

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 86/360 = 0.24$

$H^*_- = R75Y_-$

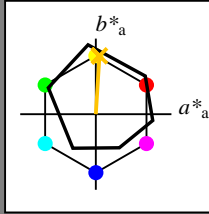
Data for any device (d) or elementary (e) colour:

HIC^*_-

hue text for the colours of this page:

$H^*_- = R75Y_-$

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):

$LabCh^*_{-,Ma}$: 80 4 77 77 86

$HIC^*_{-,Ma}$: R75Y_100_100_

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

1.0 0.76 0.0 1.0 1.0

triangle lightness T^*

%Gamut

$u^*_{rel} = 92$

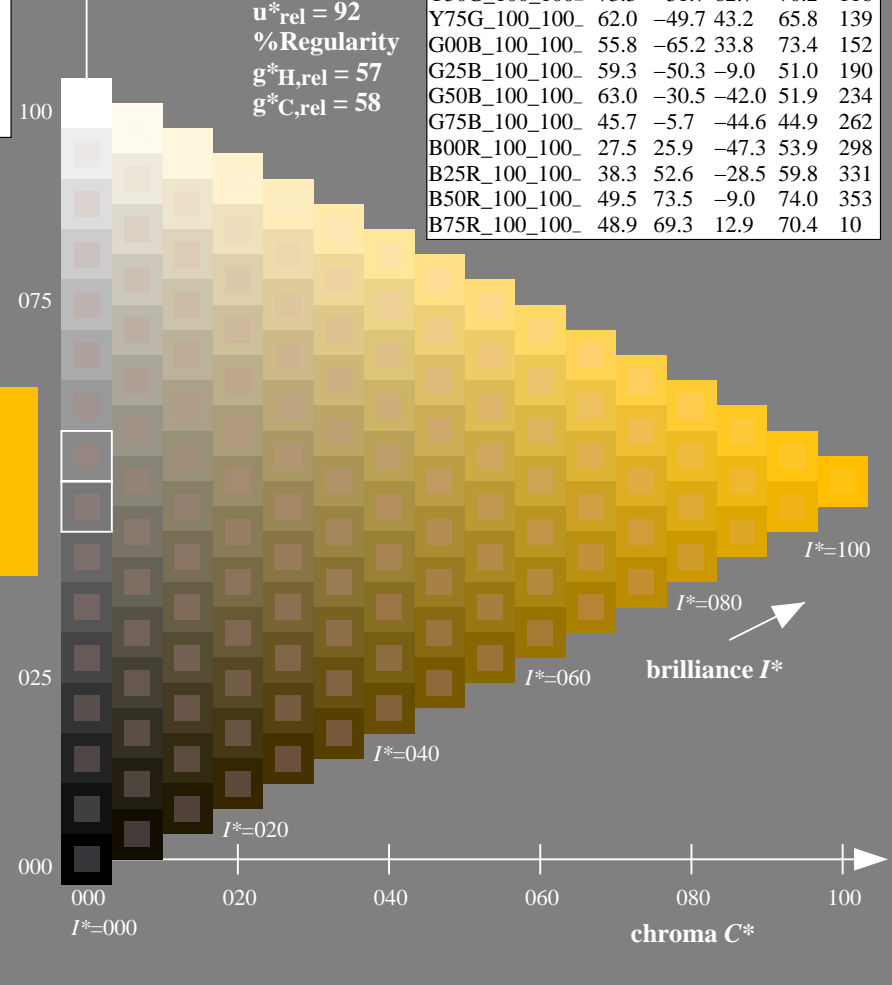
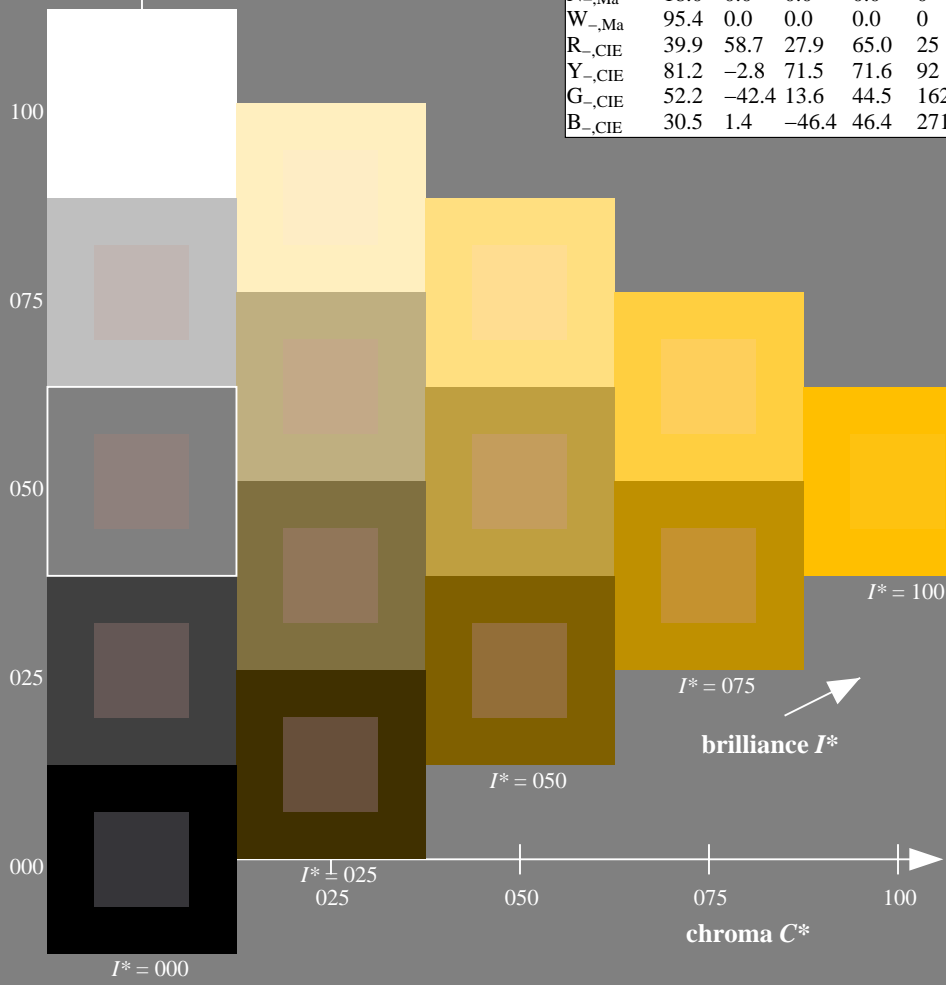
%Regularity

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

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

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



see similar files: <http://130.149.60.45/~farbmetrik/QE28/QE28.HTM>
 technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-QE28/QE28L0NA.TXT /PS
 application for measurement of offset print output

TUB material: code=rh4ta

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 76/360 = 0.21$

$H^*_e = R75Y_e$

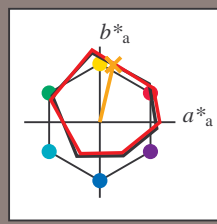
Data for any device (d) or elementary (e) colour:

HIC^*_e

hue text for the colours of this page:

$H^*_e = R75Y_e$

triangle lightness T^*



ORS20a; adapted (a) CIELAB data

name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
Re,Ma	45.6	72.2	34.4	80.0	25
Ye,Ma	83.6	-3.6	90.4	90.4	92
Ge,Ma	50.6	-62.1	19.9	65.2	162
Ce,Ma	55.0	-36.2	-27.2	45.3	216
Be,Ma	40.2	1.2	-40.6	40.6	271
Me,Ma	31.1	47.7	-29.1	55.9	328
Ne,Ma	24.3	0.0	0.0	0.0	0
We,Ma	95.6	0.0	0.0	0.0	0
Re,CIE	39.9	58.7	27.9	65.0	25
Ye,CIE	81.2	-2.8	71.5	71.6	92
Ge,CIE	52.2	-42.4	13.6	44.5	162
Be,CIE	30.5	1.4	-46.4	46.4	271

Data for maximum colour (Ma):

$LabCh^*_{e, Ma}: 70 \ 17 \ 75 \ 77 \ 76$

$HIC^*_{e, Ma}: R75Y_100_100_e$

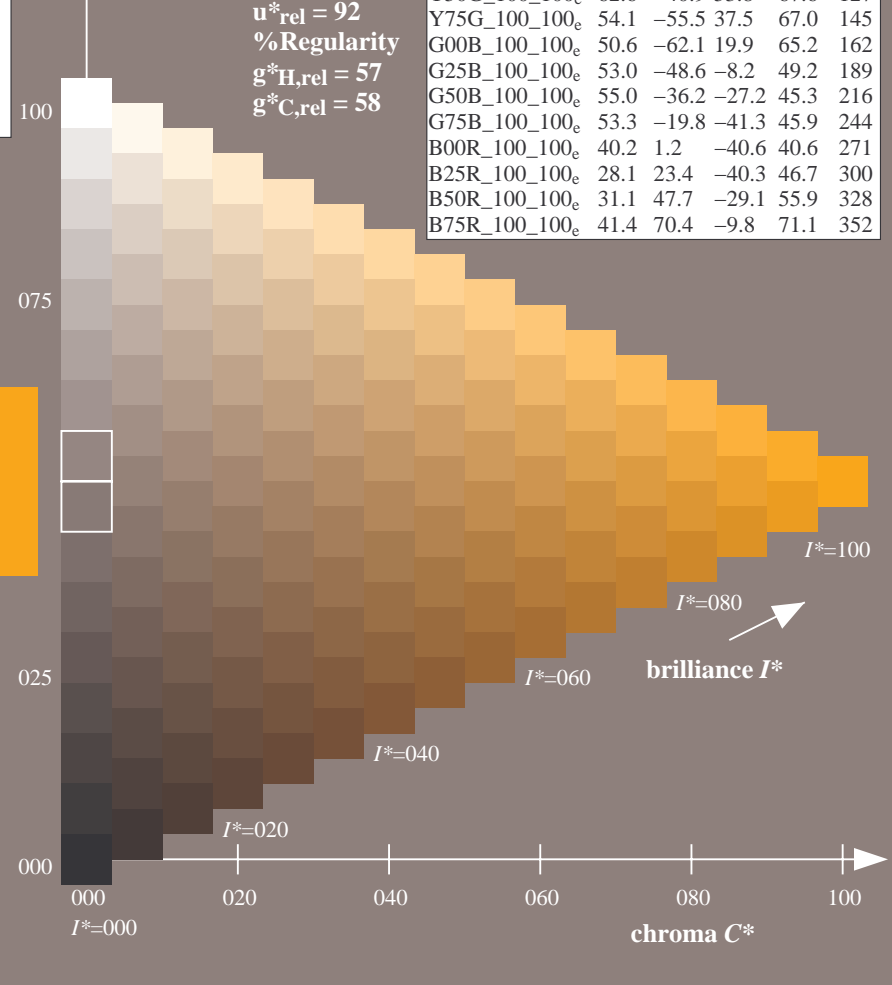
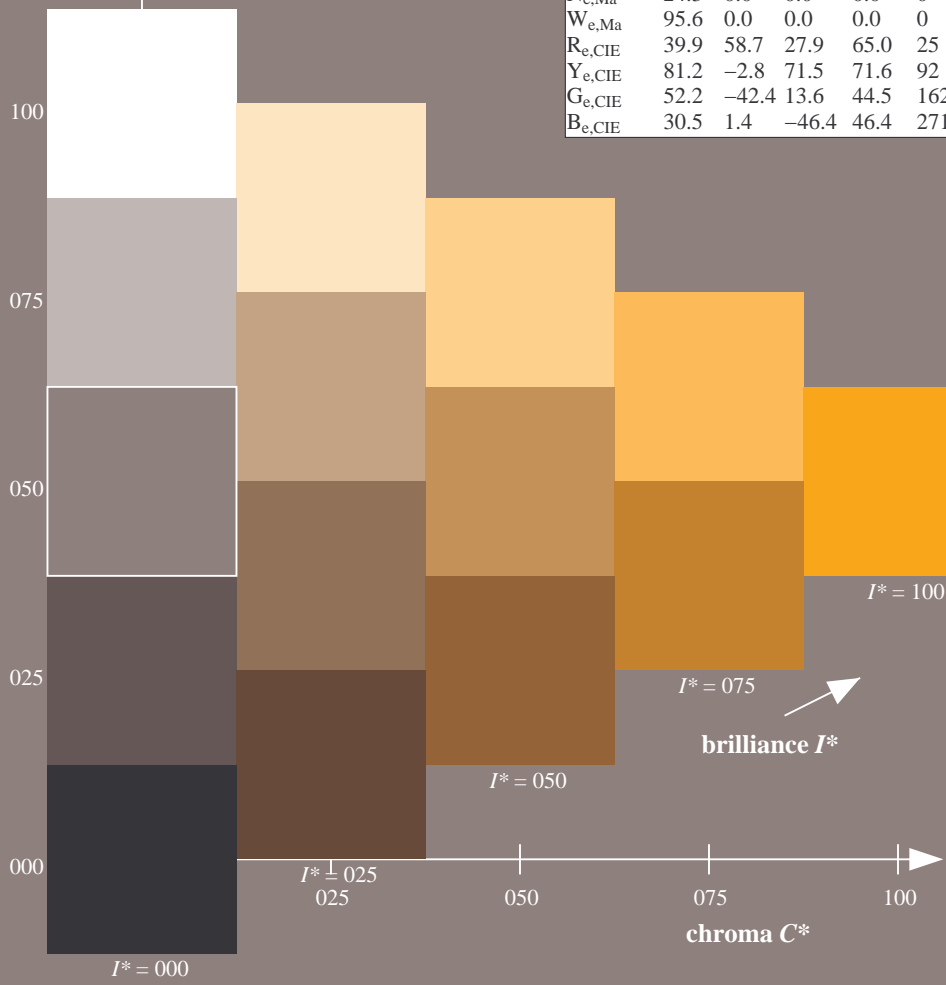
$rgbic^*_{e, Ma}$:

1.0 0.6 0.0 1.0 1.0

triangle lightness T^*

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



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

see similar files: http://130.149.60.45/~farbmetrik/QE28/QE28.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE28/QE28L0NA.TXT /PS
application for measurement of offset print output, separation cmy0 (CMY0)
TUB material: code=rh4ta

1-013131-L0 QE280-71

TUB-test chart QE28; hue code: $H^*_e=R75Y_e$
Test chart according to DIN 33872, 3D=0, de=1, cmy0

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

1-013131-F0

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 76/360 = 0.21$

$H^*_e = R75Y_e$

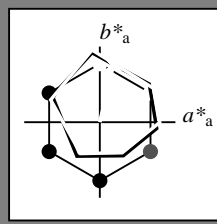
Data for any device (d) or elementary (e) colour:

HIC^*_e

hue text for the colours of this page:

$H^*_e = R75Y_e$

triangle lightness T^*



ORS20a; adapted (a) CIELAB data

name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
Re,Ma	45.6	72.2	34.4	80.0	25
Ye,Ma	83.6	-3.6	90.4	90.4	92
Ge,Ma	50.6	-62.1	19.9	65.2	162
Ce,Ma	55.0	-36.2	-27.2	45.3	216
Be,Ma	40.2	1.2	-40.6	40.6	271
Me,Ma	31.1	47.7	-29.1	55.9	328
Ne,Ma	24.3	0.0	0.0	0.0	0
We,Ma	95.6	0.0	0.0	0.0	0
Re,CIE	39.9	58.7	27.9	65.0	25
Ye,CIE	81.2	-2.8	71.5	71.6	92
Ge,CIE	52.2	-42.4	13.6	44.5	162
Be,CIE	30.5	1.4	-46.4	46.4	271

Data for maximum colour (Ma):

$LabCh^*_{e, Ma}: 70 \ 17 \ 75 \ 77 \ 76$

$HIC^*_{e, Ma}: R75Y_100_100_e$

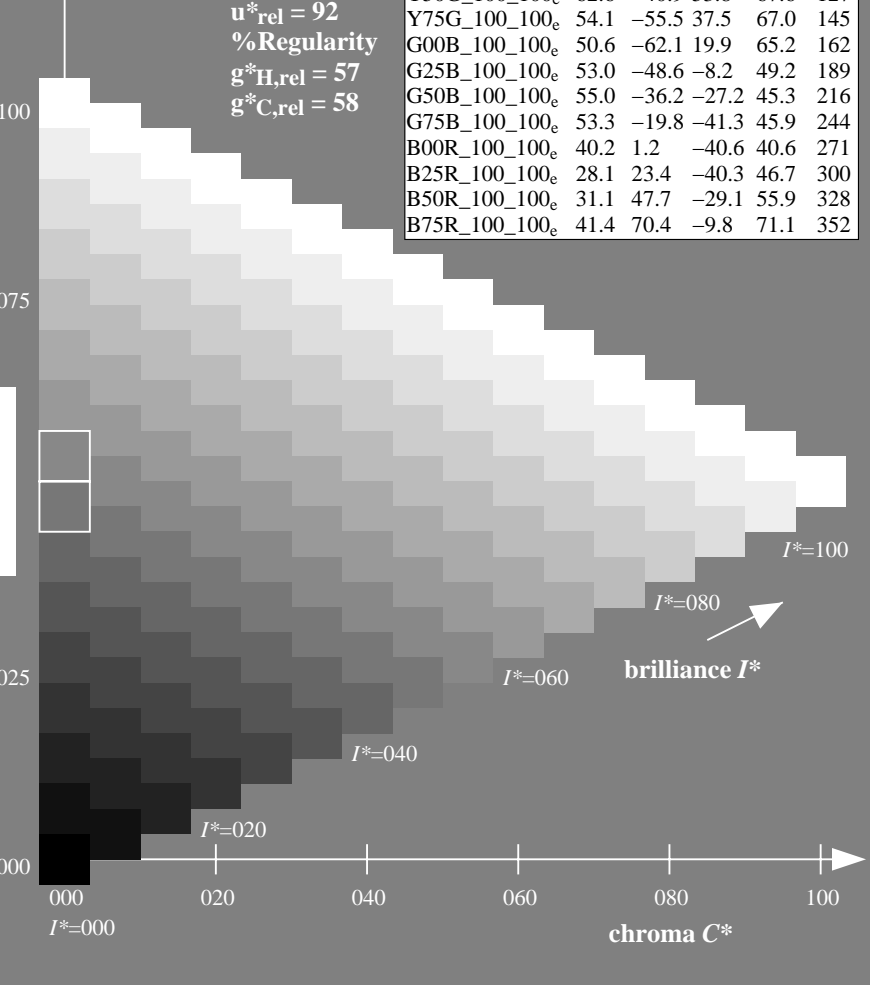
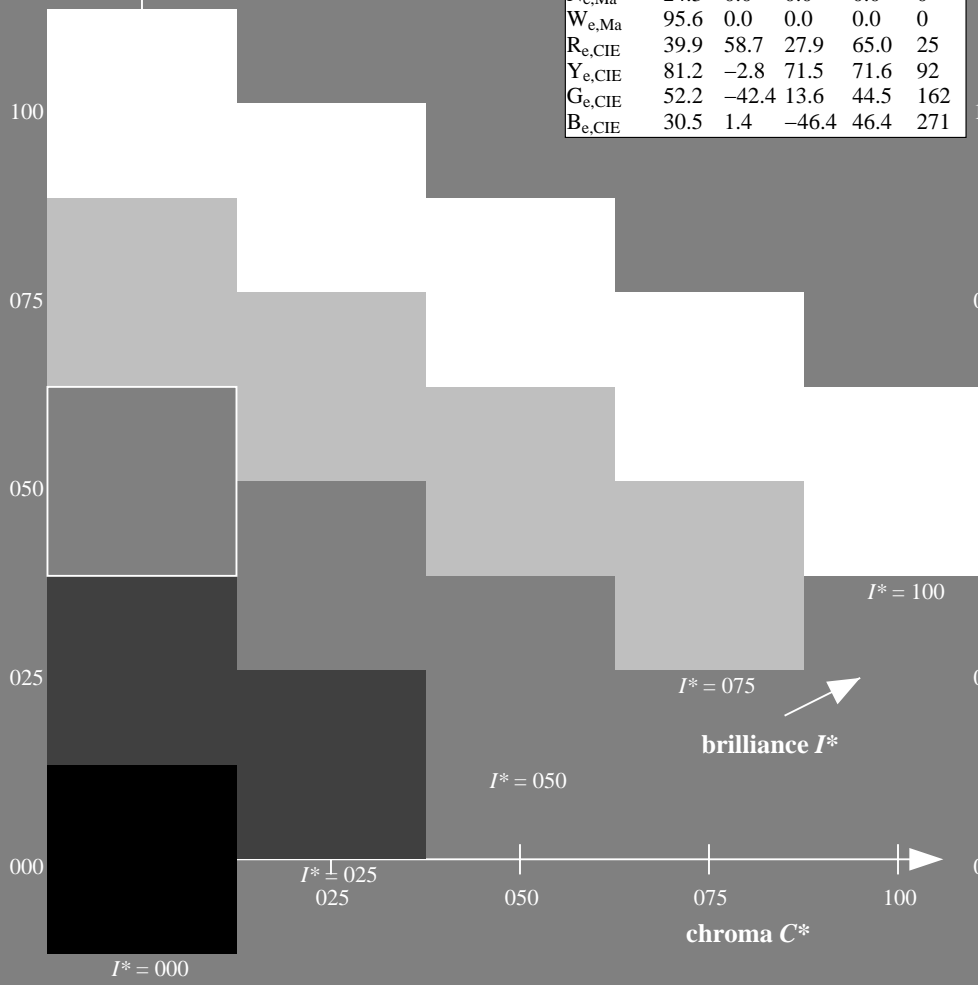
$rgbic^*_{e, Ma}: 1.0 \ 0.6 \ 0.0 \ 1.0 \ 1.0$

triangle lightness T^*

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

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



see similar files: http://130.149.60.45/~farbmetrik/QE28/QE28.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE28/QE28L0NA.TXT /PS
application for measurement of offset print output, separation cmy0 (CMY0)
TUB material: code=rh4ta

1-013231-L0 QE280-71

TUB-test chart QE28; hue code: $H^*_e=R75Y_e$
Test chart according to DIN 33872, 3D=0, de=1, cmy0

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

1-013231-F0

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 76/360 = 0.21$

$H^*_e = R75Y_e$

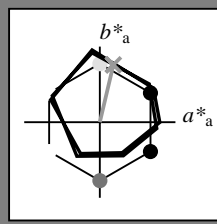
Data for any device (d) or elementary (e) colour:

HIC^*_e

hue text for the colours of this page:

$H^*_e = R75Y_e$

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: 70 17 75 77 76

$HIC^*_e, Ma: R75Y_100_100_e$

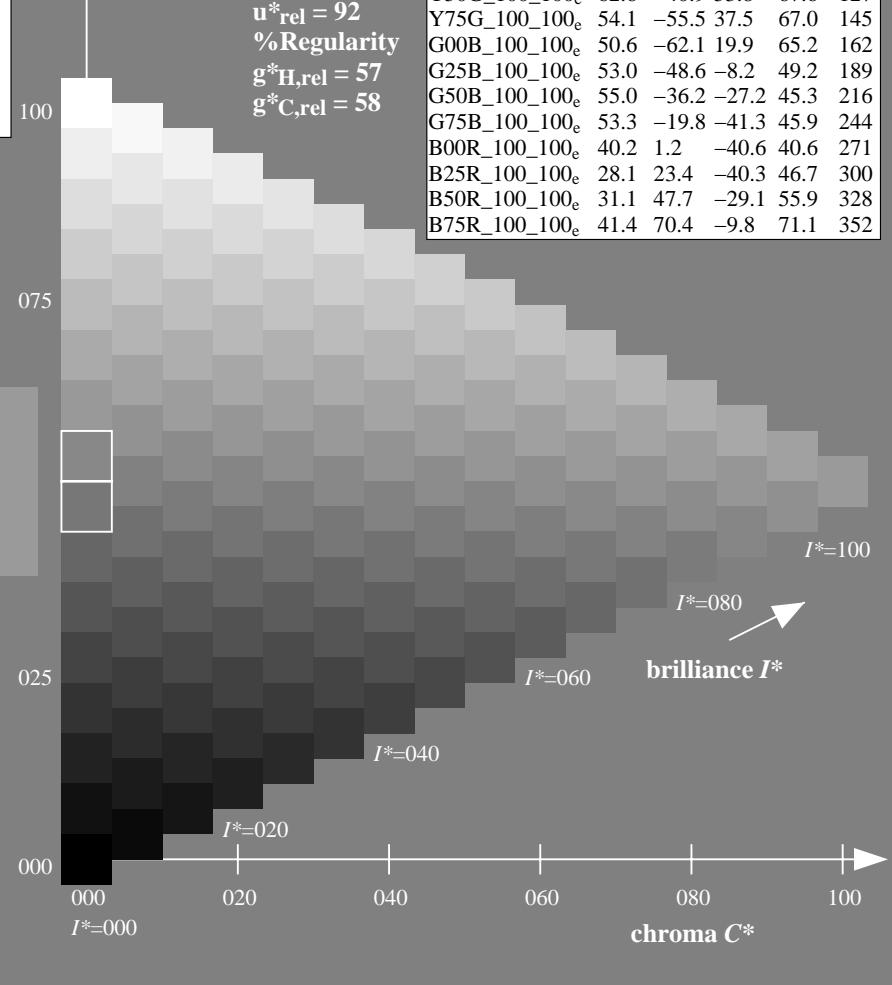
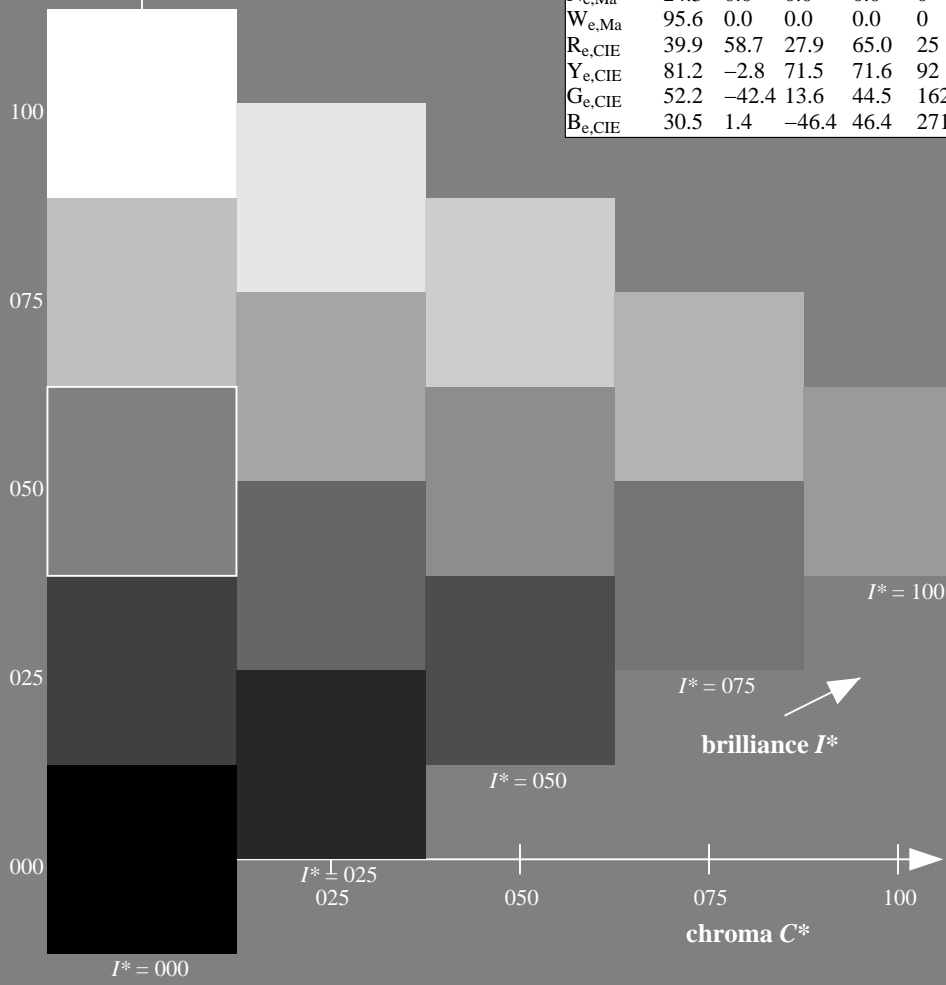
rgbic_e,Ma:

1.0 0.6 0.0 1.0 1.0

triangle lightness T^*

ORS20a; adapted (a) CIELAB data

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



see similar files: http://130.149.60.45/~farbmetrik/QE28/QE28L0NA.TXT /PS
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE28/QE28L0NA.TXT /PS
application for measurement of offset print output, separation cmy0 (CMY0)
TUB material: code=rh4ta

1-013331-L0 QE280-71

TUB-test chart QE28; hue code: $H^*_e=R75Y_e$
Test chart according to DIN 33872, 3D=0, de=1, cmy0

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

1-013331-F0

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 76/360 = 0.21$

$H^*_e = R75Y_e$

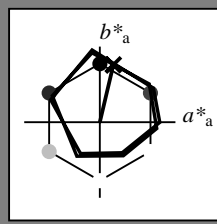
Data for any device (d) or elementary (e) colour:

HIC^*_e

hue text for the colours of this page:

$H^*_e = R75Y_e$

triangle lightness T^*



ORS20a; adapted (a) CIELAB data

name	$L^*=L^*_a a^*_a$	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
Re,Ma	45.6	72.2	34.4	80.0
Ye,Ma	83.6	-3.6	90.4	90.4
Ge,Ma	50.6	-62.1	19.9	65.2
Ce,Ma	55.0	-36.2	-27.2	45.3
Be,Ma	40.2	1.2	-40.6	40.6
Me,Ma	31.1	47.7	-29.1	55.9
Ne,Ma	24.3	0.0	0.0	0.0
We,Ma	95.6	0.0	0.0	0.0
Re,CIE	39.9	58.7	27.9	65.0
Ye,CIE	81.2	-2.8	71.5	71.6
Ge,CIE	52.2	-42.4	13.6	44.5
Be,CIE	30.5	1.4	-46.4	46.4

Data for maximum colour (Ma):

$LabCh^*_{e, Ma}: 70 \ 17 \ 75 \ 77 \ 76$

$HIC^*_{e, Ma}: R75Y_100_100_e$

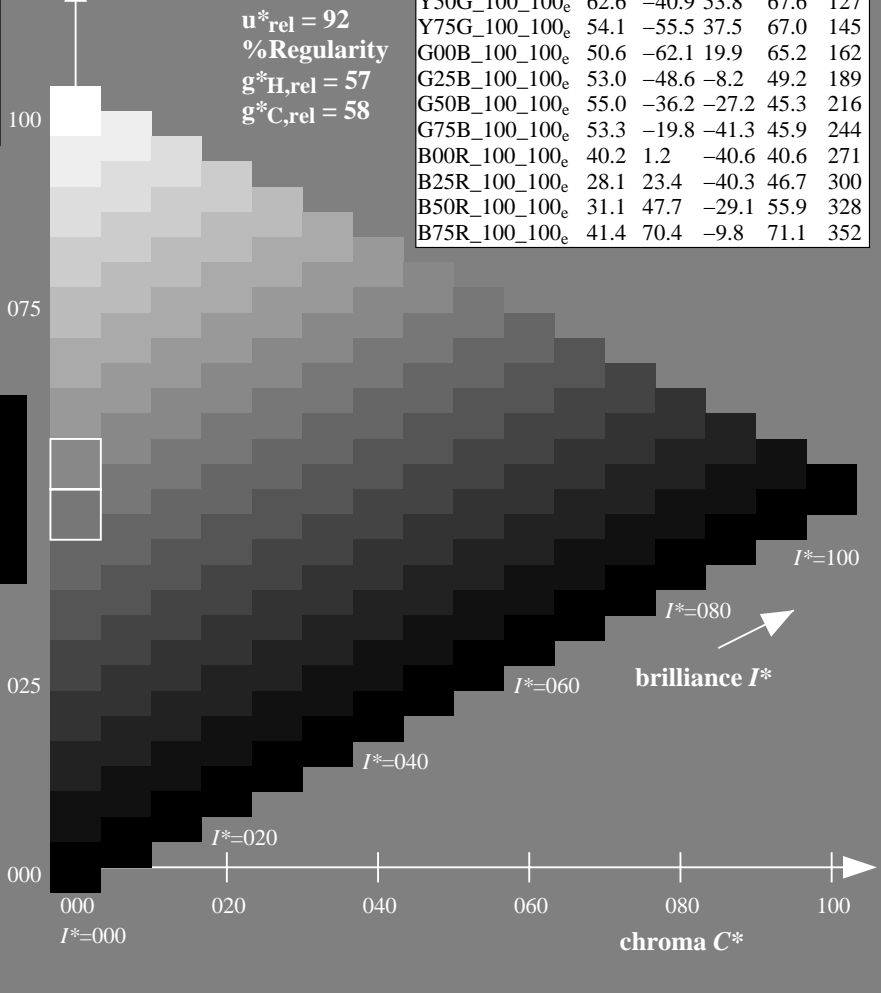
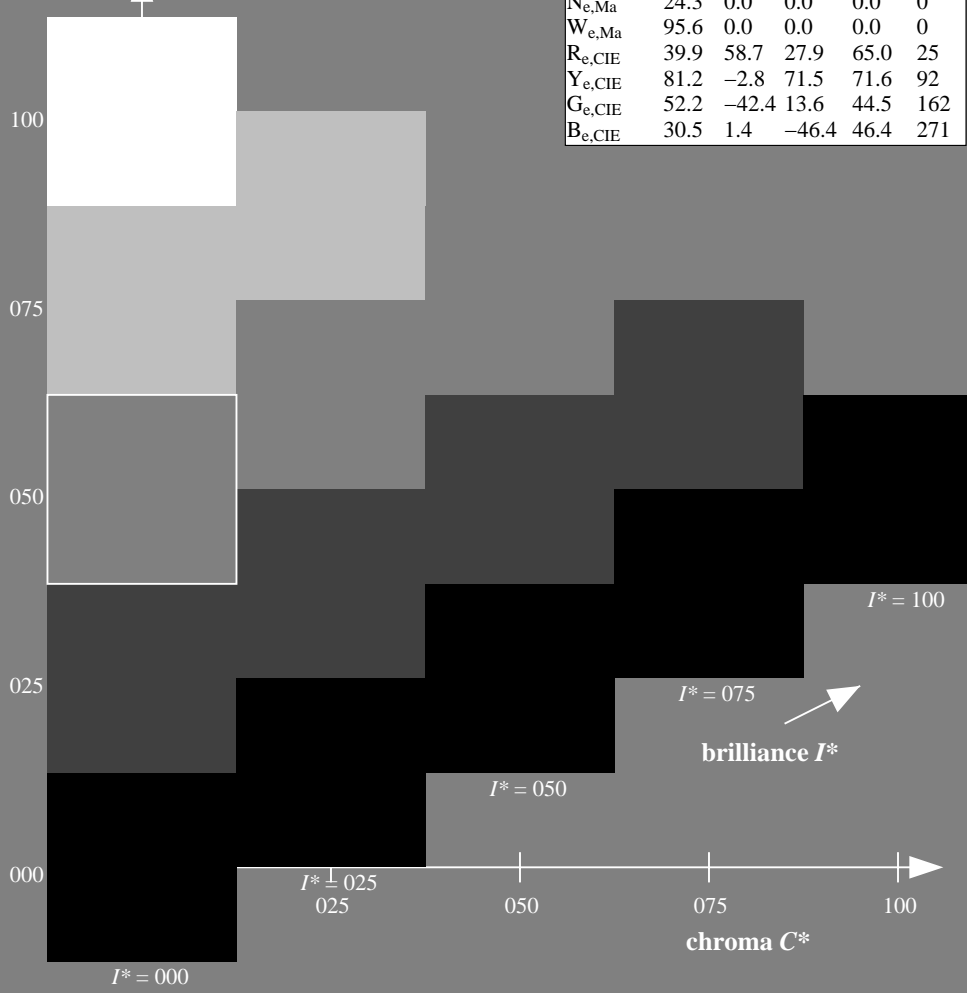
$rgbic^*_{e, Ma}$:

1.0 0.6 0.0 1.0 1.0

triangle lightness T^*

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
R25Y_100_100_e	50.5	59.2	51.6	78.6
R50Y_100_100_e	60.2	38.2	63.4	74.1
R75Y_100_100_e	70.9	17.9	75.9	77.9
Y00G_100_100_e	83.6	-3.6	90.4	90.4
Y25G_100_100_e	74.5	-25.0	74.3	78.4
Y50G_100_100_e	62.6	-40.9	53.8	67.6
Y75G_100_100_e	54.1	-55.5	37.5	67.0
G00B_100_100_e	50.6	-62.1	19.9	65.2
G25B_100_100_e	53.0	-48.6	-8.2	49.2
G50B_100_100_e	55.0	-36.2	-27.2	45.3
G75B_100_100_e	53.3	-19.8	-41.3	45.9
B00R_100_100_e	40.2	1.2	-40.6	40.6
B25R_100_100_e	28.1	23.4	-40.3	46.7
B50R_100_100_e	31.1	47.7	-29.1	55.9
B75R_100_100_e	41.4	70.4	-9.8	71.1



see similar files: http://130.149.60.45/~farbmetrik/QE28/QE28.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

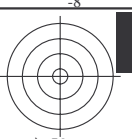
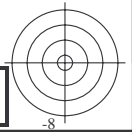
TUB registration: 20130201-QE28/QE28L0NA.TXT /PS
application for measurement of offset print output, separation cmy0 (CMY0)
TUB material: code=rh4ta

1-013431-L0 QE280-71

TUB-test chart QE28; hue code: $H^*_e=R75Y_e$
Test chart according to DIN 33872, 3D=0, de=1, cmy0

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

1-013431-F0



http://130.149.60.45/~farbmetrik/QE28/QE28L0NA.TXT /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 6/33

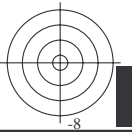
see similar files: <http://130.149.60.45/~farbmetrik/QE28/QE28.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>



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

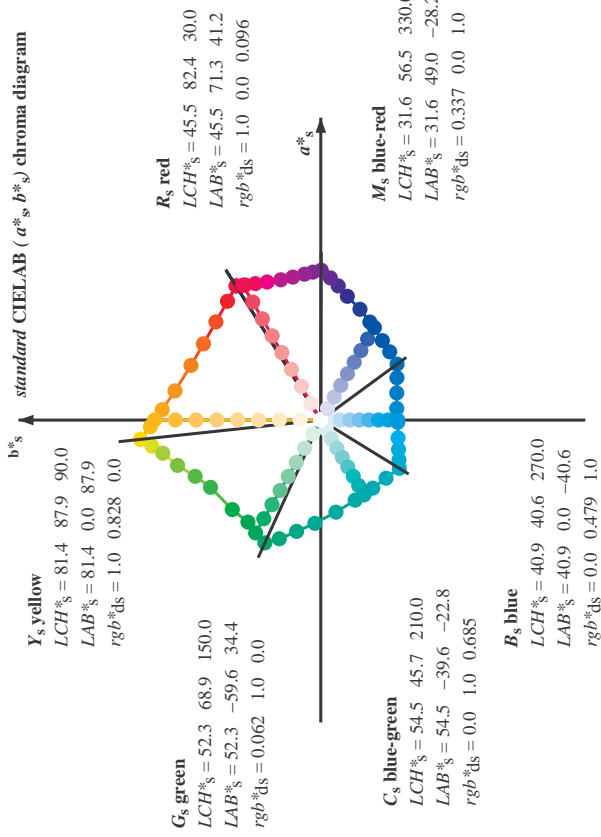
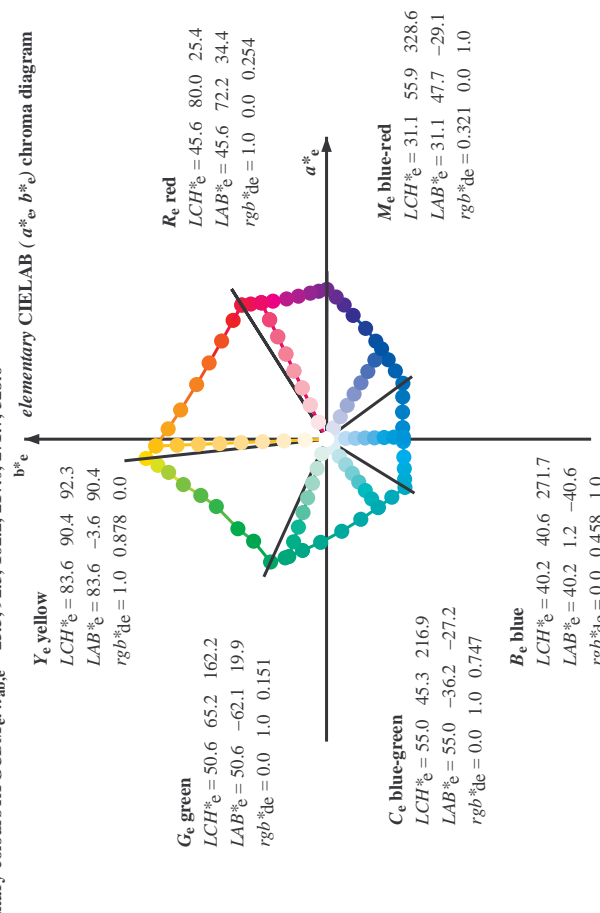
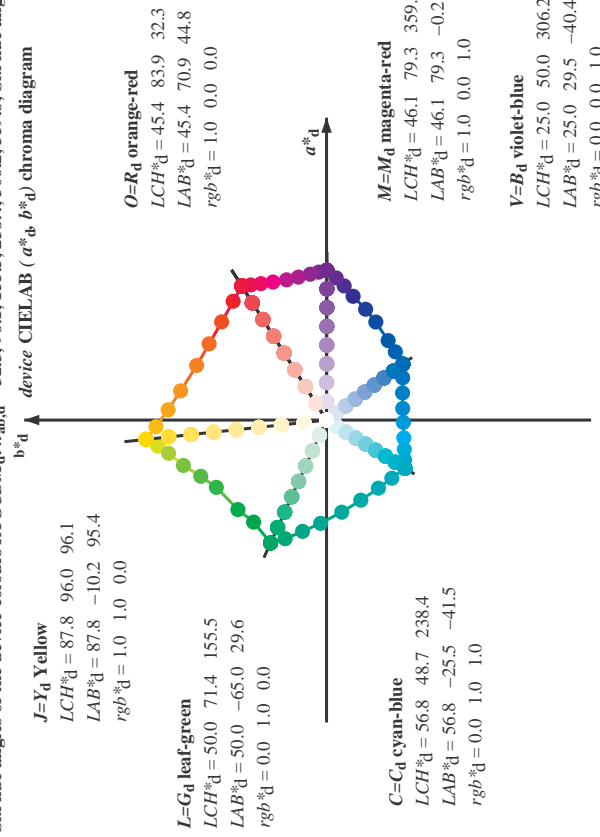
TUB-test chart QE28; hue code: $H^*_e=R75Y_e$
Test chart according to DIN 33872, 3D=0, de=1, *cmy0*

1-013531-L0 QE280-71



1-013531-F0

Data of Maximum color, M in colorimetric system Offset standard print; separation cmy0; D65 for input or output; Six hue angles of the 60 degree standard colours 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; $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$



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

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

$$h_{ab,s} = \arctan \left[\frac{r^*_s \cos(30) + g^*_s \sin(150)}{r^*_s \cos(150) + g^*_s \sin(30)} \right] / \left[r^*_s \sin(30) + b^*_s \sin(270) \right]$$
- For the 48 or 360 equally spaced standard hue angles $h_{ab,i}$ of the colours of maximum chroma use the seven hue angles of the 60 degree colours e : $h_{ab,i} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0, 390.0$ ($i=0,6$) and the equations for a 48 and 360 step hue circle:

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

$$h_{360ab,ij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59)$$
- For the 48 or 360 elementary hue angles $h_{ab,i}$ of the colours of maximum chroma use the seven hue angles of the elementary colours e : $h_{ab,i} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6, 385.5$ ($i=0,6$) and the equations for a 48 and 360 step elementary hue circle:

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

$$h_{360ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59)$$
- 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.
- The values rgb^*_d produce the output of the device-independent elementary hues

http://130.149.60.45/~farbmetrik/QE28/QE28L0NA.TXT /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 8/33

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 RYGBM; h_ab,d,s = 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

Table with columns for colorimetric data: h_ab,d, h_ab,s, h_ab,e, LAB* d64M, LAB* d65M, LAB* d66M, LAB* d67M, LAB* d68M, LAB* d69M, LAB* d70M, LAB* d71M, LAB* d72M, LAB* d73M, LAB* d74M, LAB* d75M, LAB* d76M, LAB* d77M, LAB* d78M, LAB* d79M, LAB* d80M, LAB* d81M, LAB* d82M, LAB* d83M, LAB* d84M, LAB* d85M, LAB* d86M, LAB* d87M, LAB* d88M, LAB* d89M, LAB* d90M, LAB* d91M, LAB* d92M, LAB* d93M, LAB* d94M, LAB* d95M, LAB* d96M, LAB* d97M, LAB* d98M, LAB* d99M, LAB* d100M. Rows correspond to 100 different color patches.

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

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



http://130.149.60.45/~farbmetrik/QE28/QE28L0NA.TXT /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 9/33

Data of Maximum color, M in colorimetric system Offset standard print; separation cmy0*: 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

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

I-013831-L0 QE280-71 LAB*_{lab}, YN=0%, XY_{Znw}=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 QE28; hue code: H*_e=R75Y_e
48 step hue circles; rgb-LabCh*tables
input: rgb/cmyk -> rgb
output: transfer to cmy0_e

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



TUB registration: 20130201-QE28/QE28L0NA.TXT /.PS TUB material: code=rha4ta
 application for measurement of offset print output, separation cmy0 (CMY0)

http://130.149.60.45/~farbmetrik/QE28/QE28L0NA.TXT /.PS; transfer output
 N: no 3D-linearization (OL) in file (F) or PS-startup (S), 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 RYGBM_d: h_{ab,d} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;

	LAB* _d dxs361MI (x=LabCh)			LAB* _s dss361MI (x=LabCh)			LAB* _e dex361MI (x=LabCh)			LAB* _e dex361MI (x=LabCh)									
	R _d	g _b * _d	g _b * _s	R _s	g _b * _s	g _b * _e	R _e	g _b * _e	R _e	g _b * _e	g _b * _d								
32	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32	1.0	0.0	0.0	0.0							
33	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
34	1.0	0.033	0.0	46.3	68.8	46.1	82.8	33	1.0	0.0	0.103	45.5	71.0	44.4	83.7	32	1.0	0.033	0.0
35	1.0	0.005	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
36	1.0	0.066	0.0	47.3	66.6	47.4	81.8	35	1.0	0.036	0.0	46.5	68.0	46.3	82.8	34	1.0	0.067	0.0
37	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
38	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
39	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
40	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
41	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
42	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
43	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
44	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
45	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
46	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
47	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
48	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
49	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
50	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
51	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
52	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
53	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
54	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
55	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
56	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
57	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
58	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
59	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
60	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
61	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
62	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
63	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	74.3	61	1.0	0.517	0.0
64	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
65	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
66	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
67	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
68	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
69	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
70	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
71	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
72	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
73	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
74	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
75	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
76	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
77	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

I-013931-L0 QE280-71 LAB*_dat, 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

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



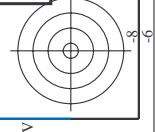
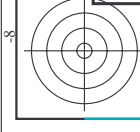
see similar files: http://130.149.60.45/~farbmetrik/QE28/QE28.HTM
 technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

http://130.149.60.45/~farbmetrik/QE28/QE28L0NA.TXT /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 1/33

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 RYGBM; h_ab,d_s = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;

Table with 12 columns: h_ab,d, h_ab,s, h_ab,e, rgbb*, dgbb*, ds361M, LAB*_d361M(x=LabCh), rgbb*_d361M, LAB*_d361M(x=LabCh), rgbb*_d361M, LAB*_d361M(x=LabCh), rgbb*_d361M, LAB*_d361M(x=LabCh), rgbb*_d361M, LAB*_d361M(x=LabCh). Rows 86-127.

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



http://130.149.60.45/~farbmetrik/QE28/QE28L0NA.TXT /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 12/33

Data of Maximum color, M in colorimetric system Offset standard print; separation cmy0*; 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;

Table with columns for hue angles (h_ab,d, h_ab,s), device colours (RYGBM), Lab parameters (L*, a*, b*), and CMYK/RGB values. The table contains 167 rows of data.

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

Registration marks (crosshairs) at the top and bottom corners, and a color calibration bar on the right side.



http://130.149.60.45/~farbmetrik/QE28/QE28L0NA.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 RYGBM _d ; h _{ab,d} = 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															
h _{ab,d}	h _{ab,s}	h _{ab,e}	h _{ab,s}	h _{ab,d}	h _{ab,s}												
LAB* _d dxs361MI (x=LabCh)	rgb* _d ds361MI	LAB* _s dxs361MI (x=LabCh)	rgb* _s ds361MI	LAB* _e dex361MI (x=LabCh)	rgb* _e dd361MI												
289	255	258	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	0.0	0.641	1.0	47.0	-10.1	-40.9	42.2	256	0.0	0.233	1.0	
292	257	259	0.0	0.216	1.0	0.0	0.624	1.0	46.5	-9.3	-40.8	42.0	257	0.0	0.217	1.0	
293	258	260	0.0	0.2	1.0	0.0	0.613	1.0	46.1	-8.6	-40.8	41.9	258	0.0	0.2	1.0	
294	259	261	0.0	0.183	1.0	0.0	0.602	1.0	45.7	-7.9	-40.9	41.7	258	0.0	0.183	1.0	
295	260	262	0.0	0.166	1.0	0.0	0.591	1.0	45.3	-7.1	-40.9	41.6	259	0.0	0.167	1.0	
297	261	263	0.0	0.15	1.0	0.0	0.58	1.0	44.8	-6.4	-40.9	41.5	260	0.0	0.15	1.0	
298	262	264	0.0	0.133	1.0	0.0	0.569	1.0	44.4	-5.7	-40.9	41.4	261	0.0	0.133	1.0	
299	263	265	0.0	0.116	1.0	0.0	0.558	1.0	44.0	-4.9	-40.9	41.3	262	0.0	0.117	1.0	
300	264	266	0.0	0.1	1.0	0.0	0.547	1.0	43.5	-4.2	-40.8	41.2	263	0.0	0.1	1.0	
301	265	267	0.0	0.083	1.0	0.0	0.536	1.0	43.1	-3.5	-40.8	41.1	264	0.0	0.083	1.0	
302	266	268	0.0	0.066	1.0	0.0	0.525	1.0	42.7	-2.8	-40.7	40.9	265	0.0	0.067	1.0	
303	267	269	0.0	0.049	1.0	0.0	0.514	1.0	42.3	-2.0	-40.7	40.8	266	0.0	0.05	1.0	
304	268	269	0.0	0.033	1.0	0.0	0.503	1.0	41.8	-1.3	-40.6	40.7	267	0.0	0.033	1.0	
305	269	270	0.0	0.016	1.0	0.0	0.491	1.0	41.4	-0.6	-40.6	40.7	268	0.0	0.017	1.0	
306	270	271	0.0	0.0	1.0	0.0	0.479	1.0	41.0	0.0	-40.6	40.7	269	0.0	0.0	1.0	
307	271	272	0.016	0.0	1.0	0.0	0.467	1.0	40.6	0.7	-40.6	40.7	270	0.0	0.017	1.0	
308	272	273	0.033	0.0	1.0	0.0	0.455	1.0	40.2	1.4	-40.6	40.7	271	0.0	0.033	0.0	1.0
309	273	274	0.05	0.0	1.0	0.0	0.443	1.0	39.7	2.1	-40.5	40.7	272	0.05	0.0	1.0	
310	274	275	0.066	0.0	1.0	0.0	0.431	1.0	39.3	2.8	-40.5	40.7	273	0.067	0.0	1.0	
311	275	276	0.083	0.0	1.0	0.0	0.419	1.0	38.9	3.5	-40.4	40.7	274	0.083	0.0	1.0	
313	276	277	0.1	0.0	1.0	0.0	0.407	1.0	38.5	4.3	-40.4	40.7	275	0.1	0.0	1.0	
314	277	278	0.116	0.0	1.0	0.0	0.395	1.0	38.1	5.0	-40.3	40.7	276	0.117	0.0	1.0	
315	278	279	0.133	0.0	1.0	0.0	0.383	1.0	37.6	5.7	-40.2	40.7	277	0.133	0.0	1.0	
316	279	280	0.15	0.0	1.0	0.0	0.371	1.0	37.2	6.4	-40.2	40.8	278	0.15	0.0	1.0	
317	280	281	0.166	0.0	1.0	0.0	0.36	1.0	36.8	7.1	-40.2	41.1	280	0.167	0.0	1.0	
318	281	282	0.183	0.0	1.0	0.0	0.348	1.0	36.4	7.8	-40.3	41.1	281	0.183	0.0	1.0	
319	282	283	0.2	0.0	1.0	0.0	0.337	1.0	36.0	8.6	-40.3	41.3	282	0.2	0.0	1.0	
320	283	284	0.216	0.0	1.0	0.0	0.326	1.0	35.6	9.3	-40.3	41.5	283	0.217	0.0	1.0	
321	284	285	0.233	0.0	1.0	0.0	0.314	1.0	35.2	10.1	-40.3	41.7	284	0.233	0.0	1.0	
322	285	285	0.25	0.0	1.0	0.0	0.303	1.0	34.8	10.8	-40.3	41.9	285	0.25	0.0	1.0	
323	286	286	0.266	0.0	1.0	0.0	0.291	1.0	34.3	11.6	-40.3	42.0	286	0.267	0.0	1.0	
325	287	287	0.283	0.0	1.0	0.0	0.28	1.0	33.9	12.3	-40.3	42.2	287	0.283	0.0	1.0	
326	288	288	0.3	0.0	1.0	0.0	0.269	1.0	33.5	13.1	-40.2	42.4	288	0.3	0.0	1.0	
328	289	289	0.316	0.0	1.0	0.0	0.257	1.0	33.1	13.9	-40.2	42.6	289	0.317	0.0	1.0	
329	290	290	0.333	0.0	1.0	0.0	0.245	1.0	32.7	14.6	-40.1	42.8	290	0.333	0.0	1.0	
331	291	291	0.35	0.0	1.0	0.0	0.232	1.0	32.2	15.5	-40.2	43.2	291	0.35	0.0	1.0	
332	292	292	0.366	0.0	1.0	0.0	0.219	1.0	31.8	16.3	-40.3	43.6	292	0.367	0.0	1.0	
333	293	293	0.383	0.0	1.0	0.0	0.205	1.0	31.4	17.2	-40.3	43.9	293	0.383	0.0	1.0	
334	294	294	0.4	0.0	1.0	0.0	0.192	1.0	30.9	18.0	-40.3	44.3	294	0.4	0.0	1.0	
335	295	295	0.416	0.0	1.0	0.0	0.179	1.0	30.5	18.9	-40.4	44.6	295	0.417	0.0	1.0	
336	296	296	0.433	0.0	1.0	0.0	0.166	1.0	30.0	19.7	-40.3	44.9	296	0.433	0.0	1.0	
337	297	297	0.45	0.0	1.0	0.0	0.152	1.0	29.6	20.6	-40.3	45.4	297	0.45	0.0	1.0	
338	298	298	0.466	0.0	1.0	0.0	0.139	1.0	29.1	21.5	-40.3	45.7	298	0.467	0.0	1.0	
339	299	299	0.483	0.0	1.0	0.0	0.126	1.0	28.7	22.3	-40.2	46.1	299	0.483	0.0	1.0	
340	300	300	0.5	0.0	1.0	0.0	0.109	1.0	28.2	23.3	-40.3	46.6	300	0.5	0.0	1.0	

I-0131431-L0 QE280-71 LAB*_{lab}, YN=0%, XY Znw=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 -> rgbe
 output: transfer to cmy0e
 TUB-test chart QE28; hue code: H*_e=R75Y_e
 48 step hue circles; rgb-LabCh*tables



http://130.149.60.45/~farbmetrik/QE28/QE28L0NA.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 RYGBM; h_ab,ds = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;

Table with 10 columns: h_ab,d, h_ab,s, h_ab,e, L*a*b*_ds, L*a*b*_s, L*a*b*_e, L*a*b*_ds361MI, L*a*b*_s361MI, L*a*b*_e361MI, R_d. Rows 366-392.

LAB*ab0, YN=0%, XY Znw=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

TUB-test chart QE28; hue code: H*_e=R75Y_e input: rgb/cmyk -> rgb output: transfer to cmy0_e

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

http://130.149.60.45/~farbmetrik/QE28/QE28L0NA.TXT /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 18/33

Table with 15 columns: nif, H*FC, r*Cb, r*Cb, i*Cb, i*Cb, i*Cb, i*Cb, i*Cb, i*Cb, i*Cb, i*Cb, i*Cb, i*Cb, i*Cb. Rows include color names like R000, R135, R255, etc., and numerical values for each column.

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

Mean color difference of this page: delta E* = 20.9

nif	HC*Fe	rgb*Fe	act*Fe	hsa*Fe	rgb*Fe	LabCh*Fe	rgb*Fe	LabCh*Fe	DF*Fe	HaMe	rgb*Me	LabCh*Me	DF*Me	HaMe	rgb*Me	LabCh*Me	DF*Me	HaMe
0/648	R00Y_100_100e	1.0	0.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1/668	R25Y_100_100e	1.0	0.25	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2/684	R50Y_100_100e	1.0	0.5	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3/702	R75Y_100_100e	1.0	0.75	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4/720	Y00C_100_100e	1.0	1.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5/558	Y25C_100_100e	0.75	1.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6/396	Y50C_100_100e	0.25	1.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7/234	Y75C_100_100e	0.0	1.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8/72	G00B_100_100e	0.0	1.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9/72	G25B_100_100e	0.0	1.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10/76	G50B_100_100e	0.0	1.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11/80	G75B_100_100e	0.0	1.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12/44	G50B_100_100e	0.0	1.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13/8	B00M_100_100e	0.0	1.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14/332	B25R_100_100e	0.5	1.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15/656	B50R_100_100e	1.0	1.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16/652	B75R_100_100e	1.0	1.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17/648	R00Y_100_100e	1.0	0.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18/688	R00Y_100_050e	1.0	0.5	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19/706	R50Y_100_050e	1.0	0.75	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20/724	Y00C_100_050e	1.0	1.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21/400	G00B_100_050e	0.5	1.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22/548	B00R_100_050e	0.5	1.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23/548	B00R_100_050e	0.5	1.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24/692	B50R_100_050e	1.0	0.5	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25/692	B50R_100_050e	1.0	0.5	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26/688	R00Y_100_050e	1.0	0.5	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27/506	R00Y_075_050e	0.75	0.25	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28/524	R50Y_075_050e	0.75	0.5	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29/542	Y00C_075_050e	0.75	0.75	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30/380	Y50C_075_050e	0.25	0.75	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31/218	G00B_075_050e	0.25	0.75	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32/222	G50B_075_050e	0.25	0.75	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33/186	B00R_075_050e	0.25	0.75	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34/510	B50R_075_050e	0.25	0.75	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35/506	R00Y_075_050e	0.75	0.25	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36/324	R00Y_050_050e	0.5	0.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37/342	R50Y_050_050e	0.5	0.25	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38/360	Y00C_050_050e	0.5	0.5	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39/198	Y50C_050_050e	0.25	0.5	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40/36	G00B_050_050e	0.0	0.5	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41/40	G50B_050_050e	0.0	0.5	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42/4	B00R_050_050e	0.0	0.5	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43/328	B50R_050_050e	0.5	0.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44/324	R00Y_050_050e	0.5	0.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45/0	NW_000e	0.0	0.0	0.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46/91	NW_013e	0.125	0.125	0.125	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47/182	NW_025e	0.25	0.25	0.25	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48/273	NW_038e	0.375	0.375	0.375	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49/364	NW_050e	0.5	0.5	0.5	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50/455	NW_062e	0.625	0.625	0.625	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51/546	NW_075e	0.75	0.75	0.75	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52/637	NW_088e	0.875	0.875	0.875	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53/728	NW_100e	1.0	1.0	1.0	0.0	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

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

TUB-test chart QE28; hue code: H*_e=R75Y_e colors and differences, ΔE*'

http://130.149.60.45/~farbmetrik/QE28/QE28LONA.TXT /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 20/33

Table with 80 columns (n=F to n=80) and 10 rows of colorimetric data including H*E, rgb, Lab, D50, and Delta E* values.

see similar files: http://130.149.60.45/~farbmetrik/QE28/QE28LONA.TXT /.PS technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

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

TUB-test chart QE28; hue code: H*e=R75Ye colors and differences, ΔE*

http://130.149.60.45/~farbmetrik/QE28/QE28LONA.TXT / .PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 21/33

Table with 16 columns: n, H*E*Fe, r*g*b*Fe, i*c*t*Fe, h*s*a*Fe, r*g*b*Fe, LabC*H*Fe, LabC*H*Fe, r*g*b*Fe, D*E*Fe, h*a*m*Fe, r*g*b*Fe, LabC*H*Fe, LabC*H*Fe, r*g*b*Fe, D*E*Fe, h*a*m*Fe. Rows 81-161.

QE280-TN; Page 21/33-F

TUB-test chart QE28; hue code: H*e=R75Ye colors and differences, ΔE*

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

Mean color difference of this page: delta E* = 12.0

http://130.149.60.45/~farbmetrik/QE28/QE28LONA.TXT / .PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 22/33

Table with columns: n, HHC*Fe, rgb*Fe, iet*Fe, Hs_Fe, LabCH*Fe, rgp*Fe, LabCH*Fe, DF*Fe, HaMe, LabCH*Fe, rgp*Fe, LabCH*Fe. It contains color calibration data for various color bars.

Mean color difference of this page:

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

QE280-TN; Page 22/33-F

TUB-test chart QE28; hue code: H*e=R75Ye colors and differences, ΔE*

http://130.149.60.45/~farbmetrik/QE28/QE28LONA.TXT /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 24/33

Table with 15 columns: n, HHC*Fe, rpb*Fe, icr*Fe, hsa*Fe, rpb*Fe, LabCh*Fe, LabCh*Fe, rpb*Fe, DF*Fe, hsa*Fe, LabCh*Fe, rpb*Fe, LabCh*Fe, LabCh*Fe. Rows 324-404.

input: rgb/cmyk -> rgbe output: transfer to cmy0e Mean color difference of this page: delta E* = 15.7

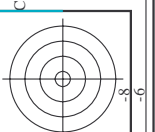
Table with 15 columns: n, HHC*Fe, rgb*Fe, icr*Fe, Hs*Fe, rgb*Fe, LabCH*Fe, LabCH*Fe, LabCH*Fe, LabCH*Fe, DE*Fe, HaM*Fe, rgb*Fe, LabCH*Fe, LabCH*Fe. Rows 405-485.

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

TUB-test chart QE28; hue code: H*e=R75Ye colors and differences, ΔE*

Mean color difference in this page: delta E* = 15.9

QE280-TN; Page 25/33-F I-0132431-F0



http://130.149.60.45/~farbmetrik/QE28/QE28LONA.TXT / .PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 26/33

Table with 10 columns: n, HHC*Fe, rpb*Fe, icr*Fe, Hs*Fe, rpb*Fe, LabCH*Fe, LabCH*Fe, DF*Fe, HaMe, rpb*Fe, LabCH*Fe, LabCH*Fe. Rows include color names like R00Y, R35Y, R50Y, etc.

Mean color difference of this page: delta E* = 14.5

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

TUB-test chart QE28; hue code: H*e=R75Ye colors and differences, AE*

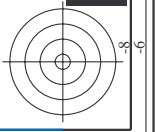
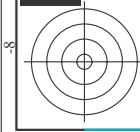


Table with 10 columns: n, HHC*Fe, rgb*Fe, iet*Fe, Hs*Fe, rgb*Fe, LabCh*Fe, LabCh*Fe, LabCh*Fe, DE*Fe, Hs*Fe, rgb*Fe, LabCh*Fe. Rows 567-647. Includes color calibration data for various color patches.

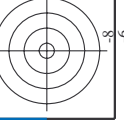
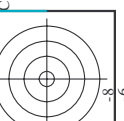
input: rgb/cmyk -> rgbe output: transfer to cmy0e

TUB-test chart QE28; hue code: H*e=R75Ye colors and differences, ΔE*

QE280-TN; Page 27/33-F

I-0132631-F0

I-0132631-F0



http://130.149.60.45/~farbmetrik/QE28/QE28LONA.TXT /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 28/33

Table with 15 columns: n, HHC*Fe, rpb*Fe, icr*Fe, Hs*Fe, rpb*Fe, LabCh*Fe, LabCh*Fe, rpb*Fe, DF*Fe, Hs*Fe, LabCh*Fe, rpb*Fe, LabCh*Fe, LabCh*Fe. Rows include color names like R00Y, R00M, B00R, etc.

Mean color difference of this page: delta E* = 15.7

TUB-test chart QE28; hue code: H*e=R75Ye colors and differences, ΔE* input: rgb/cmyk -> rgbe output: transfer to cmy0e

Table with 30 columns: n, H1C*Fe, rpb*Fe, icr*Fe, Hs*Fe, rpb*Fe, LabCH*Fe, LabCH*Fe, rpb*Fe, rpb*Fe, LabCH*Fe, LabCH*Fe, rpb*Fe, rpb*Fe, LabCH*Fe, LabCH*Fe, rpb*Fe, rpb*Fe, LabCH*Fe, LabCH*Fe, rpb*Fe, rpb*Fe, LabCH*Fe, LabCH*Fe, rpb*Fe, rpb*Fe, LabCH*Fe, LabCH*Fe, rpb*Fe, rpb*Fe. Rows include color names like NV_100, G50B_100, etc.

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

TUB-test chart QE28; hue code: H*e=R75Ye colors and differences, ΔE*

Mean color difference of this page: ΔE* = 9.5

http://130.149.60.45/~farbmetrik/QE28/QE28LONA.TXT /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 30/33

Table with columns: n, HHC*Fe, rpb*Fe, icr*Fe, Hs*Fe, rpb*Fe, LabCh*Fe, LabCh*Fe, rpb*Fe, LabCh*Fe, DF*Fe, Hs*Fe, rpb*Fe, LabCh*Fe. Rows include color names like NV, BOOR, YOCG, etc.

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

TUB-test chart QE28; hue code: H*e=R75Ye colors and differences, ΔE*

1-1032931-F0

http://130.149.60.45/~farbmetrik/QE28/QE28LONA.TXT /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 31/33

Table with 14 columns: n, H#C*Fe, H#M, H#S, Fe, Fe, Fe, Fe, Fe, Fe, Fe, Fe, Fe, Fe. Rows include color names like NW_100k, B50R_100, etc.

TUB-test chart QE28; hue code: H*_e=R75Y_e colors and differences, ΔE*_e input: rgb/cmyk -> rgbe output: transfer to cmy0_e

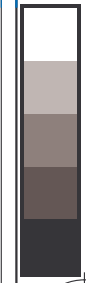
http://130.149.60.45/~farbmetrik/QE28/QE28L0NA.TXT /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 32/33

Table with 15 columns: n, H* C* M*, r* g* b*, i* e* r*, i* n* s_ F_ e, r* g* b*_ F_ e, L* a* b*_ C* H*_ F_ e, L* a* b*_ C* H*_ F_ e, D* F_ e*_ F_ e, H* a* M*_ e, r* g* b*_ M*_ e, L* a* b*_ C* H*_ F_ e, and Lab C M Y e. It contains 152 rows of color calibration data.

Mean color difference of this page: delta E*94 = 9.2

TUB-test chart QE28; hue code: H*_e=R75Y_e colors and differences, ΔE*_* input: rgb/cmyk -> rgbe output: transfer to cmy0_e

http://130.149.60.45/~farbmetrik/QE28/QE28L0NA.TXT /.PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 33/33



n	HC*Fe	rgb*Fe	ict*Fe	hsa*Fe	rgb*Fe	LabCh*Fe	LabCh*Fe	DF*Fe	rgb*Me	rgb*Me	LabCh*Me
1053	NW_086e	0.866	0.866	0.866	0.866	0.866	0.866	3.7	69.9	3.7	360
1054	NW_093e	0.933	0.933	0.933	0.933	0.933	0.933	1.5	71.6	1.5	360
1055	NW_100e	1.0	1.0	1.0	1.0	1.0	1.0	0.1	114.3	0.1	360
1056	NW_100e	0.0	0.0	0.0	0.0	0.0	0.0	1.1	308.5	1.1	360
1057	NW_100e	0.066	0.066	0.066	0.066	0.066	0.066	6.5	6.7	6.5	360
1058	NW_013e	0.133	0.133	0.133	0.133	0.133	0.133	9.0	22.4	10.6	360
1059	NW_026e	0.266	0.266	0.266	0.266	0.266	0.266	11.8	30.4	13.3	360
1060	NW_033e	0.333	0.333	0.333	0.333	0.333	0.333	14.0	44.7	14.0	360
1061	NW_040e	0.4	0.4	0.4	0.4	0.4	0.4	15.5	36.0	15.5	360
1062	NW_046e	0.466	0.466	0.466	0.466	0.466	0.466	14.7	49.7	14.7	360
1063	NW_053e	0.533	0.533	0.533	0.533	0.533	0.533	11.8	51.6	11.8	360
1064	NW_060e	0.6	0.6	0.6	0.6	0.6	0.6	8.3	57.5	8.3	360
1065	NW_066e	0.666	0.666	0.666	0.666	0.666	0.666	5.9	62.0	5.9	360
1066	NW_073e	0.734	0.734	0.734	0.734	0.734	0.734	3.6	69.4	3.6	360
1067	NW_080e	0.8	0.8	0.8	0.8	0.8	0.8	2.7	71.7	2.7	360
1068	NW_086e	0.866	0.866	0.866	0.866	0.866	0.866	0.0	118.4	0.1	360
1069	NW_093e	0.933	0.933	0.933	0.933	0.933	0.933	2.9	299.2	2.9	360
1070	NW_100e	1.0	1.0	1.0	1.0	1.0	1.0	0.0	138.7	0.0	360
1071	NW_100e	0.0	0.0	0.0	0.0	0.0	0.0	11.2	32.8	11.2	375
1072	NW_100e	0.0	0.0	0.0	0.0	0.0	0.0	8.8	238.9	8.8	195
1073	ROY_100_100e	1.0	1.0	1.0	1.0	1.0	1.0	36.0	36.0	36.0	195
1074	ROY_100_100e	0.0	0.0	0.0	0.0	0.0	0.0	95.7	96.0	95.7	85
1075	GY0B_100_100e	0.0	0.0	0.0	0.0	0.0	0.0	32.5	306.6	32.5	242
1076	Y00G_100_100e	0.0	0.0	0.0	0.0	0.0	0.0	44.2	149.2	44.2	194
1077	B00C_100_100e	0.0	0.0	0.0	0.0	0.0	0.0	71.2	159.8	71.2	159.8
1078	B00C_100_100e	0.0	0.0	0.0	0.0	0.0	0.0	45.2	45.2	45.2	288
1079	B50R_100_100e	1.0	0.0	1.0	1.0	31.1	47.7	79.2	0.0	0.0	0.0

Mean color difference of this page: delta E* = 10.3

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

TUB-test chart QE28; hue code: H*e=R75Ye colors and differences, ΔE*'

