$rgb^{*\prime}_{Fd}$			$LabCh^{*\prime}_{Fd}$					$DE^{*\prime}_{Fd}$	$h_{siM,d}$	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	45.4	70.9	44.8	83.9	32.3	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	0.0	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
649	R38Y_100_100$_d$	1.0	0.0	0.125	1.0	1.0	0.5	383	1.0	0.0	0.116	45.5	71.4	40.4	82.1	29.5	1.0	0.0	0.125	45.5	71.4	40.1	81.9	29.3	0.3	383	1.0	0.0	0.116	45.5	71.4	40.4	82.1	29.5
650	R26Y_100_100$_d$	1.0	0.0	0.25	1.0	1.0	0.5	376	1.0	0.0	0.233	45.6	72.1	35.3	80.3	26.1	1.0	0.0	0.25	45.6	72.1	34.6	80.0	25.6	0.7	377	1.0	0.0	0.233	45.6	72.1	35.3	80.3	26.1
651	R13Y_100_100$_d$	1.0	0.0	0.375	1.0	1.0	0.5	368	1.0	0.0	0.366	45.8	72.9	28.7	78.4	21.5	1.0	0.0	0.375	45.8	72.9	28.3	78.3	21.2	0.4	368	1.0	0.0	0.366	45.8	72.9	28.7	78.4	21.5
652	R00Y_100_100$_d$	1.0	0.0	0.5	1.0	1.0	0.5	360	1.0	0.0	0.5	45.9	74.2	21.1	77.1	15.9	1.0	0.0	0.5	45.9	74.2	21.1	77.1	15.9	0.0	360	1.0	0.0	0.5	45.9	74.2	21.1	77.1	15.9
653	B68R_100_100$_d$	1.0	0.0	0.625	1.0	1.0	0.5	352	1.0	0.0	0.633	46.0	75.7	14.4	77.1	10.8	1.0	0.0	0.625	46.0	75.6	14.8	77.0	11.1	0.4	351	1.0	0.0	0.633	46.0	75.7	14.4	77.1	10.8
654	B61R_100_100$_d$	1.0	0.0	0.75	1.0	1.0	0.5	344	1.0	0.0	0.766	45.9	77.3	8.0	77.7	5.9	1.0	0.0	0.75	45.9	77.1	8.6	77.6	6.4	0.6	342	1.0	0.0	0.766	45.9	77.3	8.0	77.7	5.9
655	B55R_100_100$_d$	1.0	0.0	0.875	1.0	1.0	0.5	337	1.0	0.0	0.883	45.9	78.3	3.8	78.4	2.8	1.0	0.0	0.875	45.9	78.2	4.1	78.3	3.0	0.2	336	1.0	0.0	0.883	45.9	78.3	3.8	78.4	2.8
656	B50R_100_100$_d$	1.0	0.0	1.0	1.0	1.0	0.5	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8	0.0	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
657	R11Y_100_100$_d$	1.0	0.125	0.0	1.0	1.0	0.5	37	1.0	0.116	0.0	48.6	63.3	49.1	80.2	37.7	1.0	0.125	0.0	48.9	62.8	49.4	79.9	38.1	0.6	36	1.0	0.116	0.0	48.6	63.3	49.1	80.2	37.7
658	R00Y_100_087$_d$	1.0	0.125	0.125	1.0	0.875	0.562	390	1.0	0.125	0.125	51.7	62.0	39.2	73.4	32.3	1.0	0.125	0.125	49.6	62.3	43.6	76.1	34.9	4.8	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
659	R36Y_100_087$_d$	1.0	0.125	0.25	1.0	0.875	0.562	382	1.0	0.125	0.241	51.8	62.5	34.7	71.6	29.0	1.0	0.125	0.25	49.6	63.1	36.9	73.1	30.3	3.0	382	1.0	0.0	0.133	45.5	71.5	39.7	81.8	29.0
660	R23Y_100_087$_d$	1.0	0.125	0.375	1.0	0.875	0.562	374	1.0	0.125	0.358	51.9	63.2	29.5	69.8	25.0	1.0	0.125	0.375	50.0	63.5	30.1	70.3	25.3	2.0	375	1.0	0.0	0.266	45.6	72.3	33.8	79.8	25.0
661	R08Y_100_087$_d$	1.0	0.125	0.5	1.0	0.875	0.562	365	1.0	0.125	0.489	52.0	64.2	22.7	68.1	19.4	1.0	0.125	0.5	50.2	64.7	22.4	68.5	19.1	1.9	365	1.0	0.0	0.416	45.8	73.4	25.9	77.9	19.4
662	B70R_100_087$_d$	1.0	0.125	0.625	1.0	0.875	0.562	355	1.0	0.125	0.635	52.1	65.8	14.8	67.4	12.7	1.0	0.125	0.625	50.6	65.8	14.3	67.3	12.2	1.6	354	1.0	0.0	0.583	45.9	75.2	16.9	77.1	12.7
663	B63R_100_087$_d$	1.0	0.125	0.75	1.0	0.875	0.562	346	1.0	0.125	0.766	52.1	67.3	8.3	67.8	7.0	1.0	0.125	0.75	50.9	66.9	7.4	67.3	6.3	1.5	344	1.0	0.0	0.733	45.9	77.0	9.4	77.5	7.0
664	B56R_100_087$_d$	1.0	0.125	0.875	1.0	0.875	0.562	338	1.0	0.125	0.883	52.1	68.4	3.8	68.5	3.2	1.0	0.125	0.875	51.0	68.3	2.4	68.3	2.0	1.9	337	1.0	0.0	0.866	45.9	78.1	4.4	78.3	3.2
665	B50R_100_087$_d$	1.0	0.125	1.0	1.0	0.875	0.562	330	1.0	0.125	1.0	52.3	69.4	−0.1	69.4	359.8	1.0	0.125	1.0	51.3	69.1	−2.3	69.2	358.0	2.4	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
666	R23Y_100_100$_d$	1.0	0.25	0.0	1.0	1.0	0.5	44	1.0	0.233	0.0	53.0	53.4	54.8	76.5	45.7	1.0	0.25	0.0	53.6	51.9	55.5	76.0	46.8	1.7	42	1.0	0.233	0.0	53.0	53.4	54.8	76.5	45.7
667	R13Y_100_087$_d$	1.0	0.25	0.125	1.0	0.875	0.562	38	1.0	0.241	0.125	55.0	54.3	43.6	69.7	38.7	1.0	0.25	0.125	54.4	51.3	48.5	70.6	43.3	5.7	37	1.0	0.133	0.0	49.2	62.1	49.8	79.6	38.7
668	R00Y_100_075$_d$	1.0	0.25	0.25	1.0	0.75	0.625	390	1.0	0.25	0.25	58.0	53.2	33.6	62.9	32.3	1.0	0.25	0.25	55.3	50.6	40.6	64.9	38.7	7.8	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
669	R35Y_100_075$_d$	1.0	0.25	0.375	1.0	0.75	0.625	381	1.0	0.25	0.362	58.0	53.7	29.2	61.1	28.5	1.0	0.25	0.375	55.8	50.9	33.0	60.7	32.9	5.2	382	1.0	0.0	0.15	45.5	71.6	39.0	81.5	28.5
670	R18Y_100_075$_d$	1.0	0.25	0.5	1.0	0.75	0.625	371	1.0	0.25	0.487	58.2	54.5	23.4	59.3	23.2	1.0	0.25	0.5	56.4	51.4	24.6	57.0	25.5	3.6	371	1.0	0.0	0.316	45.7	72.6	31.2	79.1	23.2
671	R00Y_100_075$_d$	1.0	0.25	0.625	1.0	0.75	0.625	360	1.0	0.25	0.625	58.3	55.6	15.8	57.8	15.9	1.0	0.25	0.625	56.8	52.8	15.9	55.2	16.7	3.1	360	1.0	0.0	0.5	45.9	74.2	21.1	77.1	15.9
672	B65R_100_075$_d$	1.0	0.25	0.75	1.0	0.75	0.625	349	1.0	0.25	0.762	58.3	57.3	8.9	58.0	8.9	1.0	0.25	0.75	57.1	54.5	7.8	55.1	8.1	3.2	348	1.0	0.0	0.683	45.9	76.4	11.9	77.3	8.9
673	B57R_100_075$_d$	1.0	0.25	0.875	1.0	0.75	0.625	339	1.0	0.25	0.887	58.3	58.5	3.7	58.6	3.7	1.0	0.25	0.875	57.6	55.4	1.7	55.5	1.7	3.7	337	1.0	0.0	0.85	45.9	78.0	5.0	78.2	3.7
674	B50R_100_075$_d$	1.0	0.25	1.0	1.0	0.75	0.625	330	1.0	0.25	1.0	58.4	59.4	−0.1	59.4	359.8	1.0	0.25	1.0	58.0	56.2	−3.2	56.3	356.6	4.4	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
675	R36Y_100_100$_d$	1.0	0.375	0.0	1.0	1.0	0.5	52	1.0	0.366	0.0	58.8	41.1	61.7	74.1	56.3	1.0	0.375	0.0	59.1	40.3	62.0	74.0	56.9	0.9	51	1.0	0.366	0.0	58.8	41.1	61.7	74.1	56.3
676	R26Y_100_087$_d$	1.0	0.375	0.125	1.0	0.875	0.562	46	1.0	0.358	0.125	59.5	44.1	49.4	66.2	48.2	1.0	0.375	0.125	59.2	41.2	53.0	67.1	52.1	4.6	44	1.0	0.266	0.0	54.4	50.4	56.5	75.7	48.2
677	R15Y_100_075$_d$	1.0	0.375	0.25	1.0	0.75	0.625	39	1.0	0.362	0.25	61.3	45.5	38.0	59.3	39.9	1.0	0.375	0.25	59.8	41.2	44.0	60.3	46.8	7.4	37	1.0	0.15	0.0	49.8	60.7	50.7	79.1	39.9
678	R00Y_100_062$_d$	1.0	0.375	0.375	1.0	0.625	0.687	390	1.0	0.375	0.375	64.2	44.3	28.0	52.4	32.3	1.0	0.375	0.375	61.2	40.1	35.6	53.7	41.6	9.2	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
679	R31Y_100_062$_d$	1.0	0.375	0.5	1.0	0.625	0.687	379	1.0	0.375	0.489	64.3	44.9	23.4	50.6	27.5	1.0	0.375	0.5	61.7	40.7	27.1	48.9	33.6	6.1	380	1.0	0.0	0.183	45.5	71.8	37.5	81.0	27.5
680	R11Y_100_062$_d$	1.0	0.375	0.625	1.0	0.625	0.687	367	1.0	0.375	0.614	64.5	45.6	17.4	48.8	20.8	1.0	0.375	0.625	62.6	41.7	17.7	45.3	23.0	4.4	367	1.0	0.0	0.383	45.8	73.0	27.8	78.2	20.8
681	B69R_100_062$_d$	1.0	0.375	0.75	1.0	0.625	0.687	353	1.0	0.375	0.76	64.6	47.2	9.5	48.1	11.4	1.0	0.375	0.75	63.0	43.5	8.8	44.4	11.4	4.1	352	1.0	0.0	0.616	46.0	75.5	15.2	77.1	11.4
682	B59R_100_062$_d$	1.0	0.375	0.875	1.0	0.625	0.687	341	1.0	0.375	0.885	64.5	48.6	3.9	48.7	4.6	1.0	0.375	0.875	63.9	44.3	1.6	44.3	2.1	4.8	339	1.0	0.0	0.816	45.9	77.7	6.2	78.0	4.6
683	B50R_100_062$_d$	1.0	0.375	1.0	1.0	0.625	0.687	330	1.0	0.375	1.0	64.6	49.5	−0.1	49.5	359.8	1.0	0.375	1.0	64.6	45.0	−3.7	45.2	355.2	5.7	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
684	R50Y_100_100$_d$	1.0	0.5	0.0	1.0	1.0	0.5	60	1.0	0.5	0.0	64.9	28.9	68.6	74.5	67.1	1.0	0.5	0.0	64.9	28.9	68.6	74.5	67.1	0.0	59	1.0	0.5	0.0	64.9	28.9	68.6	74.5	67.1
685	R41Y_100_087$_d$	1.0	0.5	0.125	1.0	0.875	0.562	55	1.0	0.489	0.125	65.4	32.0	56.4	64.9	60.3	1.0	0.5	0.125	64.9	29.9	58.6	65.9	62.9	3.1	54	1.0	0.416	0.0	61.0	36.6	64.5	74.1	60.3
686	R31Y_100_075$_d$	1.0	0.5	0.25	1.0	0.75	0.625	49	1.0	0.487	0.25	66.3	34.3	44.4	56.2	52.2	1.0	0.5	0.25	65.7	30.0	48.4	57.0	58.2	5.9	48	1.0	0.316	0.0	56.6	45.8	59.2	74.9	52.2
687	R18Y_100_062$_d$	1.0	0.5	0.375	1.0	0.625	0.687	41	1.0	0.489	0.375	67.8	36.1	32.8	48.8	42.2	1.0	0.5	0.375	66.5	30.2	39.0	49.3	52.2	8.6	39	1.0	0.183	0.0	51.1	57.8	52.5	78.1	42.2
688	R00Y_100_050$_d$	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.5	70.5	35.4	22.4	41.9	32.3	1.0	0.5	0.5	68.0	29.9	28.7	41.5	43.8	8.7	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
689	R26Y_100_050$_d$	1.0	0.5	0.625	1.0	0.5	0.75	376	1.0	0.5	0.616	70.6	36.0	17.6	40.1	26.1	1.0	0.5	0.625	68.6	31.2	19.2	36.6	31.5	5.4	377	1.0	0.0	0.233	45.6	72.1	35.3	80.3	26.1
690	R00Y_100_050$_d$	1.0	0.5	0.75	1.0	0.5	0.75	360	1.0	0.5	0.75	70.7	37.1	10.5	38.5	15.9	1.0	0.5	0.75	69.1	32.9	10.3	34.5	17.4	4.4	360	1.0	0.0	0.5	45.9	74.2	21.1	77.1	15.9
691	B61R_100_050$_d$	1.0	0.5	0.875	1.0	0.5	0.75	344	1.0	0.5	0.883	70.7	38.6	4.0	38.8	5.9	1.0	0.5	0.875	70.2	34.0	2.5	34.1	4.2	4.9	342	1.0	0.0	0.766	45.9	77.3	8.0	77.7	5.9
692	B50R_100_050$_d$	1.0	0.5	1.0	1.0	0.5	0.75	330	1.0	0.5	1.0	70.8	39.6	−0.1	39.6	359.8	1.0	0.5	1.0	70.7	35.2	−3.7	35.4	353.9	5.7	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
693	R63Y_100_100$_d$	1.0	0.625	0.0	1.0	1.0	0.5	68	1.0	0.633	0.0	72.5	14.8	77.6	79.0	79.1	1.0	0.625	0.0	72.1	15.4	77.1	78.6	78.6	0.8	68	1.0	0.633	0.0	72.5	14.8	77.6	79.0	79.1
694	R58Y_100_087$_d$	1.0	0.625	0.125	1.0	0.875	0.562	65	1.0	0.635	0.125	72.9	17.7	65.2	67.6	74.8	1.0	0.625	0.125	73.0	15.1	66.5	68.2	77.1	2.8	65	1.0	0.583	0.0	69.7	20.2	74.6	77.3	74.8
695	R50Y_100_075$_d$	1.0	0.625	0.25	1.0	0.75	0.625	60	1.0	0.625	0.25	72.5	21.6	51.5	55.9	67.1	1.0	0.625	0.25	73.3	16.2	54.7	57.1	73.4	6.3	59	1.0	0.5	0.0	64.9	28.9	68.6	74.5	67.1
696	R38Y_100_062$_d$	1.0	0.625	0.375	1.0	0.625	0.687	53	1.0	0.614	0.375	73.0	24.7	39.1	46.2	57.6	1.0	0.625	0.375	73.7	17.5	43.5	46.9	68.0	8.4	52	1.0	0.383	0.0	59.5	39.5	62.5	74.0	57.6
697	R23Y_100_050$_d$	1.0	0.625	0.5	1.0	0.5	0.75	44	1.0	0.616	0.5	74.3	26.7	27.4	38.2	45.7	1.0	0.625	0.5	74.7	18.3	32.2	37.0	60.3	9.6	42	1.0	0.233	0.0	53.0	53.4	54.8	76.5	45.7
698	R00Y_100_037$_d$	1.0	0.625	0.625	1.0	0.375	0.812	390	1.0	0.625	0.625	76.8	26.6	16.8	31.4	32.3	1.0	0.625	0.625	76.0	19.0	21.7	28.9	48.7	9.0	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
699	R18Y_100_037$_d$	1.0	0.625	0.75	1.0	0.375	0.812	371	1.0	0.625	0.743	76.9	27.2	11.7	29.6	23.2	1.0	0.625	0.75	76.6	20.7	12.6	24.2	31.4	6.5	371	1.0	0.0	0.316	45.7	72.6	31.2	79.1	23.2
700	B65R_100_037$_d$	1.0	0.625	0.875	1.0	0.375	0.812	349	1.0	0.625	0.881	77.0	28.6	4.4	29.0	8.9	1.0	0.625	0.875	77.7	22.1	3.8	22.4	9.8	6.5	348	1.0	0.0	0.683	45.9	76.4	11.9	77.3	8.9
701	B50R_100_037$_d$	1.0	0.625	1.0	1.0	0.375	0.812	330	1.0	0.625	1.0	77.0	29.7	0.0	29.7	359.8	1.0	0.625	1.0	78.3	23.8	−3.0	24.0	352.6	6.7	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
702	R76Y_100_100$_d$	1.0	0.75	0.0	1.0	1.0	0.5	76	1.0	0.766	0.0	78.6	4.3	84.7	84.8	87.0	1.0	0.75	0.0	77.9	5.4	83.8	84.0	86.2	1.6	77	1.0	0.766	0.0	78.6	4.3	84.7	84.8	87.0
703	R73Y_100_087$_d$	1.0	0.75	0.125	1.0	0.875	0.562	74	1.0	0.766	0.125	79.4	6.0	72.6	72.9	85.2	1.0	0.75	0.125	78.7	5.4	72.0	72.2	85.6	1.1	75	1.0	0.733	0.0	77.1	6.9	83.0	83.3	85.2
704	R68Y_100_075$_d$	1.0	0.75	0.25	1.0	0.75	0.625	71	1.0	0.762	0.25	80.0	8.2	60.3	60.8	82.1	1.0	0.75	0.25	79.3	6.1	59.9	60.2	84.1	2.2	71	1.0	0.683	0.0	74.8	11.0	80.4	81.1	82.1
705	R61Y_100_062$_d$	1.0	0.75	0.375	1.0	0.625	0.687	67	1.0	0.76	0.375	80.6	10.2	47.9	49.0	77.8	1.0	0.75	0.375	79.9	7.2	47.7	48.3	81.3	3.1	67	1.0	0.616	0.0	71.6	16.4	76.6	78.4	77.8
706	R50Y_100_050$_d$	1.0	0.75	0.5	1.0	0.5	0.75	60	1.0	0.75	0.5	80.2	14.4	34.3	37.2	67.1	1.0	0.75	0.5	80.4	9.0	35.3	36.5	75.5	5.4	59	1.0	0.5	0.0	64.9	28.9	68.6	74.5	67.1
707	R31Y_100_037$_d$	1.0	0.75	0.625	1.0	0.375	0.812	49	1.0	0.743	0.625	80.9	17.1	22.2	28.1	52.2	1.0	0.75	0.625	81.3	10.8	23.7	26.1	65.5	6.5	48	1.0	0.316	0.0	56.6	45.8	59.2	74.9	52.2
708	R00Y_100_025$_d$	1.0	0.75	0.75	1.0	0.25	0.875	390	1.0	0.75	0.75	83.0	17.7	11.2	20.9	32.3	1.0	0.75	0.75	82.4	12.2	13.9	18.5	48.7	6.1	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
709	R00Y_100_025$_d$	1.0	0.75	0.875	1.0	0.25	0.875	360	1.0	0.75	0.875	83.1	18.5	5.2	19.2	15.9	1.0	0.75	0.875	83.2	13.9	5.3	14.9	21.0	4.6	360	1.0	0.0	0.5	45.9	74.2	21.1	77.1	15.9
710	B50R_100_025$_d$	1.0	0.75	1.0	1.0	0.25	0.875	330	1.0	0.75	1.0	83.2	19.8	0.0	19.8	359.8	1.0	0.75	1.0	84.0	15.8	−2.4	16.0	351.0	4.7	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
711	R88Y_100_100$_d$	1.0	0.875	0.0	1.0	1.0	0.5	83	1.0	0.883	0.0	83.7	−3.8	90.5	90.6	92.4	1.0	0.875	0.0	83.4	−3.4	90.2	90.2	92.1	0.6	83	1.0	0.883	0.0	83.7	−3.8	90.5	90.6	92.4
712	R86Y_100_087$_d$	1.0	0.875	0.125	1.0	0.875	0.562	82	1.0	0.883	0.125	84.6	−2.4	78.6	78.6	91.7	1.0	0.875	0.125	84.2	−3.3	77.6	77.6	92.4	1.3	82	1.0	0.866	0.0	83.1	−2.8	89.8	89.8	91.7
713	R85Y_100_075$_d$	1.0	0.875	0.25	1.0	0.75	0.625	81	1.0	0.887	0.25	85.6	−1.1	66.7	66.7	91.0	1.0	0.875	0.25	85.3	−3.2	65.1	65.2	92.8	2.6	81	1.0	0.85	0.0	82.3	−1.5	89.0	89.0	91.0
714	R81Y_100_062$_d$	1.0	0.875	0.375	1.0	0.625	0.687	79	1.0	0.885	0.375	86.4	0.5	54.6	54.6	89.4	1.0	0.875	0.375	85.9	−2.1	52.6	52.6	92.3	3.3	80	1.0	0.816	0.0	80.8	0.8	87.3	87.3	89.4
715	R76Y_100_050$_d$	1.0	0.875	0.5	1.0	0.5	0.75	76	1.0	0.883	0.5	87.1	2.1	42.3	42.4	87.0	1.0	0.875	0.5	86.9	−0.8	39.3	39.3	91.2	4.3	77	1.0	0.766	0.0	78.6	4.3	84.7	84.8	87.0
716	R68Y_100_037$_d$	1.0	0.875	0.625	1.0	0.375	0.812	71	1.0	0.881	0.625	87.8	4.1	30.1	30.4	82.1	1.0	0.875	0.625	87.9	0.7	27.3	27.3	88.5	4.4	71	1.0	0.683	0.0	74.8	11.0	80.4	81.1	82.1
717	R50Y_100_025$_d$	1.0	0.875	0.75	1.0	0.25	0.875	60	1.0	0.875	0.75	87.9	7.2	17.1	18.6	67.1	1.0	0.875	0.75	88.8	2.8	16.3	16.5	80.0	4.5	59	1.0	0.5	0.0	64.9	28.9	68.6	74.5	67.1
718	R00Y_100_012$_d$	1.0	0.875	0.875	1.0	0.125	0.937	390	1.0	0.875	0.875	89.3	8.8	5.6	10.4	32.3	1.0	0.875	0.875	89.8	4.6	7.1	8.5	56.8	4.4	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
719	B50R_100_012$_d$	1.0	0.875	1.0	1.0	0.125	0.937	330	1.0	0.875	1.0	89.4	9.9	0.0	9.9	359.8	1.0	0.875	1.0	90.5	6.9	−1.4	7.1	347.9	3.4	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
720	Y00G_100_100$_d$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1	0.0	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
721	Y00G_100_087$_d$	1.0	1.0	0.125	1.0	0.875	0.562	90	1.0	1.0	0.125	88.8	−8.9	83.5	84.0	96.1	1.0	1.0	0.125	88.5	−10.1	82.6	83.3	96.9	1.4	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
722	Y00G_100_075$_d$	1.0	1.0	0.25	1.0	0.75	0.625	90	1.0	1.0	0.25	89.7	−7.6	71.6	72.0	96.1	1.0	1.0	0.25	89.3	−9.7	69.6	70.3	97.9	2.8	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
723	Y00G_100_062$_d$	1.0	1.0	0.375	1.0	0.625	0.687	90	1.0	1.0	0.375	90.7	−6.3	59.6	60.0	96.1	1.0	1.0	0.375	90.3	−8.8	56.2	56.8	98.9	4.3	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
724	Y00G_100_050$_d$	1.0	1.0	0.5	1.0	0.5	0.75	90	1.0	1.0	0.5	91.7	−5.1	47.7	48.0	96.1	1.0	1.0	0.5	91.4	−7.7	42.5	43.2	100.3	5.8	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
725	Y00G_100_037$_d$	1.0	1.0	0.625	1.0	0.375	0.812	90	1.0	1.0	0.625	92.6	−3.8	35.8	36.0	96.1	1.0	1.0	0.625	92.5	−6.1	30.1	30.7	101.5	6.1	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
726	Y00G_100_025$_d$	1.0	1.0	0.75	1.0	0.25	0.875	90	1.0	1.0	0.75	93.6	−2.5	23.8	24.0	96.1	1.0	1.0	0.75	93.7	−4.3	19.0	19.5	102.8	5.1	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
727	Y00G_100_012$_d$	1.0	1.0	0.875	1.0	0.125	0.937	90	1.0	1.0	0.875	94.6	−1.2	11.9	12.0	96.1	1.0	1.0	0.875	94.8	−2.3	9.0	9.3	104.4	3.0	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
728	NW_100$_d$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0

Mean color difference of this page: **delta $E^{*\prime}$ = 3.7**

1−0032731−F0

QE370−7N, Page 28/33−F

TUB-test chart QE37; hue code: H^*_d=Y00G$_d$
colors and differences, $\Delta E^{*\prime}$

input: *rgb/cmyk* −> *rgb*$_d$
output: transfer to *cmy0*$_d$

see similar files: http://130.149.60.45/~farbmetrik/QE37/QE37.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

1−0032731−F0

QE3700L

TUB registration: 20130201-QE37/QE37L0NA.TXT /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0 (CMY0)

http://130.149.60.45/~farbmetrik/QE37/QE37L0NA.TXT /.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	95.6	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.5	0.0	0.0	0.1	112.0	0.1	360	1.0	1.0	1.0	95.6	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	90.7	−3.1	−5.1	6.0	238.4	0.875	1.0	1.0	91.9	−2.9	−4.1	5.0	234.3	1.6	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
731	G50B_100_025$_d$	0.75	1.0	1.0	1.0	0.25	0.875	210	0.75	1.0	1.0	85.9	−6.3	−10.3	12.1	238.4	0.75	1.0	1.0	87.8	−5.7	−8.6	10.3	236.4	2.7	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
732	G50B_100_037$_d$	0.625	1.0	1.0	1.0	0.375	0.812	210	0.625	1.0	1.0	81.0	−9.5	−15.5	18.2	238.4	0.625	1.0	1.0	83.2	−8.6	−13.4	15.9	237.2	3.2	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
733	G50B_100_050$_d$	0.5	1.0	1.0	1.0	0.5	0.75	210	0.5	1.0	1.0	76.2	−12.7	−20.7	24.3	238.4	0.5	1.0	1.0	77.6	−12.2	−19.4	22.9	237.6	2.0	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
734	G50B_100_062$_d$	0.375	1.0	1.0	1.0	0.625	0.687	210	0.375	1.0	1.0	71.3	−15.9	−25.9	30.4	238.4	0.375	1.0	1.0	72.3	−15.5	−24.9	29.4	238.1	1.4	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
735	G50B_100_075$_d$	0.25	1.0	1.0	1.0	0.75	0.625	210	0.25	1.0	1.0	66.5	−19.1	−31.1	36.5	238.4	0.25	1.0	1.0	66.5	−19.1	−31.2	36.6	238.4	0.0	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
736	G50B_100_087$_d$	0.125	1.0	1.0	1.0	0.875	0.562	210	0.125	1.0	1.0	61.6	−22.3	−36.3	42.6	238.4	0.125	1.0	1.0	61.2	−21.8	−36.5	42.5	239.0	0.6	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
737	G50B_100_100$_d$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4	0.0	1.0	1.0	55.3	−24.7	−42.3	49.0	239.6	1.7	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
738	R00Y_100_012$_d$	1.0	0.875	0.875	1.0	0.125	0.937	390	1.0	0.875	0.875	89.3	8.8	5.6	10.4	32.3	1.0	0.875	0.875	89.7	4.4	7.8	9.0	60.1	4.9	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
739	NW_087$_d$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.7	0.0	0.0	0.0	0.0	0.875	0.875	0.875	86.1	1.2	3.6	3.8	70.9	3.8	360	1.0	1.0	1.0	95.6	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	81.8	−3.1	−5.1	6.0	238.4	0.75	0.875	0.875	82.2	−1.9	−0.8	2.1	204.3	4.4	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
741	G50B_087_025$_d$	0.625	0.875	0.875	0.875	0.25	0.75	210	0.625	0.875	0.875	77.0	−6.3	−10.3	12.1	238.4	0.625	0.875	0.875	77.9	−5.4	−5.5	7.8	225.6	4.9	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
742	G50B_087_037$_d$	0.5	0.875	0.875	0.875	0.375	0.687	210	0.5	0.875	0.875	72.1	−9.5	−15.5	18.2	238.4	0.5	0.875	0.875	72.8	−9.5	−11.3	14.8	229.9	4.2	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
743	G50B_087_050$_d$	0.375	0.875	0.875	0.875	0.5	0.625	210	0.375	0.875	0.875	67.3	−12.7	−20.7	24.3	238.4	0.375	0.875	0.875	67.6	−13.7	−16.9	21.8	230.9	3.9	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
744	G50B_087_062$_d$	0.25	0.875	0.875	0.875	0.625	0.562	210	0.25	0.875	0.875	62.4	−15.9	−25.9	30.4	238.4	0.25	0.875	0.875	62.2	−18.3	−23.4	29.8	231.9	3.4	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
745	G50B_087_075$_d$	0.125	0.875	0.875	0.875	0.75	0.5	210	0.125	0.875	0.875	57.6	−19.1	−31.1	36.5	238.4	0.125	0.875	0.875	57.2	−22.1	−28.6	36.1	232.2	3.9	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
746	G50B_087_087$_d$	0.0	0.875	0.875	0.875	0.875	0.437	210	0.0	0.875	0.875	52.7	−22.3	−36.3	42.6	238.4	0.0	0.875	0.875	51.9	−26.3	−34.9	43.7	232.9	4.3	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
747	R00Y_100_025$_d$	1.0	0.75	0.75	1.0	0.25	0.875	390	1.0	0.75	0.75	83.0	17.7	11.2	20.9	32.3	1.0	0.75	0.75	82.3	11.7	15.1	19.1	52.1	7.1	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
748	R00Y_087_012$_d$	0.875	0.75	0.75	0.875	0.125	0.812	390	0.875	0.75	0.75	80.4	8.8	5.6	10.4	32.3	0.875	0.75	0.75	79.1	8.0	10.9	13.6	53.6	5.5	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
749	NW_075$_d$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0	0.75	0.75	0.75	75.6	4.4	6.7	8.0	56.1	8.3	360	1.0	1.0	1.0	95.6	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	72.9	−3.1	−5.1	6.0	238.4	0.625	0.75	0.75	71.2	0.3	1.9	2.0	79.0	8.2	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
751	G50B_075_025$_d$	0.5	0.75	0.75	0.75	0.25	0.625	210	0.5	0.75	0.75	68.1	−6.3	−10.3	12.1	238.4	0.5	0.75	0.75	66.4	−4.7	−3.8	6.1	219.4	6.9	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
752	G50B_075_037$_d$	0.375	0.75	0.75	0.75	0.375	0.562	210	0.375	0.75	0.75	63.2	−9.5	−15.5	18.2	238.4	0.375	0.75	0.75	61.8	−9.3	−9.6	13.4	225.8	6.0	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
753	G50B_075_050$_d$	0.25	0.75	0.75	0.75	0.5	0.5	210	0.25	0.75	0.75	58.4	−12.7	−20.7	24.3	238.4	0.25	0.75	0.75	56.5	−15.2	−16.0	22.1	226.3	5.6	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
754	G50B_075_062$_d$	0.125	0.75	0.75	0.75	0.625	0.437	210	0.125	0.75	0.75	53.5	−15.9	−25.9	30.4	238.4	0.125	0.75	0.75	52.2	−19.8	−21.1	28.9	226.8	6.3	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
755	G50B_075_075$_d$	0.0	0.75	0.75	0.75	0.75	0.375	210	0.0	0.75	0.75	48.7	−19.1	−31.1	36.5	238.4	0.0	0.75	0.75	47.3	−25.7	−27.2	37.5	226.6	7.8	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
756	R00Y_100_037$_d$	1.0	0.625	0.625	1.0	0.375	0.812	390	1.0	0.625	0.625	76.8	26.6	16.8	31.4	32.3	1.0	0.625	0.625	76.1	18.3	22.9	29.3	51.3	10.2	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
757	R00Y_087_025$_d$	0.875	0.625	0.625	0.875	0.25	0.75	390	0.875	0.625	0.625	74.1	17.7	11.2	20.9	32.3	0.875	0.625	0.625	73.0	14.4	18.5	23.5	52.0	8.0	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
758	R00Y_075_012$_d$	0.75	0.625	0.625	0.75	0.125	0.687	390	0.75	0.625	0.625	71.5	8.8	5.6	10.4	32.3	0.75	0.625	0.625	69.8	10.1	14.0	17.3	54.0	8.6	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
759	NW_062$_d$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.9	0.0	0.0	0.0	0.0	0.625	0.625	0.625	65.4	5.8	9.1	10.9	57.3	11.4	360	1.0	1.0	1.0	95.6	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	64.0	−3.1	−5.1	6.0	238.4	0.5	0.625	0.625	61.0	0.4	3.7	3.7	83.2	10.1	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
761	G50B_062_025$_d$	0.375	0.625	0.625	0.625	0.25	0.5	210	0.375	0.625	0.625	59.2	−6.3	−10.3	12.1	238.4	0.375	0.625	0.625	56.7	−5.3	−2.1	5.7	201.6	8.6	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
762	G50B_062_037$_d$	0.25	0.625	0.625	0.625	0.375	0.437	210	0.25	0.625	0.625	54.3	−9.5	−15.5	18.2	238.4	0.25	0.625	0.625	51.9	−12.3	−8.5	14.9	214.7	7.9	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
763	G50B_062_050$_d$	0.125	0.625	0.625	0.625	0.5	0.375	210	0.125	0.625	0.625	49.4	−12.7	−20.7	24.3	238.4	0.125	0.625	0.625	48.0	−18.0	−13.9	22.8	217.6	8.7	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
764	G50B_062_062$_d$	0.0	0.625	0.625	0.625	0.625	0.312	210	0.0	0.625	0.625	44.6	−15.9	−25.9	30.4	238.4	0.0	0.625	0.625	43.3	−25.1	−20.1	32.1	218.6	10.9	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
765	R00Y_100_050$_d$	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.5	70.5	35.4	22.4	41.9	32.3	1.0	0.5	0.5	68.2	29.0	29.0	41.1	45.0	9.5	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
766	R00Y_087_037$_d$	0.875	0.5	0.5	0.875	0.375	0.687	390	0.875	0.5	0.5	67.9	26.6	16.8	31.4	32.3	0.875	0.5	0.5	65.3	24.5	25.2	35.1	45.7	9.0	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
767	R00Y_075_025$_d$	0.75	0.5	0.5	0.75	0.25	0.625	390	0.75	0.5	0.5	65.2	17.7	11.2	20.9	32.3	0.75	0.5	0.5	62.2	20.1	20.1	28.5	45.0	9.7	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
768	R00Y_062_012$_d$	0.625	0.5	0.5	0.625	0.125	0.562	390	0.625	0.5	0.5	62.6	8.8	5.6	10.4	32.3	0.625	0.5	0.5	58.7	14.9	15.6	21.6	46.3	12.3	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
769	NW_050$_d$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	60.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	54.3	8.9	10.1	13.5	48.5	14.6	360	1.0	1.0	1.0	95.6	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	55.1	−3.1	−5.1	6.0	238.4	0.375	0.5	0.5	50.6	1.9	4.3	4.7	65.2	11.7	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
771	G50B_050_025$_d$	0.25	0.5	0.5	0.5	0.25	0.375	210	0.249	0.5	0.5	50.2	−6.3	−10.3	12.1	238.4	0.25	0.5	0.5	46.0	−5.6	−2.0	6.0	199.5	9.3	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
772	G50B_050_037$_d$	0.125	0.5	0.5	0.5	0.375	0.312	210	0.124	0.5	0.5	45.4	−9.5	−15.5	18.2	238.4	0.125	0.5	0.5	42.3	−12.7	−7.7	14.9	211.3	8.9	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
773	G50B_050_050$_d$	0.0	0.5	0.5	0.5	0.5	0.25	210	0.0	0.5	0.5	40.5	−12.7	−20.7	24.3	238.4	0.0	0.5	0.5	38.5	−21.4	−13.9	25.5	213.0	11.2	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
774	R00Y_100_062$_d$	1.0	0.375	0.375	1.0	0.625	0.687	390	1.0	0.375	0.375	64.2	44.3	28.0	52.4	32.3	1.0	0.375	0.375	61.4	39.0	35.7	52.9	42.4	9.7	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
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	35.4	22.4	41.9	32.3	0.875	0.375	0.375	58.9	33.9	31.5	46.3	42.8	9.6	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
776	R00Y_075_037$_d$	0.75	0.375	0.375	0.75	0.375	0.562	390	0.75	0.375	0.375	59.0	26.6	16.8	31.4	32.3	0.75	0.375	0.375	55.9	29.2	26.8	39.7	42.5	10.8	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
777	R00Y_062_025$_d$	0.625	0.375	0.375	0.625	0.25	0.5	390	0.625	0.375	0.375	56.3	17.7	11.2	20.9	32.3	0.625	0.375	0.375	52.5	23.8	21.9	32.3	42.6	12.9	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
778	R00Y_050_012$_d$	0.5	0.375	0.375	0.5	0.125	0.437	390	0.5	0.375	0.375	53.7	8.8	5.6	10.4	32.3	0.5	0.375	0.375	48.7	16.8	16.1	23.3	43.7	14.1	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
779	NW_037$_d$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	51.0	0.0	0.0	0.0	0.0	0.375	0.375	0.375	45.0	9.7	10.1	14.0	46.0	15.3	360	1.0	1.0	1.0	95.6	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	46.2	−3.1	−5.1	6.0	238.4	0.25	0.375	0.375	40.9	0.8	3.7	3.8	77.4	11.1	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
781	G50B_037_025$_d$	0.125	0.375	0.375	0.375	0.25	0.25	210	0.124	0.375	0.375	41.3	−6.3	−10.3	12.1	238.4	0.125	0.375	0.375	37.7	−7.6	−1.5	7.8	191.5	9.6	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
782	G50B_037_037$_d$	0.0	0.375	0.375	0.375	0.375	0.187	210	0.0	0.375	0.375	36.5	−9.5	−15.5	18.2	238.4	0.0	0.375	0.375	34.4	−17.9	−8.0	19.6	204.0	11.5	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
783	R00Y_100_075$_d$	1.0	0.25	0.25	1.0	0.75	0.625	390	1.0	0.25	0.25	58.0	53.2	33.6	62.9	32.3	1.0	0.25	0.25	55.3	49.7	40.6	64.1	39.2	8.2	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
784	R00Y_087_062$_d$	0.875	0.25	0.25	0.875	0.625	0.562	390	0.875	0.25	0.25	55.3	44.3	28.0	52.4	32.3	0.875	0.25	0.25	52.8	44.8	36.2	57.7	38.9	8.6	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
785	R00Y_075_050$_d$	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.25	52.7	35.4	22.4	41.9	32.3	0.75	0.25	0.25	50.1	39.4	31.1	50.3	38.3	9.9	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
786	R00Y_062_037$_d$	0.625	0.25	0.25	0.625	0.375	0.437	390	0.625	0.25	0.25	50.1	26.6	16.8	31.4	32.3	0.625	0.25	0.25	46.7	33.8	26.1	42.7	37.7	12.2	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
787	R00Y_050_025$_d$	0.5	0.25	0.25	0.5	0.25	0.375	390	0.5	0.249	0.249	47.4	17.7	11.2	20.9	32.3	0.5	0.25	0.25	43.2	26.1	19.9	32.8	37.3	12.8	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
788	R00Y_037_012$_d$	0.375	0.25	0.25	0.375	0.125	0.312	390	0.375	0.249	0.249	44.8	8.8	5.6	10.4	32.3	0.375	0.25	0.25	40.0	18.4	13.9	23.1	37.2	13.5	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
789	NW_025$_d$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	42.1	0.0	0.0	0.0	0.0	0.25	0.25	0.25	36.4	8.8	7.3	11.4	39.4	12.8	360	1.0	1.0	1.0	95.6	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	37.3	−3.1	−5.1	6.0	238.4	0.125	0.25	0.25	33.2	−0.1	1.3	1.3	95.3	8.2	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
791	G50B_025_025$_d$	0.0	0.25	0.25	0.25	0.25	0.125	210	0.0	0.25	0.25	32.4	−6.3	−10.3	12.1	238.4	0.0	0.25	0.25	30.1	−12.1	−4.7	13.0	201.5	8.3	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
792	R00Y_100_087$_d$	1.0	0.125	0.125	1.0	0.875	0.562	390	1.0	0.125	0.125	51.7	62.0	39.2	73.4	32.3	1.0	0.125	0.125	49.4	61.7	43.9	75.7	35.4	5.2	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
793	R00Y_087_075$_d$	0.875	0.125	0.125	0.875	0.75	0.5	390	0.875	0.125	0.125	49.1	53.2	33.6	62.9	32.3	0.875	0.125	0.125	46.9	56.6	39.6	69.1	34.9	7.2	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
794	R00Y_075_062$_d$	0.75	0.125	0.125	0.75	0.625	0.437	390	0.75	0.125	0.125	46.4	44.3	28.0	52.4	32.3	0.75	0.125	0.125	44.4	50.9	33.9	61.2	33.7	9.1	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
795	R00Y_062_050$_d$	0.625	0.125	0.125	0.625	0.5	0.375	390	0.625	0.125	0.125	43.8	35.4	22.4	41.9	32.3	0.625	0.125	0.125	41.3	44.8	28.5	53.1	32.5	11.4	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
796	R00Y_050_037$_d$	0.5	0.125	0.125	0.5	0.375	0.312	390	0.5	0.124	0.124	41.1	26.6	16.8	31.4	32.3	0.5	0.125	0.125	38.1	36.7	21.7	42.7	30.6	11.7	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
797	R00Y_037_025$_d$	0.375	0.125	0.125	0.375	0.25	0.25	390	0.375	0.124	0.124	38.5	17.7	11.2	20.9	32.3	0.375	0.125	0.125	34.9	28.6	15.4	32.5	28.2	12.2	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
798	R00Y_025_012$_d$	0.25	0.125	0.125	0.25	0.125	0.187	390	0.25	0.124	0.124	35.9	8.8	5.6	10.4	32.3	0.25	0.125	0.125	31.8	18.4	8.4	20.3	24.4	10.8	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
799	NW_012$_d$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	33.2	0.0	0.0	0.0	0.0	0.125	0.125	0.125	28.8	8.2	2.6	8.6	18.0	9.7	360	1.0	1.0	1.0	95.6	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	28.4	−3.1	−5.1	6.0	238.4	0.0	0.125	0.125	26.1	−4.3	−3.2	5.4	216.7	3.2	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
801	R00Y_100_100$_d$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	1.0	0.0	0.0	45.5	70.1	45.1	83.4	32.7	0.8	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
802	R00Y_087_087$_d$	0.875	0.0	0.0	0.875	0.875	0.437	390	0.875	0.0	0.0	42.8	62.0	39.2	73.4	32.3	0.875	0.0	0.0	43.0	64.9	40.8	76.6	32.1	3.2	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
803	R00Y_075_075$_d$	0.75	0.0	0.0	0.75	0.75	0.375	390	0.75	0.0	0.0	40.2	53.2	33.6	62.9	32.3	0.75	0.0	0.0	40.5	59.5	34.9	69.0	30.4	6.4	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
804	R00Y_062_062$_d$	0.625	0.0	0.0	0.625	0.625	0.312	390	0.625	0.0	0.0	37.5	44.3	28.0	52.4	32.3	0.625	0.0	0.0	37.8	52.8	29.2	60.4	28.9	8.6	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
805	R00Y_050_050$_d$	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.0	34.9	35.4	22.4	41.9	32.3	0.5	0.0	0.0	34.3	44.8	22.2	50.0	26.3	9.4	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
806	R00Y_037_037$_d$	0.375	0.0	0.0	0.375	0.375	0.187	390	0.375	0.0	0.0	32.2	26.6	16.8	31.4	32.3	0.375	0.0	0.0	31.4	36.5	15.7	39.7	23.2	10.0	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
807	R00Y_025_025$_d$	0.25	0.0	0.0	0.25	0.25	0.125	390	0.25	0.0	0.0	29.6	17.7	11.2	20.9	32.3	0.25	0.0	0.0	28.3	26.4	9.1	27.9	19.1	9.0	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
808	R00Y_012_012$_d$	0.125	0.0	0.0	0.125	0.125	0.062	390	0.125	0.0	0.0	27.0	8.8	5.6	10.4	32.3	0.125	0.0	0.0	25.8	15.3	2.7	15.5	10.1	7.1	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
809	NW_000$_d$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.9	2.2	−3.1	3.8	305.4	4.1	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0

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

1-0032831-F0

QE370−7N, Page 29/33−F

TUB-test chart QE37; hue code: H*$_d$=Y00G$_d$
colors and differences, Δ*E**'

input: *rgb/cmyk* −> *rgb*$_d$
output: transfer to *cmy0*$_d$

see similar files: http://130.149.60.45/~farbmetrik/QE37/QE37.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

1-0032831-F0

QE3700L

TUB registration: 20130201-QE37/QE37L0NA.TXT /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0 (CMY0)

http://130.149.60.45/~farbmetrik/QE37/QE37L0NA.TXT /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 30/33

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}			$LabCh^*_{Md}$				
810	NW_100$_d$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.6	0.0	0.1	0.1	116.7	0.1	360	1.0	1.0	1.0	95.6	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	86.8	3.6	−5.0	6.2	306.2	0.875	0.875	1.0	87.2	3.8	−5.3	6.6	305.3	0.5	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
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	7.3	−10.1	12.5	306.2	0.75	0.75	1.0	76.6	9.6	−10.6	14.3	312.1	2.6	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
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	11.0	−15.1	18.7	306.2	0.625	0.625	1.0	67.2	13.6	−15.6	20.8	311.0	3.2	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
814	B00R_100_050$_d$	0.5	0.5	1.0	1.0	0.5	0.75	270	0.5	0.5	1.0	60.3	14.7	−20.2	25.0	306.2	0.5	0.5	1.0	55.8	19.6	−21.4	29.1	312.4	6.7	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
815	B00R_100_062$_d$	0.375	0.375	1.0	1.0	0.625	0.687	270	0.375	0.375	1.0	51.5	18.4	−25.2	31.3	306.2	0.375	0.375	1.0	45.8	24.1	−26.3	35.7	312.5	8.1	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
816	B00R_100_075$_d$	0.25	0.25	1.0	1.0	0.75	0.625	270	0.25	0.25	1.0	42.7	22.1	−30.3	37.5	306.2	0.25	0.25	1.0	37.4	26.6	−31.6	41.3	310.1	6.9	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
817	B00R_100_087$_d$	0.125	0.125	1.0	1.0	0.875	0.562	270	0.125	0.125	1.0	33.9	25.8	−35.3	43.8	306.2	0.125	0.125	1.0	28.7	31.4	−36.1	47.8	311.0	7.6	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
818	B00R_100_100$_d$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2	0.0	0.0	1.0	23.4	30.6	−39.6	50.1	307.6	2.0	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
819	Y00G_100_012$_d$	1.0	1.0	0.875	1.0	0.125	0.937	90	1.0	1.0	0.875	94.6	−1.2	11.9	12.0	96.1	1.0	1.0	0.875	94.6	−2.5	9.9	10.2	104.1	2.3	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
820	NW_087$_d$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.7	0.0	0.0	0.0	0.0	0.875	0.875	0.875	86.3	1.2	3.7	3.9	71.1	3.9	360	1.0	1.0	1.0	95.6	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	77.9	3.6	−5.0	6.2	306.2	0.75	0.75	0.875	76.0	6.9	−2.3	7.3	341.0	4.5	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
822	B00R_087_025$_d$	0.625	0.625	0.875	0.875	0.25	0.75	270	0.625	0.625	0.875	69.0	7.3	−10.1	12.5	306.2	0.625	0.625	0.875	66.7	11.0	−8.0	13.6	323.8	4.7	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
823	B00R_087_037$_d$	0.5	0.5	0.875	0.875	0.375	0.687	270	0.5	0.5	0.875	60.2	11.0	−15.1	18.7	306.2	0.5	0.5	0.875	55.5	16.6	−14.6	22.1	318.6	7.2	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
824	B00R_087_050$_d$	0.375	0.375	0.875	0.875	0.5	0.625	270	0.375	0.375	0.875	51.4	14.7	−20.2	25.0	306.2	0.375	0.375	0.875	45.6	21.0	−20.4	29.2	315.8	8.5	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
825	B00R_087_062$_d$	0.25	0.25	0.875	0.875	0.625	0.562	270	0.25	0.25	0.875	42.6	18.4	−25.2	31.3	306.2	0.25	0.25	0.875	37.1	23.2	−26.2	35.0	311.5	7.3	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
826	B00R_087_075$_d$	0.125	0.125	0.875	0.875	0.75	0.5	270	0.125	0.125	0.875	33.8	22.1	−30.3	37.5	306.2	0.125	0.125	0.875	29.0	26.9	−31.2	41.2	310.8	6.8	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
827	B00R_087_087$_d$	0.0	0.0	0.875	0.875	0.875	0.437	270	0.0	0.0	0.875	24.9	25.8	−35.3	43.8	306.2	0.0	0.0	0.875	23.4	26.1	−35.1	43.8	306.6	1.6	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
828	Y00G_100_025$_d$	1.0	1.0	0.75	1.0	0.25	0.875	90	1.0	1.0	0.75	93.6	−2.5	23.8	24.0	96.1	1.0	1.0	0.75	93.5	−4.4	20.0	20.4	102.4	4.2	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
829	Y00G_087_012$_d$	0.875	0.875	0.75	0.875	0.125	0.812	90	0.875	0.875	0.75	85.7	−1.2	11.9	12.0	96.1	0.875	0.875	0.75	85.2	−0.7	13.0	13.1	93.4	1.3	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
830	NW_075$_d$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0	0.75	0.75	0.75	75.1	4.6	6.6	8.1	54.7	8.5	360	1.0	1.0	1.0	95.6	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	68.9	3.6	−5.0	6.2	306.2	0.625	0.625	0.75	66.1	8.4	0.2	8.4	1.7	7.7	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
832	B00R_075_025$_d$	0.5	0.5	0.75	0.75	0.25	0.625	270	0.5	0.5	0.75	60.1	7.3	−10.1	12.5	306.2	0.5	0.5	0.75	54.8	13.8	−6.8	15.4	333.6	8.9	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
833	B00R_075_037$_d$	0.375	0.375	0.75	0.75	0.375	0.562	270	0.375	0.375	0.75	51.3	11.0	−15.1	18.7	306.2	0.375	0.375	0.75	45.6	17.2	−13.3	21.7	322.1	8.5	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
834	B00R_075_050$_d$	0.25	0.25	0.75	0.75	0.5	0.5	270	0.25	0.25	0.75	42.5	14.7	−20.2	25.0	306.2	0.25	0.25	0.75	37.2	19.3	−19.7	27.6	314.5	7.0	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
835	B00R_075_062$_d$	0.125	0.125	0.75	0.75	0.625	0.437	270	0.125	0.125	0.75	33.7	18.4	−25.2	31.3	306.2	0.125	0.125	0.75	29.3	22.6	−25.7	34.2	311.4	6.1	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
836	B00R_075_075$_d$	0.0	0.0	0.75	0.75	0.75	0.375	270	0.0	0.0	0.75	24.9	22.1	−30.3	37.5	306.2	0.0	0.0	0.75	23.6	21.0	−30.2	36.9	304.8	1.6	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
837	Y00G_100_037$_d$	1.0	1.0	0.625	1.0	0.375	0.812	90	1.0	1.0	0.625	92.6	−3.8	35.8	36.0	96.1	1.0	1.0	0.625	92.4	−6.1	30.9	31.6	101.2	5.3	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
838	Y00G_087_025$_d$	0.875	0.875	0.625	0.875	0.25	0.75	90	0.875	0.875	0.625	84.7	−2.5	23.8	24.0	96.1	0.875	0.875	0.625	84.2	−2.8	23.6	23.8	96.7	0.5	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
839	Y00G_075_012$_d$	0.75	0.75	0.625	0.75	0.125	0.687	90	0.75	0.75	0.625	76.8	−1.2	11.9	12.0	96.1	0.75	0.75	0.625	74.4	2.4	16.3	16.5	81.4	6.2	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
840	NW_062$_d$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.9	0.0	0.0	0.0	0.0	0.625	0.625	0.625	65.5	5.9	9.4	11.1	57.6	11.6	360	1.0	1.0	1.0	95.6	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	60.0	3.6	−5.0	6.2	306.2	0.5	0.5	0.625	54.5	11.4	1.1	11.4	5.8	11.3	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
842	B00R_062_025$_d$	0.375	0.375	0.625	0.625	0.25	0.5	270	0.375	0.375	0.625	51.2	7.3	−10.1	12.5	306.2	0.375	0.375	0.625	45.2	14.8	−6.0	16.0	337.7	10.3	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
843	B00R_062_037$_d$	0.25	0.25	0.625	0.625	0.375	0.437	270	0.25	0.25	0.625	42.4	11.0	−15.1	18.7	306.2	0.25	0.25	0.625	36.9	16.3	−13.2	21.0	320.9	7.8	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
844	B00R_062_050$_d$	0.125	0.125	0.625	0.625	0.5	0.375	270	0.125	0.125	0.625	33.6	14.7	−20.2	25.0	306.2	0.125	0.125	0.625	29.1	19.3	−19.9	27.7	314.1	6.3	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
845	B00R_062_062$_d$	0.0	0.0	0.625	0.625	0.625	0.312	270	0.0	0.0	0.625	24.8	18.4	−25.2	31.3	306.2	0.0	0.0	0.625	23.5	16.8	−24.9	30.0	304.0	2.1	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
846	Y00G_100_050$_d$	1.0	1.0	0.5	1.0	0.5	0.75	90	1.0	1.0	0.5	91.7	−5.1	47.7	48.0	96.1	1.0	1.0	0.5	91.2	−7.6	43.4	44.1	100.0	5.0	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
847	Y00G_087_037$_d$	0.875	0.875	0.5	0.875	0.375	0.687	90	0.875	0.875	0.5	83.7	−3.8	35.8	36.0	96.1	0.875	0.875	0.5	83.1	−4.5	35.6	35.8	97.2	0.9	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
848	Y00G_075_025$_d$	0.75	0.75	0.5	0.75	0.25	0.625	90	0.75	0.75	0.5	75.8	−2.5	23.8	24.0	96.1	0.75	0.75	0.5	73.6	0.4	27.0	27.0	88.9	4.9	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
849	Y00G_062_012$_d$	0.625	0.625	0.5	0.625	0.125	0.562	90	0.625	0.625	0.5	67.9	−1.2	11.9	12.0	96.1	0.625	0.625	0.5	64.7	3.9	19.0	19.4	78.1	9.3	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
850	NW_050$_d$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	60.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	54.3	9.1	9.8	13.4	47.1	14.5	360	1.0	1.0	1.0	95.6	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	51.1	3.6	−5.0	6.2	306.2	0.375	0.375	0.5	45.1	12.0	1.6	12.1	7.7	12.2	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
852	B00R_050_025$_d$	0.25	0.25	0.5	0.5	0.25	0.375	270	0.249	0.249	0.5	42.3	7.3	−10.1	12.5	306.2	0.25	0.25	0.5	36.8	13.1	−6.7	14.7	332.9	8.6	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
853	B00R_050_037$_d$	0.125	0.125	0.5	0.5	0.375	0.312	270	0.124	0.124	0.5	33.5	11.0	−15.1	18.7	306.2	0.125	0.125	0.5	29.0	15.8	−14.1	21.2	318.3	6.6	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
854	B00R_050_050$_d$	0.0	0.0	0.5	0.5	0.5	0.25	270	0.0	0.0	0.5	24.7	14.7	−20.2	25.0	306.2	0.0	0.0	0.5	23.6	12.6	−19.4	23.2	302.9	2.5	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
855	Y00G_100_062$_d$	1.0	1.0	0.375	1.0	0.625	0.687	90	1.0	1.0	0.375	90.7	−6.3	59.6	60.0	96.1	1.0	1.0	0.375	89.9	−8.6	55.9	56.5	98.8	4.4	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
856	Y00G_087_050$_d$	0.875	0.875	0.375	0.875	0.5	0.625	90	0.875	0.875	0.375	82.8	−5.1	47.7	48.0	96.1	0.875	0.875	0.375	81.9	−5.6	47.6	47.9	96.7	1.0	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
857	Y00G_075_037$_d$	0.75	0.75	0.375	0.75	0.375	0.562	90	0.75	0.75	0.375	74.8	−3.8	35.8	36.0	96.1	0.75	0.75	0.375	72.6	−0.8	38.3	38.3	91.1	4.5	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
858	Y00G_062_025$_d$	0.625	0.625	0.375	0.625	0.25	0.5	90	0.625	0.625	0.375	66.9	−2.5	23.8	24.0	96.1	0.625	0.625	0.375	64.1	2.1	29.3	29.4	85.7	7.7	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
859	Y00G_050_012$_d$	0.5	0.5	0.375	0.5	0.125	0.437	90	0.5	0.5	0.375	59.0	−1.2	11.9	12.0	96.1	0.5	0.5	0.375	53.6	6.9	18.8	20.1	69.7	12.0	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
860	NW_037$_d$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	51.0	0.0	0.0	0.0	0.0	0.375	0.375	0.375	44.7	10.1	9.6	14.0	43.4	15.3	360	1.0	1.0	1.0	95.6	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	42.2	3.6	−5.0	6.2	306.2	0.25	0.25	0.375	36.9	10.5	0.5	10.5	3.1	10.3	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
862	B00R_037_025$_d$	0.125	0.125	0.375	0.375	0.25	0.25	270	0.124	0.124	0.375	33.4	7.3	−10.1	12.5	306.2	0.125	0.125	0.375	28.8	12.5	−7.8	14.8	328.0	7.2	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
863	B00R_037_037$_d$	0.0	0.0	0.375	0.375	0.375	0.187	270	0.0	0.0	0.375	24.6	11.0	−15.1	18.7	306.2	0.0	0.0	0.375	23.3	8.6	−14.0	16.5	301.4	2.9	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
864	Y00G_100_075$_d$	1.0	1.0	0.25	1.0	0.75	0.625	90	1.0	1.0	0.25	89.7	−7.6	71.6	72.0	96.1	1.0	1.0	0.25	88.9	−9.2	67.9	68.5	97.7	4.0	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
865	Y00G_087_062$_d$	0.875	0.875	0.25	0.875	0.625	0.562	90	0.875	0.875	0.25	81.8	−6.3	59.6	60.0	96.1	0.875	0.875	0.25	81.2	−6.4	58.4	58.8	96.2	1.3	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
866	Y00G_075_050$_d$	0.75	0.75	0.25	0.75	0.5	0.5	90	0.75	0.75	0.25	73.9	−5.1	47.7	48.0	96.1	0.75	0.75	0.25	72.1	−2.0	48.5	48.5	92.4	3.5	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
867	Y00G_062_037$_d$	0.625	0.625	0.25	0.625	0.375	0.437	90	0.625	0.625	0.25	65.9	−3.8	35.8	36.0	96.1	0.625	0.625	0.25	63.5	0.8	38.9	38.9	88.6	6.1	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
868	Y00G_050_025$_d$	0.5	0.5	0.25	0.5	0.25	0.375	90	0.5	0.5	0.249	58.0	−2.5	23.8	24.0	96.1	0.5	0.5	0.25	53.4	5.2	27.2	27.7	79.0	9.7	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
869	Y00G_037_012$_d$	0.375	0.375	0.25	0.375	0.125	0.312	90	0.375	0.375	0.249	50.1	−1.2	11.9	12.0	96.1	0.375	0.375	0.25	44.7	7.7	17.3	19.0	65.8	11.8	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
870	NW_025$_d$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	42.1	0.0	0.0	0.0	0.0	0.25	0.25	0.25	36.9	9.2	6.8	11.4	36.3	12.6	360	1.0	1.0	1.0	95.6	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	33.3	3.6	−5.0	6.2	306.2	0.125	0.125	0.25	28.8	10.2	−2.4	10.5	346.3	8.3	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
872	B00R_025_025$_d$	0.0	0.0	0.25	0.25	0.25	0.125	270	0.0	0.0	0.25	24.5	7.3	−10.1	12.5	306.2	0.0	0.0	0.25	23.9	5.9	−10.1	11.7	300.3	1.5	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
873	Y00G_100_087$_d$	1.0	1.0	0.125	1.0	0.875	0.562	90	1.0	1.0	0.125	88.8	−8.9	83.5	84.0	96.1	1.0	1.0	0.125	88.1	−9.7	80.8	81.4	96.9	2.9	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
874	Y00G_087_075$_d$	0.875	0.875	0.125	0.875	0.75	0.5	90	0.875	0.875	0.125	80.8	−7.6	71.6	72.0	96.1	0.875	0.875	0.125	80.6	−7.1	70.7	71.1	95.8	1.0	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
875	Y00G_075_062$_d$	0.75	0.75	0.125	0.75	0.625	0.437	90	0.75	0.75	0.125	72.9	−6.3	59.6	60.0	96.1	0.75	0.75	0.125	71.4	−2.8	59.7	59.8	92.7	3.8	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
876	Y00G_062_050$_d$	0.625	0.625	0.125	0.625	0.5	0.375	90	0.625	0.625	0.125	65.0	−5.1	47.7	48.0	96.1	0.625	0.625	0.125	62.9	0.2	49.0	49.0	89.7	5.8	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
877	Y00G_050_037$_d$	0.5	0.5	0.125	0.5	0.375	0.312	90	0.5	0.5	0.124	57.0	−3.8	35.8	36.0	96.1	0.5	0.5	0.125	53.1	4.2	36.2	36.5	83.2	9.0	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
878	Y00G_037_025$_d$	0.375	0.375	0.125	0.375	0.25	0.25	90	0.375	0.375	0.124	49.1	−2.5	23.8	24.0	96.1	0.375	0.375	0.125	44.1	6.5	24.6	25.5	75.2	10.3	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
879	Y00G_025_012$_d$	0.25	0.25	0.125	0.25	0.125	0.187	90	0.25	0.25	0.124	41.2	−1.2	11.9	12.0	96.1	0.25	0.25	0.125	36.7	7.6	12.8	14.9	59.0	10.0	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
880	NW_012$_d$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	33.2	0.0	0.0	0.0	0.0	0.125	0.125	0.125	28.8	8.9	1.9	9.1	12.5	10.1	360	1.0	1.0	1.0	95.6	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	24.4	3.6	−5.0	6.2	306.2	0.0	0.0	0.125	23.5	3.9	−6.7	7.8	300.0	1.9	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
882	Y00G_100_100$_d$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1	1.0	1.0	0.0	87.6	−10.0	93.9	94.5	96.0	1.5	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
883	Y00G_087_087$_d$	0.875	0.875	0.0	0.875	0.875	0.437	90	0.875	0.875	0.0	79.8	−8.9	83.5	84.0	96.1	0.875	0.875	0.0	80.0	−7.8	83.1	83.5	95.3	1.2	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
884	Y00G_075_075$_d$	0.75	0.75	0.0	0.75	0.75	0.375	90	0.75	0.75	0.0	71.9	−7.6	71.6	72.0	96.1	0.75	0.75	0.0	71.1	−3.3	71.0	71.1	92.7	4.4	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
885	Y00G_062_062$_d$	0.625	0.625	0.0	0.625	0.625	0.312	90	0.625	0.625	0.0	64.0	−6.3	59.6	60.0	96.1	0.625	0.625	0.0	62.7	−0.6	59.0	59.0	90.6	5.9	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
886	Y00G_050_050$_d$	0.5	0.5	0.0	0.5	0.5	0.25	90	0.5	0.5	0.0	56.1	−5.1	47.7	48.0	96.1	0.5	0.5	0.0	52.7	3.7	44.2	44.4	85.2	10.0	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
887	Y00G_037_037$_d$	0.375	0.375	0.0	0.375	0.375	0.187	90	0.375	0.375	0.0	48.1	−3.8	35.8	36.0	96.1	0.375	0.375	0.0	44.0	5.9	31.4	32.0	79.2	11.4	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
888	Y00G_025_025$_d$	0.25	0.25	0.0	0.25	0.25	0.125	90	0.25	0.25	0.0	40.2	−2.5	23.8	24.0	96.1	0.25	0.25	0.0	36.5	6.8	18.0	19.3	69.2	11.6	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
889	Y00G_012_012$_d$	0.125	0.125	0.0	0.125	0.125	0.062	90	0.125	0.125	0.0	32.3	−1.2	11.9	12.0	96.1	0.125	0.125	0.0	28.6	7.4	6.1	9.6	39.9	11.0	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
890	NW_000$_d$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.4	2.2	−3.7	4.3	300.5	4.4	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0

Mean color difference of this page: **delta $E^{*\prime}$ = *6.2***

1−0032931−F0

TUB-test chart QE37; hue code: H^*_d=Y00G$_d$
colors and differences, $\Delta E^{*\prime}$

input: *rgb/cmyk* −> *rgb*$_d$
output: transfer to *cmy0*$_d$

see similar files: http://130.149.60.45/~farbmetrik/QE37/QE37.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

1−0032931−F0

QE3700L

TUB registration: 20130201-QE37/QE37L0NA.TXT /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0 (CMY0)

http://130.149.60.45/~farbmetrik/QE37/QE37L0NA.TXT /.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	95.6	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.6	0.0	0.1	0.1	111.4	0.1	360	1.0	1.0	1.0	95.6	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	89.4	9.9	0.0	9.9	359.8	1.0	0.875	1.0	90.7	6.8	−1.4	6.9	348.2	3.6	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
893	B50R_100_025$_d$	1.0	0.75	1.0	1.0	0.25	0.875	330	1.0	0.75	1.0	83.2	19.8	0.0	19.8	359.8	1.0	0.75	1.0	84.2	15.6	−2.4	15.8	351.1	4.9	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
894	B50R_100_037$_d$	1.0	0.625	1.0	1.0	0.375	0.812	330	1.0	0.625	1.0	77.0	29.7	0.0	29.7	359.8	1.0	0.625	1.0	78.5	23.6	−3.2	23.8	352.2	7.0	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
895	B50R_100_050$_d$	1.0	0.5	1.0	1.0	0.5	0.75	330	1.0	0.5	1.0	70.8	39.6	−0.1	39.6	359.8	1.0	0.5	1.0	70.6	35.6	−3.8	35.8	353.8	5.5	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
896	B50R_100_062$_d$	1.0	0.375	1.0	1.0	0.625	0.687	330	1.0	0.375	1.0	64.6	49.5	−0.1	49.5	359.8	1.0	0.375	1.0	63.5	46.7	−3.8	46.9	355.3	4.7	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
897	B50R_100_075$_d$	1.0	0.25	1.0	1.0	0.75	0.625	330	1.0	0.25	1.0	58.4	59.4	−0.1	59.4	359.8	1.0	0.25	1.0	57.0	58.1	−2.9	58.1	357.1	3.4	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
898	B50R_100_087$_d$	1.0	0.125	1.0	1.0	0.875	0.562	330	1.0	0.125	1.0	52.3	69.4	−0.1	69.4	359.8	1.0	0.125	1.0	50.3	70.4	−1.6	70.4	358.6	2.6	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
899	B50R_100_100$_d$	1.0	0.0	1.0	1.0	1.0	0.5	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8	1.0	0.0	1.0	45.4	79.5	1.0	79.5	0.7	1.4	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
900	G00B_100_012$_d$	0.875	1.0	0.875	1.0	0.125	0.937	150	0.875	1.0	0.875	89.9	−8.1	3.7	8.9	155.5	0.875	1.0	0.875	90.9	−5.6	5.6	7.9	135.3	3.2	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
901	NW_087$_d$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.7	0.0	0.0	0.0	0.0	0.875	0.875	0.875	86.2	1.2	3.6	3.8	71.0	3.8	360	1.0	1.0	1.0	95.6	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	80.5	9.9	0.0	9.9	359.8	0.875	0.75	0.875	80.1	10.0	2.1	10.2	11.8	2.1	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
903	B50R_087_025$_d$	0.875	0.625	0.875	0.875	0.25	0.75	330	0.875	0.625	0.875	74.3	19.8	0.0	19.8	359.8	0.875	0.625	0.875	74.6	18.0	0.9	18.1	2.9	2.0	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
904	B50R_087_037$_d$	0.875	0.5	0.875	0.875	0.375	0.687	330	0.875	0.5	0.875	68.1	29.7	0.0	29.7	359.8	0.875	0.5	0.875	66.7	30.6	−0.6	30.6	358.7	1.7	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
905	B50R_087_050$_d$	0.875	0.375	0.875	0.875	0.5	0.625	330	0.875	0.375	0.875	61.9	39.6	−0.1	39.6	359.8	0.875	0.375	0.875	60.5	40.8	−1.0	40.8	358.5	2.0	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
906	B50R_087_062$_d$	0.875	0.25	0.875	0.875	0.625	0.562	330	0.875	0.25	0.875	55.7	49.5	−0.1	49.5	359.8	0.875	0.25	0.875	54.0	52.3	−1.0	52.3	358.7	3.3	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
907	B50R_087_075$_d$	0.875	0.125	0.875	0.875	0.75	0.5	330	0.875	0.125	0.875	49.5	59.4	−0.1	59.4	359.8	0.875	0.125	0.875	47.7	64.4	−0.5	64.4	359.4	5.3	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
908	B50R_087_087$_d$	0.875	0.0	0.875	0.875	0.875	0.437	330	0.875	0.0	0.875	43.4	69.4	−0.1	69.4	359.8	0.875	0.0	0.875	42.9	73.7	1.1	73.7	0.8	4.5	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
909	G00B_100_025$_d$	0.75	1.0	0.75	1.0	0.25	0.875	150	0.75	1.0	0.75	84.2	−16.2	7.4	17.8	155.5	0.75	1.0	0.75	85.6	−11.0	10.4	15.2	136.5	6.2	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
910	G00B_087_012$_d$	0.75	0.875	0.75	0.875	0.125	0.812	150	0.75	0.875	0.75	81.0	−8.1	3.7	8.9	155.5	0.75	0.875	0.75	81.1	−4.3	8.3	9.4	117.5	5.9	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
911	NW_075$_d$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0	0.75	0.75	0.75	75.6	4.3	6.4	7.8	56.1	8.1	360	1.0	1.0	1.0	95.6	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	71.6	9.9	0.0	9.9	359.8	0.75	0.625	0.75	70.5	12.2	4.7	13.1	21.4	5.4	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
913	B50R_075_025$_d$	0.75	0.5	0.75	0.75	0.25	0.625	330	0.75	0.5	0.75	65.4	19.8	0.0	19.8	359.8	0.75	0.5	0.75	63.2	23.9	2.7	24.1	6.6	5.4	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
914	B50R_075_037$_d$	0.75	0.375	0.75	0.75	0.375	0.562	330	0.75	0.375	0.75	59.2	29.7	0.0	29.7	359.8	0.75	0.375	0.75	57.3	34.4	1.7	34.4	2.9	5.4	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
915	B50R_075_050$_d$	0.75	0.25	0.75	0.75	0.5	0.5	330	0.75	0.25	0.75	53.0	39.6	−0.1	39.6	359.8	0.75	0.25	0.75	50.7	45.7	0.7	45.8	0.9	6.6	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
916	B50R_075_062$_d$	0.75	0.125	0.75	0.75	0.625	0.437	330	0.75	0.125	0.75	46.8	49.5	−0.1	49.5	359.8	0.75	0.125	0.75	44.9	57.7	0.1	57.7	0.1	8.4	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
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	59.4	−0.1	59.4	359.8	0.75	0.0	0.75	40.3	67.0	1.0	67.0	0.8	7.6	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
918	G00B_100_037$_d$	0.625	1.0	0.625	1.0	0.375	0.812	150	0.625	1.0	0.625	78.5	−24.3	11.1	26.7	155.5	0.625	1.0	0.625	79.8	−17.2	15.5	23.2	137.8	8.5	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
919	G00B_087_025$_d$	0.625	0.875	0.625	0.875	0.25	0.75	150	0.625	0.875	0.625	75.3	−16.2	7.4	17.8	155.5	0.625	0.875	0.625	76.0	−10.5	12.9	16.7	129.1	8.0	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
920	G00B_075_012$_d$	0.625	0.75	0.625	0.75	0.125	0.687	150	0.625	0.75	0.625	72.1	−8.1	3.7	8.9	155.5	0.625	0.75	0.625	70.7	−2.0	10.9	11.1	100.3	9.5	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
921	NW_062$_d$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.9	0.0	0.0	0.0	0.0	0.625	0.625	0.625	66.0	5.6	8.9	10.5	57.5	10.9	360	1.0	1.0	1.0	95.6	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	62.7	9.9	0.0	9.9	359.8	0.625	0.5	0.625	59.5	17.0	6.1	18.1	19.9	9.9	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
923	B50R_062_025$_d$	0.625	0.375	0.625	0.625	0.25	0.5	330	0.625	0.375	0.625	56.5	19.8	0.0	19.8	359.8	0.625	0.375	0.625	53.7	26.9	4.3	27.3	9.1	8.8	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
924	B50R_062_037$_d$	0.625	0.25	0.625	0.625	0.375	0.437	330	0.625	0.25	0.625	50.3	29.7	0.0	29.7	359.8	0.625	0.25	0.625	47.9	38.2	2.9	38.3	4.3	9.3	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
925	B50R_062_050$_d$	0.625	0.125	0.625	0.625	0.5	0.375	330	0.625	0.125	0.625	44.1	39.6	−0.1	39.6	359.8	0.625	0.125	0.625	42.0	50.1	1.3	50.1	1.5	10.7	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
926	B50R_062_062$_d$	0.625	0.0	0.625	0.625	0.625	0.312	330	0.625	0.0	0.625	37.9	49.5	−0.1	49.5	359.8	0.625	0.0	0.625	37.5	59.5	0.8	59.5	0.7	10.0	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
927	G00B_100_050$_d$	0.5	1.0	0.5	1.0	0.5	0.75	150	0.5	1.0	0.5	72.8	−32.5	14.8	35.7	155.5	0.5	1.0	0.5	73.8	−24.0	19.6	31.0	140.7	9.7	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
928	G00B_087_037$_d$	0.5	0.875	0.5	0.875	0.375	0.687	150	0.5	0.875	0.5	69.6	−24.3	11.1	26.7	155.5	0.5	0.875	0.5	70.0	−18.0	17.2	24.9	136.3	8.8	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
929	G00B_075_025$_d$	0.5	0.75	0.5	0.75	0.25	0.625	150	0.5	0.75	0.5	66.4	−16.2	7.4	17.8	155.5	0.5	0.75	0.5	65.3	−9.6	14.9	17.7	122.9	10.0	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
930	G00B_062_012$_d$	0.5	0.625	0.5	0.625	0.125	0.562	150	0.5	0.625	0.5	63.2	−8.1	3.7	8.9	155.5	0.5	0.625	0.5	61.0	−2.3	12.4	12.6	100.7	10.6	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
931	NW_050$_d$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	60.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	54.8	8.7	9.3	12.7	47.0	13.7	360	1.0	1.0	1.0	95.6	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	53.8	9.9	0.0	9.9	359.8	0.5	0.375	0.5	49.6	18.6	6.7	19.8	19.7	11.8	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
933	B50R_050_025$_d$	0.5	0.25	0.5	0.5	0.25	0.375	330	0.5	0.249	0.5	47.6	19.8	0.0	19.8	359.8	0.5	0.25	0.5	44.1	29.4	4.1	29.7	7.9	11.0	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
934	B50R_050_037$_d$	0.5	0.125	0.5	0.5	0.375	0.312	330	0.5	0.124	0.5	41.4	29.7	0.0	29.7	359.8	0.5	0.125	0.5	38.7	41.2	1.8	41.3	2.5	12.0	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
935	B50R_050_050$_d$	0.5	0.0	0.5	0.5	0.5	0.25	330	0.5	0.0	0.5	35.2	39.6	−0.1	39.6	359.8	0.5	0.0	0.5	34.5	50.1	0.7	50.1	0.8	10.5	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
936	G00B_100_062$_d$	0.375	1.0	0.375	1.0	0.625	0.687	150	0.375	1.0	0.375	67.1	−40.6	18.5	44.6	155.5	0.375	1.0	0.375	67.5	−31.6	23.8	39.6	143.0	10.4	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
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	−32.5	14.8	35.7	155.5	0.375	0.875	0.375	64.2	−26.0	21.1	33.5	140.9	9.0	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
938	G00B_075_037$_d$	0.375	0.75	0.375	0.75	0.375	0.562	150	0.375	0.75	0.375	60.7	−24.3	11.1	26.7	155.5	0.375	0.75	0.375	60.0	−17.7	18.6	25.7	133.4	10.1	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
939	G00B_062_025$_d$	0.375	0.625	0.375	0.625	0.25	0.5	150	0.375	0.625	0.375	57.5	−16.2	7.4	17.8	155.5	0.375	0.625	0.375	56.3	−10.4	16.0	19.1	123.1	10.4	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
940	G00B_050_012$_d$	0.375	0.5	0.375	0.5	0.125	0.437	150	0.375	0.5	0.375	54.3	−8.1	3.7	8.9	155.5	0.375	0.5	0.375	50.7	0.3	12.7	12.7	88.6	12.8	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
941	NW_037$_d$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	51.0	0.0	0.0	0.0	0.0	0.375	0.375	0.375	45.5	9.7	9.2	13.4	43.5	14.5	360	1.0	1.0	1.0	95.6	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	44.9	9.9	0.0	9.9	359.8	0.375	0.25	0.375	40.5	20.4	6.1	21.3	16.7	12.9	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
943	B50R_037_025$_d$	0.375	0.125	0.375	0.375	0.25	0.25	330	0.375	0.124	0.375	38.7	19.8	0.0	19.8	359.8	0.375	0.125	0.375	35.5	31.3	3.0	31.5	5.4	12.3	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
944	B50R_037_037$_d$	0.375	0.0	0.375	0.375	0.375	0.187	330	0.375	0.0	0.375	32.5	29.7	0.0	29.7	359.8	0.375	0.0	0.375	31.5	40.4	1.1	40.4	1.6	10.8	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
945	G00B_100_075$_d$	0.25	1.0	0.25	1.0	0.75	0.625	150	0.25	1.0	0.25	61.4	−48.7	22.2	53.5	155.5	0.25	1.0	0.25	61.3	−40.7	26.6	48.7	146.8	9.1	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
946	G00B_087_062$_d$	0.25	0.875	0.25	0.875	0.625	0.562	150	0.25	0.875	0.25	58.2	−40.6	18.5	44.6	155.5	0.25	0.875	0.25	58.3	−35.4	24.2	42.9	145.6	7.7	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
947	G00B_075_050$_d$	0.25	0.75	0.25	0.75	0.5	0.5	150	0.25	0.75	0.25	55.0	−32.5	14.8	35.7	155.5	0.25	0.75	0.25	54.6	−27.2	21.0	34.4	142.3	8.1	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
948	G00B_062_037$_d$	0.25	0.625	0.25	0.625	0.375	0.437	150	0.25	0.625	0.25	51.8	−24.3	11.1	26.7	155.5	0.25	0.625	0.25	51.3	−20.3	17.9	27.1	138.5	7.9	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
949	G00B_050_025$_d$	0.25	0.5	0.25	0.5	0.25	0.375	150	0.249	0.5	0.249	48.6	−16.2	7.4	17.8	155.5	0.25	0.5	0.25	46.2	−10.0	14.0	17.3	125.5	9.4	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
950	G00B_037_012$_d$	0.25	0.375	0.25	0.375	0.125	0.312	150	0.249	0.375	0.249	45.4	−8.1	3.7	8.9	155.5	0.25	0.375	0.25	41.7	−1.0	10.6	10.7	95.4	10.6	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
951	NW_025$_d$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	42.1	0.0	0.0	0.0	0.0	0.25	0.25	0.25	37.0	9.2	6.4	11.3	34.8	12.4	360	1.0	1.0	1.0	95.6	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	36.0	9.9	0.0	9.9	359.8	0.25	0.125	0.25	32.4	20.2	2.7	20.4	7.6	11.2	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
953	B50R_025_025$_d$	0.25	0.0	0.25	0.25	0.25	0.125	330	0.25	0.0	0.25	29.8	19.8	0.0	19.8	359.8	0.25	0.0	0.25	28.7	29.1	0.4	29.1	0.9	9.3	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
954	G00B_100_087$_d$	0.125	1.0	0.125	1.0	0.875	0.562	150	0.125	1.0	0.125	55.7	−56.8	25.9	62.5	155.5	0.125	1.0	0.125	55.9	−50.9	28.6	58.4	150.6	6.5	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
955	G00B_087_075$_d$	0.125	0.875	0.125	0.875	0.75	0.5	150	0.125	0.875	0.125	52.5	−48.7	22.2	53.5	155.5	0.125	0.875	0.125	53.1	−45.6	25.8	52.4	150.5	4.8	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
956	G00B_075_062$_d$	0.125	0.75	0.125	0.75	0.625	0.437	150	0.125	0.75	0.125	49.3	−40.6	18.5	44.6	155.5	0.125	0.75	0.125	49.8	−38.3	22.5	44.4	149.4	4.7	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
957	G00B_062_050$_d$	0.125	0.625	0.125	0.625	0.5	0.375	150	0.125	0.625	0.125	46.1	−32.5	14.8	35.7	155.5	0.125	0.625	0.125	46.5	−31.3	19.3	36.8	148.2	4.7	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
958	G00B_050_037$_d$	0.125	0.5	0.125	0.5	0.375	0.312	150	0.124	0.5	0.124	42.9	−24.3	11.1	26.7	155.5	0.125	0.5	0.125	42.0	−20.9	15.3	25.9	143.6	5.5	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
959	G00B_037_025$_d$	0.125	0.375	0.125	0.375	0.25	0.25	150	0.124	0.375	0.124	39.7	−16.2	7.4	17.8	155.5	0.125	0.375	0.125	37.7	−12.2	11.1	16.5	137.6	5.8	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
960	G00B_025_012$_d$	0.125	0.25	0.125	0.25	0.125	0.187	150	0.124	0.25	0.124	36.4	−8.1	3.7	8.9	155.5	0.125	0.25	0.125	33.4	−2.0	6.4	6.7	107.5	7.3	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
961	NW_012$_d$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	33.2	0.0	0.0	0.0	0.0	0.125	0.125	0.125	29.4	8.6	2.6	9.0	16.9	9.8	360	1.0	1.0	1.0	95.6	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	27.0	9.9	0.0	9.9	359.8	0.125	0.0	0.125	26.3	17.3	−0.9	17.3	356.8	7.5	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8
963	G00B_100_100$_d$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5	0.0	1.0	0.0	49.6	−65.2	27.5	70.8	157.1	2.1	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
964	G00B_087_087$_d$	0.0	0.875	0.0	0.875	0.875	0.437	150	0.0	0.875	0.0	46.8	−56.8	25.9	62.5	155.5	0.0	0.875	0.0	47.4	−60.3	24.8	65.2	157.6	3.6	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
965	G00B_075_075$_d$	0.0	0.75	0.0	0.75	0.75	0.375	150	0.0	0.75	0.0	43.6	−48.7	22.2	53.5	155.5	0.0	0.75	0.0	44.3	−53.0	21.3	57.1	158.1	4.4	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
966	G00B_062_062$_d$	0.0	0.625	0.0	0.625	0.625	0.312	150	0.0	0.625	0.0	40.4	−40.6	18.5	44.6	155.5	0.0	0.625	0.0	41.4	−45.9	17.9	49.2	158.6	5.4	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
967	G00B_050_050$_d$	0.0	0.5	0.0	0.5	0.5	0.25	150	0.0	0.5	0.0	37.2	−32.5	14.8	35.7	155.5	0.0	0.5	0.0	37.6	−36.3	13.4	38.7	159.6	4.0	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
968	G00B_037_037$_d$	0.0	0.375	0.0	0.375	0.375	0.187	150	0.0	0.375	0.0	34.0	−24.3	11.1	26.7	155.5	0.0	0.375	0.0	33.6	−26.5	9.1	28.0	160.9	2.9	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
969	G00B_025_025$_d$	0.0	0.25	0.0	0.25	0.25	0.125	150	0.0	0.25	0.0	30.7	−16.2	7.4	17.8	155.5	0.0	0.25	0.0	30.4	−16.6	4.3	17.2	165.4	3.1	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
970	G00B_012_012$_d$	0.0	0.125	0.0	0.125	0.125	0.062	150	0.0	0.125	0.0	27.5	−8.1	3.7	8.9	155.5	0.0	0.125	0.0	26.6	−6.2	0.0	6.2	179.1	4.1	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
971	NW_000$_d$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.5	2.2	−2.7	3.5	308.8	3.6	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0

Mean color difference of this page: delta *E' = *7.2***

1−0033031−F0

QE370−7N, Page 31/33−F

TUB-test chart QE37; hue code: $H^*_d=Y00G_d$
colors and differences, $\Delta E^{*\prime}$

input: *rgb/cmyk* −> *rgb*$_d$
output: transfer to *cmy0*$_d$

see similar files: http://130.149.60.45/~farbmetrik/QE37/QE37.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

1−0033031−F0

http://130.149.60.45/~farbmetrik/QE37/QE37L0NA.TXT /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 32/33

TUB registration: 20130201-QE37/QE37L0NA.TXT /.PS
TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0 (CMY0)

n	HIC^*_{Fd}	$rgb_{\_Fd}$			$ict_{\_Fd}$			$h_{si\_F,d}$	rgb^*_{Fd}			$LabCh^*_{Fd}$				
972	NW_000$_d$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0
973	NW_012$_d$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	33.2	0.0	0.0	0.0	0.0
974	NW_025$_d$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	42.1	0.0	0.0	0.0	0.0
975	NW_037$_d$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	51.0	0.0	0.0	0.0	0.0
976	NW_050$_d$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	60.0	0.0	0.0	0.0	0.0
977	NW_062$_d$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.9	0.0	0.0	0.0	0.0
978	NW_075$_d$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0
979	NW_087$_d$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.7	0.0	0.0	0.0	0.0
980	NW_100$_d$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
981	NW_000$_d$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0
982	NW_012$_d$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	33.2	0.0	0.0	0.0	0.0
983	NW_025$_d$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	42.1	0.0	0.0	0.0	0.0
984	NW_037$_d$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	51.0	0.0	0.0	0.0	0.0
985	NW_050$_d$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	60.0	0.0	0.0	0.0	0.0
986	NW_062$_d$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.9	0.0	0.0	0.0	0.0
987	NW_075$_d$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0
988	NW_087$_d$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.7	0.0	0.0	0.0	0.0
989	NW_100$_d$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
990	NW_000$_d$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0
991	NW_012$_d$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	33.2	0.0	0.0	0.0	0.0
992	NW_025$_d$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	42.1	0.0	0.0	0.0	0.0
993	NW_037$_d$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	51.0	0.0	0.0	0.0	0.0
994	NW_050$_d$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	60.0	0.0	0.0	0.0	0.0
995	NW_062$_d$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.9	0.0	0.0	0.0	0.0
996	NW_075$_d$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0
997	NW_087$_d$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.7	0.0	0.0	0.0	0.0
998	NW_100$_d$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
999	NW_000$_d$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0
1000	NW_012$_d$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	33.2	0.0	0.0	0.0	0.0
1001	NW_025$_d$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	42.1	0.0	0.0	0.0	0.0
1002	NW_037$_d$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	51.0	0.0	0.0	0.0	0.0
1003	NW_050$_d$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	60.0	0.0	0.0	0.0	0.0
1004	NW_062$_d$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.9	0.0	0.0	0.0	0.0
1005	NW_075$_d$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0
1006	NW_087$_d$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.7	0.0	0.0	0.0	0.0
1007	NW_100$_d$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1008	NW_000$_d$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0
1009	NW_006$_d$	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	29.0	0.0	0.0	0.0	0.0
1010	NW_013$_d$	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	33.8	0.0	0.0	0.0	0.0
1011	NW_020$_d$	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	38.6	0.0	0.0	0.0	0.0
1012	NW_026$_d$	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	43.3	0.0	0.0	0.0	0.0
1013	NW_033$_d$	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	48.1	0.0	0.0	0.0	0.0
1014	NW_040$_d$	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	52.8	0.0	0.0	0.0	0.0
1015	NW_046$_d$	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	57.5	0.0	0.0	0.0	0.0
1016	NW_053$_d$	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	62.3	0.0	0.0	0.0	0.0
1017	NW_060$_d$	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	67.1	0.0	0.0	0.0	0.0
1018	NW_066$_d$	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	71.8	0.0	0.0	0.0	0.0
1019	NW_073$_d$	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	76.6	0.0	0.0	0.0	0.0
1020	NW_080$_d$	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	81.3	0.0	0.0	0.0	0.0
1021	NW_086$_d$	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	86.0	0.0	0.0	0.0	0.0
1022	NW_093$_d$	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	90.8	0.0	0.0	0.0	0.0
1023	NW_100$_d$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1024	NW_000$_d$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0
1025	NW_006$_d$	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	29.0	0.0	0.0	0.0	0.0
1026	NW_013$_d$	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	33.8	0.0	0.0	0.0	0.0
1027	NW_020$_d$	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	38.6	0.0	0.0	0.0	0.0
1028	NW_026$_d$	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	43.3	0.0	0.0	0.0	0.0
1029	NW_033$_d$	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	48.1	0.0	0.0	0.0	0.0
1030	NW_040$_d$	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	52.8	0.0	0.0	0.0	0.0
1031	NW_046$_d$	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	57.5	0.0	0.0	0.0	0.0
1032	NW_053$_d$	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	62.3	0.0	0.0	0.0	0.0
1033	NW_060$_d$	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	67.1	0.0	0.0	0.0	0.0
1034	NW_066$_d$	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	71.8	0.0	0.0	0.0	0.0
1035	NW_073$_d$	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	76.6	0.0	0.0	0.0	0.0
1036	NW_080$_d$	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	81.3	0.0	0.0	0.0	0.0
1037	NW_086$_d$	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	86.0	0.0	0.0	0.0	0.0
1038	NW_093$_d$	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	90.8	0.0	0.0	0.0	0.0
1039	NW_100$_d$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1040	NW_000$_d$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0
1041	NW_006$_d$	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	29.0	0.0	0.0	0.0	0.0
1042	NW_013$_d$	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	33.8	0.0	0.0	0.0	0.0
1043	NW_020$_d$	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	38.6	0.0	0.0	0.0	0.0
1044	NW_026$_d$	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	43.3	0.0	0.0	0.0	0.0
1045	NW_033$_d$	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	48.1	0.0	0.0	0.0	0.0
1046	NW_040$_d$	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	52.8	0.0	0.0	0.0	0.0
1047	NW_046$_d$	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	57.5	0.0	0.0	0.0	0.0
1048	NW_053$_d$	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	62.3	0.0	0.0	0.0	0.0
1049	NW_060$_d$	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	67.1	0.0	0.0	0.0	0.0
1050	NW_066$_d$	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	71.8	0.0	0.0	0.0	0.0
1051	NW_073$_d$	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	76.6	0.0	0.0	0.0	0.0
1052	NW_080$_d$	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	81.3	0.0	0.0	0.0	0.0

n	$rgb^{*\prime}_{Fd}$			$LabCh^{*\prime}_{Fd}$					$DE^{*\prime}_{Fd}$	$h_{siM,d}$	rgb^*_{Md}			$LabCh^*_{Md}$				
972	0.0	0.0	0.0	23.1	1.0	−1.6	1.9	302.0	2.2	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
973	0.125	0.125	0.125	28.5	8.0	4.0	8.9	26.4	10.1	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
974	0.25	0.25	0.25	36.5	9.3	8.5	12.6	42.5	13.9	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
975	0.375	0.375	0.375	45.3	10.1	10.9	14.8	47.1	15.9	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
976	0.5	0.5	0.5	55.2	8.8	10.0	13.3	48.4	14.2	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
977	0.625	0.625	0.625	66.4	5.6	9.0	10.6	58.3	10.9	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
978	0.75	0.75	0.75	76.2	3.9	6.3	7.5	57.9	7.6	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
979	0.875	0.875	0.875	86.5	1.1	3.3	3.6	70.5	3.6	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
980	1.0	1.0	1.0	95.6	0.0	0.0	0.1	126.7	0.1	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
981	0.0	0.0	0.0	22.9	1.2	−0.6	1.4	332.7	2.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
982	0.125	0.125	0.125	28.4	8.3	4.3	9.4	27.2	10.5	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
983	0.25	0.25	0.25	35.9	9.7	9.1	13.3	43.2	14.7	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
984	0.375	0.375	0.375	45.6	9.9	11.0	14.9	47.9	15.8	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
985	0.5	0.5	0.5	55.1	8.6	9.9	13.1	49.1	14.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
986	0.625	0.625	0.625	66.2	5.6	9.1	10.7	58.2	11.1	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
987	0.75	0.75	0.75	76.0	4.1	6.1	7.4	56.0	7.6	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
988	0.875	0.875	0.875	86.6	1.2	3.4	3.6	70.8	3.6	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
989	1.0	1.0	1.0	95.6	0.0	0.0	0.0	133.9	0.1	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
990	0.0	0.0	0.0	23.0	0.5	−0.7	0.9	307.9	1.6	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
991	0.125	0.125	0.125	28.1	7.9	4.7	9.2	30.9	10.6	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
992	0.25	0.25	0.25	36.3	9.2	9.2	13.0	45.2	14.3	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
993	0.375	0.375	0.375	44.9	10.0	11.2	15.1	48.2	16.3	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
994	0.5	0.5	0.5	54.7	8.9	9.9	13.3	48.3	14.3	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
995	0.625	0.625	0.625	66.3	5.6	9.3	10.9	59.0	11.2	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
996	0.75	0.75	0.75	75.8	4.1	6.3	7.5	56.9	7.8	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
997	0.875	0.875	0.875	86.3	1.1	3.4	3.6	71.6	3.6	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
998	1.0	1.0	1.0	95.7	0.0	0.1	0.1	120.9	0.2	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
999	0.0	0.0	0.0	22.8	0.5	−0.5	0.8	317.5	1.7	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1000	0.125	0.125	0.125	27.9	8.0	4.4	9.1	28.8	10.5	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1001	0.25	0.25	0.25	35.8	9.1	9.3	13.0	45.5	14.5	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1002	0.375	0.375	0.375	44.9	10.0	11.4	15.2	48.7	16.4	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1003	0.5	0.5	0.5	54.7	9.1	10.4	13.8	48.7	14.8	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1004	0.625	0.625	0.625	66.0	5.6	9.5	11.1	59.3	11.4	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1005	0.75	0.75	0.75	75.7	4.1	6.4	7.6	57.3	7.9	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1006	0.875	0.875	0.875	86.3	1.1	3.5	3.7	71.9	3.8	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1007	1.0	1.0	1.0	95.4	0.0	0.0	0.0	113.6	0.1	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1008	0.0	0.0	0.0	23.1	1.4	−1.9	2.4	306.9	2.7	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1009	0.066	0.066	0.066	26.0	5.8	0.2	5.8	2.4	6.6	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1010	0.133	0.133	0.133	28.8	8.4	3.0	9.0	19.7	10.3	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1011	0.2	0.2	0.2	32.3	9.7	5.8	11.4	30.8	13.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1012	0.266	0.266	0.266	37.0	9.1	8.3	12.3	42.4	13.8	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1013	0.333	0.333	0.333	41.4	10.4	9.4	14.0	42.0	15.5	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1014	0.4	0.4	0.4	47.5	8.9	9.8	13.3	47.7	14.3	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1015	0.466	0.466	0.466	52.0	8.9	10.0	13.4	48.0	14.5	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1016	0.533	0.533	0.533	57.0	7.2	10.0	12.3	53.9	13.4	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1017	0.6	0.6	0.6	64.2	5.6	8.6	10.3	57.1	10.7	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1018	0.666	0.666	0.666	69.7	5.2	8.2	9.7	57.4	10.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1019	0.734	0.734	0.734	75.0	4.8	6.6	8.2	53.8	8.4	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1020	0.8	0.8	0.8	80.6	2.8	4.9	5.6	60.2	5.7	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1021	0.866	0.866	0.866	86.0	1.3	3.3	3.6	67.9	3.6	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1022	0.933	0.933	0.933	90.8	0.5	1.4	1.5	70.7	1.5	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1023	1.0	1.0	1.0	95.6	0.0	0.1	0.1	99.5	0.1	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1024	0.0	0.0	0.0	22.8	1.6	−1.4	2.1	318.9	2.6	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1025	0.066	0.066	0.066	25.8	6.1	0.6	6.1	6.1	6.9	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1026	0.133	0.133	0.133	28.5	8.6	3.3	9.2	21.0	10.6	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1027	0.2	0.2	0.2	32.1	9.8	5.8	11.4	30.5	13.1	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1028	0.266	0.266	0.266	36.9	9.9	8.4	13.0	40.4	14.5	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1029	0.333	0.333	0.333	41.1	10.3	9.6	14.1	42.7	15.7	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1030	0.4	0.4	0.4	47.5	8.4	10.0	13.1	49.7	14.1	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1031	0.466	0.466	0.466	52.2	8.6	9.4	12.8	47.5	13.9	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1032	0.533	0.533	0.533	57.5	7.3	9.1	11.7	50.9	12.6	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1033	0.6	0.6	0.6	63.9	6.1	8.7	10.6	54.8	11.1	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1034	0.666	0.666	0.666	69.4	5.6	8.0	9.8	55.1	10.1	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1035	0.734	0.734	0.734	74.9	4.7	6.4	8.0	53.5	8.2	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1036	0.8	0.8	0.8	80.7	2.8	5.0	5.7	60.7	5.7	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1037	0.866	0.866	0.866	86.0	1.2	3.4	3.6	70.1	3.6	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1038	0.933	0.933	0.933	90.9	0.4	1.4	1.5	72.5	1.5	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1039	1.0	1.0	1.0	95.7	0.0	0.0	0.0	224.9	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1040	0.0	0.0	0.0	22.9	0.8	−1.2	1.5	306.3	2.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1041	0.066	0.066	0.066	25.7	5.7	0.8	5.7	8.2	6.6	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1042	0.133	0.133	0.133	28.6	8.6	3.6	9.3	23.1	10.7	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1043	0.2	0.2	0.2	32.1	9.5	6.1	11.3	32.8	13.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1044	0.266	0.266	0.266	36.5	9.2	9.1	13.0	44.8	14.6	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1045	0.333	0.333	0.333	40.7	10.7	9.4	14.3	41.1	16.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1046	0.4	0.4	0.4	47.2	8.4	10.1	13.2	50.2	14.3	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1047	0.466	0.466	0.466	51.7	8.7	9.7	13.0	47.9	14.3	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1048	0.533	0.533	0.533	57.5	7.2	9.1	11.6	51.4	12.5	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1049	0.6	0.6	0.6	64.0	5.8	9.1	10.8	57.3	11.2	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1050	0.666	0.666	0.666	69.5	5.4	8.3	9.9	56.7	10.2	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1051	0.734	0.734	0.734	74.6	4.9	6.6	8.3	53.6	8.5	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1052	0.8	0.8	0.8	80.6	2.7	5.1	5.8	61.5	5.8	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0

Mean color difference of this page: **delta $E^{*\prime}$ = 9.2**

TUB-test chart QE37; hue code: H^*_d=Y00G$_d$
colors and differences, $\Delta E^{*\prime}$

input: *rgb/cmyk* −> rgb_d
output: transfer to $cmy0_d$

see similar files: http://130.149.60.45/~farbmetrik/QE37/QE37.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE37/QE37L0NA.TXT /.PS
TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0 (CMY0)

http://130.149.60.45/~farbmetrik/QE37/QE37L0NA.TXT /.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_086d	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	86.0	0.0	0.0	0.0	0.0
1054	NW_093d	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	90.8	0.0	0.0	0.0	0.0
1055	NW_100d	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1056	NW_000d	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0
1057	NW_006d	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	29.0	0.0	0.0	0.0	0.0
1058	NW_013d	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	33.8	0.0	0.0	0.0	0.0
1059	NW_020d	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	38.6	0.0	0.0	0.0	0.0
1060	NW_026d	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	43.3	0.0	0.0	0.0	0.0
1061	NW_033d	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	48.1	0.0	0.0	0.0	0.0
1062	NW_040d	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	52.8	0.0	0.0	0.0	0.0
1063	NW_046d	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	57.5	0.0	0.0	0.0	0.0
1064	NW_053d	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	62.3	0.0	0.0	0.0	0.0
1065	NW_060d	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	67.1	0.0	0.0	0.0	0.0
1066	NW_066d	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	71.8	0.0	0.0	0.0	0.0
1067	NW_073d	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	76.6	0.0	0.0	0.0	0.0
1068	NW_080d	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	81.3	0.0	0.0	0.0	0.0
1069	NW_086d	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	86.0	0.0	0.0	0.0	0.0
1070	NW_093d	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	90.8	0.0	0.0	0.0	0.0
1071	NW_100d	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1072	NW_000d	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0
1073	NW_100d	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1074	R00Y_100_100d	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
1075	G50B_100_100d	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
1076	Y00G_100_100d	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
1077	B00R_100_100d	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
1078	G00B_100_100d	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
1079	B50R_100_100d	1.0	0.0	1.0	1.0	1.0	0.5	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8

n	***rgb**'Fd**			***LabCh**'Fd**					***DE**'Fd**	***h*siM,d**	***rgb**Md**			***LabCh**Md**				
1053	0.866	0.866	0.866	86.1	1.2	3.4	3.7	69.9	3.7	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1054	0.933	0.933	0.933	90.8	0.4	1.4	1.5	71.6	1.5	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1055	1.0	1.0	1.0	95.6	0.0	0.1	0.1	114.3	0.1	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1056	0.0	0.0	0.0	23.0	0.7	−0.9	1.1	308.5	1.7	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1057	0.066	0.066	0.066	25.6	5.5	0.6	5.5	6.7	6.5	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1058	0.133	0.133	0.133	28.2	8.3	3.4	9.0	22.4	10.6	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1059	0.2	0.2	0.2	32.0	10.0	5.8	11.6	30.4	13.3	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1060	0.266	0.266	0.266	36.7	8.8	8.7	12.4	44.7	14.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1061	0.333	0.333	0.333	40.7	10.4	8.9	13.7	40.4	15.5	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1062	0.4	0.4	0.4	46.8	8.7	10.2	13.4	49.7	14.7	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1063	0.466	0.466	0.466	51.8	8.8	9.9	13.3	48.4	14.5	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1064	0.533	0.533	0.533	57.5	7.3	9.2	11.8	51.6	12.7	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1065	0.6	0.6	0.6	63.6	6.0	9.2	11.0	56.7	11.5	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1066	0.666	0.666	0.666	69.3	5.2	8.3	9.8	57.5	10.1	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1067	0.734	0.734	0.734	74.5	4.8	6.5	8.1	53.5	8.3	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1068	0.8	0.8	0.8	80.5	2.7	5.2	5.9	62.0	5.9	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1069	0.866	0.866	0.866	86.1	1.2	3.4	3.6	69.4	3.6	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1070	0.933	0.933	0.933	90.7	0.4	1.4	1.5	71.7	1.5	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1071	1.0	1.0	1.0	95.7	0.0	0.0	0.1	118.4	0.1	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1072	0.0	0.0	0.0	23.3	1.3	−2.4	2.8	299.2	2.9	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1073	1.0	1.0	1.0	95.7	0.0	0.0	0.0	138.7	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1074	1.0	0.0	0.0	45.4	70.5	45.5	83.9	32.8	0.7	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3
1075	0.0	1.0	1.0	56.4	−25.2	−41.8	48.8	238.9	0.5	210	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4
1076	1.0	1.0	0.0	87.5	−10.0	95.1	95.7	96.0	0.4	89	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1
1077	0.0	0.0	1.0	24.7	29.8	−40.1	49.9	306.6	0.5	270	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2
1078	0.0	1.0	0.0	49.2	−65.4	28.0	71.2	156.7	1.8	149	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5
1079	1.0	0.0	1.0	45.8	79.2	−0.2	79.2	359.8	0.2	330	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8

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

1-0033231-F0

QE370-7N, Page 33/33-F

TUB-test chart QE37; hue code: H*d=Y00Gd
colors and differences, ΔE*'

input: *rgb/cmyk* −> *rgb*d
output: transfer to *cmy0*d

see similar files: http://130.149.60.45/~farbmetrik/QE37/QE37.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik