

http://130.149.60.45/~farbmatrik/PE98/PE98L0FA.TXT /.PS; start output
F: 3D-linearization PE98/PE98LE30FA.DAT in file (F), page 1/33

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 31/360 = 0.08$

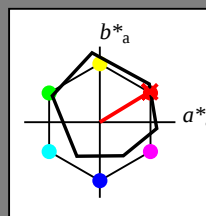
Data for any device (d) or elementary (e) colour:

HIC^*_-

hue text for the colours of this page:

$H^*_-=R00Y_-$

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):

$LabCh^*_{-,Ma}$: 48 66 40 77 31

$HIC^*_{-,Ma}$: R00Y_100_100_

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

1.0 0.0 0.0 1.0 1.0

triangle lightness T^*

% Gamut

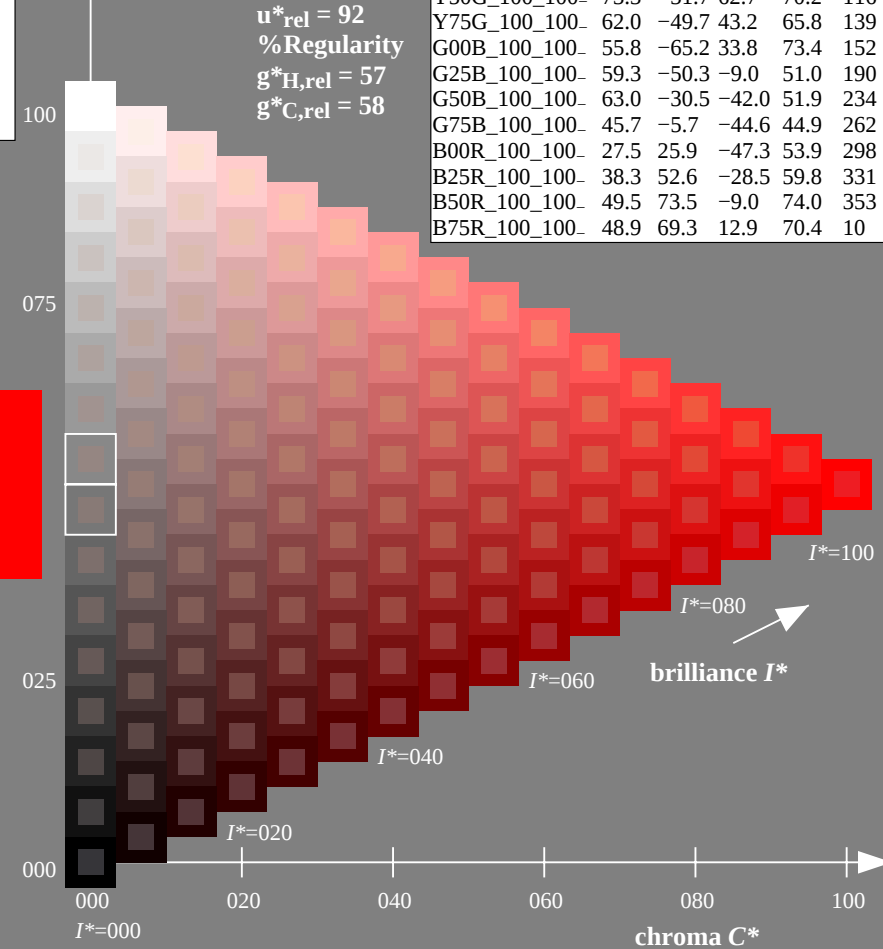
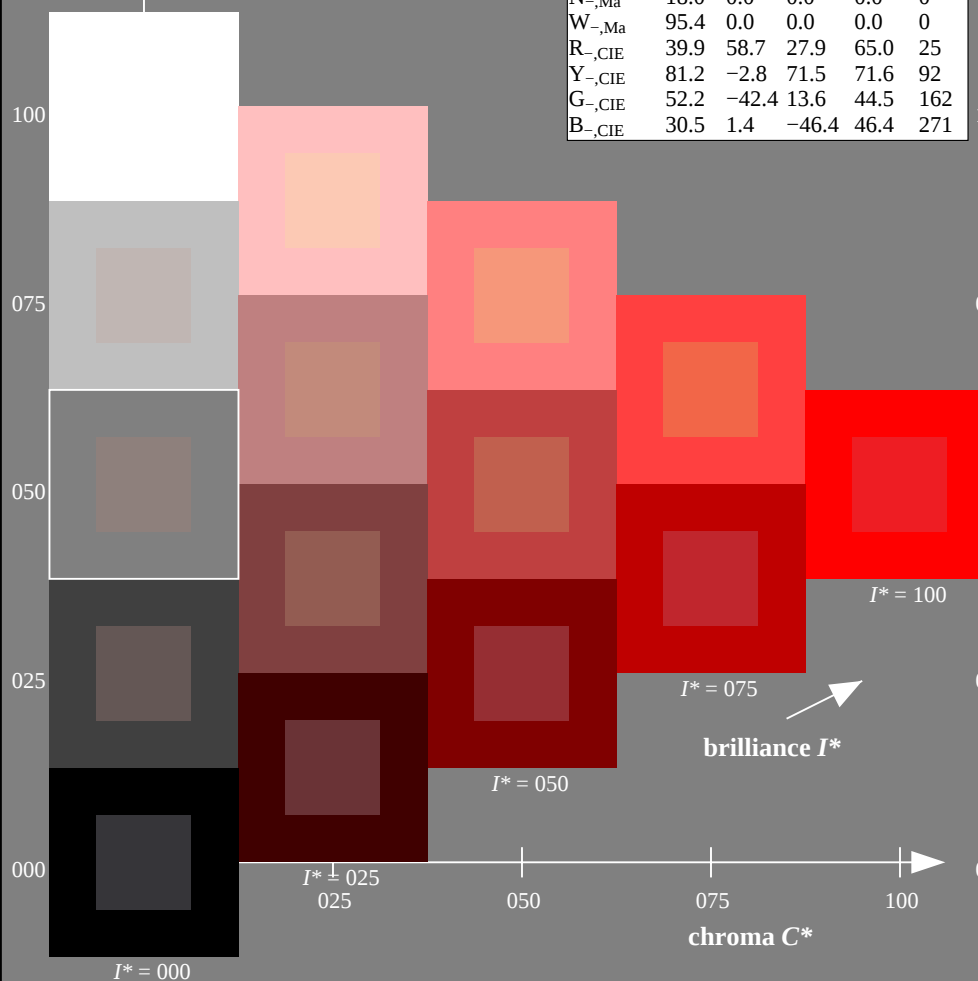
$u^*_{rel} = 92$

% Regularity

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

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

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



1-113031-L0 PE980-7N

TUB-test chart PE98; hue code: $H^*_-=R00Y_-$
Test chart according to DIN 33872, 3D=1, de=1, $cmY0^*$

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

TUB registration: 20150701-PE98/PE98L0FA.TXT /.PS
application for measurement of offset print output

TUB material: code=rha4ta

http://130.149.60.45/~farbmatrik/PE98/PE98L0FA.TXT /.PS; 3D-linearization
F: 3D-linearization PE98/PE98LE30FA.DAT in file (F), page 2/33

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 25/360 = 0.07$

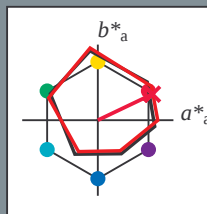
Data for any device (d) or elementary (e) colour:

HIC^*_e

hue text for the colours
of this page:

$H^*_e = R00Y_e$

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):

$LabCh^*_{e,Ma}$: 45 72 34 80 25

$HIC^*_{e,Ma}$: R00Y_100_100_e

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

1.0 0.0 0.25 1.0 1.0

triangle lightness T^*

% Gamut

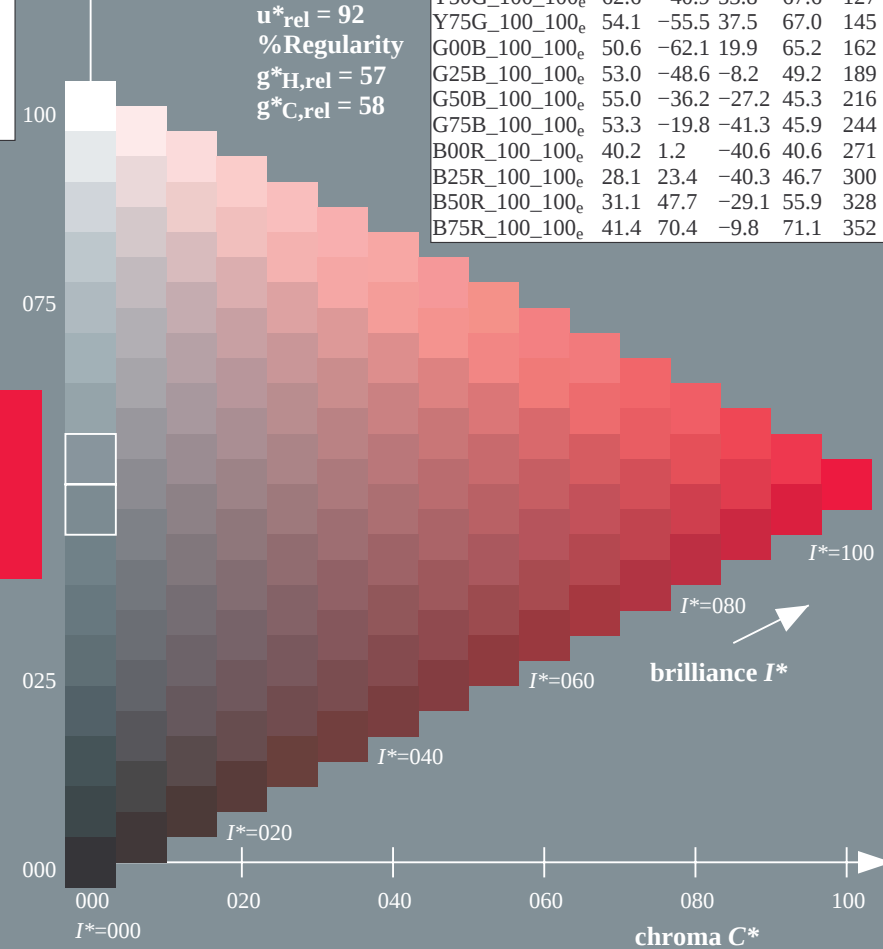
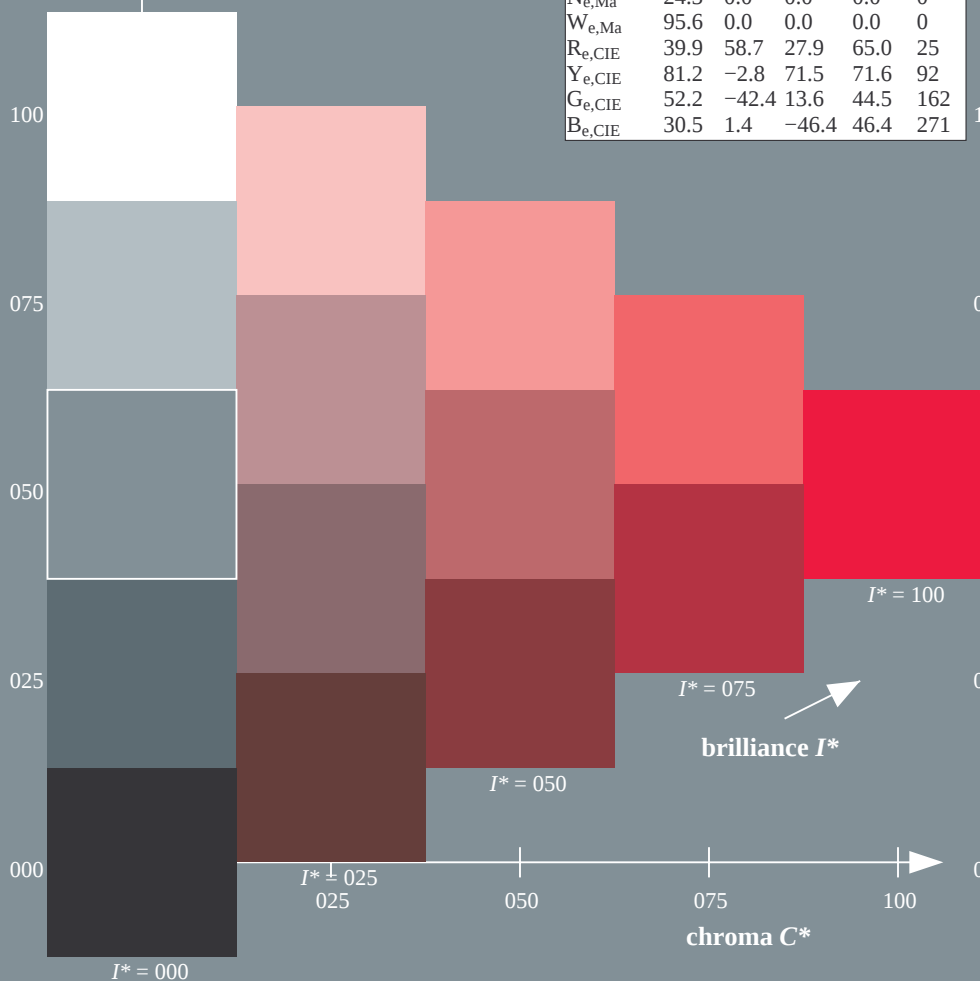
$u^*_{rel} = 92$

% 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



1-113131-L0 PE980-73

TUB-test chart PE98; hue code: $H^*_e=R00Y_e$
Test chart according to DIN 33872, 3D=1, $de=1$, $cmY0^*$

input: $rgb/cmyk \rightarrow rgb_{de}$
output: 3D-linearization to $cmY0^*_{de}$

TUB registration: 20150701-PE98/PE98L0FA.TXT /.PS
application for measurement of offset print output, separation $cmY0^*$ (CMY0)

TUB material: code=rha4ta

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 25/360 = 0.07$

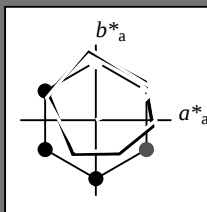
Data for any device (d) or elementary (e) colour:

HIC_e^*

hue text for the colours of this page:

$H_e^* = R00Y_e$

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):

$LabCh_{e,Ma}^*$: 45 72 34 80 25

$HIC_{e,Ma}^*$: R00Y_100_100_e

$rgbic_{e,Ma}^*$:

1.0 0.0 0.25 1.0 1.0

triangle lightness T^*

% Gamut

$u_{rel}^* = 92$

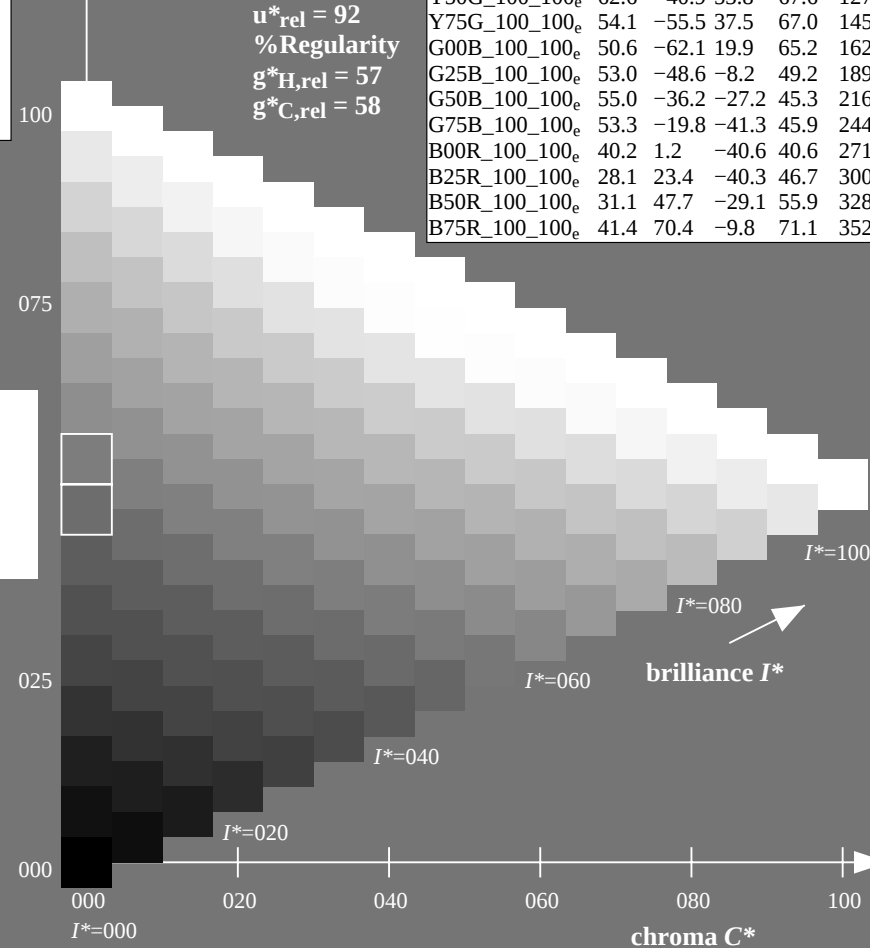
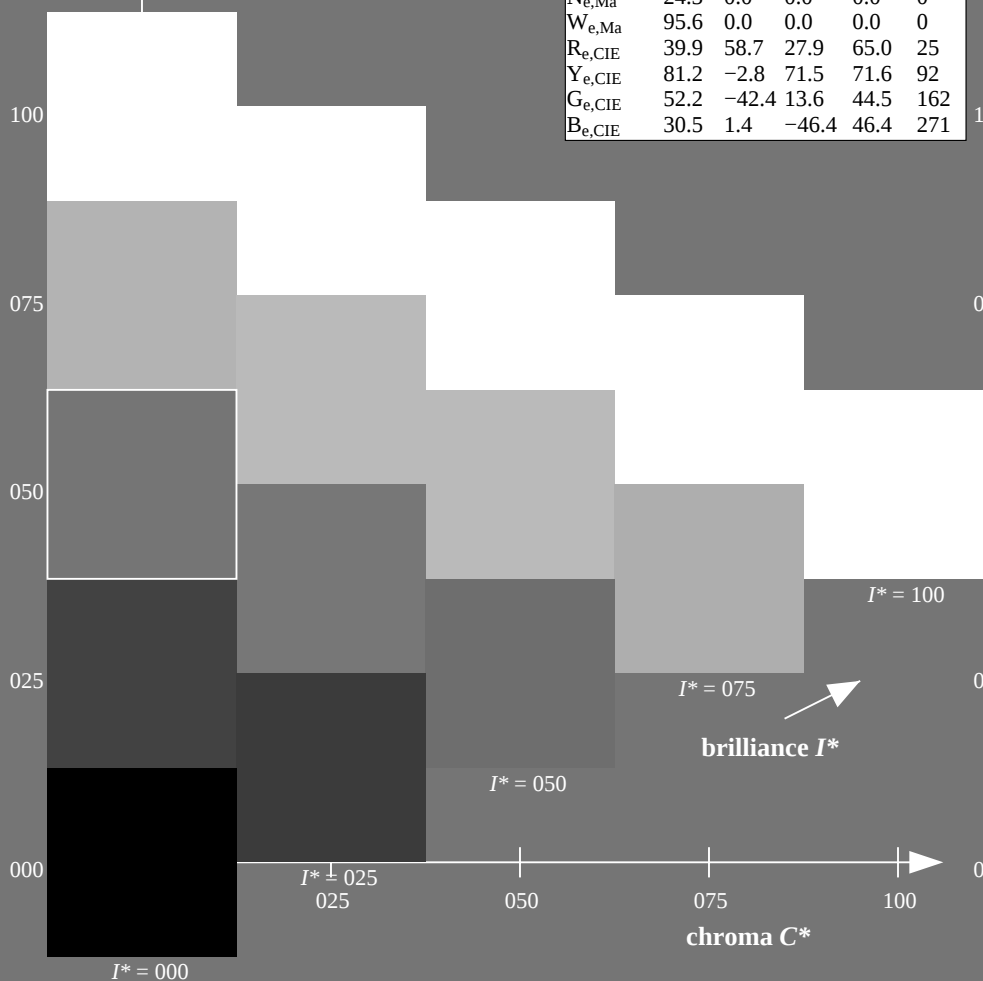
% Regularity

$g_{H,rel}^* = 57$

$g_{C,rel}^* = 58$

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



1-113231-L0 PE980-73

TUB-test chart PE98; hue code: $H_e^* = R00Y_e$

Test chart according to DIN 33872, 3D=1, de=1, $cmY0^*$

input: $rgb/cmyk \rightarrow rgb_{de}$

output: 3D-linearization to $cmY0^*_{de}$

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 25/360 = 0.07$

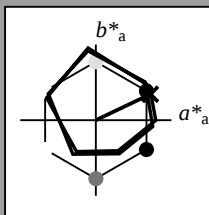
Data for any device (d) or elementary (e) colour:

HIC_e^*

hue text for the colours of this page:

$H_e^* = R00Y_e$

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):

$LabCh_{e,Ma}^*$: 45 72 34 80 25

$HIC_{e,Ma}^*$: R00Y_100_100_e

$rgbic_{e,Ma}^*$:

1.0 0.0 0.25 1.0 1.0

triangle lightness T^*

% Gamut

$u_{rel}^* = 92$

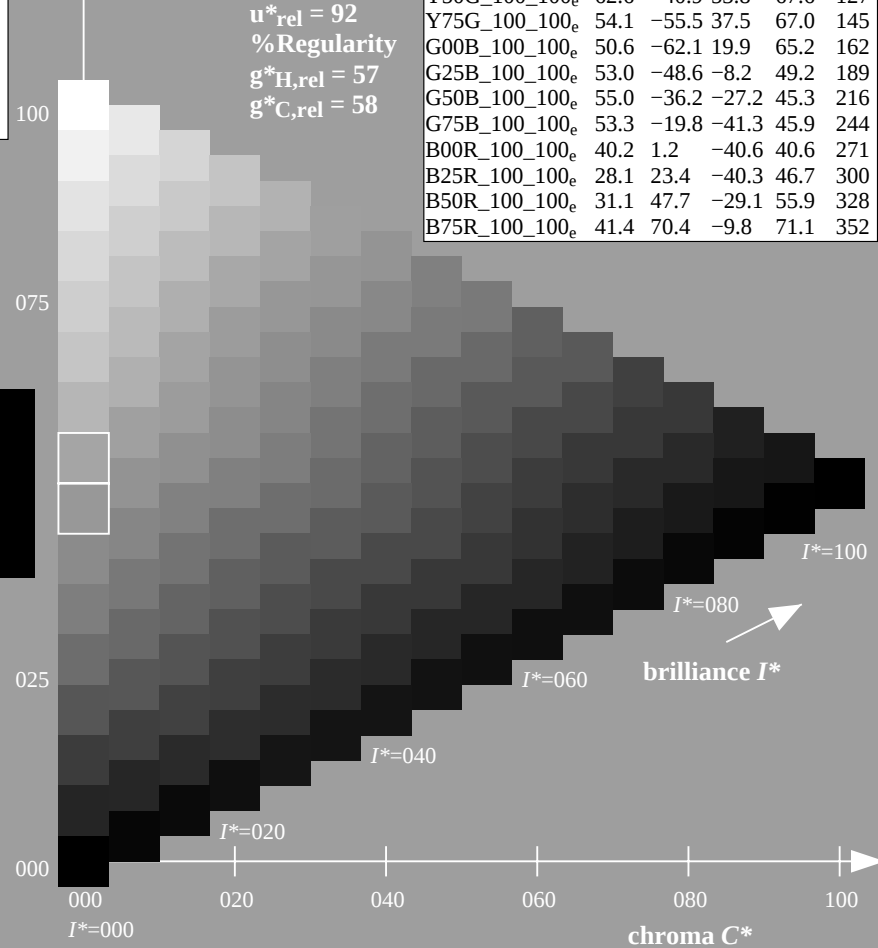
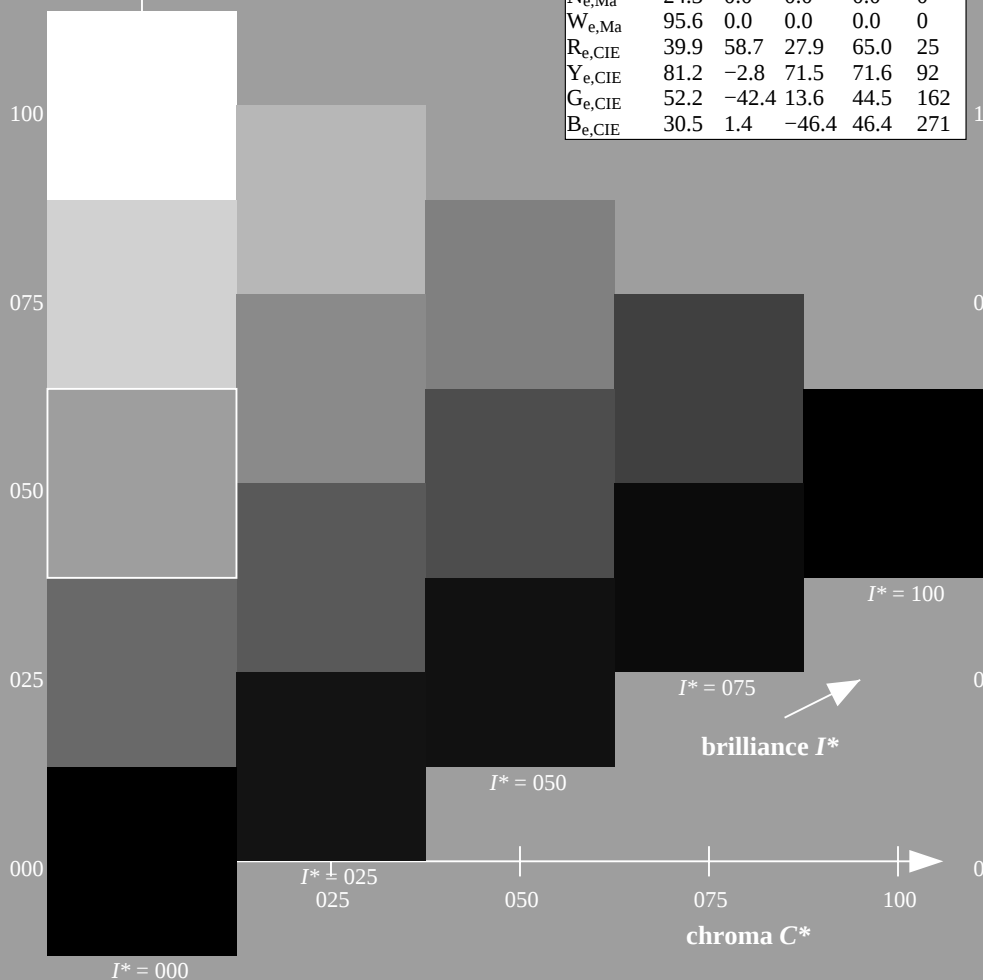
% Regularity

$g_{H,rel}^* = 57$

$g_{C,rel}^* = 58$

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



1-113331-L0 PE980-73

TUB-test chart PE98; hue code: $H_e^* = R00Y_e$

Test chart according to DIN 33872, 3D=1, de=1, $cmY0^*$

input: $rgb/cmyk \rightarrow rgb_{de}$

output: 3D-linearization to $cmY0_{de}^*$

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 25/360 = 0.07$

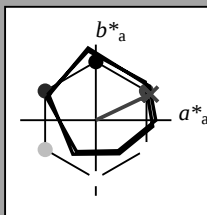
Data for any device (d) or elementary (e) colour:

HIC_e^*

hue text for the colours of this page:

$H_e^* = R00Y_e$

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):

$LabCh_{e,Ma}^*$: 45 72 34 80 25

$HIC_{e,Ma}^*$: R00Y_100_100_e

$rgbic_{e,Ma}^*$:

1.0 0.0 0.25 1.0 1.0

triangle lightness T^*

% Gamut

$u_{rel}^* = 92$

% Regularity

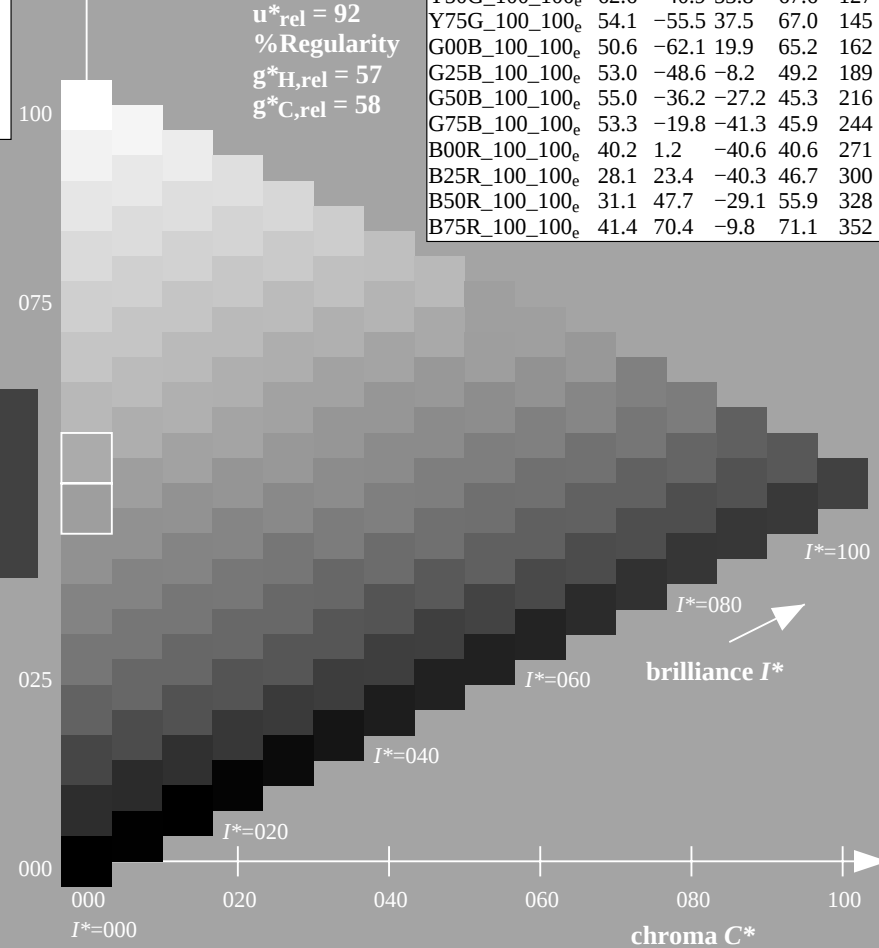
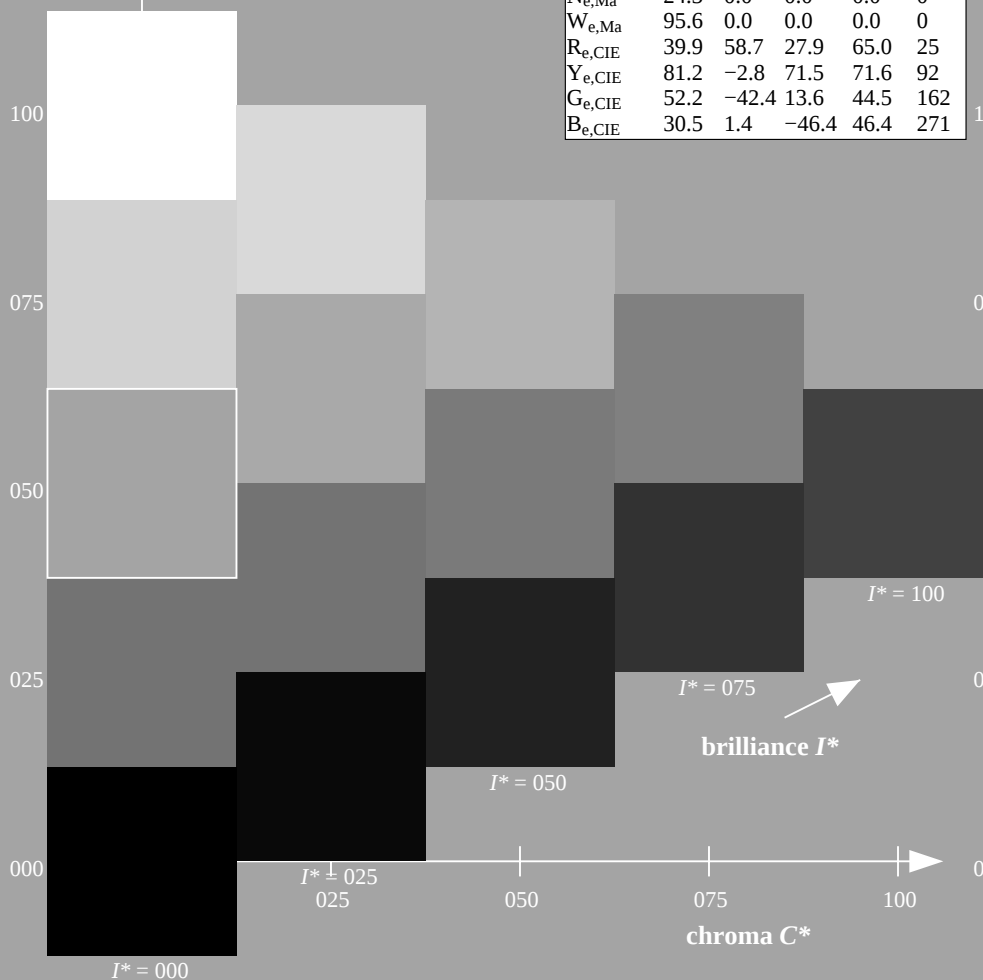
$g_{H,rel}^* = 57$

$g_{C,rel}^* = 58$

$H_e^* = R00Y_e$

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



1-113431-L0 PE980-73

TUB-test chart PE98; hue code: $H_e^* = R00Y_e$

Test chart according to DIN 33872, 3D=1, de=1, $cmY0^*$

input: $rgb/cmyk \rightarrow rgb_{de}$

output: 3D-linearization to $cmY0_{de}^*$

TUB registration: 20150701-PE98/PE98L0FA.TXT /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation $cmY0^*$ (CMY0)



<http://130.149.60.45/~farbmetrik/PE98/PE98L0FA.TXT> /.PS; 3D-linearization
F: 3D-linearization PE98/PE98LE30FA.DAT in file (F), page 6/33

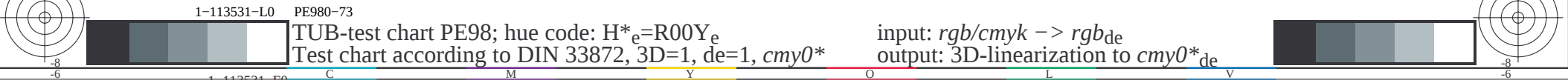
see similar files: <http://130.149.60.45/~farbmetrik/PE98/PE98.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>



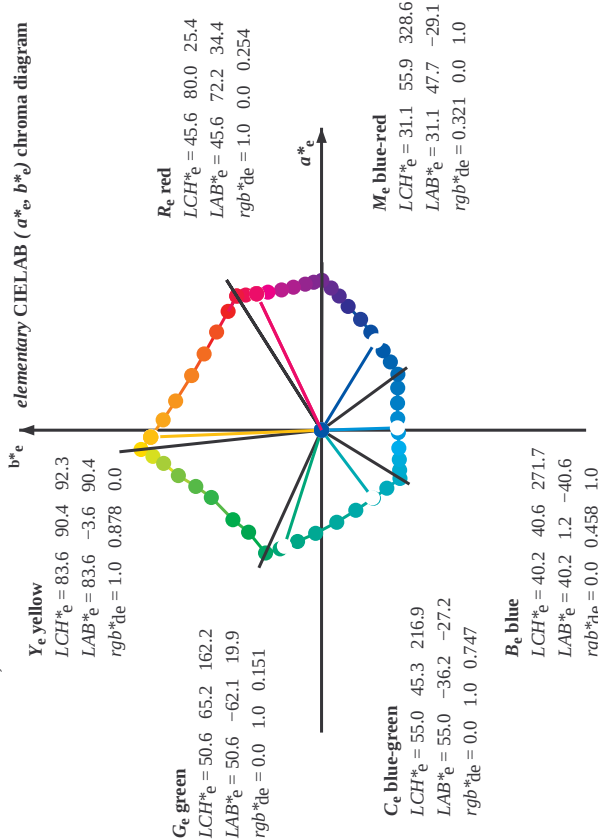
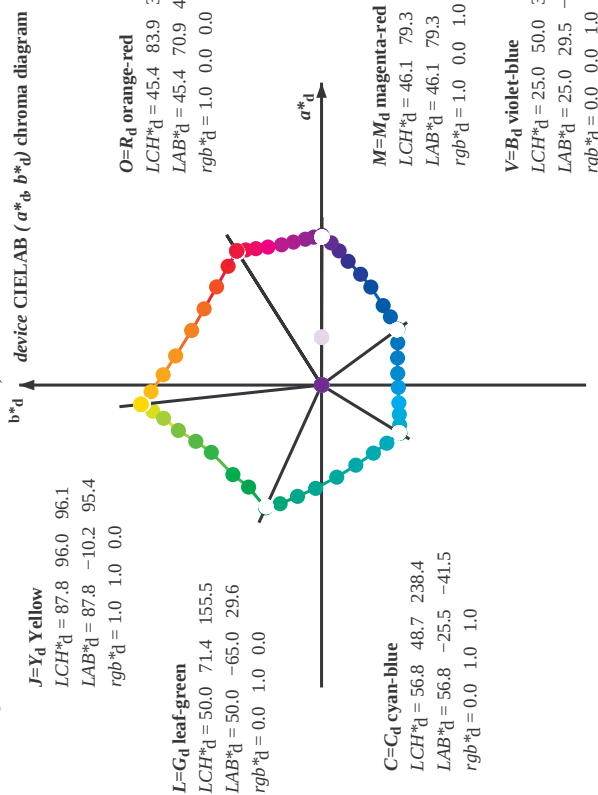
1-113531-L0 PE980-73

TUB-test chart PE98; hue code: $H^*_e=R00Y_e$
Test chart according to DIN 33872, 3D=1, $de=1$, $cmY0^*$

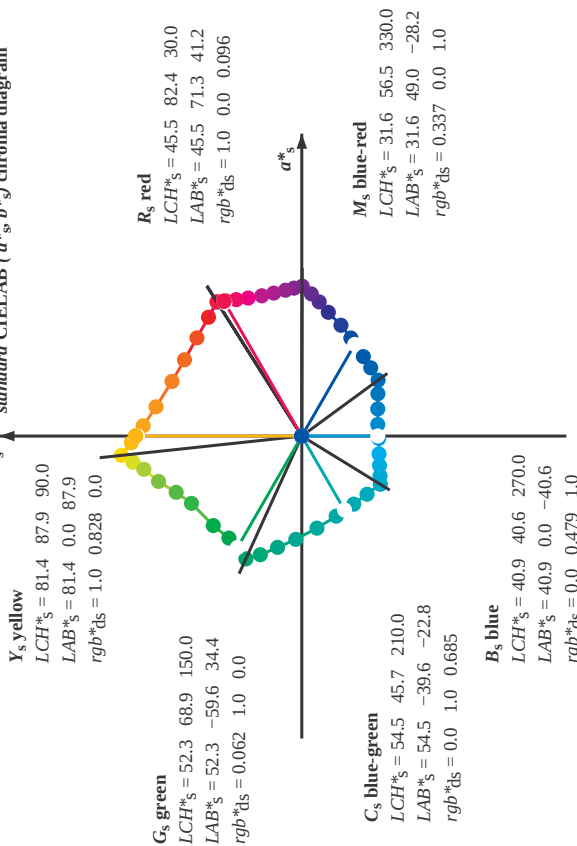
input: $rgb/cmyk \rightarrow rgb_{de}$
output: 3D-linearization to $cmY0^*_{de}$



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



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



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

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:
$$h_{ab,s} = \arctan \left[\frac{r^* \cos(30) + g^* \sin(30)}{1 - r^* \sin(30) + g^* \sin(150) + b^* \sin(270)} \right] \quad (1)$$
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:
$$h_{48ab,si,j} = h_{ab,si} + j \left[\frac{h_{ab,si+1} - h_{ab,si}}{18} \right] \quad (i=0,1,\dots,5; j=0,1,\dots,7) \quad (2)$$
$$h_{360ab,sij} = h_{ab,si} + j \left[\frac{h_{ab,si+1} - h_{ab,si}}{60} \right] \quad (i=0,1,\dots,5; j=0,1,\dots,59) \quad (3)$$
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:
$$h_{48ab,eij} = h_{ab,ei} + j \left[\frac{h_{ab,ei+1} - h_{ab,ei}}{18} \right] \quad (i=0,1,\dots,5; j=0,1,\dots,7) \quad (4)$$
$$h_{360ab,eij} = h_{ab,ei} + j \left[\frac{h_{ab,ei+1} - h_{ab,ei}}{60} \right] \quad (i=0,1,\dots,5; j=0,1,\dots,59) \quad (5)$$
5. For any elementary hue angle h_{ab} there is a well defined device hue angle h_{ab} 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

1-113631-L0 PE980-73 LAB*la0, YN=0%, XY Znw=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB*lw=24.4, 0.0, 0.0, 95.6, 0.0, 0.0

TUB-test chart PE98; hue code: H*_e=R00Y_e
48 step hue circles; $rgb-LabCh$ -tables

input: $rgb/cmyk \rightarrow rgbde$
output: 3D-linearization to $cmy0^*de$

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

TUB registration: 20150701-PE98/PE98L0FA.TXT /PS
application for measurement of offset print output, separation cmy0* (CMY0)

TUB material: code=rha4ta

Six hue angles of the device colours RYGBM; $h_{ab,d}$ = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;
Six hue angles of the elementary colours RYGBM; $h_{ab,e}$ = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

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; $h_{ab,d}$ = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the elementary colours RYGBM; $h_{ab,e}$ = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6			LAB* d64M (x=LabCh)			rgb* dex361M			LAB* dex361M			rgb* d64M		
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$
32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3	32.3	30.0	25.4
38.1	37.5	33.8	1.0	0.125	0.0	48.9	62.8	49.4	79.9	38.1	38.1	38.1	37.5	33.8
46.8	45.0	42.1	1.0	0.25	0.0	51.9	55.5	55.5	76.0	46.8	46.8	46.8	45.0	42.1
56.9	52.5	50.5	1.0	0.375	0.0	59.1	40.3	62.0	74.0	56.9	56.9	56.9	52.5	50.5
67.1	60.0	58.8	1.0	0.5	0.0	64.9	28.9	68.6	74.5	67.1	67.1	67.1	60.0	58.8
78.6	67.5	67.2	1.0	0.625	0.0	72.1	15.4	77.1	78.6	78.6	78.6	78.6	67.5	67.2
86.2	75.0	75.6	1.0	0.75	0.0	77.9	5.4	83.8	84.0	86.2	86.2	86.2	75.0	75.6
92.1	82.5	83.9	1.0	0.875	0.0	83.4	-3.4	90.2	90.2	92.1	92.1	92.1	82.5	83.9
96.1	90.0	92.3	1.0	1.0	0.0	87.8	-10.2	95.4	96.0	96.1	96.1	96.1	90.0	92.3
98.8	97.5	101.0	1.0	0.875	1.0	84.3	-13.9	89.2	90.3	98.8	98.8	98.8	97.5	101.0
101.8	105.0	109.7	0.75	1.0	0.0	80.7	-17.5	83.5	85.3	101.8	101.8	101.8	105.0	109.7
107.6	112.5	118.5	0.625	1.0	0.0	75.3	-24.0	75.7	79.4	107.6	107.6	107.6	112.5	118.5
114.0	120.0	127.2	0.5	1.0	0.0	70.6	-29.7	66.5	72.8	114.0	114.0	114.0	120.0	127.2
121.4	127.5	136.0	0.375	1.0	0.0	65.7	-35.6	58.3	68.3	121.4	121.4	121.4	127.5	136.0
135.3	135.0	144.7	0.25	1.0	0.0	58.4	-47.3	46.8	66.6	135.3	135.3	135.3	135.0	144.7
144.4	142.5	153.4	0.125	1.0	0.0	54.7	-53.9	38.5	66.3	144.4	144.4	144.4	142.5	153.4
155.5	150.0	162.2	0.0	1.0	0.0	50.0	-65.0	29.6	71.4	155.5	155.5	155.5	150.0	162.2
160.7	157.5	169.0	0.0	1.0	0.125	50.5	-62.8	21.9	66.5	160.7	160.7	160.7	157.5	169.0
167.7	165.0	175.9	0.0	1.0	0.25	51.2	-58.9	12.7	60.3	167.7	167.7	167.7	165.0	175.9
176.7	172.5	182.7	0.0	1.0	0.375	52.0	-54.5	3.1	54.6	176.7	176.7	176.7	172.5	182.7
189.3	180.0	189.6	0.0	1.0	0.5	52.9	-48.6	-8.0	49.3	189.3	189.3	189.3	180.0	189.6
203.2	187.5	196.4	0.0	1.0	0.625	54.0	-42.3	-18.1	46.1	203.2	203.2	203.2	187.5	196.4
217.2	195.0	203.2	0.0	1.0	0.75	55.0	-36.0	-27.4	45.3	217.2	217.2	217.2	195.0	203.2
228.3	202.5	210.1	0.0	1.0	0.875	55.8	-30.7	-34.5	46.2	228.3	228.3	228.3	202.5	210.1
238.4	210.0	216.9	0.0	1.0	1.0	56.8	-25.5	-41.5	48.7	238.4	238.4	238.4	210.0	216.9
242.9	217.5	223.8	0.0	0.875	1.0	54.1	-21.1	-41.3	46.4	242.9	242.9	242.9	217.5	223.8
249.3	225.0	230.6	0.0	0.75	1.0	50.4	-15.5	-41.1	43.9	249.3	249.3	249.3	225.0	230.6
256.9	232.5	237.5	0.0	0.625	1.0	46.5	-9.4	-40.8	41.9	256.9	256.9	256.9	232.5	237.5
268.2	240.0	244.3	0.0	0.5	1.0	41.7	-1.2	-40.6	40.6	268.2	268.2	268.2	240.0	244.3
278.6	247.5	251.2	0.0	0.375	1.0	37.3	6.1	-40.2	40.7	278.6	278.6	278.6	247.5	251.2
289.6	255.0	258.0	0.0	0.25	1.0	32.8	14.3	-40.2	42.7	289.6	289.6	289.6	255.0	258.0
299.0	262.5	264.8	0.0	0.125	1.0	28.6	22.4	-40.2	46.1	299.0	299.0	299.0	262.5	264.8
306.2	270.0	271.7	0.0	0.0	1.0	25.9	29.5	-40.4	50.0	306.2	306.2	306.2	270.0	271.7
314.7	277.5	278.8	0.125	0.0	1.0	27.9	36.0	-36.4	51.2	314.7	314.7	314.7	277.5	278.8
322.1	285.0	285.9	0.25	0.0	1.0	28.8	41.9	-32.5	53.1	322.1	322.1	322.1	285.0	285.9
333.3	292.5	293.0	0.375	0.0	1.0	32.7	51.8	-26.0	58.0	333.3	333.3	333.3	292.5	293.0
340.5	300.0	300.1	0.5	0.0	1.0	35.6	58.6	-20.7	62.1	340.5	340.5	340.5	300.0	300.1
347.9	307.5	307.2	0.625	0.0	1.0	38.1	65.4	-14.0	66.9	347.9	347.9	347.9	307.5	307.2
352.5	315.0	314.3	0.75	0.0	1.0	41.8	71.0	-9.2	71.6	352.5	352.5	352.5	315.0	314.3
356.1	322.5	321.4	0.875	0.0	1.0	44.2	75.2	-5.0	75.3	356.1	356.1	356.1	322.5	321.4
359.8	330.0	328.6	1.0	0.0	1.0	46.1	79.3	-0.2	79.3	359.8	359.8	359.8	330.0	328.6
363.0	337.5	335.7	1.0	0.0	0.875	45.9	78.2	4.1	78.3	363.0	363.0	363.0	337.5	335.7
366.4	345.0	342.8	1.0	0.0	0.75	45.9	77.1	8.6	77.6	366.4	366.4	366.4	345.0	342.8
371.1	352.5	349.9	1.0	0.0	0.625	46.0	75.6	14.8	77.0	371.1	371.1	371.1	352.5	349.9
381.2	367.5	364.1	1.0	0.0	0.5	45.9	74.2	21.1	77.1	381.2	381.2	381.2	367.5	364.1
385.6	375.0	371.2	1.0	0.0	0.25	45.6	72.1	34.6	80.0	385.6	385.6	385.6	375.0	371.2
389.3	382.5	378.3	1.0	0.0	0.125	45.5	71.4	40.1	81.9	389.3	389.3	389.3	382.5	378.3
392.3	390.0	385.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	392.3	392.3	392.3	390.0	385.4

see similar files: <http://130.149.60.45/~farbmatrik/PE98/PE98L0FA.TXT> /PS; 3D-linearization
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

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

input: $rgb/cmyk \rightarrow rgbde$
output: 3D-linearization to $cmy0^*de$

<http://130.149.60.45/~farbmatrik/PE98/PE98L0FA.TXT> /PS; 3D-linearization F: 3D-linearization PE98/PE98LE30FA.DAT in file (F), page 13/33

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: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;

Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 32.3, 96.1, 1$
 $h_{ab,d}$ $h_{ab,s}$ $h_{ab,e}$ rgb^* $dd361M$ LAB^* $ddx361Mi$ ($x=LabCh$)

see similar files: <http://130.149.60.45/~farbmatrik/PE98/PE98.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

	α	ϵ
-1131231-I0 PF980-73	LAB* a0 YN=0% XYZ _{FW} =3.6 4.2 6.1 85.4 89.1 104.8 LAB* _{FW} =24.4 0.0 0.0 95.6 0.0 0.0	

TUB-test chart PE98; hue code: $H^*_e=R00Y_e$
48 step hue circles: *rab-LabCh**tables

input: $rgb/cmyk \rightarrow rgb_{de}$
output: 3D-linearization to $cmy0^*_{de}$

Output: Offset standard print: separation cmv0*. D65, page 13/83/

Output: Offset start

<http://130.149.60.45/~farbmatrik/PE98/PE98L0FA.TXT> /PS; 3D-linearization F: 3D-linearization PE98/PE98LE30FA.DAT in file (F), page 14/33

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; $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;

-see similar files: <http://130.149.60.45/~farbmetrik/PE98/PE98.HTM>
 -technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

	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 stand
PE980-73		
TTUB-test chart PE98; hue code: H _e *=R00Y _e 48 step hue circles; <i>rgb-LabCh</i> *tables input: <i>rgb/cmyk</i> -> <i>rgbde</i> output: 3D-linearization to <i>cmy0*</i> _{de}		

[illegible]

Output: Offset standard print: separation cmv0*, D65, page 14/33/

see similar files: <http://130.149.60.45/~farbmetrik/PE98/PE98.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

<http://130.149.60.45/~farbmatrik/PE98/PE98L0FA.TXT> /PS; 3D-linearization
F: 3D-linearization PE98/PE98LE30FA.DAT in file (F), page 15/33

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

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

[illegible]

1-1131431-I0	PF980-73	LAB*	a0.	YN=0%	XYZ _{FW} =3.6	4.2	6.1	85.4	89.1	104.8	LAB* _{FW} =24.4	0.0	0.0	95.6	0.0	0.0
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input: *rgb/cmyk* $\rightarrow$ *rgb*_{de}
output: 3D-linearization to *cmy0*_{de}

Output: Offset standard print: separation cmv0*. D65 page 15/83/

see similar files: <http://130.149.60.45/~farbmatrik/PE98/PE98.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

[illegible]

input: $rgb/cmyk \rightarrow rgb_{de}$
output: 3D-linearization to $cmv0^{*}_{de}$

Output: Offset start

Output: Offset start

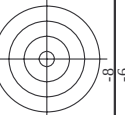
TUB material: code=rha4ta
my0* (CMY0)

see similar files: <http://130.149.60.45/~farbmetrik/PE98/PE98.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB-test chart PE98; hue code: $H_e^* = R00Y_e$
colors and differences. ΔE^*

input: $rgb/cmyk \rightarrow rgb_{de}$
output: 3D-linearization to $cmy0^{*}_{de}$

ID	Name	HIC ^{File}	rgb ^{File}	IC ^{File}	h ₃ ^{File}	rgb ^{Wide}	LabCh ^{Wide}	cmv1 ^{sepFile}	0.744	h ₃ ^{File}	rgb ^{Wide}	LabCh ^{Wide}	delta	
													cmv1 ^{sepFile}	0.744
06/548	R00Y_100_100de	1.0	0.0	1.0	0.5	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4	
16/57	R13Y_100_100de	1.0	0.125	0.0	1.0	1.0	0.0	0.02	46.0	69.6	45.6	83.2	33.2	
2/666	R25Y_100_100de	1.0	0.25	0.0	1.0	1.0	0.166	0.0	50.5	59.2	51.6	78.6	41.0	
3/675	R38Y_100_100de	1.0	0.375	0.0	1.0	1.0	0.288	0.0	55.3	48.4	57.7	75.4	49.9	
4/684	R50Y_100_100de	1.0	0.5	0.0	1.0	1.0	0.398	0.0	60.2	63.4	74.1	58.8	60.0	
6/683	R63Y_100_100de	1.0	0.625	0.0	1.0	1.0	0.506	0.0	65.3	38.2	69.2	74.7	67.8	
7/670	R75Y_100_100de	1.0	0.75	0.0	1.0	1.0	0.604	0.0	70.9	17.9	75.9	77.9	76.7	
7/771	R88Y_100_100de	1.0	0.875	0.0	1.0	1.0	0.721	0.0	76.6	7.9	82.4	82.8	84.5	
8/720	Y00G_100_100de	1.0	1.0	0.0	1.0	1.0	0.878	0.0	83.6	0.0	90.4	90.4	92.3	
9/639	Y13G_100_100de	1.0	0.875	0.0	1.0	1.0	0.807	0.0	82.4	0.0	82.4	86.2	87.6	
10/558	Y25G_100_100de	1.0	0.75	0.0	1.0	1.0	0.605	0.0	74.5	0.0	74.5	78.2	78.4	
11/477	Y38G_100_100de	1.0	0.625	0.0	1.0	1.0	0.434	0.0	68.0	0.0	68.0	72.2	70.4	
12/396	Y50G_100_100de	1.0	0.5	0.0	1.0	1.0	0.322	0.0	62.6	0.0	62.6	67.8	67.6	
13/315	Y63G_100_100de	1.0	0.375	0.0	1.0	1.0	0.232	0.0	57.8	0.0	57.8	63.4	62.2	
14/234	Y75G_100_100de	1.0	0.25	0.0	1.0	1.0	0.108	0.0	54.1	0.0	54.1	58.8	58.6	
15/515	Y88G_100_100de	1.0	0.125	0.0	1.0	1.0	0.016	0.0	50.6	0.0	50.6	54.1	53.5	
16/72	G00C_100_100de	0.0	1.0	0.0	1.0	0.5	0.0	0.151	50.6	0.0	151	50.6	162.2	
17/73	G13C_100_100de	0.0	1.0	0.125	1.0	1.0	0.0	0.261	51.3	0.0	261	51.3	59.7	
18/74	G25C_100_100de	0.0	1.0	0.25	1.0	1.0	0.0	0.35	51.8	0.0	35	51.8	55.7	
19/75	G38C_100_100de	0.0	1.0	0.375	1.0	1.0	0.0	0.43	52.4	0.0	43	52.4	52.2	
20/76	G50C_100_100de	0.0	1.0	0.5	1.0	1.0	0.0	0.502	53.0	0.0	502	53.0	48.6	
21/77	G63C_100_100de	0.0	1.0	0.625	1.0	1.0	0.0	0.568	53.5	0.0	568	53.5	45.5	
22/78	G75C_100_100de	0.0	1.0	0.75	1.0	1.0	0.0	0.633	54.1	0.0	633	54.1	42.0	
23/79	G88C_100_100de	0.0	1.0	0.875	1.0	1.0	0.0	0.69	54.5	0.0	69	54.5	39.3	
24/80	C00B_100_100de	0.0	1.0	1.0	1.0	0.5	0.0	0.747	55.0	0.0	747	55.0	36.2	
25/71	C13B_100_100de	0.0	0.875	1.0	1.0	1.0	0.0	0.818	55.5	0.0	818	55.5	33.2	
26/62	C25B_100_100de	0.0	0.75	1.0	1.0	1.0	0.0	0.882	56.0	0.0	882	56.0	30.0	
27/53	C38B_100_100de	0.0	0.625	1.0	1.0	1.0	0.0	0.962	56.6	0.0	962	56.6	26.3	
28/44	C50B_100_100de	0.0	0.5	1.0	1.0	1.0	0.0	1.046	5					



TUB material: code=rha4ta
ny0* (CMY0)

input: $rgb/cmyk \rightarrow rgb_{de}$
 output: $3D\text{-linearization to } cmy0^*_{de}$





TUB material: code=rha4ta
my0* (CMY0)

input: $rgb/cmyk \rightarrow rgb_{de}$
output: $3D\text{-linearization to } cmy0^*_{de}$

1-1132031-F0	PE980-7N, Page 21/33-F	
	TUB-test chart PE98; hue code: $H^*_e=R00Y_e$ colors and differences, $\Delta E'^*$	input: $rgb/cmyk -> rgb_{de}$ output: 3D-linearization to $cmy0^*_{de}$ 

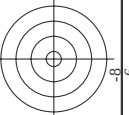


TUB material: code=rha4ta
ny0* (CMY0)

input: $rgb/cmyk \rightarrow rgb_{de}$
output: 3D-linearization to $cmy0^*_{de}$

output: 3D-linearization to $cmy0^*$ de

Mean color difference of this range:



TUB material: code=rha4ta
ny0* (CMY0)

input: $rgb/cmyk \rightarrow rgb_{de}$
output: 3D-linearization to $cmy0^*_{de}$

1-1132231-F0

input: *rgb/cmyk* $\rightarrow$ *rgbde*
output: 3D-linearization to



TUB material: code=rha4ta
ny0* (CMY0)

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

[illegible]



TUB material: code=rha4ta
ny0* (CMY0)

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

TTUB-test chart PE98; hue code: $H_e^* = R00Y_e$
colors and differences, ΔE^*

PF980-7N Page 30/33-F

-1132931-E0

 $\subset$

ID	HIC*Fide	rgb_Fide	fcr_Fide	hsa_Fide	rgb*Fide	LabCh*Fide	cmv*sep_Fide	hsa_Mde	rgb_Mde	LabCh_Mde	delta
810	NW_100de	1.0	1.0	1.0	0.0	1.0	0.0	360	1.0	1.0	0.0
811	BOOR_101de	0.875	0.875	1.0	0.125	0.937	0.0	242	0.0	0.0	0.0
812	BOOR_102de	0.75	1.0	0.0	0.25	0.875	0.0	242	0.0	0.0	0.0
813	BOOR_103de	0.625	0.625	1.0	0.375	0.812	0.0	242	0.0	0.0	0.0
814	BOOR_104de	0.5	0.5	1.0	0.5	0.75	0.0	242	0.0	0.0	0.0
815	BOOR_105de	0.375	0.375	1.0	0.625	0.687	0.0	242	0.0	0.0	0.0
816	BOOR_106de	0.25	0.25	1.0	0.75	0.625	0.0	242	0.0	0.0	0.0
817	BOOR_107de	0.125	0.125	1.0	0.875	0.562	0.0	242	0.0	0.0	0.0
818	BOOR_100de	0.0	0.0	1.0	1.0	0.5	0.0	242	0.0	0.0	0.0
819	BOOR_101de	1.0	1.0	0.0	0.125	0.937	0.0	83	1.0	0.0	0.0
820	NW_087de	0.875	0.875	0.0	0.875	0.875	0.0	360	1.0	1.0	0.0
821	BOOR_087_012de	0.75	0.75	0.0	0.75	0.807	0.0	242	0.0	0.0	0.0
822	BOOR_087_025de	0.625	0.625	0.0	0.625	0.739	0.0	242	0.0	0.0	0.0
823	BOOR_087_037de	0.5	0.5	0.0	0.5	0.671	0.0	242	0.0	0.0	0.0
824	BOOR_087_050de	0.375	0.375	0.0	0.375	0.604	0.0	242	0.0	0.0	0.0
825	BOOR_087_062de	0.25	0.25	0.0	0.25	0.536	0.0	242	0.0	0.0	0.0
826	BOOR_087_075de	0.125	0.125	0.0	0.125	0.468	0.0	242	0.0	0.0	0.0
827	BOOR_087_087de	0.0	0.0	0.0	0.0	0.4	0.0	242	0.0	0.0	0.0
828	Y00C_100_025de	1.0	1.0	0.0	0.875	0.875	0.0	83	1.0	0.0	0.0
829	Y00C_087_012de	0.875	0.875	0.0	0.875	0.875	0.0	360	1.0	1.0	0.0
830	NW_075de	0.75	0.75	0.0	0.75	0.75	0.0	360	1.0	1.0	0.0
831	BOOR_075_012de	0.625	0.625	0.0	0.625	0.682	0.0	242	0.0	0.0	0.0
832	BOOR_075_025de	0.5	0.5	0.0	0.5	0.614	0.0	242	0.0	0.0	0.0
833	BOOR_075_037de	0.375	0.375	0.0	0.375	0.546	0.0	242	0.0	0.0	0.0
834	BOOR_075_050de	0.25	0.25	0.0	0.25	0.479	0.0	242	0.0	0.0	0.0
835	BOOR_075_062de	0.125	0.125	0.0	0.125	0.411	0.0	242	0.0	0.0	0.0
836	BOOR_075_075de	0.0	0.0	0.0	0.0	0.343	0.0	242	0.0	0.0	0.0
837	Y00C_100_037de	1.0	1.0	0.0	0.625	0.625	0.0	83	1.0	0.0	0.0
838	Y00C_087_025de	0.875	0.875	0.0	0.875	0.844	0.0	360	1.0	1.0	0.0
839	Y00C_075_012de	0.75	0.75	0.0	0.75	0.734	0.0	360	1.0	1.0	0.0
840	NW_062de	0.625	0.625	0.0	0.625	0.625	0.0	360	1.0	1.0	0.0
841	BOOR_062_012de	0.5	0.5	0.0	0.5	0.557	0.0	242	0.0	0.0	0.0
842	BOOR_062_025de	0.375	0.375	0.0	0.375	0.489	0.0	242	0.0	0.0	0.0
843	BOOR_062_037de	0.25	0.25	0.0	0.25	0.421	0.0	242	0.0	0.0	0.0
844	BOOR_062_050de	0.125	0.125	0.0	0.125	0.354	0.0	242	0.0	0.0	0.0
845	BOOR_062_062de										

n	HVC-File	rgb-File	Lab-File	rgb-File	Lab-File	cmyn*sep-File	delta	mean color difference of this page:
891	NW_100de	1.0	1.0	1.0	95.6	0.0	0.0	0.0
892	B50R_100.012de	0.875	1.0	0.875	1.0	0.0	0.0	0.0
893	B50R_100.025de	0.75	1.0	0.75	1.0	0.0	0.0	0.0
894	B50R_100.037de	0.625	1.0	0.625	1.0	0.0	0.0	0.0
895	B50R_100.050de	0.5	1.0	0.5	1.0	0.0	0.0	0.0
896	B50R_100.062de	0.375	1.0	0.375	1.0	0.0	0.0	0.0
897	B50R_100.075de	0.25	1.0	0.25	1.0	0.0	0.0	0.0
898	B50R_100.087de	0.125	1.0	0.125	1.0	0.0	0.0	0.0
899	B50R_100.100de	0.0	1.0	0.0	1.0	0.0	0.0	0.0
900	GOB_100.100de	0.875	1.0	0.875	1.0	0.0	0.0	0.0
901	NW_087de	0.875	0.875	0.875	0.875	0.0	0.0	0.0
902	B50R_087.012de	0.875	0.875	0.875	0.875	0.0	0.0	0.0
903	B50R_087.025de	0.875	0.875	0.875	0.875	0.0	0.0	0.0
904	B50R_087.037de	0.875	0.875	0.875	0.875	0.0	0.0	0.0
905	B50R_087.050de	0.875	0.875	0.875	0.875	0.0	0.0	0.0
906	B50R_087.062de	0.875	0.875	0.875	0.875	0.0	0.0	0.0
907	B50R_087.075de	0.875	0.875	0.875	0.875	0.0	0.0	0.0
908	B50R_087.087de	0.875	0.875	0.875	0.875	0.0	0.0	0.0
909	GOB_100.025de	0.75	1.0	0.75	1.0	0.0	0.0	0.0
910	GOB_100.050de	0.625	1.0	0.625	1.0	0.0	0.0	0.0
911	NW_075de	0.75	0.75	0.75	0.75	0.0	0.0	0.0
912	B50R_075.012de	0.75	0.75	0.75	0.75	0.0	0.0	0.0
913	B50R_075.025de	0.75	0.75	0.75	0.75	0.0	0.0	0.0
914	B50R_075.037de	0.75	0.75	0.75	0.75	0.0	0.0	0.0
915	B50R_075.050de	0.75	0.75	0.75	0.75	0.0	0.0	0.0
916	B50R_075.062de	0.75	0.75	0.75	0.75	0.0	0.0	0.0
917	B50R_075.075de	0.75	0.75	0.75	0.75	0.0	0.0	0.0
918	GOB_100.037de	0.625	1.0	0.625	1.0	0.0	0.0	0.0
919	GOB_100.050de	0.5	1.0	0.5	1.0	0.0	0.0	0.0
920	GOB_100.075de	0.375	1.0	0.375	1.0	0.0	0.0	0.0
921	NW_062de	0.625	0.625	0.625	0.625	0.0	0.0	0.0
922	B50R_062.012de	0.625	0.625	0.625	0.625	0.0	0.0	0.0
923	B50R_062.025de	0.625	0.625	0.625	0.625	0.0	0.0	0.0
924	B50R_062.037de	0.625	0.625	0.625	0.625	0.0	0.0	0.0
925	B50R_062.050de	0.625	0.625	0.625	0.625	0.0	0.0	0.0
926	B50R_062.062de	0.625	0.625	0.625	0.625	0.0	0.0	0.0
927	GOB_100.050de	0.5	1.0	0.5	1.0	0.0	0.0	0.0
928	GOB_087.037de	0.5	0.875	0.5	0.875	0.0	0.0	0.0
929	GOB_087.050de	0.5	0.875	0.5	0.875	0.0	0.0	0.0
930	GOB_087.062de	0.5	0.875	0.5	0.875	0.0	0.0	0.0
931	NW_050de	0.5	0.5	0.5	0.5	0.0	0.0	0.0
932	B50R_050.012de	0.5	0.5	0.5	0.5	0.0	0.0	0.0
933	B50R_050.025de	0.5	0.5	0.5	0.5	0.0	0.0	0.0
934	B50R_050.037de	0.5	0.5	0.5	0.5	0.0	0.0	0.0
935	B50R_050.050de	0.5	0.5	0.5	0.5	0.0	0.0	0.0
936	GOB_100.062de	0.375	1.0	0.375	1.0	0.0	0.0	0.0
937	GOB_087.050de	0.375	0.875	0.375	0.875	0.0	0.0	0.0
938	GOB_087.062de	0.375	0.875	0.375	0.875	0.0	0.0	0.0
939	GOB_087.075de	0.375	0.875	0.375	0.875	0.0	0.0	0.0
940	GOB_087.087de	0.375	0.875	0.375	0.875	0.0	0.0	0.0
941	NW_037de	0.375	0.375	0.375	0.375	0.0	0.0	0.0
942	B50R_037.012de	0.375	0.375	0.375	0.375	0.0	0.0	0.0
943	B50R_037.025de	0.375	0.375	0.375	0.375	0.0	0.0	0.0
944	B50R_037.037de	0.375	0.375	0.375	0.375	0.0	0.0	0.0
945	GOB_100.075de	0.25	1.0	0.25	1.0	0.0	0.0	0.0
946	GOB_087.062de	0.25	0.875	0.25	0.875	0.0	0.0	0.0
947	GOB_087.075de	0.25	0.875	0.25	0.875	0.0	0.0	0.0
948	GOB_087.087de	0.25	0.875	0.25	0.875	0.0	0.0	0.0
949	GOB_087.100de	0.25	0.875	0.25	0.875	0.0	0.0	0.0
950	GOB_087.112de	0.25	0.875	0.25	0.875	0.0	0.0	0.0
951	NW_025de	0.25	0.25	0.25	0.25	0.0	0.0	0.0
952	B50R_025.012de	0.25	0.25	0.25	0.25	0.0	0.0	0.0
953	B50R_025.025de	0.25	0.25	0.25	0.25	0.0	0.0	0.0
954	GOB_100.087de	0.125	1.0	0.125	1.0	0.0	0.0	0.0
955	GOB_087.075de	0.125	0.875	0.125	0.875	0.0	0.0	0.0
956	GOB_087.062de	0.125	0.875	0.125	0.875	0.0	0.0	0.0
957	GOB_087.050de	0.125	0.875	0.125	0.875	0.0	0.0	0.0
958	GOB_087.037de	0.125	0.875	0.125	0.875	0.0	0.0	0.0
959	GOB_087.025de	0.125	0.875	0.125	0.875	0.0	0.0	0.0
960	GOB_087.012de	0.125	0.875	0.125	0.875	0.0	0.0	0.0
961	NW_012de	0.125	0.125	0.125	0.125	0.0	0.0	0.0
962	B50R_012.012de	0.125	0.125	0.125	0.125	0.0	0.0	0.0
963	GOB_100.100de	0.0	1.0	0.0	1.0	0.0	0.0	0.0
964	GOB_087.087de	0.0	0.875	0.0	0.875	0.0	0.0	0.0
965	GOB_087.075de	0.0	0.875	0.0	0.875	0.0	0.0	0.0
966	GOB_087.062de	0.0	0.875	0.0	0.875	0.0	0.0	0.0
967	GOB_087.050de	0.0	0.875	0.0	0.875	0.0	0.0	0.0
968	GOB_087.037de	0.0	0.875	0.0	0.875	0.0	0.0	0.0
969	GOB_087.025de	0.0	0.875	0.0	0.875	0.0	0.0	0.0
970	GOB_087.012de	0.0	0.875	0.0	0.875	0.0	0.0	0.0
971	NW_000de	0.0	0.0	0.0	0.0	0.0	0.0	0.0

