

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

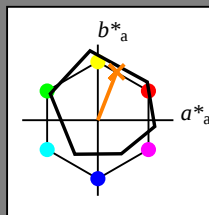
Data for any device (d) or elementary (e) colour:

HIC^*

hue text for the colours of this page:

$H^*_- = R50Y_-$

triangle lightness T^*



ORS18a; adapted (a) CIELAB data					
name	$L^*=L^*_a a^*_a$	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
R ₋ ,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):

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

$HIC^*_{-,Ma}$: R50Y_100_100_

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

1.0 0.5 0.0 1.0 1.0

triangle lightness T^*

% Gamut

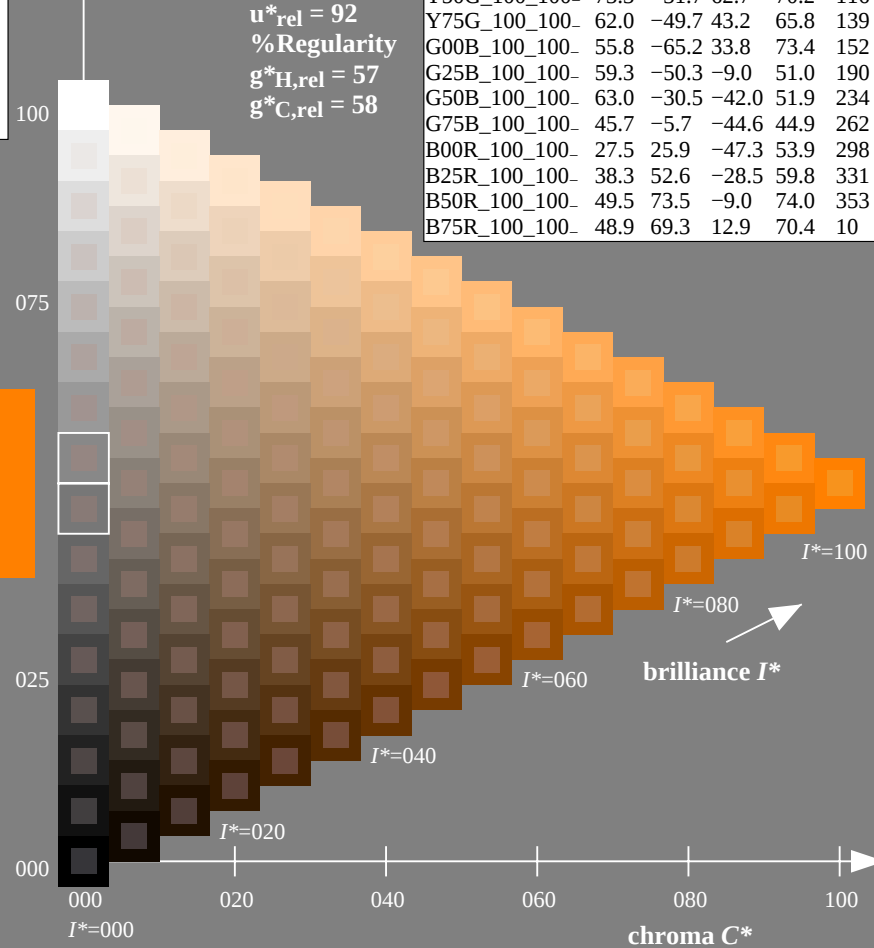
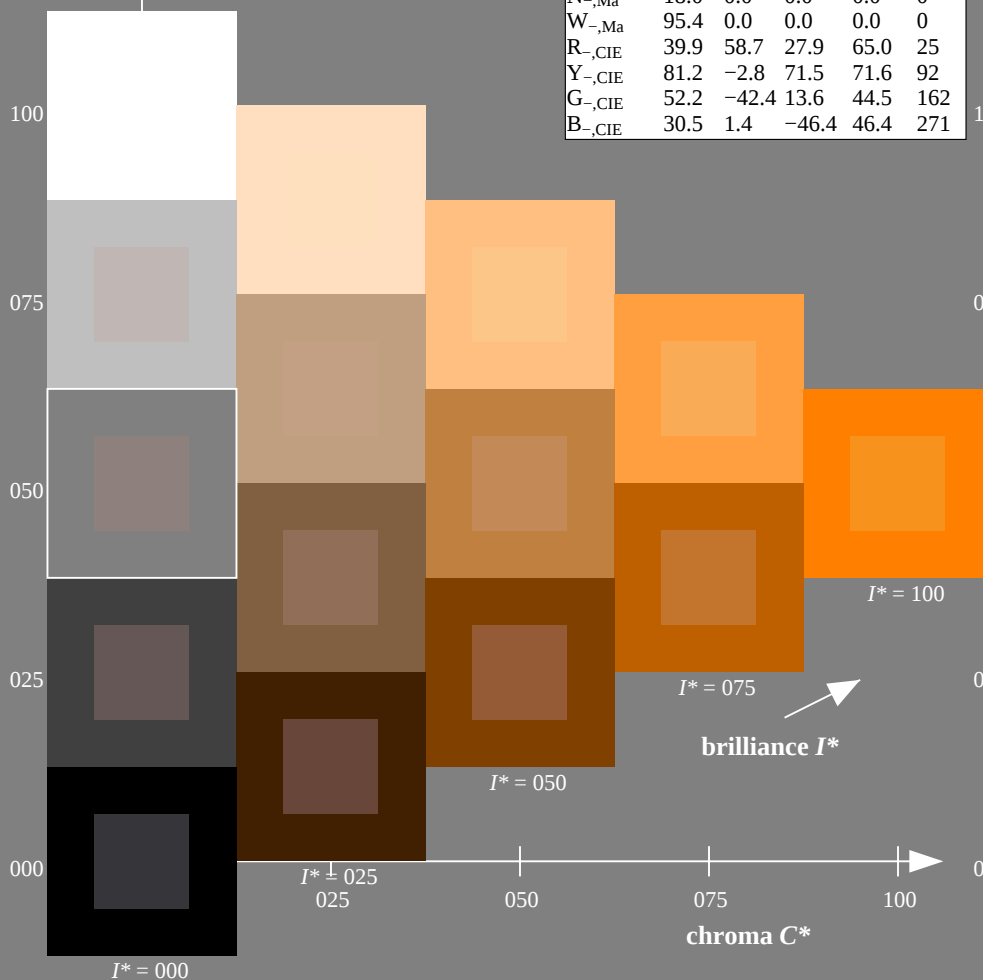
$u^*_{rel} = 92$

% Regularity

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

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

ORS20a; adapted (a) CIELAB data					
H^*_-	$L^*=L^*_a a^*_a$	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
R00Y_100_100_	48.4	66.1	40.2	77.3	31
R25Y_100_100_	56.8	48.0	50.5	69.6	46
R50Y_100_100_	68.6	25.0	63.9	68.6	68
R75Y_100_100_	80.6	4.8	77.2	77.3	86
Y00G_100_100_	90.2	-9.6	88.2	88.7	96
Y25G_100_100_	83.2	-18.4	79.9	81.9	102
Y50G_100_100_	73.3	-31.7	62.7	70.2	116
Y75G_100_100_	62.0	-49.7	43.2	65.8	139
G00B_100_100_	55.8	-65.2	33.8	73.4	152
G25B_100_100_	59.3	-50.3	-9.0	51.0	190
G50B_100_100_	63.0	-30.5	-42.0	51.9	234
G75B_100_100_	45.7	-5.7	-44.6	44.9	262
B00R_100_100_	27.5	25.9	-47.3	53.9	298
B25R_100_100_	38.3	52.6	-28.5	59.8	331
B50R_100_100_	49.5	73.5	-9.0	74.0	353
B75R_100_100_	48.9	69.3	12.9	70.4	10



TUB-test chart QE18; hue code: $H^*_-=R50Y_-$
Test chart according to DIN 33872, 3D=0, de=1, cmy0

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

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 58/360 = 0.16$

$H^*_e = R50Y_e$

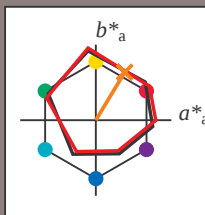
Data for any device (d) or elementary (e) colour:

HIC^*_e

hue text for the colours of this page:

$H^*_e = R50Y_e$

triangle lightness T^*



ORS20a; adapted (a) CIELAB data					
name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R_{e,Ma}$	45.6	72.2	34.4	80.0	25
$Y_{e,Ma}$	83.6	-3.6	90.4	90.4	92
$G_{e,Ma}$	50.6	-62.1	19.9	65.2	162
$C_{e,Ma}$	55.0	-36.2	-27.2	45.3	216
$B_{e,Ma}$	40.2	1.2	-40.6	40.6	271
$M_{e,Ma}$	31.1	47.7	-29.1	55.9	328
$N_{e,Ma}$	24.3	0.0	0.0	0.0	0
$W_{e,Ma}$	95.6	0.0	0.0	0.0	0
$R_{e,CIE}$	39.9	58.7	27.9	65.0	25
$Y_{e,CIE}$	81.2	-2.8	71.5	71.6	92
$G_{e,CIE}$	52.2	-42.4	13.6	44.5	162
$B_{e,CIE}$	30.5	1.4	-46.4	46.4	271

Data for maximum colour (Ma):

$LabCh^*_{e,Ma}$: 60 38 63 74 58

$HIC^*_{e,Ma}$: R50Y_100_100_e

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

1.0 0.39 0.0 1.0 1.0

triangle lightness T^*

% Gamut

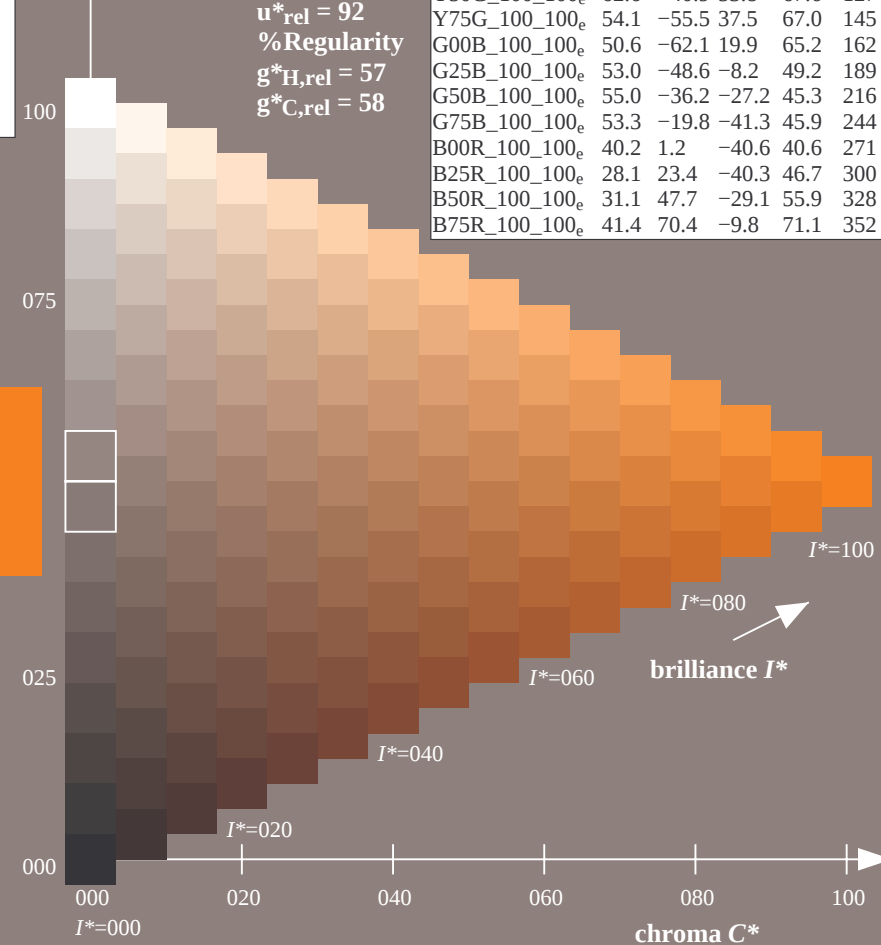
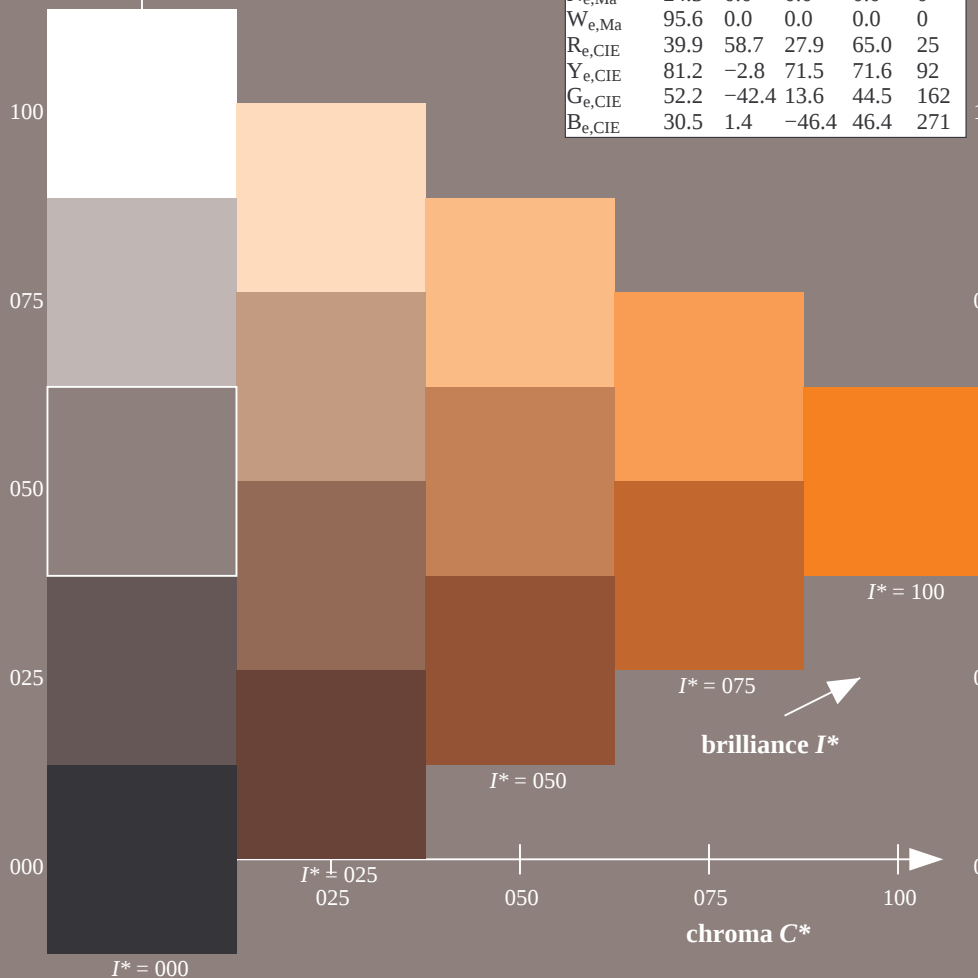
$u^*_{rel} = 92$

% Regularity

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

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

ORS20a; adapted (a) CIELAB data					
H^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100 _e	45.6	72.2	34.4	80.0	25
R25Y_100_100 _e	50.5	59.2	51.6	78.6	41
R50Y_100_100 _e	60.2	38.2	63.4	74.1	58
R75Y_100_100 _e	70.9	17.9	75.9	77.9	76
Y00G_100_100 _e	83.6	-3.6	90.4	90.4	92
Y25G_100_100 _e	74.5	-25.0	74.3	78.4	108
Y50G_100_100 _e	62.6	-40.9	53.8	67.6	127
Y75G_100_100 _e	54.1	-55.5	37.5	67.0	145
G00B_100_100 _e	50.6	-62.1	19.9	65.2	162
G25B_100_100 _e	53.0	-48.6	-8.2	49.2	189
G50B_100_100 _e	55.0	-36.2	-27.2	45.3	216
G75B_100_100 _e	53.3	-19.8	-41.3	45.9	244
B00R_100_100 _e	40.2	1.2	-40.6	40.6	271
B25R_100_100 _e	28.1	23.4	-40.3	46.7	300
B50R_100_100 _e	31.1	47.7	-29.1	55.9	328
B75R_100_100 _e	41.4	70.4	-9.8	71.1	352



TUB-test chart QE18; hue code: $H^*_e = R50Y_e$
Test chart according to DIN 33872, 3D=0, de=1, cmy0

input: $rgb/cmyk \rightarrow rgb_e$
output: transfer to $cmy0_e$

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 58/360 = 0.16$

$H^*_e = R50Y_e$

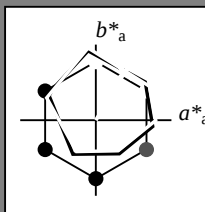
Data for any device (d) or elementary (e) colour:

HIC^*_e

hue text for the colours of this page:

$H^*_e = R50Y_e$

triangle lightness T^*



ORS20a; adapted (a) CIELAB data					
name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_e, Ma	45.6	72.2	34.4	80.0	25
Y_e, Ma	83.6	-3.6	90.4	90.4	92
G_e, Ma	50.6	-62.1	19.9	65.2	162
C_e, Ma	55.0	-36.2	-27.2	45.3	216
B_e, Ma	40.2	1.2	-40.6	40.6	271
M_e, Ma	31.1	47.7	-29.1	55.9	328
N_e, Ma	24.3	0.0	0.0	0.0	0
W_e, Ma	95.6	0.0	0.0	0.0	0
R_e, CIE	39.9	58.7	27.9	65.0	25
Y_e, CIE	81.2	-2.8	71.5	71.6	92
G_e, CIE	52.2	-42.4	13.6	44.5	162
B_e, CIE	30.5	1.4	-46.4	46.4	271

Data for maximum colour (Ma):

$LabCh^*_e, Ma: 60\ 38\ 63\ 74\ 58$

$HIC^*_e, Ma: R50Y_100_100_e$

$rgbic^*_e, Ma:$

1.0 0.39 0.0 1.0 1.0

triangle lightness T^*

% Gamut

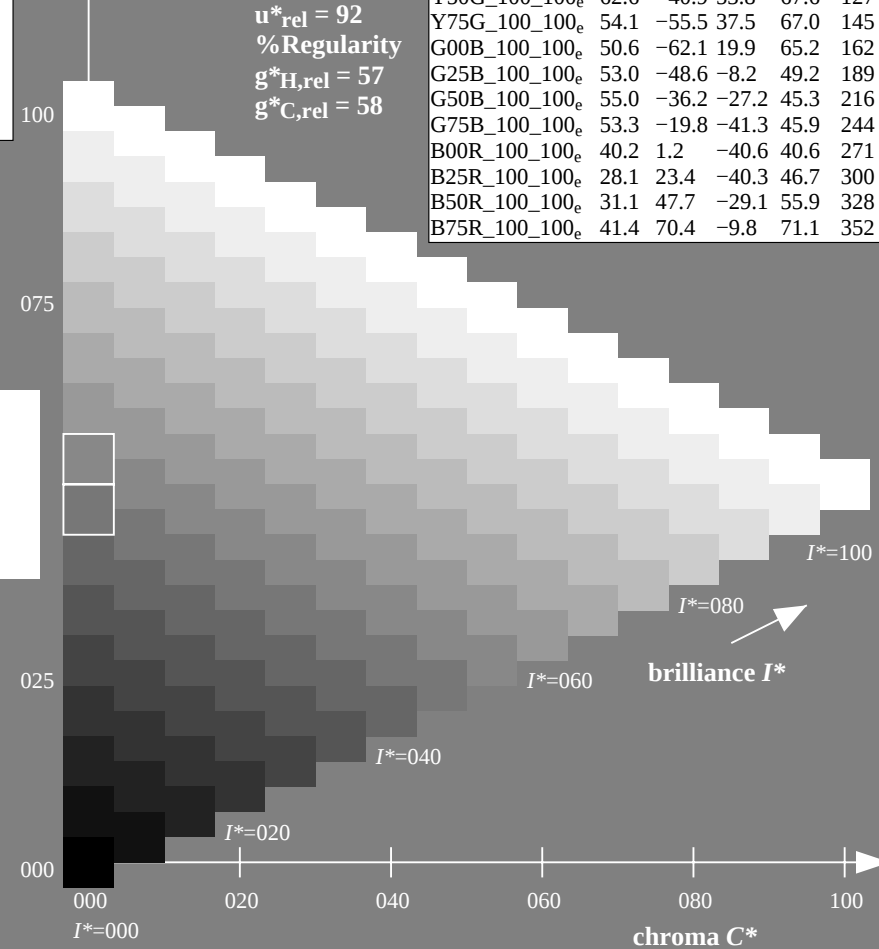
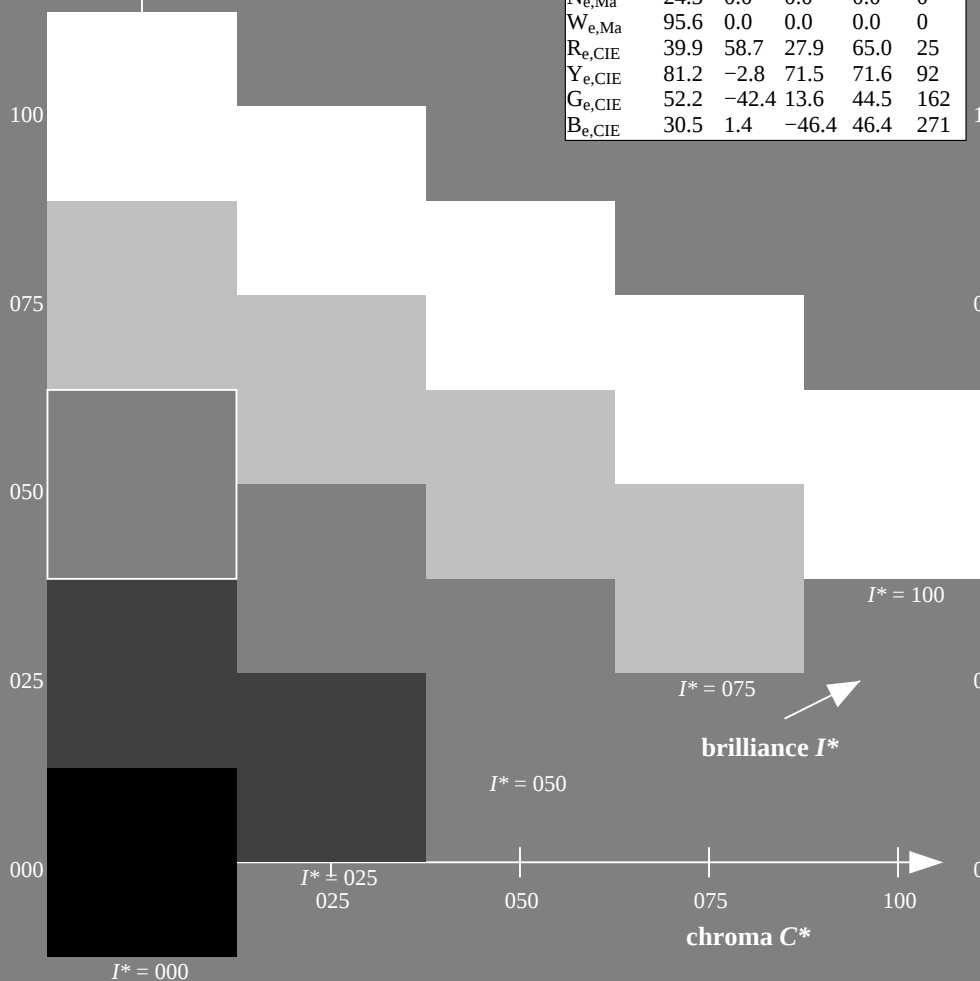
$u^*_{rel} = 92$

% Regularity

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

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

ORS20a; adapted (a) CIELAB data					
H^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R00Y_100_100_e$	45.6	72.2	34.4	80.0	25
$R25Y_100_100_e$	50.5	59.2	51.6	78.6	41
$R50Y_100_100_e$	60.2	38.2	63.4	74.1	58
$R75Y_100_100_e$	70.9	17.9	75.9	77.9	76
$Y00G_100_100_e$	83.6	-3.6	90.4	90.4	92
$Y25G_100_100_e$	74.5	-25.0	74.3	78.4	108
$Y50G_100_100_e$	62.6	-40.9	53.8	67.6	127
$Y75G_100_100_e$	54.1	-55.5	37.5	67.0	145
$G00B_100_100_e$	50.6	-62.1	19.9	65.2	162
$G25B_100_100_e$	53.0	-48.6	-8.2	49.2	189
$G50B_100_100_e$	55.0	-36.2	-27.2	45.3	216
$G75B_100_100_e$	53.3	-19.8	-41.3	45.9	244
$B00R_100_100_e$	40.2	1.2	-40.6	40.6	271
$B25R_100_100_e$	28.1	23.4	-40.3	46.7	300
$B50R_100_100_e$	31.1	47.7	-29.1	55.9	328
$B75R_100_100_e$	41.4	70.4	-9.8	71.1	352



1-013231-L0 QE180-71

TUB-test chart QE18; hue code: $H^*_e = R50Y_e$
Test chart according to DIN 33872, 3D=0, de=1, cmy0

input: $rgb/cmyk \rightarrow rgb_e$
output: transfer to $cmy0_e$

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 58/360 = 0.16$

$H^*_e = R50Y_e$

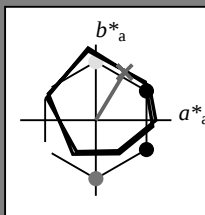
Data for any device (d) or elementary (e) colour:

HIC^*_e

hue text for the colours of this page:

$H^*_e = R50Y_e$

triangle lightness T^*



ORS20a; adapted (a) CIELAB data					
name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R_{e,Ma}$	45.6	72.2	34.4	80.0	25
$Y_{e,Ma}$	83.6	-3.6	90.4	90.4	92
$G_{e,Ma}$	50.6	-62.1	19.9	65.2	162
$C_{e,Ma}$	55.0	-36.2	-27.2	45.3	216
$B_{e,Ma}$	40.2	1.2	-40.6	40.6	271
$M_{e,Ma}$	31.1	47.7	-29.1	55.9	328
$N_{e,Ma}$	24.3	0.0	0.0	0.0	0
$W_{e,Ma}$	95.6	0.0	0.0	0.0	0
$R_{e,CIE}$	39.9	58.7	27.9	65.0	25
$Y_{e,CIE}$	81.2	-2.8	71.5	71.6	92
$G_{e,CIE}$	52.2	-42.4	13.6	44.5	162
$B_{e,CIE}$	30.5	1.4	-46.4	46.4	271

Data for maximum colour (Ma):

$LabCh^*_{e,Ma}$: 60 38 63 74 58

$HIC^*_{e,Ma}$: R50Y_100_100_e

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

1.0 0.39 0.0 1.0 1.0

triangle lightness T^*

% Gamut

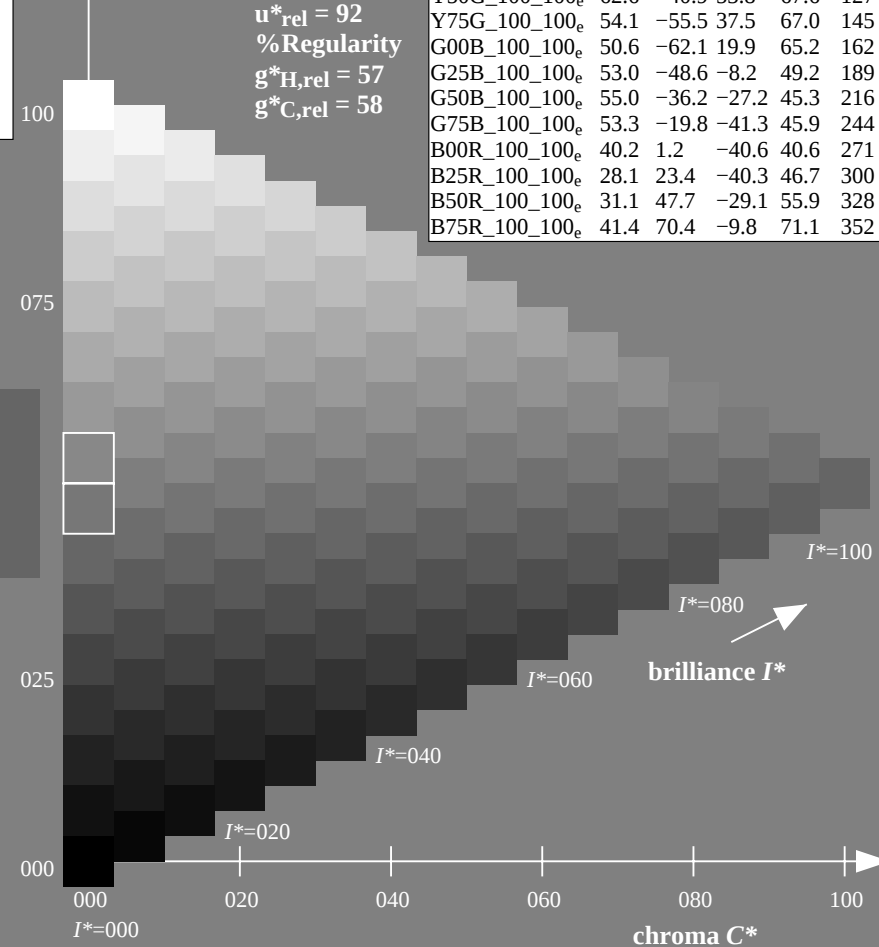
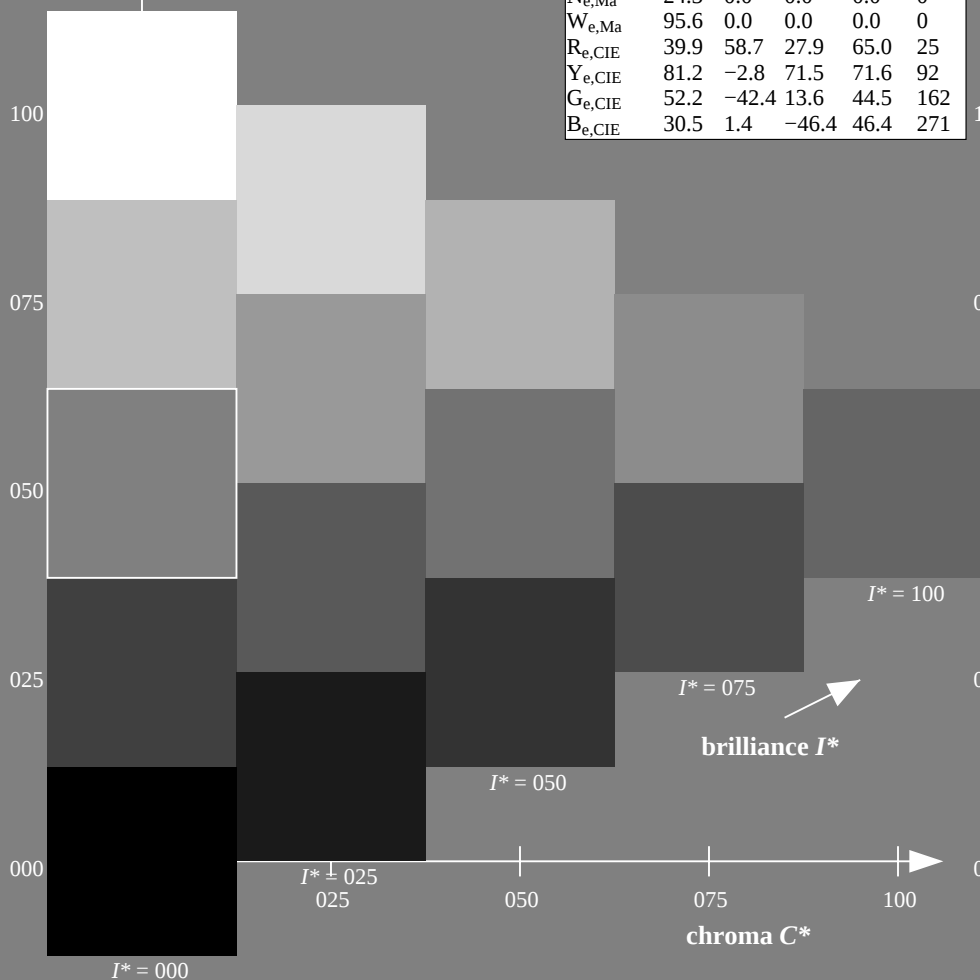
$u^*_{rel} = 92$

% Regularity

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

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

ORS20a; adapted (a) CIELAB data					
H^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R00Y_100_100_e$	45.6	72.2	34.4	80.0	25
$R25Y_100_100_e$	50.5	59.2	51.6	78.6	41
$R50Y_100_100_e$	60.2	38.2	63.4	74.1	58
$R75Y_100_100_e$	70.9	17.9	75.9	77.9	76
$Y00G_100_100_e$	83.6	-3.6	90.4	90.4	92
$Y25G_100_100_e$	74.5	-25.0	74.3	78.4	108
$Y50G_100_100_e$	62.6	-40.9	53.8	67.6	127
$Y75G_100_100_e$	54.1	-55.5	37.5	67.0	145
$G00B_100_100_e$	50.6	-62.1	19.9	65.2	162
$G25B_100_100_e$	53.0	-48.6	-8.2	49.2	189
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$G75B_100_100_e$	53.3	-19.8	-41.3	45.9	244
$B00R_100_100_e$	40.2	1.2	-40.6	40.6	271
$B25R_100_100_e$	28.1	23.4	-40.3	46.7	300
$B50R_100_100_e$	31.1	47.7	-29.1	55.9	328
$B75R_100_100_e$	41.4	70.4	-9.8	71.1	352



TUB-test chart QE18; hue code: $H^*_e = R50Y_e$
Test chart according to DIN 33872, 3D=0, de=1, cmy0

input: $rgb/cmyk \rightarrow rgb_e$
output: transfer to $cmy0_e$

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 58/360 = 0.16$

$H^*_e = R50Y_e$

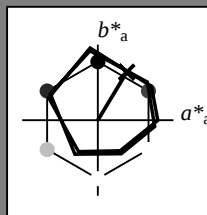
Data for any device (d) or elementary (e) colour:

HIC^*_e

hue text for the colours of this page:

$H^*_e = R50Y_e$

triangle lightness T^*



ORS20a; adapted (a) CIELAB data					
name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R_{e,Ma}$	45.6	72.2	34.4	80.0	25
$Y_{e,Ma}$	83.6	-3.6	90.4	90.4	92
$G_{e,Ma}$	50.6	-62.1	19.9	65.2	162
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$M_{e,Ma}$	31.1	47.7	-29.1	55.9	328
$N_{e,Ma}$	24.3	0.0	0.0	0.0	0
$W_{e,Ma}$	95.6	0.0	0.0	0.0	0
$R_{e,CIE}$	39.9	58.7	27.9	65.0	25
$Y_{e,CIE}$	81.2	-2.8	71.5	71.6	92
$G_{e,CIE}$	52.2	-42.4	13.6	44.5	162
$B_{e,CIE}$	30.5	1.4	-46.4	46.4	271

Data for maximum colour (Ma):

$LabCh^*_{e,Ma}$: 60 38 63 74 58

$HIC^*_{e,Ma}$: R50Y_100_100_e

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

1.0 0.39 0.0 1.0 1.0

triangle lightness T^*

% Gamut

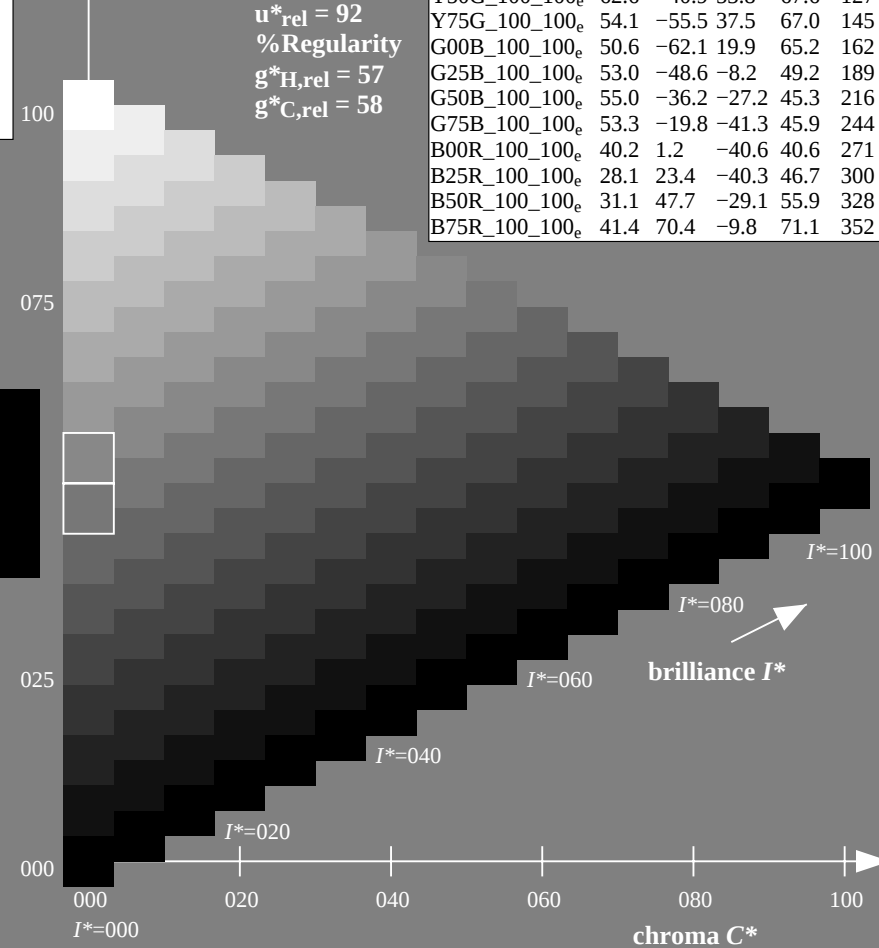
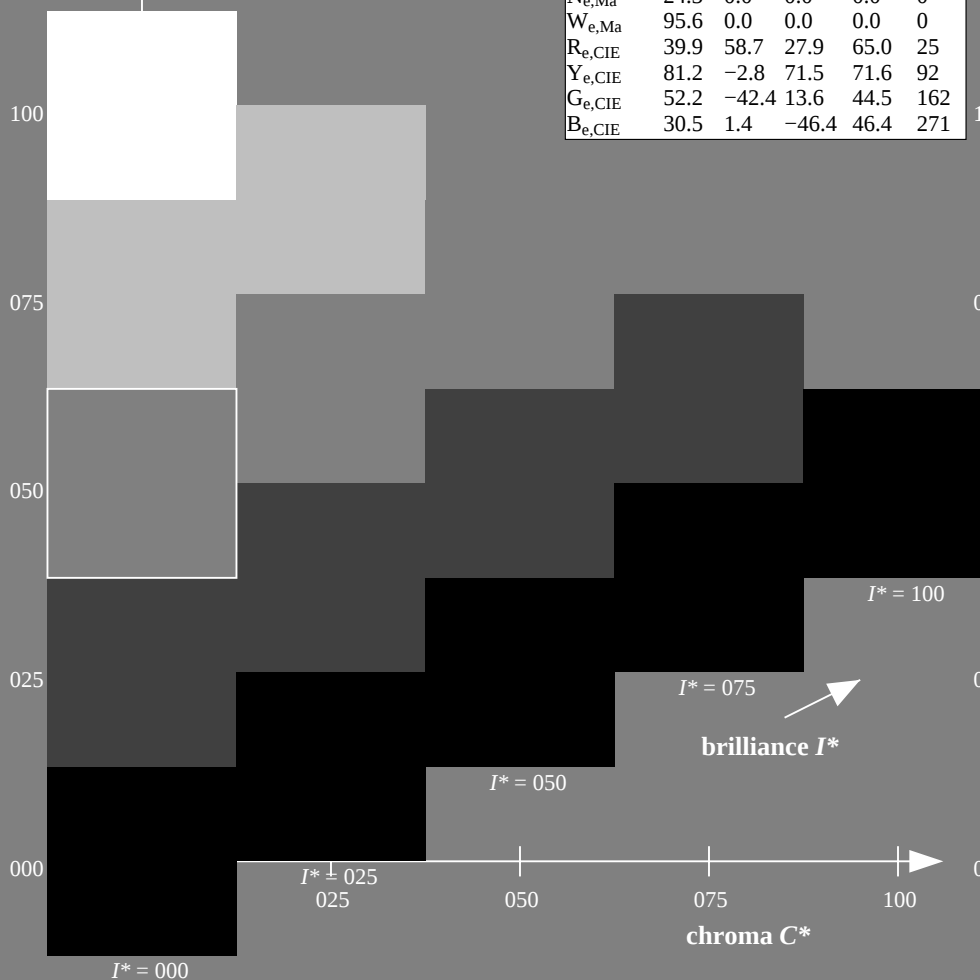
$u^*_{rel} = 92$

% Regularity

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

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

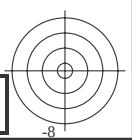
ORS20a; adapted (a) CIELAB data					
H^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R00Y_{100_100_e}$	45.6	72.2	34.4	80.0	25
$R25Y_{100_100_e}$	50.5	59.2	51.6	78.6	41
$R50Y_{100_100_e}$	60.2	38.2	63.4	74.1	58
$R75Y_{100_100_e}$	70.9	17.9	75.9	77.9	76
$Y00G_{100_100_e}$	83.6	-3.6	90.4	90.4	92
$Y25G_{100_100_e}$	74.5	-25.0	74.3	78.4	108
$Y50G_{100_100_e}$	62.6	-40.9	53.8	67.6	127
$Y75G_{100_100_e}$	54.1	-55.5	37.5	67.0	145
$G00B_{100_100_e}$	50.6	-62.1	19.9	65.2	162
$G25B_{100_100_e}$	53.0	-48.6	-8.2	49.2	189
$G50B_{100_100_e}$	55.0	-36.2	-27.2	45.3	216
$G75B_{100_100_e}$	53.3	-19.8	-41.3	45.9	244
$B00R_{100_100_e}$	40.2	1.2	-40.6	40.6	271
$B25R_{100_100_e}$	28.1	23.4	-40.3	46.7	300
$B50R_{100_100_e}$	31.1	47.7	-29.1	55.9	328
$B75R_{100_100_e}$	41.4	70.4	-9.8	71.1	352



TUB-test chart QE18; hue code: $H^*_e = R50Y_e$
Test chart according to DIN 33872, 3D=0, de=1, cmy0

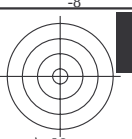
input: $rgb/cmyk \rightarrow rgb_e$
output: transfer to $cmy0_e$

TUB registration: 20130201-QE18/QE18L0NP.PDF /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0 (CMY0)

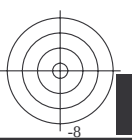


input: $rgb/cmyk \rightarrow rgb_e$
output: transfer to $cmy0_e$

http://130.149.60.45/~farbmetrik/QE18/QE18L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 6/33



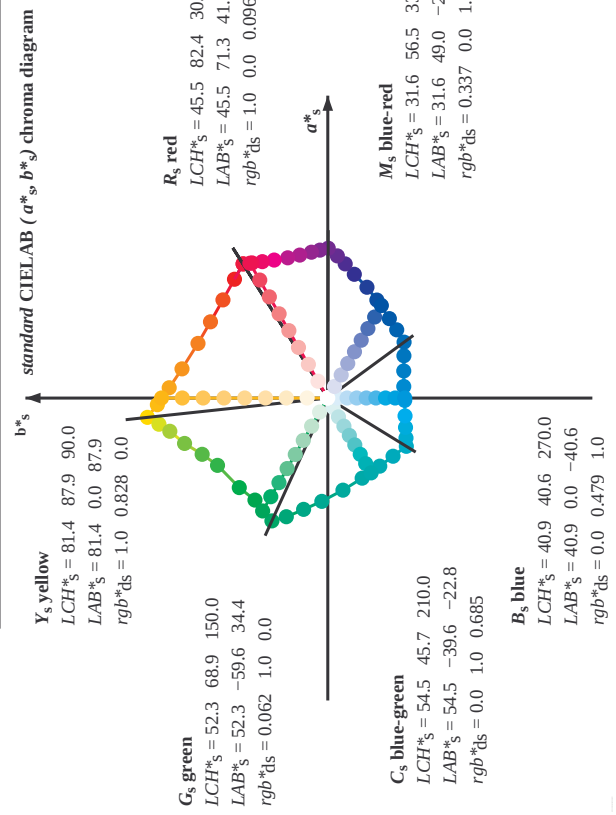
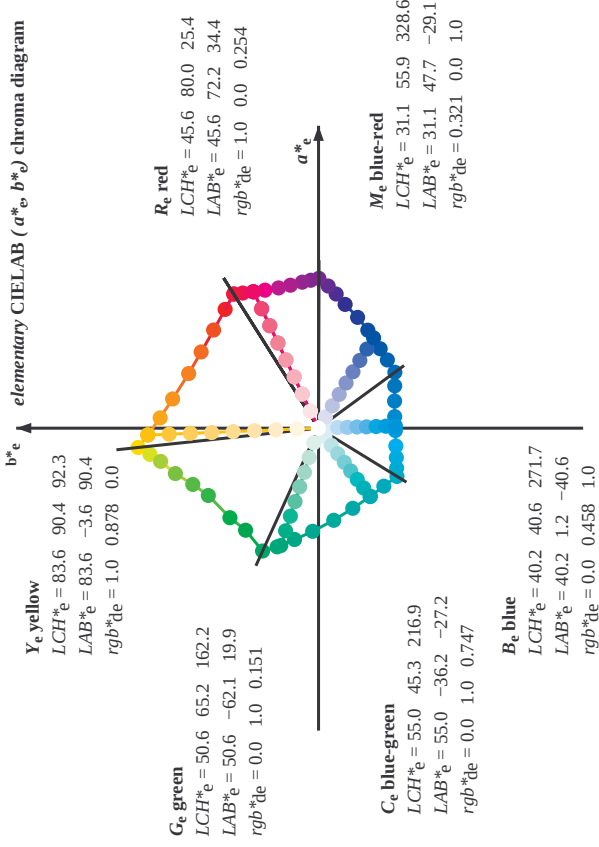
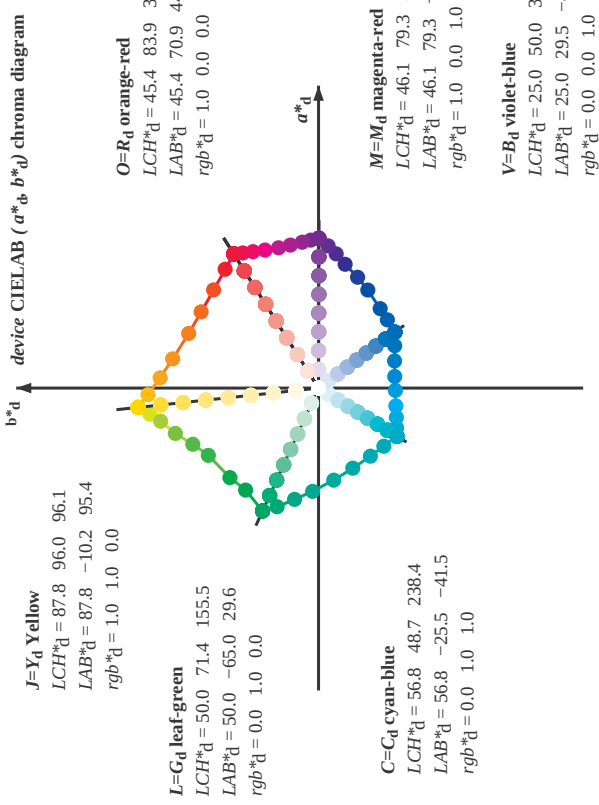
see similar files: <http://130.149.60.45/~farbmetrik/QE18/QE18.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>



1-013531-L0 QE180-71
TUB-test chart QE18; hue code: $H^*_e=R50Y_e$
Test chart according to DIN 33872, 3D=0, de=1, $cmy0$



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



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

1. For the rgb^*_e -input values the CIELAB data LCH^*_e and LAB^*_e have been calculated.
2. For the calculation of the standard hue angle h_{ab} use for any device values rgb^*_e the equation:
$$h_{ab,s} = \arctan \left[\frac{r^*_d \cos(30) + g^*_d \sin(150)}{1 / r^*_d \sin(30) + g^*_d \sin(150)} + b^*_d \sin(270) \right] \quad (1)$$
3. For the 48 or 360 equally spaced standard hue angles h_{ab} of the colours of maximum chroma use the seven hue angles of the 60 degree colours e : $h_{ab,e} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0, 390.0$ ($i=0,6$) and the equations for a 48 and 360 step hue circle:
$$h_{48ab,si,j} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 8 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (2)$$
$$h_{360ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (3)$$
4. For the 48 or 360 elementary hue angles h_{ab} of the colours of maximum chroma use the seven hue angles of the elementary colours e : $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6, 385.5$ ($i=0,6$) and the equations for a 48 and 360 step elementary hue circle:
$$h_{48ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 8 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (4)$$
$$h_{360ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (5)$$
5. For any elementary hue angle h_{ab} 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^*_e produce the output of the device-independent elementary hues

Input: $rgb/cmyk \rightarrow rgb_e$
Output: transfer to $cmy0_e$

http://130.149.60.45/~farbmatrik/QE18/QE18L0NP.PDF /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 8/33



Six hue angles of the 60 degree standard colours RYGBM; $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$; Six hue angles of the device colours RYGBM; $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$; Six hue angles of the elementary colours RYGBM; $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$									
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{d64M}	rgb^*_{d64M}	LAB^*_{d64M}	rgb^*_{d361M}	LAB^*_{d361M}	rgb^*_{d361M}	LAB^*_{d361M}
32.3	30.0	25.4	1.0	0.0	45.4	70.9	44.9	83.9	32.3
38.1	37.5	33.8	1.0	0.117	0.0	48.7	63.4	49.1	80.2
46.8	45.0	42.1	1.0	0.25	0.0	53.6	51.9	55.5	76.0
56.9	52.5	50.5	1.0	0.375	0.0	59.1	40.3	62.0	74.0
67.1	60.0	58.8	1.0	0.5	0.0	64.9	28.9	68.7	74.5
78.6	67.5	67.2	1.0	0.625	0.0	72.1	15.4	77.1	78.6
86.2	75.0	75.6	1.0	0.75	0.0	77.9	5.4	83.8	84.0
92.1	82.5	83.9	1.0	0.875	0.0	83.4	-3.4	90.2	92.1
96.1	90.0	92.3	1.0	1.0	0.0	87.8	-10.2	95.4	96.0
98.8	97.5	101.0	0.875	1.0	0.0	84.3	-13.9	89.2	90.3
101.8	105.0	109.7	0.75	1.0	0.0	80.7	-17.5	83.5	85.3
107.6	112.5	118.5	0.625	1.0	0.0	75.3	-24.0	77.5	79.4
114.0	120.0	127.2	0.5	1.0	0.0	70.6	-29.7	66.5	72.8
121.4	127.5	136.0	0.375	1.0	0.0	65.7	-35.5	58.3	68.3
135.3	135.0	144.7	0.25	1.0	0.0	58.4	-47.3	46.8	66.6
144.4	142.5	153.4	0.125	1.0	0.0	54.7	-53.9	38.5	66.3
155.5	150.0	162.2	0.1	1.0	0.0	50.0	-65.0	29.6	71.4
160.7	157.5	169.0	0.0	1.0	0.125	50.5	-62.8	21.9	66.5
167.7	165.0	175.9	0.0	1.0	0.25	51.2	-58.9	12.7	60.3
176.7	172.5	182.7	0.0	1.0	0.375	52.0	-54.5	3.1	54.6
189.3	180.0	189.6	0.0	1.0	0.5	52.9	-48.6	-8.0	49.3
203.2	187.5	196.4	0.0	1.0	0.625	54.0	-42.3	-18.1	46.1
217.2	195.0	203.2	0.0	1.0	0.75	55.0	-36.0	-27.4	45.3
228.3	202.5	210.1	0.0	1.0	0.875	55.8	-30.7	-34.5	46.2
238.4	210.0	216.9	0.0	1.0	1.0	56.8	-25.5	-41.5	48.7
242.9	217.5	223.8	0.0	0.875	1.0	54.1	-21.1	-41.3	46.4
249.3	225.0	230.6	0.0	0.75	1.0	50.4	-15.5	-41.1	43.9
256.9	232.5	237.5	0.0	0.625	1.0	46.5	-9.4	-40.8	41.9
268.2	240.0	244.3	0.0	0.5	1.0	41.7	-1.2	-40.6	40.6
278.6	247.5	251.2	0.0	0.375	1.0	37.3	6.1	-40.2	40.7
289.6	255.0	258.0	0.0	0.25	1.0	32.8	14.3	-40.2	42.7
299.0	262.5	264.8	0.0	0.125	1.0	28.6	22.4	-40.2	46.1
306.2	270.0	271.7	0.0	0.0	1.0	25.0	29.5	-40.4	50.0
314.7	277.5	278.8	0.125	0.0	1.0	27.9	36.0	-36.4	51.2
322.1	285.0	285.9	0.25	0.0	1.0	28.8	41.9	-32.5	53.1
333.3	292.5	293.0	0.375	0.0	1.0	32.7	51.8	-26.0	58.0
340.5	300.0	300.1	0.5	0.0	1.0	35.6	58.6	-20.7	62.1
347.9	307.5	307.2	0.625	0.0	1.0	38.1	65.4	-14.0	66.9
352.5	315.0	314.3	0.75	0.0	1.0	41.8	71.0	-9.2	71.6
356.1	322.5	321.4	0.875	0.0	1.0	44.2	75.2	-5.0	75.3
359.8	330.0	328.6	1.0	0.0	1.0	46.1	79.3	-0.2	79.3
363.0	337.5	335.7	1.0	0.0	0.875	45.9	78.2	4.1	78.3
366.4	345.0	342.8	1.0	0.0	0.75	45.9	77.1	8.6	77.6
371.1	352.5	349.9	1.0	0.0	0.625	46.0	75.6	14.8	77.0
375.9	360.0	357.0	1.0	0.0	0.5	45.9	74.2	21.1	77.1
381.2	367.5	364.1	1.0	0.0	0.375	45.8	72.9	28.3	78.3
385.6	375.0	371.2	1.0	0.0	0.25	45.6	72.1	34.6	80.0
389.3	382.5	378.3	1.0	0.0	0.125	45.5	71.4	40.1	81.9
392.3	390.0	385.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9
392.3	390.0	385.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9

see similar files: <http://130.149.60.45/~farbmatrik/QE18/QE18L0NP.PDF> /PS; transfer output
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

1-013731-L0

QE180-71

LAB*a0, YN=0%, XYZnw=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB*rw=24.4, 0.0, 0.0, 95.6, 0.0, 0.0

1-013731-F0

input: *rgb/cmyk* -> *rgb*
output: transfer to *cmy0e*

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

http://130.149.60.45/~farbmatrik/QE18/QE18L0NP.PDF /PS; transfer output										N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 9/33																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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h _{ab,d}	h _{ab,s}	h _{ab,e}	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	h _{ab,d}	h _{ab,s}	h _{ab,e}	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	h _{ab,d}	h _{ab,s}	h _{ab,e}	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*	rgb*



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^*_{ds}	rgb^*_{de}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{ds}	rgb^*_{de}	rgb^*_{ds}	rgb^*_{de}	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_e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

1-013931-10 QE180-71 LAB* h_{ab} , YN=0%, XY Zmw=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB* m_w =24.0, 0.0, 95.6, 0.0, 0.0

input: $rgb/cmyk \rightarrow rgb_e$
output: transfer to $cmy0_e$

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



Data of Maximum color M in colorimetric system Offset standard print; separation cmy0*: D65 for input or output; Six hue angles of the 60 degree standard colours RYGBCM; h _{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;																			
Six hue angles of the device colours RYGBCM; h _{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8; Six hue angles of the elementary colours RYGBCM; h _{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6																			
h _{ab,d}	h _{ab,s}	h _{ab,e}	LAB* _d	LAB* _s	LAB* _e	rgb* _d	rgb* _s	rgb* _e	rgb* _{ds}	LAB* _d	LAB* _s	LAB* _e	rgb* _d	rgb* _s	rgb* _e	rgb* _{ds}	rgb* _{ds}	rgb* _{ds}	rgb* _{ds}
114	120	127	0.5	1.0	0.0	70.6	-29.7	66.5	72.8	114	120	127	0.5	1.0	0.0	0.322	1.0	0.0	0.322
115	121	128	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
116	122	129	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
117	123	130	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
118	124	131	0.0	68.0	-33.0	62.1	70.4	118	0.352	1.0	0.0	64.4	-37.9	56.4	68.0	124	0.433	1.0	0.0
119	126	134	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
120	127	135	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
122	128	136	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
124	129	137	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
126	130	138	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
127	131	140	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
129	132	141	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
131	133	142	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
133	134	143	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
135	135	144	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
136	136	145	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
137	137	147	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
138	138	148	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
140	139	149	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
141	140	150	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
142	141	151	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
143	142	152	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
145	143	154	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
146	144	155	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
148	145	156	0.0	53.1	-57.3	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
149	146	157	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
151	147	158	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
152	148	159	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
154	149	161	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
155	150	162	0.0	50.0	-65.0	29.6	71.4	155	0.062	1.0	0.0	52.4	-59.6	34.5	68.9	150	0.0	1.0	0.0
156	151	163	0.0	0.016	50.1	-64.7	28.5	70.7	0.051	1.0	0.0	52.0	-60.6	33.6	69.4	151	0.0	0.017	0.0
156	152	164	0.0	0.033	50.1	-64.5	27.4	70.1	0.04	1.0	0.0	51.5	-61.6	32.8	69.8	152	0.0	0.033	0.0
157	153	164	0.0	0.05	50.2	-64.2	26.4	69.4	0.028	1.0	0.0	51.1	-62.5	31.9	70.3	153	0.0	0.05	0.0
158	154	165	0.0	0.066	50.3	-63.9	25.4	68.8	0.017	1.0	0.0	50.7	-63.5	31.0	70.7	154	0.0	0.067	0.0
159	155	166	0.0	0.083	50.3	-63.6	24.4	68.1	0.006	1.0	0.0	50.3	-64.4	30.1	71.2	155	0.0	0.083	0.0
159	156	167	0.0	0.1	50.4	-63.3	23.4	67.5	0.0	1.0	0.0	0.012	50.1	-64.7	28.9	71.0	156	0.0	0.1
160	157	168	0.0	0.116	50.5	-62.9	22.4	66.8	0.0	1.0	0.0	0.035	50.2	-64.4	27.4	70.0	157	0.0	0.117
161	158	169	0.0	0.133	50.5	-62.5	21.2	66.1	0.0	1.0	0.0	0.059	50.3	-64.0	25.9	69.1	158	0.0	0.133
162	159	170	0.0	0.15	50.6	-62.1	19.9	65.2	0.0	1.0	0.0	0.083	50.4	-63.5	24.4	68.2	159	0.0	0.15
163	160	171	0.0	0.166	50.7	-61.6	18.7	64.4	0.0	1.0	0.0	0.107	50.5	-63.1	23.0	67.2	160	0.0	0.167
164	161	172	0.0	0.183	50.8	-61.1	17.4	63.6	0.0	1.0	0.0	0.129	50.6	-62.6	21.6	66.3	161	0.0	0.183
164	162	173	0.0	0.2	50.9	-60.6	16.2	62.7	0.0	1.0	0.0	0.147	50.7	-62.1	20.2	65.4	162	0.0	0.2
165	163	174	0.0	0.216	51.0	-60.1	15.0	61.9	0.0	1.0	0.0	0.165	50.8	-61.6	18.9	64.5	163	0.0	0.217
166	164	175	0.0	0.233	51.1	-59.5	13.9	61.1	0.0	1.0	0.0	0.183	50.9	-61.1	17.5	63.7	164	0.0	0.233
167	165	175	0.0	0.25	51.2	-58.9	12.7	60.3	0.0	1.0	0.0	0.2	51.0	-60.5	16.2	62.8	165	0.0	0.25

1-0131131-L0 QE180-71 LAB*_{ab}, YN=0%, XY Z_{mnw}=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB*_{mnw}=24.4, 0.0, 0.0, 95.6, 0.0, 0.0

input: *rgb/cmyk* -> *rgb*
output: transfer to *cmy0e*

TUB-test chart QE18: hue code: H*_e=R50Y_e
48 step hue circles; *rgb-LabCh**tables

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



TUB registration: 20130201-QE18/QE18L0NP.PDF /.PS
- application for measurement of offset print output, separ

TUB material: code=rha4ta
my0 (CMY0)



<http://130.149.60.45/~farbmatrik/QE18/QE18LONP.PDF> /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 13/33

Data of Maximum color M in colorimetric system Offset standard print; separation cmv0*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGCBM: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;

Six hue angles of the device colours	$RYGBM_d$	$i_{hab,d} = 32.3^\circ, 96.1^\circ$	$LAB^*_{d361MI} (s=LabCh)$							
$h_{ab,s}$ $h_{ab,e}$ $h_{ab,d}$ $h_{ab,b}$ $h_{ab,r}$ $h_{ab,g}$	$h_{ab,s}$	$h_{ab,e}$	$h_{ab,d}$	$h_{ab,b}$						
167	165	175	0.0	1.0	0.25	51.2	-58.9	12.7	60.3	167
168	166	176	0.0	1.0	0.266	51.3	-58.4	11.3	59.5	168
170	167	177	0.0	1.0	0.283	51.4	-57.9	10.0	58.8	170
171	168	178	0.0	1.0	0.3	51.5	-57.3	8.7	58.0	171
172	169	179	0.0	1.0	0.316	51.6	-56.8	7.4	57.3	172
173	170	180	0.0	1.0	0.333	51.7	-56.2	6.1	56.5	173
174	171	181	0.0	1.0	0.35	51.8	-55.5	4.9	55.8	174
176	172	182	0.0	1.0	0.366	51.9	-54.9	3.7	55.0	176
177	173	183	0.0	1.0	0.383	52.0	-54.2	2.3	54.3	177
179	174	184	0.0	1.0	0.4	52.2	-53.6	0.7	53.6	179
180	175	185	0.0	1.0	0.416	52.3	-53.0	-0.8	52.9	180
182	176	185	0.0	1.0	0.433	52.4	-52.1	-2.3	52.1	182
184	177	186	0.0	1.0	0.45	52.6	-51.3	-3.8	51.4	184
185	178	187	0.0	1.0	0.466	52.7	-50.4	-5.3	50.7	185
187	179	188	0.0	1.0	0.483	52.8	-49.6	-6.6	50.0	187
189	180	189	0.0	1.0	0.5	52.9	-48.6	-8.0	49.3	189
191	181	190	0.0	1.0	0.516	53.1	-47.9	-9.5	48.9	191
193	182	191	0.0	1.0	0.533	53.2	-47.2	-10.9	48.4	193
194	183	192	0.0	1.0	0.55	53.4	-46.4	-12.3	48.0	194
196	184	193	0.0	1.0	0.566	53.5	-45.6	-13.7	47.6	196
198	185	194	0.0	1.0	0.583	53.6	-44.7	-15.0	47.1	198
200	186	195	0.0	1.0	0.6	53.8	-43.8	-16.3	46.7	200
202	187	195	0.0	1.0	0.616	53.9	-42.8	-17.5	46.3	202
204	188	196	0.0	1.0	0.633	54.1	-42.0	-18.8	46.0	204
206	189	197	0.0	1.0	0.65	54.2	-41.2	-20.1	45.9	206
207	190	198	0.0	1.0	0.666	54.3	-40.5	-21.4	45.8	207
209	191	199	0.0	1.0	0.683	54.5	-39.7	-22.7	45.7	209
211	192	200	0.0	1.0	0.7	54.6	-38.8	-23.9	45.6	211
213	193	201	0.0	1.0	0.716	54.7	-37.9	-25.1	45.5	213
215	194	202	0.0	1.0	0.733	54.9	-37.0	-26.3	45.4	215
217	195	203	0.0	1.0	0.755	55.0	-36.0	-27.4	45.3	217
218	196	204	0.0	1.0	0.766	55.1	-35.4	-28.4	45.4	218
219	197	205	0.0	1.0	0.783	55.2	-34.7	-29.4	45.5	219
221	198	206	0.0	1.0	0.8	55.3	-34.0	-30.3	45.6	221
222	199	206	0.0	1.0	0.816	55.4	-33.3	-31.3	45.7	222
224	200	207	0.0	1.0	0.833	55.6	-32.6	-32.2	45.9	224
226	201	208	0.0	1.0	0.85	55.7	-31.8	-33.1	46.0	226
227	202	209	0.0	1.0	0.866	55.8	-31.1	-34.0	46.1	227
229	203	210	0.0	1.0	0.883	55.9	-30.4	-35.0	46.3	229
230	204	211	0.0	1.0	0.9	56.0	-29.7	-35.9	46.7	230
231	205	212	0.0	1.0	0.916	56.1	-29.1	-36.9	47.0	231
233	206	213	0.0	1.0	0.933	56.3	-28.4	-37.8	47.3	233
234	207	214	0.0	1.0	0.95	56.4	-27.7	-38.8	47.7	234
235	208	215	0.0	1.0	0.966	56.5	-27.0	-39.7	48.0	235
237	209	216	0.0	1.0	0.983	56.6	-26.2	-40.6	48.3	237
240	212	219	0.0	1.0	1.0	56.8	-25.5	-41.5	48.7	240

238	210	216	0.0	1.0	1.0	56.8	-25.5	-41.5	48.7	238
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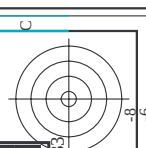
QE180-71 LAB*a0, YN=0%, XYZnw=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB*nw=24.4, 0.0, 0.0, 95.6, 0.0, 0.0

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



1 0131331 F0

[illegible]



<http://130.149.60.45/~farbmatrik/QE18/QE18LONP.PDF> /PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 14/33

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

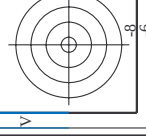
see similar files: <http://130.149.60.45/~farbmatrik/QE18/QE18.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

[illegible]

1-0131331-L0	OE180-71	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
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input: *rgb/cmyk* → *rgbe*
output: transfer to *cmy0_e*

Output: Offset standard print; separation cmc0*, D65 page 14/33





Data of Maximum color M in colorimetric system Offset standard print; separation cmy0*: D65 for input or output; Six hue angles of the 60 degree standard colours RYGBCM; h _{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;										Output: Offset standard print; separation cmy0*, D65, page 15/33										
Six hue angles of the device colours RYGBCM; h _{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8; Six hue angles of the elementary colours RYGBCM; h _{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6																				
h _{ab,d}	h _{ab,s}	h _{ab,e}	rgb* _{ds}	rgb* _{ds}	rgb* _{ds}	rgb* _{ds}	rgb* _{ds}	rgb* _{ds}	rgb* _{ds}	LAB* _{ds}	LAB* _{ds}	LAB* _{ds}	LAB* _{ds}	LAB* _{ds}	LAB* _{ds}	LAB* _{ds}	LAB* _{ds}	LAB* _{ds}	LAB* _{ds}	
289	255	258	0.0	0.25	1.0	32.8	14.3	-40.2	42.7	289	0.0	0.25	1.0	32.8	14.3	-40.2	42.7	289	0.0	
290	256	258	0.0	0.233	1.0	32.2	15.3	-40.3	43.1	290	0.0	0.233	1.0	32.2	15.3	-40.3	43.1	290	0.0	
292	257	259	0.0	0.216	1.0	31.7	16.4	-40.3	43.6	292	0.0	0.216	1.0	31.7	16.4	-40.3	43.6	292	0.0	
293	258	260	0.0	0.2	1.0	31.1	17.5	-40.4	44.0	293	0.0	0.2	1.0	31.1	17.5	-40.4	44.0	293	0.0	
294	259	261	0.0	0.183	1.0	30.6	18.5	-40.4	44.5	294	0.0	0.183	1.0	30.6	18.5	-40.4	44.5	294	0.0	
295	260	262	0.0	0.166	1.0	30.0	19.6	-40.4	44.9	295	0.0	0.166	1.0	30.0	19.6	-40.4	44.9	295	0.0	
297	261	263	0.0	0.15	1.0	29.5	20.7	-40.4	45.4	297	0.0	0.15	1.0	29.5	20.7	-40.4	45.4	297	0.0	
298	262	264	0.0	0.133	1.0	28.9	21.8	-40.3	45.8	298	0.0	0.133	1.0	28.9	21.8	-40.3	45.8	298	0.0	
299	263	265	0.0	0.116	1.0	28.4	22.8	-40.3	46.3	299	0.0	0.116	1.0	28.4	22.8	-40.3	46.3	299	0.0	
300	264	266	0.0	0.1	1.0	27.9	23.8	-40.4	46.9	300	0.0	0.1	1.0	27.9	23.8	-40.4	46.9	300	0.0	
301	265	267	0.0	0.083	1.0	27.4	24.7	-40.4	47.4	301	0.0	0.083	1.0	27.4	24.7	-40.4	47.4	301	0.0	
302	266	268	0.0	0.066	1.0	26.9	25.7	-40.4	47.9	302	0.0	0.066	1.0	26.9	25.7	-40.4	47.9	302	0.0	
303	267	269	0.0	0.049	1.0	26.5	26.6	-40.5	48.4	303	0.0	0.049	1.0	26.5	26.6	-40.5	48.4	303	0.0	
304	268	269	0.0	0.033	1.0	26.0	27.6	-40.4	49.0	304	0.0	0.033	1.0	26.0	27.6	-40.4	49.0	304	0.0	
305	269	270	0.0	0.016	1.0	25.5	28.6	-40.4	49.5	305	0.0	0.016	1.0	25.5	28.6	-40.4	49.5	305	0.0	
306	270	271	0.0	0.0	1.0	25.0	29.5	-40.4	50.0	306	0.0	0.0	1.0	25.0	29.5	-40.4	50.0	306	0.0	
307	271	272	0.016	0.0	1.0	25.4	30.4	-39.9	50.2	307	0.0	0.016	0.0	1.0	25.4	30.4	-39.9	50.2	307	0.0
308	272	273	0.033	0.0	1.0	25.8	31.3	-39.4	50.4	308	0.0	0.033	0.0	1.0	25.8	31.3	-39.4	50.4	308	0.0
309	273	274	0.05	0.0	1.0	26.2	32.2	-38.9	50.5	309	0.0	0.05	0.0	1.0	26.2	32.2	-38.9	50.5	309	0.0
310	274	275	0.066	0.0	1.0	26.5	33.1	-38.4	50.7	310	0.0	0.066	0.0	1.0	26.5	33.1	-38.4	50.7	310	0.0
311	275	276	0.083	0.0	1.0	26.9	33.9	-37.8	50.8	311	0.0	0.083	0.0	1.0	26.9	33.9	-37.8	50.8	311	0.0
313	276	277	0.1	0.0	1.0	27.3	34.8	-37.3	51.0	313	0.0	0.1	0.0	1.0	27.3	34.8	-37.3	51.0	313	0.0
314	277	278	0.116	0.0	1.0	27.7	35.6	-36.7	51.1	314	0.0	0.116	0.0	1.0	27.7	35.6	-36.7	51.1	314	0.0
315	278	279	0.133	0.0	1.0	27.9	36.4	-36.2	51.3	315	0.0	0.133	0.0	1.0	27.9	36.4	-36.2	51.3	315	0.0
316	279	280	0.15	0.0	1.0	28.1	37.2	-35.7	51.6	316	0.0	0.15	0.0	1.0	28.1	37.2	-35.7	51.6	316	0.0
317	280	281	0.166	0.0	1.0	28.2	38.0	-35.2	51.9	317	0.0	0.166	0.0	1.0	28.2	38.0	-35.2	51.9	317	0.0
318	281	282	0.183	0.0	1.0	28.3	38.8	-34.7	52.1	318	0.0	0.183	0.0	1.0	28.3	38.8	-34.7	52.1	318	0.0
319	282	283	0.2	0.0	1.0	28.5	39.6	-34.2	52.4	319	0.0	0.2	0.0	1.0	28.5	39.6	-34.2	52.4	319	0.0
320	283	284	0.216	0.0	1.0	28.6	40.4	-33.7	52.6	320	0.0	0.216	0.0	1.0	28.6	40.4	-33.7	52.6	320	0.0
321	284	285	0.233	0.0	1.0	28.7	41.2	-33.1	52.9	321	0.0	0.233	0.0	1.0	28.7	41.2	-33.1	52.9	321	0.0
322	285	286	0.25	0.0	1.0	28.8	41.9	-32.5	53.1	322	0.0	0.25	0.0	1.0	28.8	41.9	-32.5	53.1	322	0.0
323	286	287	0.266	0.0	1.0	29.4	43.3	-31.8	53.8	323	0.0	0.266	0.0	1.0	29.4	43.3	-31.8	53.8	323	0.0
325	287	288	0.283	0.0	1.0	29.9	44.7	-31.1	54.4	325	0.0	0.283	0.0	1.0	29.9	44.7	-31.1	54.4	325	0.0
326	288	289	0.3	0.0	1.0	30.4	46.0	-30.3	55.1	326	0.0	0.3	0.0	1.0	30.4	46.0	-30.3	55.1	326	0.0
328	289	289	0.316	0.0	1.0	30.9	47.3	-29.4	55.7	328	0.0	0.316	0.0	1.0	30.9	47.3	-29.4	55.7	328	0.0
329	290	290	0.333	0.0	1.0	31.4	48.6	-28.5	56.4	329	0.0	0.333	0.0	1.0	31.4	48.6	-28.5	56.4	329	0.0
331	291	291	0.35	0.0	1.0	32.0	49.9	-27.5	57.0	331	0.0	0.35	0.0	1.0	32.0	49.9	-27.5	57.0	331	0.0
332	292	292	0.366	0.0	1.0	32.5	51.2	-26.5	57.7	332	0.0	0.366	0.0	1.0	32.5	51.2	-26.5	57.7	332	0.0
333	293	293	0.383	0.0	1.0	32.9	52.3	-25.7	58.3	333	0.0	0.383	0.0	1.0	32.9	52.3	-25.7	58.3	333	0.0
334	294	294	0.4	0.0	1.0	33.3	53.2	-25.0	58.8	334	0.0	0.4	0.0	1.0	33.3	53.2	-25.0	58.8	334	0.0
335	295	295	0.416	0.0	1.0	33.7	54.1	-24.4	59.4	335	0.0	0.416	0.0	1.0	33.7	54.1	-24.4	59.4	335	0.0
336	296	296	0.433	0.0	1.0	34.0	55.0	-23.7	59.9	336	0.0	0.433	0.0	1.0	34.0	55.0	-23.7	59.9	336	0.0
337	297	297	0.45	0.0	1.0	34.4	55.9	-23.0	60.5	337	0.0	0.45	0.0	1.0	34.4	55.9	-23.0	60.5	337	0.0
338	298	298	0.466	0.0	1.0	34.8	56.8	-22.2	61.0	338	0.0	0.466	0.0	1.0	34.8	56.8	-22.2	61.0	338	0.0
339	299	299	0.483	0.0	1.0	35.2	57.7	-21.5	61.6	339	0.0	0.483	0.0	1.0	35.2	57.7	-21.5	61.6	339	0.0
340	300	300	0.5	0.0	1.0	35.6	58.6	-20.7	62.1	340	0.0	0.5	0.0	1.0	35.6	58.6	-20.7	62.1	340	0.0

<http://130.149.60.45/~farbmatrik/QE18/QE18LONP.PDF> /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 16/33

Data of Maximum color M in colorimetric system Offset standard print; separation cmv0*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM; $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;

Six hue angles of the device colours $RYGBM_d: h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$; Six hue angles of the elementary colours $RYGBM_e: h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

[illegible]

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

input: *rgb/cmyk* -> *rgb*_e

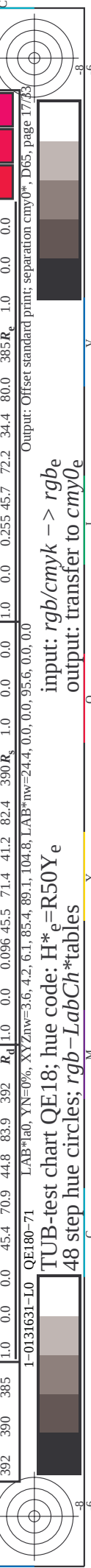
48 step hue circles: *rab-LabCh*tables*

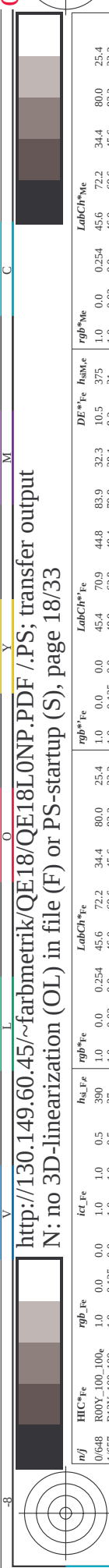
Output: Offset standard print; separation cmv0*, D65, page 16/33



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 RYGBCM; $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;									
Six hue angles of the device colours RYGBCM; $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$; Six hue angles of the elementary colours RYGBCM; $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$									
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{ds}	rgb^*_{ds}	rgb^*_{ds}	rgb^*_{ds}	rgb^*_{ds}	rgb^*_{ds}	rgb^*_{ds}
366	345	342	1.0	0.0	0.75	45.9	77.1	8.6	77.6
367	346	343	1.0	0.0	0.733	45.9	77.0	9.4	77.5
367	347	344	1.0	0.0	0.716	45.9	76.8	10.3	77.5
368	348	345	1.0	0.0	0.7	45.9	76.6	11.1	77.4
368	349	346	1.0	0.0	0.683	45.9	76.4	11.9	77.3
369	350	347	1.0	0.0	0.666	45.9	76.2	12.8	77.2
370	351	348	1.0	0.0	0.65	46.0	75.9	13.6	77.2
370	352	349	1.0	0.0	0.633	46.0	75.7	14.4	77.1
371	353	350	1.0	0.0	0.616	46.0	75.5	15.2	77.1
372	354	351	1.0	0.0	0.6	45.9	75.4	16.1	77.1
372	355	352	1.0	0.0	0.583	45.9	75.2	16.9	77.1
373	356	353	1.0	0.0	0.566	45.9	75.0	17.8	77.1
374	357	354	1.0	0.0	0.55	45.9	74.8	18.6	77.1
374	358	355	1.0	0.0	0.533	45.9	74.6	19.5	77.1
375	359	356	1.0	0.0	0.516	45.9	74.4	20.3	77.1
375	360	357	1.0	0.0	0.5	45.9	74.2	21.1	77.1
376	361	358	1.0	0.0	0.483	45.8	74.1	22.1	77.3
377	362	359	1.0	0.0	0.466	45.8	73.9	23.1	77.4
378	363	360	1.0	0.0	0.45	45.8	73.8	24.0	77.6
378	364	361	1.0	0.0	0.433	45.8	73.6	25.0	77.7
379	365	362	1.0	0.0	0.416	45.8	73.4	25.9	77.9
380	366	363	1.0	0.0	0.4	45.8	73.2	26.9	78.0
380	367	364	1.0	0.0	0.383	45.8	73.0	27.8	78.2
381	368	365	1.0	0.0	0.366	45.8	72.9	28.7	78.4
382	369	366	1.0	0.0	0.35	45.8	72.8	29.6	78.6
382	370	367	1.0	0.0	0.333	45.7	72.7	30.4	78.8
383	371	368	1.0	0.0	0.316	45.7	72.6	31.2	79.1
383	372	369	1.0	0.0	0.3	45.7	72.5	32.1	79.3
384	373	370	1.0	0.0	0.283	45.6	72.4	32.9	79.6
385	374	371	1.0	0.0	0.266	45.6	72.3	33.8	79.8
385	375	372	1.0	0.0	0.25	45.6	72.1	34.6	80.0
386	376	373	1.0	0.0	0.233	45.6	72.1	35.3	80.3
386	377	374	1.0	0.0	0.216	45.6	72.0	36.1	80.5
387	378	375	1.0	0.0	0.2	45.6	71.9	36.8	80.8
387	379	376	1.0	0.0	0.183	45.5	71.8	37.5	81.0
388	380	377	1.0	0.0	0.166	45.5	71.7	38.2	81.3
388	381	378	1.0	0.0	0.15	45.5	71.6	39.0	81.5
389	382	379	1.0	0.0	0.133	45.5	71.5	39.7	81.8
389	383	380	1.0	0.0	0.116	45.5	71.4	40.4	82.1
389	384	381	1.0	0.0	0.1	45.5	71.3	41.0	82.3
390	385	382	1.0	0.0	0.083	45.5	71.3	41.6	82.6
390	386	383	1.0	0.0	0.066	45.5	71.2	42.3	82.8
391	387	384	1.0	0.0	0.049	45.5	71.1	42.9	83.1
391	388	385	1.0	0.0	0.033	45.4	71.1	43.5	83.4
391	389	386	1.0	0.0	0.016	45.4	71.0	44.2	83.6
392	390	387	1.0	0.0	0.0	45.4	70.9	44.8	83.9
392	391	388	1.0	0.0	0.0	45.4	70.9	44.8	83.9
392	392	389	1.0	0.0	0.0	45.4	70.9	44.8	83.9

Input: $rgb/cmyk \rightarrow rgb_e$ Output: transfer to $cmy0_e$									
rgb^*_{ds}	rgb^*_{ds}	rgb^*_{ds}	rgb^*_{ds}	rgb^*_{ds}	rgb^*_{ds}	rgb^*_{ds}	rgb^*_{ds}	rgb^*_{ds}	rgb^*_{ds}
1.0	0.0	0.75	45.9	77.1	8.6	77.6	366	345	342
1.0	0.0	0.733	45.9	77.0	9.4	77.5	367	346	343
1.0	0.0	0.716	45.9	76.8	10.3	77.5	367	347	344
1.0	0.0	0.7	45.9	76.6	11.1	77.4	368	348	345
1.0	0.0	0.683	45.9	76.4	11.9	77.3	368	349	346
1.0	0.0	0.666	45.9	76.2	12.8	77.2	369	350	347
1.0	0.0	0.65	46.0	75.9	13.6	77.2	370	351	348
1.0	0.0	0.633	46.0	75.7	14.4	77.1	370	352	349
1.0	0.0	0.616	46.0	75.5	15.2	77.1	371	353	350
1.0	0.0	0.6	45.9	75.4	16.1	77.1	372	354	351
1.0	0.0	0.583	45.9	75.2	16.9	77.1	372	355	352
1.0	0.0	0.566	45.9	75.0	17.8	77.1	373	356	353
1.0	0.0	0.55	45.9	74.8	18.6	77.1	374	357	354
1.0	0.0	0.533	45.9	74.6	19.5	77.1	374	358	355
1.0	0.0	0.516	45.9	74.4	20.3	77.1	375	359	356
1.0	0.0	0.5	45.9	74.2	21.1	77.1	375	360	357
1.0	0.0	0.483	45.8	74.1	22.1	77.3	376	361	358
1.0	0.0	0.466	45.8	73.9	23.1	77.4	377	362	359
1.0	0.0	0.45	45.8	73.8	24.0	77.6	378	363	360
1.0	0.0	0.433	45.8	73.6	25.0	77.7	378	364	361
1.0	0.0	0.416	45.8	73.4	25.9	77.9	379	365	362
1.0	0.0	0.4	45.8	73.2	26.9	78.0	380	366	363
1.0	0.0	0.383	45.8	73.0	27.8	78.2	380	367	364
1.0	0.0	0.366	45.8	72.9	28.7	78.4	381	368	365
1.0	0.0	0.35	45.8	72.8	29.6	78.6	382	369	366
1.0	0.0	0.333	45.7	72.7	30.4	78.8	382	370	367
1.0	0.0	0.316	45.7	72.6	31.2	79.1	383	371	368
1.0	0.0	0.3	45.7	72.5	32.1	79.3	383	372	369
1.0	0.0	0.283	45.6	72.4	32.9	79.6	384	373	370
1.0	0.0	0.266	45.6	72.3	33.8	79.8	385	374	371
1.0	0.0	0.25	45.6	72.1	34.6	80.0	385	375	372
1.0	0.0	0.233	45.6	72.1	35.3	80.3	386	376	373
1.0	0.0	0.216	45.6	72.0	36.1	80.5	386	377	374
1.0	0.0	0.2	45.6	71.9	36.8	80.8	387	378	375
1.0	0.0	0.183	45.5	71.8	37.5	81.0	387	379	376
1.0	0.0	0.166	45.5	71.7	38.2	81.3	388	380	377
1.0	0.0	0.15	45.5	71.6	39.0	81.5	388	381	378
1.0	0.0	0.133	45.5	71.5	39.7	81.8	389	382	379
1.0	0.0	0.116	45.5	71.4	40.4	82.1	389	383	380
1.0	0.0	0.1	45.5	71.3	41.0	82.3	389	384	381
1.0	0.0	0.083	45.5	71.3	41.6	82.6	390	385	382
1.0	0.0	0.066	45.5	71.2	42.3	82.8	390	386	383
1.0	0.0	0.049	45.5	71.1	42.9	83.1	391	387	384
1.0	0.0	0.033	45.4	71.1	43.5	83.4	391	388	385
1.0	0.0	0.016	45.4	71.0	44.2	83.6	391	389	386
1.0	0.0	0.0	45.4	70.9	44.8	83.9	392	390	387
1.0	0.0	0.0	45.4	70.9	44.8	83.9	392	391	388
1.0	0.0	0.0	45.4	70.9	44.8	83.9	392	392	389





<http://130.149.60.45/~farbmatrik/QE18/QE18L0NP.PDF> /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 18/33

n/f		H* ₃ Fe	rgb_Fe	ic_Fe	h ₃ Fe	LabCh*Fe	rgb*Fe	LabCh*Fe	DF*Fe	h ₃ Me	rgb*Me	LabCh*Me	DF*Me	h ₃ Me	rgb*Me	LabCh*Me	DF*Me	h ₃ Me
0/648	R00Y_100_100e	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1/657	R13Y_100_100e	1.0	0.125	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2/666	R25Y_100_100e	1.0	0.25	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3/675	R38Y_100_100e	1.0	0.375	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4/684	R50Y_100_100e	1.0	0.5	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5/693	R63Y_100_100e	1.0	0.625	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6/702	R75Y_100_100e	1.0	0.75	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7/711	R88Y_100_100e	1.0	0.875	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8/720	Y00C_100_100e	1.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9/639	Y13C_100_100e	0.875	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10/558	Y25C_100_100e	0.75	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11/477	Y38C_100_100e	0.625	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12/396	Y50C_100_100e	0.5	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13/315	Y63C_100_100e	0.375	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14/234	Y75C_100_100e	0.25	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15/153	Y88C_100_100e	0.125	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16/72	G00C_100_100e	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17/73	G13C_100_100e	0.0	1.0	0.125	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18/74	G25C_100_100e	0.0	1.0	0.25	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19/75	G38C_100_100e	0.0	1.0	0.375	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20/76	G50C_100_100e	0.0	1.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21/77	G63C_100_100e	0.0	1.0	0.625	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22/78	G75C_100_100e	0.0	1.0	0.75	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23/79	G88C_100_100e	0.0	1.0	0.875	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24/80	C00B_100_100e	0.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25/81	C13B_100_100e	0.0	0.875	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26/62	C25B_100_100e	0.0	0.75	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27/63	C38B_100_100e	0.0	0.625	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28/44	C50B_100_100e	0.0	0.5	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29/35	C63B_100_100e	0.0	0.375	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30/26	C75B_100_100e	0.0	0.25	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31/17	C88B_100_100e	0.0	0.125	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32/8	B00M_100_100e	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33/89	B13M_100_100e	0.125	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34/170	B25M_100_100e	0.25	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35/251	B38M_100_100e	0.375	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36/332	B50M_100_100e	0.5	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37/413	B63M_100_100e	0.625	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38/494	B75M_100_100e	0.75	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39/575	B88M_100_100e	0.875	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40/656	M00R_100_100e	1.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41/655	M13R_100_100e	1.0	0.0	0.875	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42/654	M25R_100_100e	1.0	0.0	0.75	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43/653	M38R_100_100e	1.0	0.0	0.625	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44/652	M50R_100_100e	1.0	0.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45/651	M63R_100_100e	1.0	0.0	0.375	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46/650	M75R_100_100e	1.0	0.0	0.25	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47/649	M88R_100_100e	1.0	0.0	0.125	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48/648	R00Y_100_100e	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49/0	NW_000e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50/91	NW_012e	0.125	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51/182	NW_025e	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52/273	NW_038e	0.375	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53/364	NW_050e	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54/455	NW_063e	0.625	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55/546	NW_075e	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56/637	NW_088e	0.875	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57/728	NW_100e	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Mean color difference of this page:

delta E* = 20.9

QE180-7N, Page 18/33-F

TUB-test chart QE18; hue code: H*_e=R50Y_e
colors and differences, ΔE*

input: rgb/cmyk -> rgb
output: transfer to cmy0_e

1-0131731-F0

1-0131731-F0





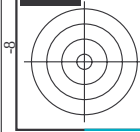
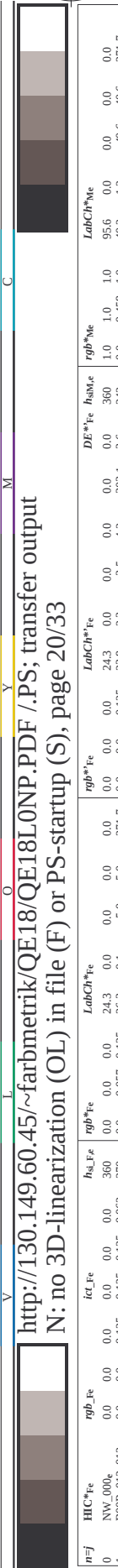
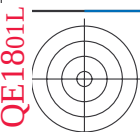
http://130.149.60.45/~farbmatrik/QE18/QE18L0NP.PDF /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 19/33

n/f	HC*Fe	rgb_Fe	ic*_Fe	hs*_Fe	rgb*Fe	LabCH*Fe	rgb*Fe	LabCH*Fe	DF*Fe	hs*Me	rgb*Me	LabCH*Me	25.4	80.0	34.4	80.0	25.4
0/648	R25Y_100_100e	1.0	0.0	0.0	1.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
1/666	R25Y_100_100e	1.0	0.0	0.0	1.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
2/684	R50Y_100_100e	1.0	0.0	0.0	1.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
3/702	R75Y_100_100e	1.0	0.0	0.0	1.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
4/720	Y00C_100_100e	1.0	0.0	0.0	1.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
5/558	Y25C_100_100e	0.75	1.0	0.0	1.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
6/396	Y50C_100_100e	0.5	1.0	0.0	1.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
7/234	Y75C_100_100e	0.25	1.0	0.0	1.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
8/72	G00B_100_100e	0.0	1.0	0.0	1.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
9/72	G25B_100_100e	0.0	1.0	0.0	1.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
10/76	G50B_100_100e	0.0	1.0	0.0	1.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
11/80	G75B_100_100e	0.0	1.0	0.0	1.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
12/44	G90B_100_100e	0.0	1.0	0.0	1.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
13/8	B00M_100_100e	0.0	1.0	0.0	1.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
14/332	B25R_100_100e	0.5	0.0	1.0	1.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
15/656	B50R_100_100e	1.0	0.0	1.0	1.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
16/652	B75R_100_100e	1.0	0.0	1.0	1.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
17/648	R00Y_100_100e	1.0	0.0	0.0	1.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
18/708	R25Y_100_100e	1.0	0.0	0.0	1.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
19/688	R50Y_100_100e	1.0	0.0	0.0	1.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
20/724	Y00C_100_100e	1.0	0.0	0.0	1.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
21/560	Y25C_100_100e	0.75	1.0	0.0	1.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
22/400	Y50C_100_100e	0.5	1.0	0.0	1.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
23/468	Y75C_100_100e	0.25	1.0	0.0	1.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
25/692	B00R_100_100e	0.0	1.0	0.0	1.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
26/688	B25R_100_100e	1.0	0.0	1.0	1.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
27/506	R00Y_075_050e	0.75	0.25	0.5	0.5	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
28/524	R50Y_075_050e	0.75	0.25	0.5	0.5	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
29/542	Y00C_075_050e	0.75	0.25	0.5	0.5	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
30/318	Y50C_075_050e	0.25	0.75	0.25	0.75	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
31/280	G00B_075_050e	0.25	0.75	0.25	0.75	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
32/222	G25B_075_050e	0.25	0.75	0.25	0.75	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
33/186	B00R_075_050e	0.25	0.75	0.25	0.75	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
34/510	B50R_075_050e	0.75	0.25	0.5	0.5	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
35/506	R00Y_075_050e	0.75	0.25	0.5	0.5	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
36/324	R00Y_050_050e	0.5	0.0	0.0	0.5	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
37/342	R50Y_050_050e	0.5	0.0	0.0	0.5	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
38/360	Y00C_050_050e	0.25	0.5	0.0	0.5	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
39/198	Y50C_050_050e	0.25	0.5	0.0	0.5	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
40/36	G00B_050_050e	0.0	0.5	0.0	0.5	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
41/40	G25B_050_050e	0.0	0.5	0.0	0.5	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
42/4	B00R_050_050e	0.0	0.5	0.0	0.5	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
43/328	B50R_050_050e	0.5	0.0	0.0	0.5	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
44/324	R00Y_050_050e	0.5	0.0	0.0	0.5	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
45/0	NW_000e	0.0	0.0	0.0	0.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
46/91	NW_013e	0.125	0.125	0.125	0.125	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
47/182	NW_025e	0.25	0.25	0.25	0.25	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
48/273	NW_038e	0.375	0.375	0.375	0.375	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
49/364	NW_050e	0.5	0.5	0.5	0.5	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
50/455	NW_063e	0.625	0.625	0.625	0.625	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
51/66	NW_075e	0.75	0.75	0.75	0.75	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
52/66	NW_088e	0.875	0.875	0.875	0.875	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4
53/728	NW_100e	1.0	1.0	1.0	1.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	25.4	80.0	34.4	80.0	25.4

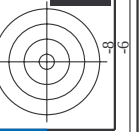
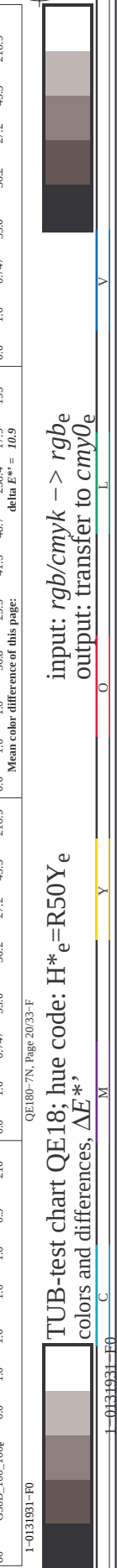
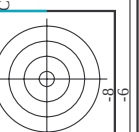
Mean color difference of this page: delta E* = 13.3

input: rgb/cmyk -> rgbe output: transfer to cmy0e

TUB-test chart QE18; hue code: H*=R50Ye colors and differences, ΔE*



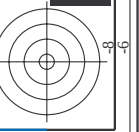
N		H*Ch*Fe	rgb*Fe	LabCh*Fe	h ₅₄ Fe	LabCh*Fe	rgb*Fe	LabCh*Fe	DF*Fe	h ₅₄ Fe	rgb*Fe	LabCh*Fe
1	NW 000a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	BOOR.012.012a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	BOOR.025.025a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	BOOR.037.037a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	BOOR.050.050a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	BOOR.062.062a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	BOOR.075.075a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	BOOR.087.087a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	BOOR.100.100a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	BOOR.012.012a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	G7B3.025.025a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	G7B3.037.037a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	G8B8.050.050a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	G9B9.062.062a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	G9B9.075.075a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	G9B9.087.087a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	G9B9.100.100a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	G9B9.025.025a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	G9B9.037.037a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	G9B9.050.050a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	G9B9.062.062a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	G9B9.075.075a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	G9B9.087.087a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	G9B9.100.100a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	G9B9.025.025a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	G9B9.037.037a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	G9B9.050.050a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	G9B9.062.062a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	G9B9.075.075a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	G9B9.087.087a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	G9B9.100.100a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	G9B9.025.025a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	G9B9.037.037a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	G9B9.050.050a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	G9B9.062.062a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	G9B9.075.075a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	G9B9.087.087a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	G9B9.100.100a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	G9B9.025.025a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	G9B9.037.037a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	G9B9.050.050a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	G9B9.062.062a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	G9B9.075.075a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	G9B9.087.087a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	G9B9.100.100a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46	G9B9.025.025a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47	G9B9.037.037a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48	G9B9.050.050a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	G9B9.062.062a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	G9B9.075.075a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51	G9B9.087.087a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	G9B9.100.100a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53	G9B9.025.025a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54	G9B9.037.037a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55	G9B9.050.050a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56	G9B9.062.062a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57	G9B9.075.075a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58	G9B9.087.087a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59	G9B9.100.100a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60	G9B9.025.025a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61	G9B9.037.037a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62	G9B9.050.050a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63	G9B9.062.062a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64	G9B9.075.075a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65	G9B9.087.087a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66	G9B9.100.100a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67	G9B9.025.025a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68	G9B9.037.037a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69	G9B9.050.050a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	G9B9.062.062a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71	G9B9.075.075a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72	G9B9.087.087a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73	G9B9.100.100a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74	G9B9.025.025a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75	G9B9.037.037a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76	G9B9.050.050a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77	G9B9.062.062a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78	G9B9.075.075a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79	G9B9.087.087a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	G9B9.100.100a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



input: *rgb/cmyk* - > *rgbe*
output: transfer to *cmy0e*

TUB-test chart QE18: hue code: H*=R50Ye
colors and differences, ΔE*

1-0131931-F0



http://130.149.60.45/~farbmatrik/QE18/QE18LONP.PDF /.PS; transfer output									
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 26/33									
n	H*Ch*Fe	rgb-Fe	icL-Fe	hsa-Fe	rgb*Fe	LabCh*Fe	LabCh*Fe	DF*Fe	hsmFe
486	R00Y.075.075e	0.75	0.0	0.0	0.75	0.0	0.0	31.5	375
487	R35Y.075.075e	0.75	0.125	0.380	0.75	0.0	0.0	31.5	375
488	R10Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
489	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
490	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
491	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
492	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
493	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
494	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
495	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
496	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
497	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
498	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
499	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
500	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
501	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
502	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
503	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
504	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
505	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
506	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
507	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
508	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
509	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
510	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
511	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
512	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
513	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
514	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
515	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
516	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
517	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
518	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
519	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
520	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
521	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
522	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
523	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
524	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
525	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
526	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
527	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
528	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
529	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
530	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
531	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
532	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
533	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
534	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
535	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
536	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
537	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
538	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
539	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
540	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
541	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
542	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
543	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
544	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
545	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
546	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
547	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
548	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
549	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
550	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
551	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
552	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
553	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
554	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
555	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
556	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
557	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
558	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
559	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
560	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
561	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
562	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
563	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
564	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
565	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375
566	R00Y.075.075e	0.75	0.0	0.384	0.75	0.0	0.0	31.5	375

see similar files: <http://130.149.60.45/~farbmetrik/QE18/QE18.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

http://130.149.60.45/~farbmatrik/QE18/QE18LONP.PDF /PS, transfer output
N: no 3D-linearization (QL) in file (F) or PS-startup (S), page 27/33

TUB-test chart QE18; hue code: $H_e^* = R50Y_e$
 colors and differences, ΔE^* ,
 input: $rgb/cmyk \rightarrow rgb_e$
 output: transfer to $cmyO_e$

[illegible]

E180-7N, Page 27/33-F

see similar files: <http://130.149.60.45/~farbmetrik/QE18/QE18.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

http://130.149.60.45/~farbmeterik/QE18/QE18L0NP.PDF /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 28/33

TUeB-test chart QE18; hue code: H^{*}_e=R50Y_e
 colors and differences, ΔE^*

[illegible]

OE180-7N. Page 28/33-F

1-0132731-F0

V L O Y
http://130.149.60.45/~farbmatrik/QE18/QE18LONP.PDF /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 29/33

[illegible]

reference of this page:

0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
input: <i>rgb/cmyk</i> - > <i>rgb</i>										
output: transfer to <i>cmy0</i>										

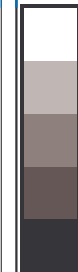
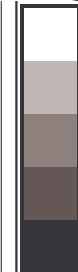
TUB-test chart QE18; hue code: $H^*_e=R50Y_e$
colors and differences, ΔE^* ,

-see similar files: <http://130.149.60.45/~farbmetrik/QE18/QE18.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

see similar files: <http://130.149.60.45/~farbmetrik/QE18/QE18.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB-test chart QE18; hue code: $H_e^* = R50Y_e$
 colors and differences, ΔE^* ,
 input: $rgb/cmyk \rightarrow rgb_e$
 output: transfer to $cmy\theta_e$

[illegible]



TUB registration: 20130201-QE18/QE18L0NP.PDF /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0 (CMY0)

http://130.149.60.45/~farbmetrik/QE18/QE18L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 33/33

n	HC*Fe	rgb_Fe	ic*_Fe	h*_Fe	rgb*Fe	LabCh*Fe	LabCh*Fe	DF*Fe	h*_Fe	rgb*Fe	LabCh*Fe
1053	NW_086e	0.866 0.866 0.866	0.866 0.866 0.866	360 360 360	0.866 0.866 0.866	86.1 1.2 3.4	86.1 1.2 3.4	3.7 69.9 3.7	360 360 360	1.0 1.0 1.0	95.6 0.0 0.0
1054	NW_093e	0.933 0.933 0.933	0.933 0.933 0.933	360 360 360	0.933 0.933 0.933	90.8 0.4 1.4	90.8 0.4 1.4	1.5 71.6 1.5	360 360 360	1.0 1.0 1.0	95.6 0.0 0.0
1055	NW_100e	1.0 1.0 1.0	1.0 1.0 1.0	360 360 360	1.0 1.0 1.0	95.6 0.0 0.1	95.6 0.0 0.1	0.1 114.3 0.1	360 360 360	1.0 1.0 1.0	95.6 0.0 0.0
1056	NW_000e	0.0 0.0 0.0	0.0 0.0 0.0	360 360 360	0.0 0.0 0.0	23.0 0.7 -0.9	23.0 0.7 -0.9	1.1 308.5 1.7	360 360 360	1.0 1.0 1.0	95.6 0.0 0.0
1057	NW_006e	0.066 0.066 0.066	0.066 0.066 0.066	360 360 360	0.066 0.066 0.066	25.6 5.5 0.6	25.6 5.5 0.6	6.7 6.5 6.7	360 360 360	1.0 1.0 1.0	95.6 0.0 0.0
1058	NW_013e	0.133 0.133 0.133	0.133 0.133 0.133	360 360 360	0.133 0.133 0.133	28.2 8.3 3.4	28.2 8.3 3.4	9.0 22.4 30.4	360 360 360	1.0 1.0 1.0	95.6 0.0 0.0
1059	NW_020e	0.2 0.2 0.2	0.2 0.2 0.2	360 360 360	0.2 0.2 0.2	32.0 10.0 5.8	32.0 10.0 5.8	11.6 30.4 13.3	360 360 360	1.0 1.0 1.0	95.6 0.0 0.0
1060	NW_026e	0.266 0.266 0.266	0.266 0.266 0.266	360 360 360	0.266 0.266 0.266	36.7 8.8 8.7	36.7 8.8 8.7	12.4 44.7 14.0	360 360 360	1.0 1.0 1.0	95.6 0.0 0.0
1061	NW_033e	0.333 0.333 0.333	0.333 0.333 0.333	360 360 360	0.333 0.333 0.333	40.7 10.4 8.9	40.7 10.4 8.9	13.7 40.4 15.5	360 360 360	1.0 1.0 1.0	95.6 0.0 0.0
1062	NW_040e	0.4 0.4 0.4	0.4 0.4 0.4	360 360 360	0.4 0.4 0.4	46.8 8.7 10.2	46.8 8.7 10.2	14.7 33.3 48.4	360 360 360	1.0 1.0 1.0	95.6 0.0 0.0
1063	NW_046e	0.466 0.466 0.466	0.466 0.466 0.466	360 360 360	0.466 0.466 0.466	51.8 8.8 9.9	51.8 8.8 9.9	13.3 48.4 14.5	360 360 360	1.0 1.0 1.0	95.6 0.0 0.0
1064	NW_053e	0.533 0.533 0.533	0.533 0.533 0.533	360 360 360	0.533 0.533 0.533	57.5 7.3 9.2	57.5 7.3 9.2	11.8 51.6 12.7	360 360 360	1.0 1.0 1.0	95.6 0.0 0.0
1065	NW_060e	0.6 0.6 0.6	0.6 0.6 0.6	360 360 360	0.6 0.6 0.6	63.6 5.2 8.3	63.6 5.2 8.3	56.7 11.5 36.0	360 360 360	1.0 1.0 1.0	95.6 0.0 0.0
1066	NW_066e	0.666 0.666 0.666	0.666 0.666 0.666	360 360 360	0.666 0.666 0.666	69.3 5.8 6.5	69.3 5.8 6.5	57.5 8.3 62.0	360 360 360	1.0 1.0 1.0	95.6 0.0 0.0
1067	NW_073e	0.734 0.734 0.734	0.734 0.734 0.734	360 360 360	0.734 0.734 0.734	74.5 4.8 5.2	74.5 4.8 5.2	69.4 3.6 36.0	360 360 360	1.0 1.0 1.0	95.6 0.0 0.0
1068	NW_080e	0.8 0.8 0.8	0.8 0.8 0.8	360 360 360	0.8 0.8 0.8	80.5 2.7 3.4	80.5 2.7 3.4	71.7 1.5 36.0	360 360 360	1.0 1.0 1.0	95.6 0.0 0.0
1069	NW_086e	0.866 0.866 0.866	0.866 0.866 0.866	360 360 360	0.866 0.866 0.866	86.1 1.2 3.4	86.1 1.2 3.4	69.9 3.7 69.9	360 360 360	1.0 1.0 1.0	95.6 0.0 0.0
1070	NW_093e	0.933 0.933 0.933	0.933 0.933 0.933	360 360 360	0.933 0.933 0.933	90.7 0.4 1.4	90.7 0.4 1.4	118.4 0.1 18.4	360 360 360	1.0 1.0 1.0	95.6 0.0 0.0
1071	NW_100e	1.0 1.0 1.0	1.0 1.0 1.0	360 360 360	1.0 1.0 1.0	95.7 0.0 0.0	95.7 0.0 0.0	2.9 299.2 2.9	360 360 360	1.0 1.0 1.0	95.6 0.0 0.0
1072	ROY_100_100e	1.0 1.0 1.0	1.0 1.0 1.0	360 360 360	1.0 1.0 1.0	23.3 1.3 -2.4	23.3 1.3 -2.4	0.0 0.0 0.0	360 360 360	1.0 1.0 1.0	95.6 0.0 0.0
1073	G50B_100_100e	0.0 0.0 0.0	0.0 0.0 0.0	360 360 360	0.0 0.0 0.0	45.5 70.5 45.5	45.5 70.5 45.5	83.9 32.8 11.2	375 375 375	0.0 0.0 0.0	25.4 80.0 25.4
1074	Y06G_100_100e	0.0 1.0 0.0	0.0 1.0 0.0	360 360 360	0.0 1.0 0.0	56.4 -25.2 -41.8	56.4 -25.2 -41.8	48.8 36.0 8.9	182 135 135	0.0 0.878 0.0	45.3 45.3 45.3
1075	B06B_100_100e	0.0 0.0 1.0	0.0 0.0 1.0	360 360 360	0.0 0.0 1.0	40.1 -29.8 -20.1	40.1 -29.8 -20.1	36.9 32.5 24.6	83 63 63	0.0 0.488 0.0	90.4 90.4 90.4
1076	B06B_100_100e	0.0 1.0 0.0	0.0 1.0 0.0	360 360 360	0.0 1.0 0.0	48.7 29.8 20.1	48.7 29.8 20.1	36.9 32.5 24.6	246 246 246	0.0 0.0 0.488	40.6 40.6 40.6
1077	B06B_100_100e	0.0 0.0 0.0	0.0 0.0 0.0	360 360 360	0.0 0.0 0.0	45.8 79.2 -0.2	45.8 79.2 -0.2	359.8 45.2 288	288 288 288	0.0 0.0 0.321	65.2 65.2 65.2
1078	B50R_100_100e	0.0 0.0 0.0	0.0 0.0 0.0	360 360 360	0.0 0.0 0.0	31.1 47.7 -29.1	31.1 47.7 -29.1	31.1 47.7 -29.1	31.1 47.7 -29.1	0.0 0.0 0.0	55.9 55.9 55.9
1079	B50R_100_100e	0.0 0.0 0.0	0.0 0.0 0.0	360 360 360	0.0 0.0 0.0	31.1 47.7 -29.1	31.1 47.7 -29.1	31.1 47.7 -29.1	31.1 47.7 -29.1	0.0 0.0 0.0	55.9 55.9 55.9

Mean color difference of this page: $\Delta E^* = 10.3$

TUB-test chart QE18; hue code: H*_e=R50Y_e
colors and differences, ΔE^*

input: rgb/cmyk -> rgb_e
output: transfer to cmy0_e

