

Entrée et sortie: Système Offset Reflective ORS18a pour la teinte CIELAB relative $h_{ab,a,rel} = h_{ab}/360 = 68/360 = 0.19$

Données de couleurs périphériques (d)

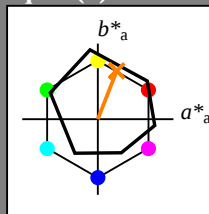
ou élémentaires (e):

HIC^*

code de teinte pour les couleurs de cette page:

$H^*_- = R50Y_-$

triangle de luminosité T^*



ORS18a; données CIELAB (a) adaptées

nom	$L^*=L^*_a a^*_a$	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{-,Ma}	47.9	65.3	50.5	82.6
Y _{-,Ma}	90.3	-10.2	91.7	92.3
G _{-,Ma}	50.9	-62.8	34.9	71.9
C _{-,Ma}	58.6	-30.3	-45.0	54.2
B _{-,Ma}	25.7	31.0	-44.4	54.2
M _{-,Ma}	48.1	75.2	-8.3	75.7
N _{-,Ma}	18.0	0.0	0.0	0
W _{-,Ma}	95.4	0.0	0.0	0
R _{-,CIE}	39.9	58.7	27.9	65.0
Y _{-,CIE}	81.2	-2.8	71.5	71.6
G _{-,CIE}	52.2	-42.4	13.6	44.5
B _{-,CIE}	30.5	1.4	-46.4	46.4

Les données de couleur maximale (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 de luminosité T^*

% Gamme

$u^*_{rel} = 92$

% Régularité

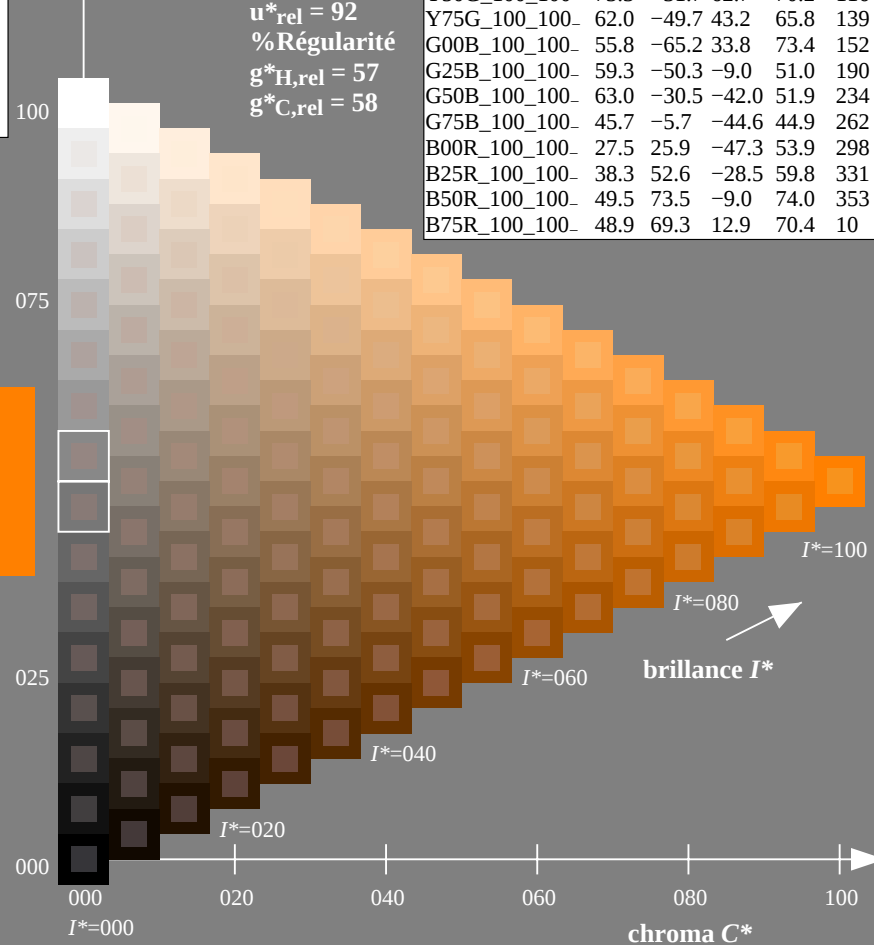
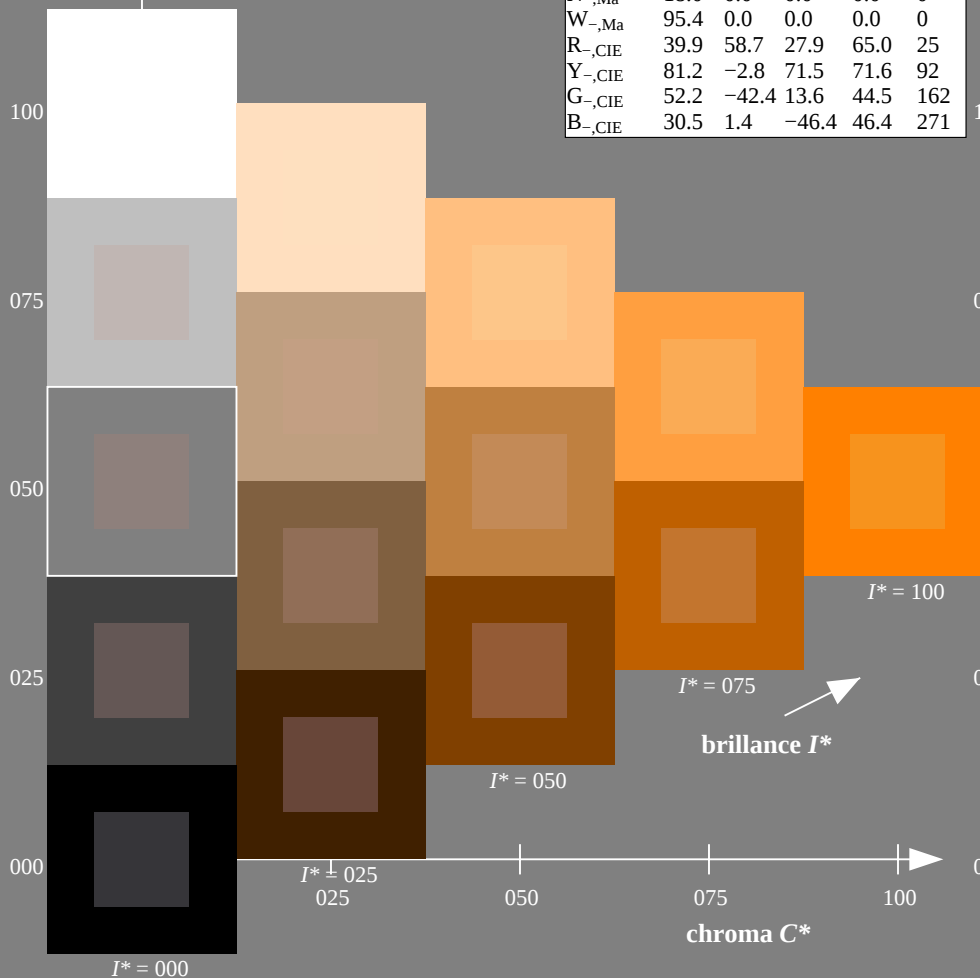
$g^*_{H,rel} = 57$

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

$H^*_- = R50Y_-$

ORS20a; données CIELAB (a) adaptées

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
R25Y_100_100_	56.8	48.0	50.5	69.6
R50Y_100_100_	68.6	25.0	63.9	68.6
R75Y_100_100_	80.6	4.8	77.2	77.3
Y00G_100_100_	90.2	-9.6	88.2	88.7
Y25G_100_100_	83.2	-18.4	79.9	81.9
Y50G_100_100_	73.3	-31.7	62.7	70.2
Y75G_100_100_	62.0	-49.7	43.2	65.8
G00B_100_100_	55.8	-65.2	33.8	73.4
G25B_100_100_	59.3	-50.3	-9.0	51.0
G50B_100_100_	63.0	-30.5	-42.0	51.9
G75B_100_100_	45.7	-5.7	-44.6	44.9
B00R_100_100_	27.5	25.9	-47.3	53.9
B25R_100_100_	38.3	52.6	-28.5	59.8
B50R_100_100_	49.5	73.5	-9.0	74.0
B75R_100_100_	48.9	69.3	12.9	70.4



voir fichiers similaires: <http://130.149.60.45/~farbmetrik/QF18/QF18L0FP.PDF> /PS
informations techniques: <http://www.ps.bam.de> ou <http://130.149.60.45/~farbmetrik>

Entrée et sortie: Système Offset Reflective ORS18a pour la teinte CIELAB relative $h_{ab,a,rel} = h_{ab}/360 = 58/360 = 0.16$

$H^*_e = R50Y_e$

Données de couleurs périphériques (d)

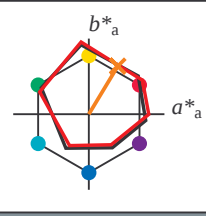
ou élémentaires (e):

HIC^*_e

code de teinte pour les couleurs de cette page:

$H^*_e = R50Y_e$

triangle de luminosité T^*



ORS20a; données CIELAB (a) adaptées

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

Les données de couleur maximale (Ma):

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

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

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

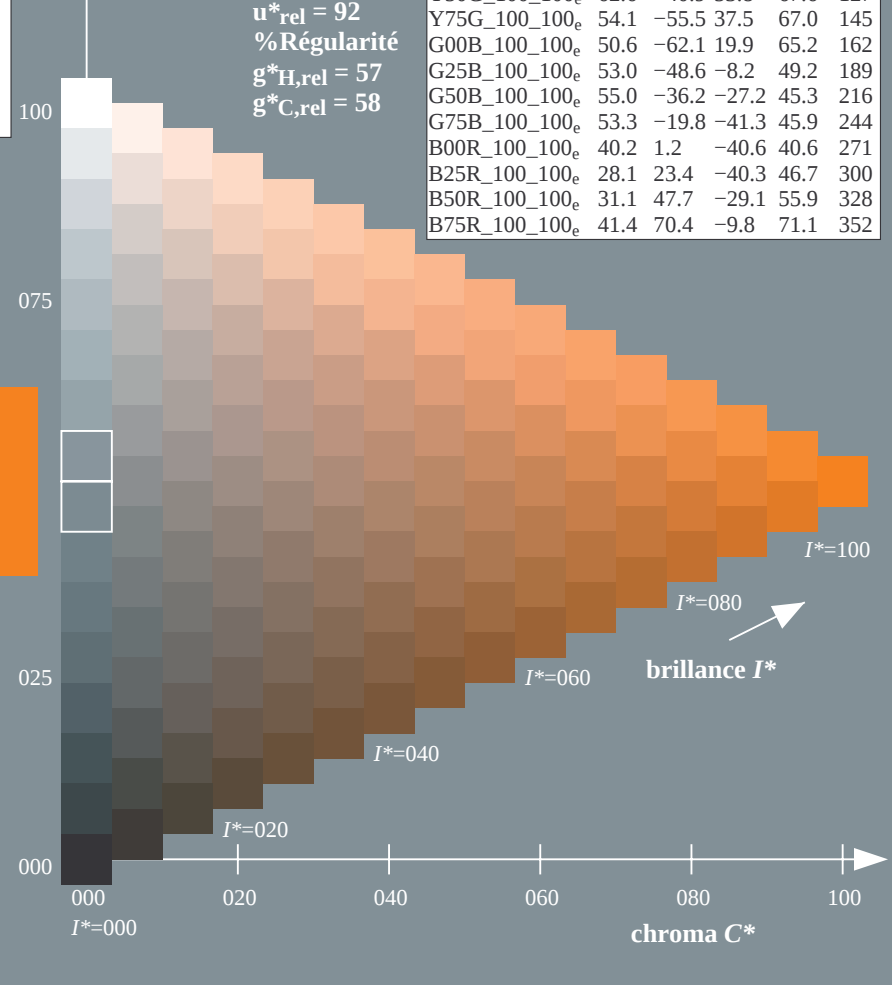
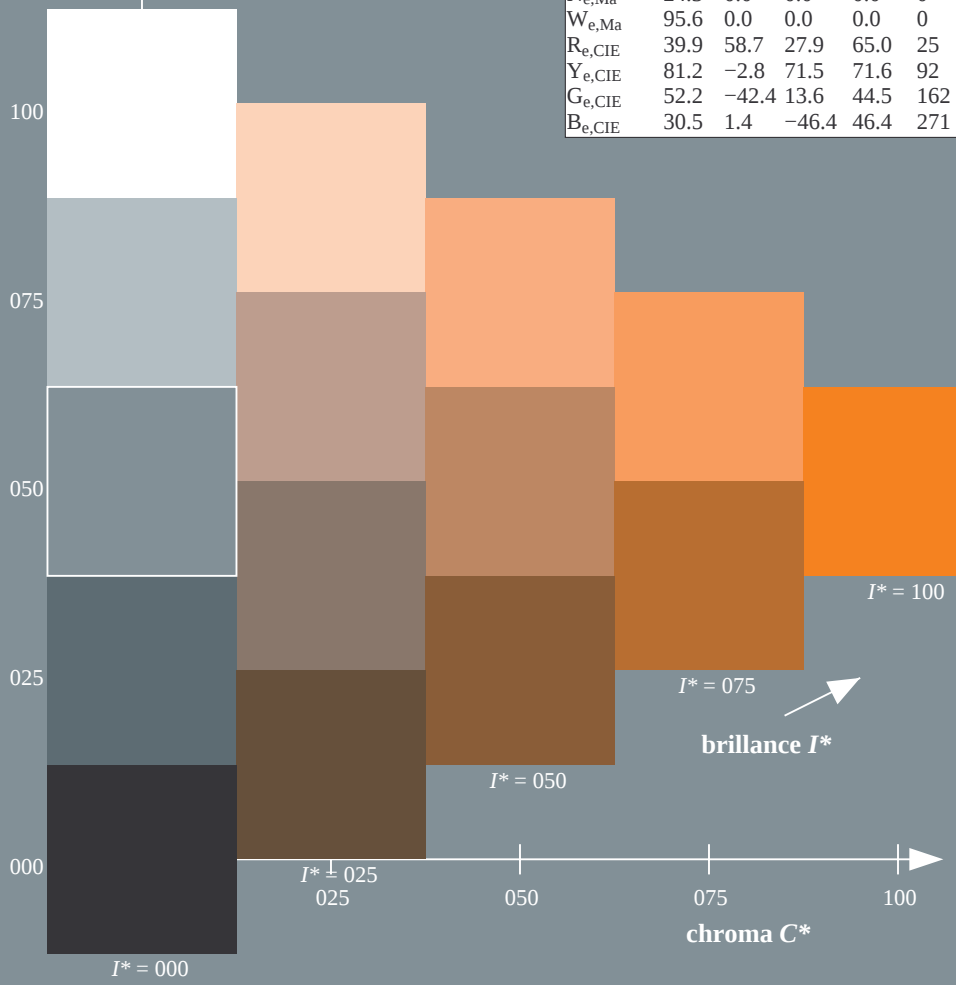
1.0 0.39 0.0 1.0 1.0

triangle de luminosité T^*

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

ORS20a; données CIELAB (a) adaptées

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	92
$Y25G_{100_100_e}$	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



graphique TUB-QF18; code de teinte: $H^*_e=R50Y_e$
graphique conforme à DIN 33872, 3D=1, de=1, $cmY0^*$

entrée : $rgb/cmyk \rightarrow rgb_{de}$
sortie : linéarisation 3D selon $cmY0^*_{de}$

TUB enregistrement: 20130201-QF18/QF18L0FP.PDF /PS
application pour la mesure des sorties sur offset, séparation $cmY0^*$ (CMY0)
TUB matériel: code=rha4ta

voir fichiers similaires: <http://130.149.60.45/~farbmetrik/QF18/QF18L0FP.PDF> / .PS
informations techniques: <http://www.ps.bam.de> ou <http://130.149.60.45/~farbmetrik>

TUB enregistrement: 20130201-QF18/QF18L0FP.PDF /.PS TUB matériel: code=rha4ta
application pour la mesure des sorties sur offset, séparation cmy0* (CMY0)

Entrée et sortie: Système Offset Reflective ORS18a pour la teinte CIELAB relative $h_{ab,a,rel} = h_{ab}/360 = 58/360 = 0.16$

$H^*_e = R50Y_e$

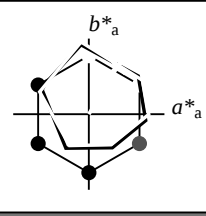
Données de couleurs périphériques (d)
ou élémentaires (e):

HIC^*_e

code de teinte pour les couleurs de cette page:

$H^*_e = R50Y_e$

triangle de luminosité T^*



ORS20a; données CIELAB (a) adaptées

nom	$L^*=L^*_a$	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

Les données de couleur maximale (Ma):

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

HIC^*_e, Ma : R50Y_100_100_e

$rgbic^*_e, Ma$:

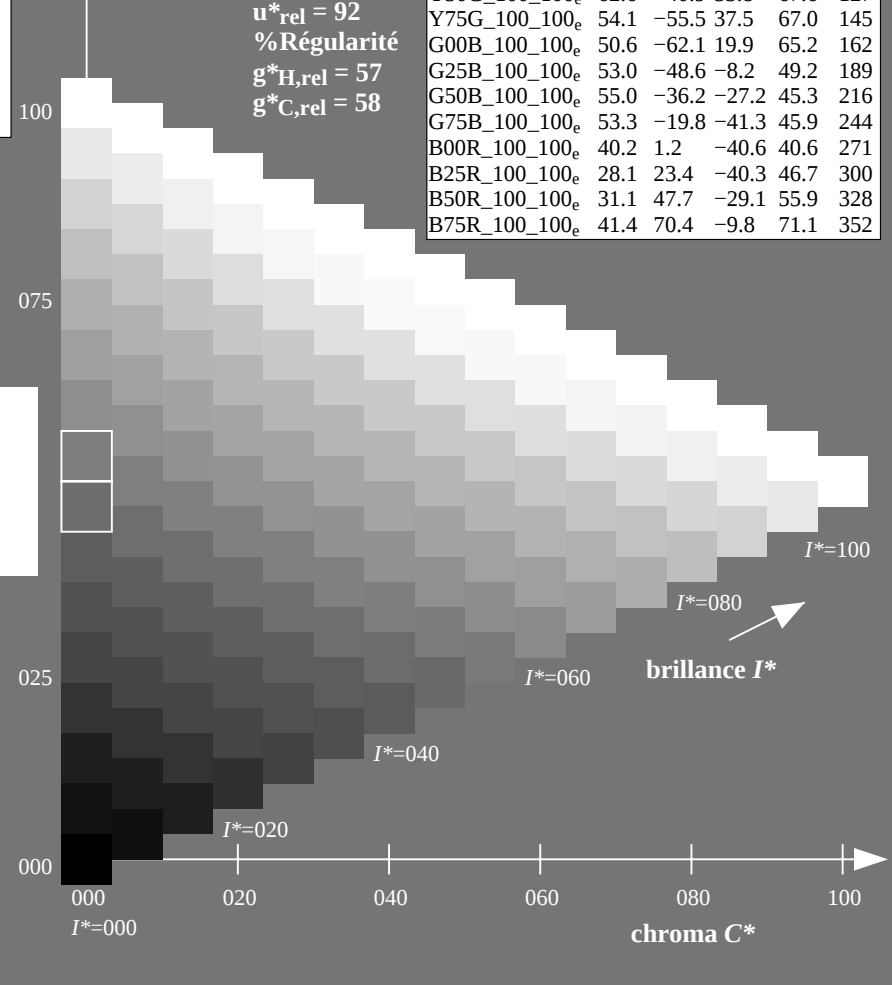
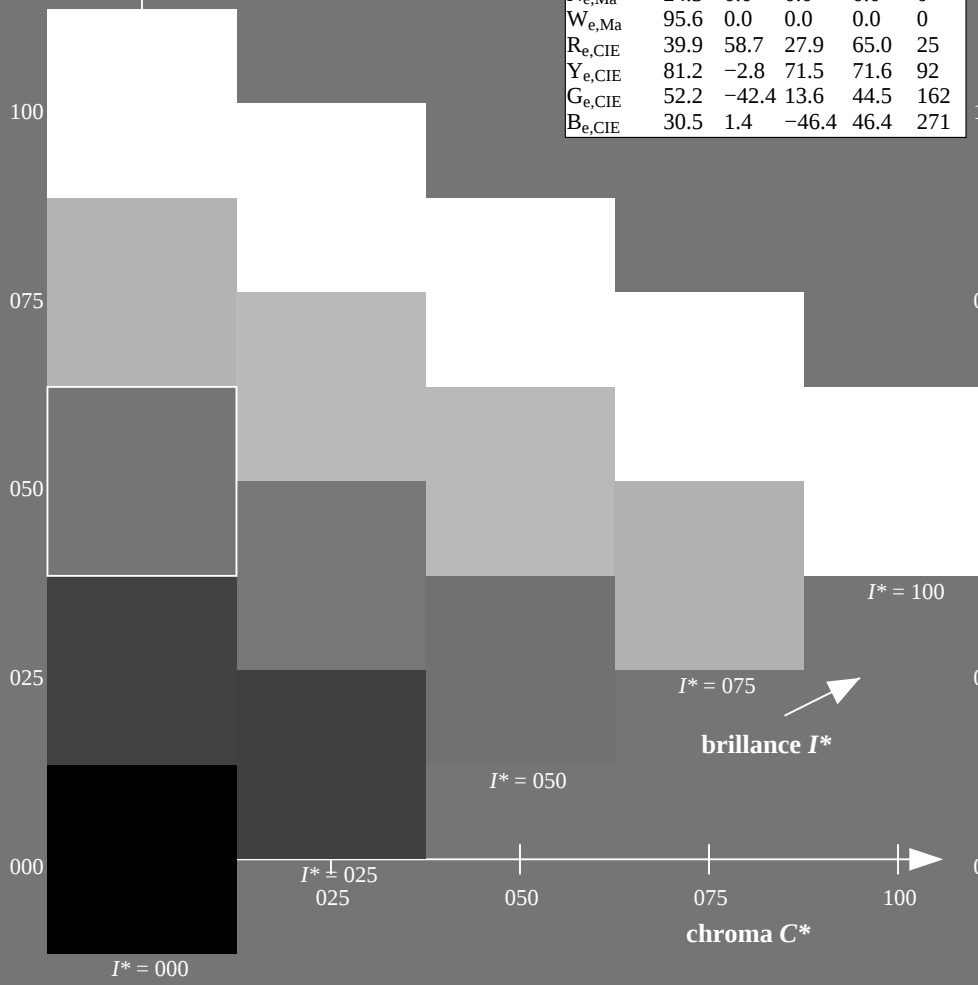
1.0 0.39 0.0 1.0 1.0

triangle de luminosité T^*

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

ORS20a; données CIELAB (a) adaptées

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



graphique TUB-QF18; code de teinte: $H^*_e=R50Y_e$
graphique conforme à DIN 33872, 3D=1, de=1, $cmy0^*$

entrée : $rgb/cmyk \rightarrow rgb_{de}$
sortie : linéarisation 3D selon $cmy0^*_{de}$



Entrée et sortie: Système Offset Reflective ORS18a pour la teinte CIELAB relative $h_{ab,a,rel} = h_{ab}/360 = 58/360 = 0.16$

$H^*_e = R50Y_e$

Données de couleurs périphériques (d)

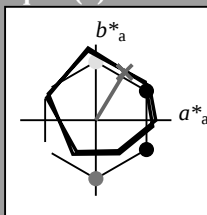
ou élémentaires (e):

HIC^*_e

code de teinte pour les couleurs de cette page:

$H^*_e = R50Y_e$

triangle de luminosité T^*



ORS20a; données CIELAB (a) adaptées

nom	$L^*=L^*_a$	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

Les données de couleur maximale (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 de luminosité T^*

% Gamme

$u^*_{rel} = 92$

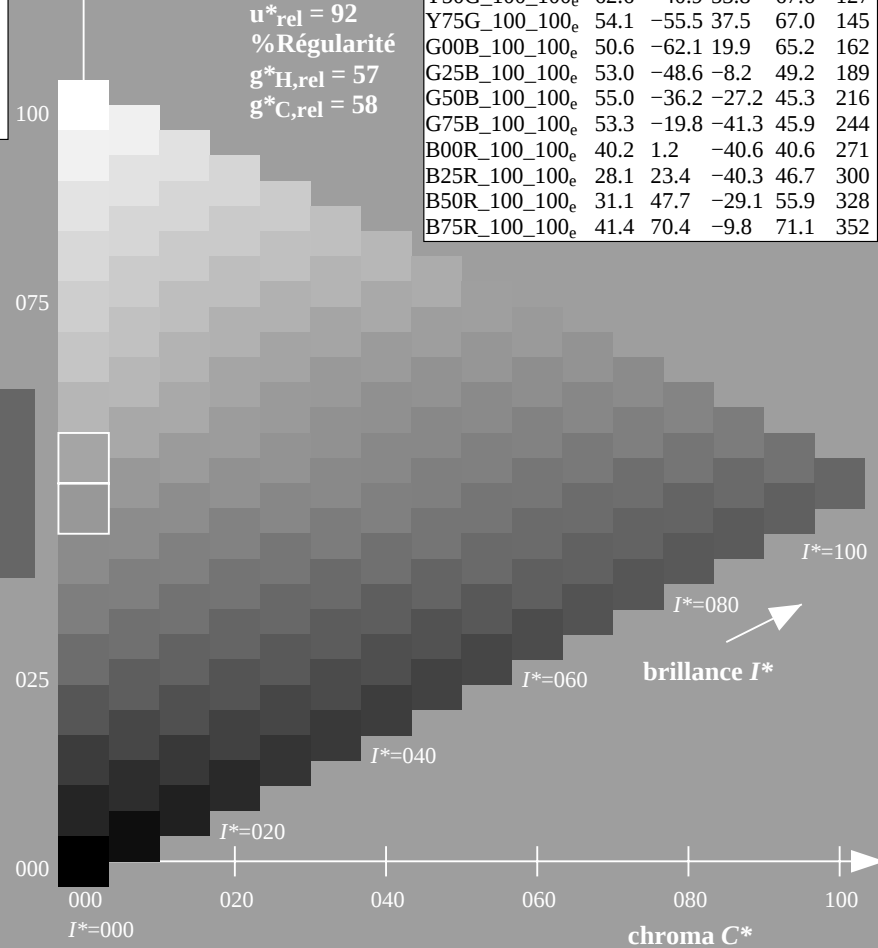
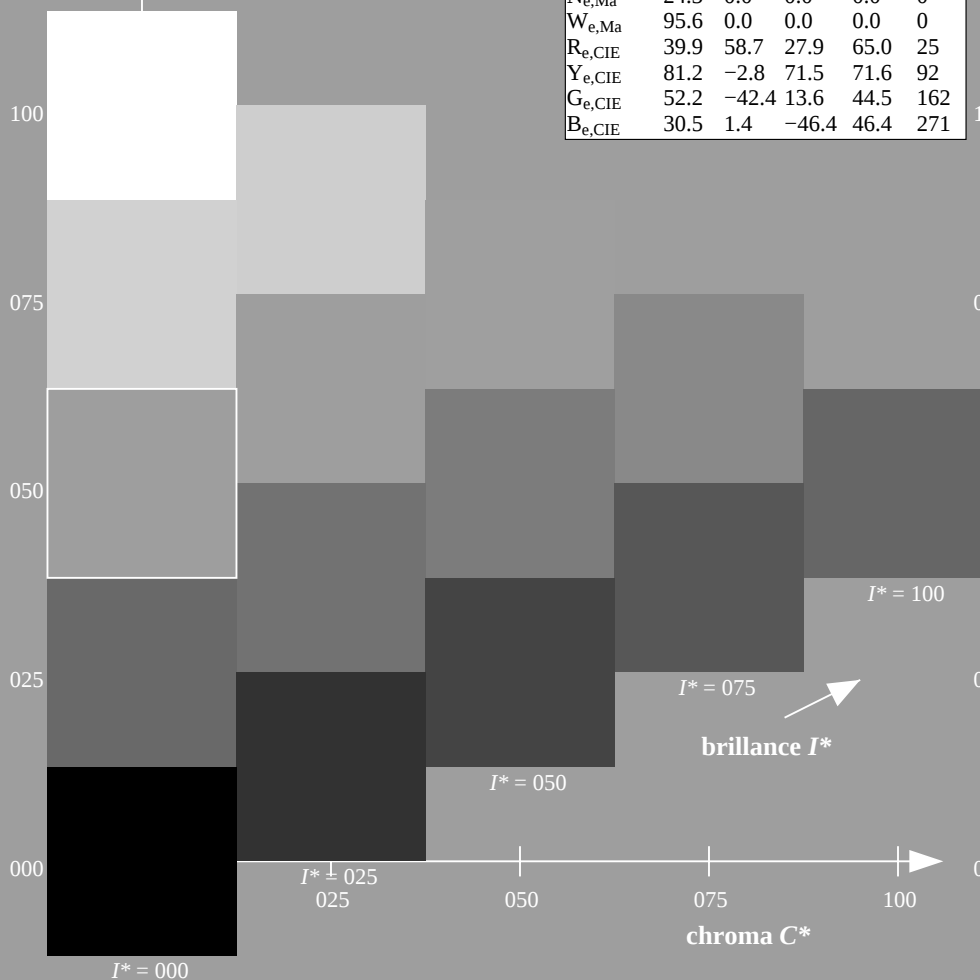
% Régularité

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

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

ORS20a; données CIELAB (a) adaptées

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



graphique TUB-QF18; code de teinte: $H^*_e=R50Y_e$
graphique conforme à DIN 33872, 3D=1, $de=1$, $cmY0^*$

entrée : $rgb/cmyk \rightarrow rgb_{de}$
sortie : linéarisation 3D selon $cmY0^*_{de}$

TUB enregistrement: 20130201-QF18/QF18L0FP.PDF / .PS
application pour la mesure des sorties sur offset, séparation $cmY0^*$ (CMY0)
TUB matériel: code=rha4ta

Entrée et sortie: Système Offset Reflective ORS18a pour la teinte CIELAB relative $h_{ab,a,rel} = h_{ab}/360 = 58/360 = 0.16$

$H^*_e = R50Y_e$

Données de couleurs périphériques (d)

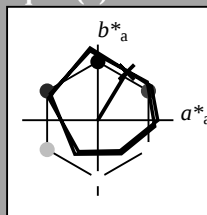
ou élémentaires (e):

HIC^*_e

code de teinte pour les couleurs de cette page:

$H^*_e = R50Y_e$

triangle de luminosité T^*



ORS20a; données CIELAB (a) adaptées

nom	$L^*=L^*_a$	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

Les données de couleur maximale (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 de luminosité T^*

% Gamme

$u^*_{rel} = 92$

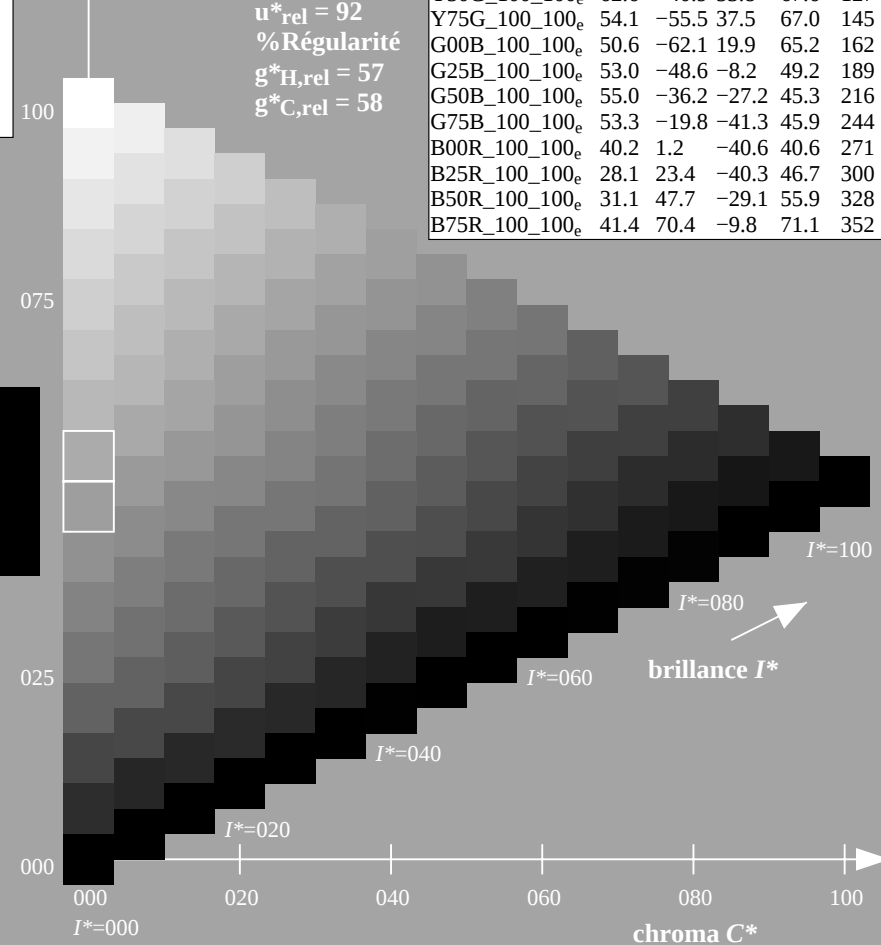
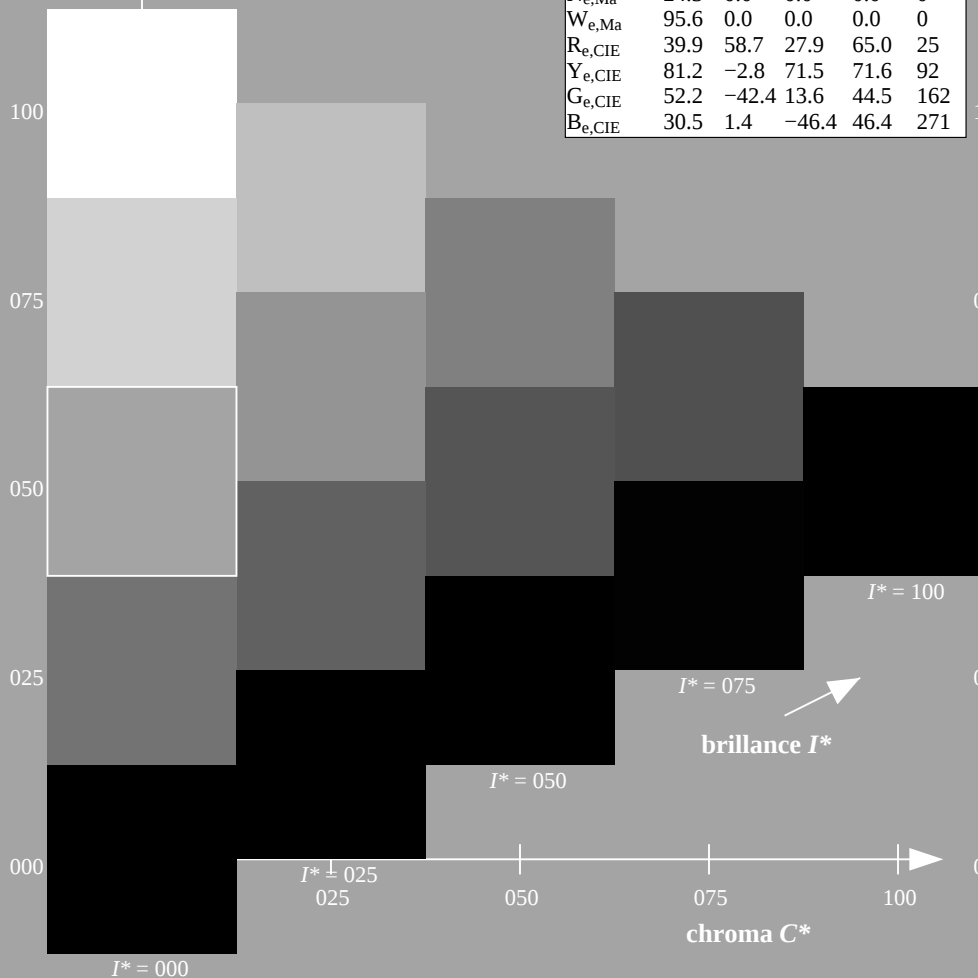
% Régularité

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

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

ORS20a; données CIELAB (a) adaptées

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
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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



graphique TUB-QF18; code de teinte: $H^*_e=R50Y_e$
graphique conforme à DIN 33872, 3D=1, $de=1$, $cmY0^*$

entrée : $rgb/cmyk \rightarrow rgb_{de}$
sortie : linéarisation 3D selon $cmY0^*_{de}$



entrée : $rgb/cmyk \rightarrow rgb_{de}$
sortie : linéarisation 3D selon $cmy0^*_{de}$

<http://130.149.60.45/~farbmetrik/QF18/QF18L0FP.PDF> /.PS; linéarisation 3D
F: linéarisation 3D QF18/QF18LF30FP.DAT dans fichier (F), page 6/33

graphique TUB-QF18; code de teinte: $H^*_e=R50Y_e$
graphique conforme à DIN 33872, 3D=1, $de=1$, $cmy0^*$

3-113531-L0 QF180-73



3-113531-F0



voir fichiers similaires: <http://130.149.60.45/~farbmetrik/QF18/QF18.HTM>
informations techniques: <http://www.ps.bam.de> ou <http://130.149.60.45/~farbmetrik>



Couleur maximale dans le système colorimétrique : Offset standard print; separation cmy0*, D65 pour l'entrée et sortie; Six angles de teinte à 60 degrés couleurs standard $RYGCBM_s$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six angles de teinte des couleurs périphériques $RYGCBM_d$: $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$; Six angles de teinte des couleurs élémentaires $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$J=Y_d$
CIE LAB (a^*_d, b^*_d)

$LCH^*_d = 87.8 \ 96.0 \ 96.1$
 $LAB^*_d = 87.8 \ -10.2 \ 95.4$
 $rgb^*_d = 1.0 \ 1.0 \ 0.0$

$L=G_d$
 $LCH^*_d = 50.0 \ 71.4 \ 155.5$
 $LAB^*_d = 50.0 \ -65.0 \ 29.6$
 $rgb^*_d = 0.0 \ 1.0 \ 0.0$

$C=C_d$
 $LCH^*_d = 56.8 \ 48.7 \ 238.4$
 $LAB^*_d = 56.8 \ -25.5 \ -41.5$
 $rgb^*_d = 0.0 \ 1.0 \ 1.0$

$O=R_d$
 $LCH^*_d = 45.4 \ 83.9 \ 32.3$
 $LAB^*_d = 45.4 \ 70.9 \ 44.8$
 $rgb^*_d = 1.0 \ 0.0 \ 0.0$

$M=M_d$
 $LCH^*_d = 46.1 \ 79.3 \ 359.8$
 $LAB^*_d = 46.1 \ 79.3 \ -0.2$
 $rgb^*_d = 1.0 \ 0.0 \ 1.0$

$V=B_d$
 $LCH^*_d = 25.0 \ 50.0 \ 306.2$
 $LAB^*_d = 25.0 \ 29.5 \ -40.4$
 $rgb^*_d = 0.0 \ 0.0 \ 1.0$

Y_e
CIE LAB (a^*_e, b^*_e)

$LCH^*_e = 83.6 \ 90.4 \ 92.3$
 $LAB^*_e = 83.6 \ -3.6 \ 90.4$
 $rgb^*_{de} = 1.0 \ 0.878 \ 0.0$

G_e
 $LCH^*_e = 50.6 \ 65.2 \ 162.2$
 $LAB^*_e = 50.6 \ -62.1 \ 19.9$
 $rgb^*_{de} = 0.0 \ 1.0 \ 0.151$

C_e
 $LCH^*_e = 55.0 \ 45.3 \ 216.9$
 $LAB^*_e = 55.0 \ -36.2 \ -27.2$
 $rgb^*_{de} = 0.0 \ 1.0 \ 0.747$

B_e
 $LCH^*_e = 40.2 \ 40.6 \ 271.7$
 $LAB^*_e = 40.2 \ 1.2 \ -40.6$
 $rgb^*_{de} = 0.0 \ 0.458 \ 1.0$

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

M_e
 $LCH^*_e = 31.1 \ 55.9 \ 328.6$
 $LAB^*_e = 31.1 \ 47.7 \ -29.1$
 $rgb^*_{de} = 0.321 \ 0.0 \ 1.0$

Y_s
CIE LAB (a^*_s, b^*_s)

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

G_s
 $LCH^*_s = 52.3 \ 68.9 \ 150.0$
 $LAB^*_s = 52.3 \ -59.6 \ 34.4$
 $rgb^*_{ds} = 0.062 \ 1.0 \ 0.0$

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

M_s
 $LCH^*_s = 31.6 \ 56.5 \ 330.0$
 $LAB^*_s = 31.6 \ 49.0 \ -28.2$
 $rgb^*_{ds} = 0.337 \ 0.0 \ 1.0$

B_s
 $LCH^*_s = 40.9 \ 40.6 \ 270.0$
 $LAB^*_s = 40.9 \ 0.0 \ -40.6$
 $rgb^*_{ds} = 0.0 \ 0.479 \ 1.0$

(a^*_d, b^*_d), (a^*_s, b^*_s), (a^*_e, b^*_e)

$rgb^*_d, LCH^*_d, LAB^*_d$

$h_{ab,s}, rgb^*_s$

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

$h_{ab,s}$

$s: h_{ab,i} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0, 390.0 \ (i=0,6)$

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

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

$h_{ab,e}$

$e: h_{ab,i} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6, 385.5 \ (i=0,6)$

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

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

$h_{ab,d}$

rgb^*_{de}

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$LAB^*_{a0}, YN=0\%, XYZ_{nw}=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB^*_{nw}=24.4, 0.0, 0.0, 95.6, 0.0, 0.0$

graphique TUB-QF18; code de teinte: $H^*_e=R50Y_e$
cercle chromatique 48 paliers; tableaux $rgb-LabCh^*$

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

sortie : linéarisation 3D selon $cmy0^*_{de}$

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

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Couleur maximale dans le système colorimétrique : Offset standard print; separation cmy0*, D65 pour l'entrée et sortie; Six angles de teinte à 60 degrés couleurs standard $RYGCBM_c$; $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six angles de teinte des couleurs périphériques $RYGCBM_d$; $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$; Six angles de teinte des couleurs élémentaires $RYGCBM_e$; $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

h _{ab,d}			h _{ab,s}			h _{ab,e}			rgb* _{ddx64M}					LAB* _{ddx64M} (x=LabCh)					rgb* _{ddx361M}					LAB* _{ddx361M} (x=LabCh)					rgb* _{dsx361M}					LAB* _{dsx361M} (x=LabCh)					rgb* _{dex361M}					LAB* _{dex361M}					rgb* _{dd}					rgb* _{ds}					rgb* _{de}																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	1.0	0.0	0.0	45.5	70.9	44.9	83.9	32	1.0	0.0	0.096	45.5	71.4	41.2	82.4	30	1.0	0.0	0.255	45.7	72.2	34.4	80.0	25																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

Couleur maximale dans le système colorimétrique : Offset standard print; separation cmy0*, D65 pour l'entrée et sortie; Six angles de teinte à 60 degrés couleurs standard $RYGCBM_c$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six angles de teinte des couleurs périphériques $RYGCBM_d$: $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$; Six angles de teinte des couleurs élémentaires $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd64M}			$LAB^*_{dd64M} (x=LabCh)$								$rgb^*_{dex361M}$				$LAB^*_{dex361M}$					rgb^*_{ds}	rgb^*_{de}	rgb^*_{de}	
32.3	30.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	32.3				1.0	0.0	0.255	45.7	72.2	34.4	80.0	25				
38.1	37.5	33.8	1.0	0.125	0.0	48.9	62.8	49.4	79.9	38.1	38.1				1.0	0.021	0.0	46.0	69.6	45.7	83.3	33				
46.8	45.0	42.1	1.0	0.25	0.0	53.6	51.9	55.5	76.0	46.8	46.8				1.0	0.183	0.0	51.1	57.9	52.5	78.1	42				
56.9	52.5	50.5	1.0	0.375	0.0	59.1	40.3	62.0	74.0	56.9	56.9				1.0	0.288	0.0	55.4	48.5	57.8	75.4	49				
67.1	60.0	58.8	1.0	0.5	0.0	64.9	28.9	68.6	74.5	67.1	67.1				1.0	0.398	0.0	60.3	38.3	63.5	74.1	58				
78.6	67.5	67.2	1.0	0.625	0.0	72.1	15.4	77.1	78.6	78.6	78.6				1.0	0.494	0.0	64.6	29.5	68.4	74.5	66				
86.2	75.0	75.6	1.0	0.75	0.0	77.9	5.4	83.8	84.0	86.2	86.2				1.0	0.592	0.0	70.2	19.3	75.2	77.6	75				
92.1	82.5	83.9	1.0	0.875	0.0	83.4	-3.4	90.2	90.2	92.1	92.1				1.0	0.703	0.0	75.8	9.4	81.5	82.0	83				
96.1	90.0	92.3	1.0	1.0	0.0	87.8	-10.2	95.4	96.0	96.1	96.1				1.0	0.879	0.0	83.6	-3.6	90.4	90.5	92				
98.8	97.5	101.0	0.875	1.0	0.0	84.3	-13.9	89.2	90.3	98.8	98.8				0.807	1.0	0.0	82.4	-15.8	86.2	87.7	100				
101.8	105.0	109.7	0.75	1.0	0.0	80.7	-17.5	83.5	85.3	101.8	101.8				0.583	1.0	0.0	73.7	-26.1	72.7	77.3	109				
107.6	112.5	118.5	0.625	1.0	0.0	75.3	-24.0	75.7	79.4	107.6	107.6				0.434	1.0	0.0	68.0	-32.9	62.2	70.5	117				
114.0	120.0	127.2	0.5	1.0	0.0	70.6	-29.7	66.5	72.8	114.0	114.0				0.322	1.0	0.0	62.6	-40.8	53.8	67.6	127				
121.4	127.5	136.0	0.375	1.0	0.0	65.7	-35.6	58.3	68.3	121.4	121.4				0.249	1.0	0.0	58.4	-47.4	46.8	66.6	135				
135.3	135.0	144.7	0.25	1.0	0.0	58.4	-47.3	46.8	66.6	135.3	135.3				0.122	1.0	0.0	54.6	-54.2	38.4	66.5	144				
144.4	142.5	153.4	0.125	1.0	0.0	54.7	-53.9	38.5	66.3	144.4	144.4				0.03	1.0	0.0	51.2	-62.4	32.0	70.2	152				
155.5	150.0	162.2	0.0	1.0	0.0	50.0	-65.0	29.6	71.4	155.5	155.5				0.0	1.0	0.151	50.7	-62.0	19.9	65.2	162				
160.7	157.5	169.0	0.0	1.0	0.125	50.5	-62.8	21.9	66.5	160.7	160.7				0.0	1.0	0.261	51.3	-58.5	11.8	59.8	168				
167.7	165.0	175.9	0.0	1.0	0.25	51.2	-58.9	12.7	60.3	167.7	167.7				0.0	1.0	0.364	52.0	-55.0	3.9	55.2	175				
176.7	172.5	182.7	0.0	1.0	0.375	52.0	-54.5	3.1	54.6	176.7	176.7				0.0	1.0	0.43	52.5	-52.2	-2.0	52.3	182				
189.3	180.0	189.6	0.0	1.0	0.5	52.9	-48.6	-8.0	49.3	189.3	189.3				0.0	1.0	0.502	53.0	-48.5	-8.1	49.3	189				
203.2	187.5	196.4	0.0	1.0	0.625	54.0	-42.3	-18.1	46.1	203.2	203.2				0.0	1.0	0.56	53.5	-45.9	-13.1	47.8	195				
217.2	195.0	203.2	0.0	1.0	0.75	55.0	-36.0	-27.4	45.3	217.2	217.2				0.0	1.0	0.626	54.1	-42.3	-18.1	46.1	203				
228.3	202.5	210.1	0.0	1.0	0.875	55.8	-30.7	-34.5	46.2	228.3	228.3				0.0	1.0	0.682	54.5	-39.6	-22.6	45.7	209				
238.4	210.0	216.9	0.0	1.0	1.0	56.8	-25.5	-41.5	48.7	238.4	238.4				0.0	1.0	0.747	55.0	-36.1	-27.2	45.3	216				
242.9	217.5	223.8	0.0	0.875	1.0	54.1	-21.1	-41.3	46.4	242.9	242.9				0.0	1.0	0.819	55.5	-33.2	-31.3	45.8	223				
249.3	225.0	230.6	0.0	0.75	1.0	50.4	-15.5	-41.1	43.9	249.3	249.3				0.0	1.0	0.904	56.1	-29.6	-36.1	46.8	230				
256.9	232.5	237.5	0.0	0.625	1.0	46.5	-9.4	-40.8	41.9	256.9	256.9				0.0	1.0	0.983	56.7	-26.2	-40.5	48.4	237				
268.2	240.0	244.3	0.0	0.5	1.0	41.7	-1.2	-40.6	40.6	268.2	268.2				0.0	0.847	1.0	53.3	-19.8	-41.3	45.9	244				
278.6	247.5	251.2	0.0	0.375	1.0	37.3	6.1	-40.2	40.7	278.6	278.6				0.0	0.726	1.0	49.7	-14.3	-41.1	43.6	250				
289.6	255.0	258.0	0.0	0.25	1.0	32.8	14.3	-40.2	42.7	289.6	289.6				0.0	0.613	1.0	46.1	-8.6	-40.8	41.9	258				
299.0	262.5	264.8	0.0	0.125	1.0	28.6	22.4	-40.2	46.1	299.0	299.0				0.0	0.542	1.0	43.4	-3.9	-40.8	41.1	264				
306.2	270.0	271.7	0.0	0.0	1.0	25.0	29.5	-40.4	50.0	306.2	306.2				0.0	0.458	1.0	40.3	1.2	-40.6	40.7	271				
314.7	277.5	278.8	0.125	0.0	1.0	27.9	36.0	-36.4	51.2	314.7	314.7				0.0	0.378	1.0	37.5	5.9	-40.2	40.7	278				
322.1	285.0	285.9	0.25	0.0	1.0	28.8	41.9	-32.5	53.1	322.1	322.1				0.0	0.292	1.0	34.4	11.6	-40.3	42.0	285				
333.3	292.5	293.0	0.375	0.0	1.0	32.7	51.8	-26.0	58.0	333.3	333.3				0.0	0.211	1.0	31.5	16.8	-40.3	43.8	292				
340.5	300.0	300.1	0.5	0.0	1.0	35.6	58.6	-20.7	62.1	340.5	340.5				0.0	0.106	1.0	28.1	23.5	-40.3	46.7	300				
347.9	307.5	307.2	0.625	0.0	1.0	38.1	65.4	-14.0	66.9	347.9	347.9				0.009	0.0	1.0	25.3	30.1	-40.1	50.2	306				
352.5	315.0	314.3	0.75	0.0	1.0	41.8	71.0	-9.2	71.6	352.5	352.5				0.12	0.0	1.0	27.8	35.8	-36.5	51.2	314				
356.1	322.5	321.4	0.875	0.0	1.0	44.2	75.2	-5.0	75.3	356.1	356.1				0.231	0.0	1.0	28.7	41.1	-33.2	52.9	321				
359.8	330.0	328.6	1.0	0.0	1.0	46.1	79.3	-0.2	79.3	359.8	359.8				0.322	0.0	1.0	31.1	47.8	-29.1	56.0	328				
363.0	337.5	335.7	1.0	0.0	0.875	45.9	78.2	4.1	78.3	363.0	363.0				0.408	0.0	1.0	33.5	53.7	-24.7	59.1	335				
366.4	345.0	342.8	1.0	0.0	0.75	45.9	77.1	8.6	77.6	366.4	366.4				0.539	0.0	1.0	36.4	60.8	-18.7	63.7	342				
371.1	352.5	349.9	1.0	0.0	0.625	46.0	75.6	14.8	77.0	371.1	371.1				0.667	0.0	1.0	39.3	67.4	-12.4	68.5	349				
375.9	360.0	357.0	1.0	0.0	0.5	45.9	74.2	21.1	77.1	375.9	375.9				0.736	0.0	1.0	41.4	70.5	-9.7	71.1	352				
381.2	367.5	364.1	1.0	0.0	0.375	45.8	72.9	28.3	78.3	381.2	381.2				1.0	0.0	1.0	46.1	79.3	-0.1	79.3	359				
385.6	375.0	371.2	1.0	0.0	0.25	45.6	72.1	34.6	80.0	385.6	385.6				1.0	0.0	0.687	46.0	76.5	11.8	77.4	368				
389.3	382.5	378.3	1.0	0.0	0.125	45.5	71.4	40.1	81.9	389.3	389.3				1.0	0.0	0.485	45.9	74.1	22.0	77.3	376				
392.3	390.0	385.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	392.3	392.3				1.0	0.0	0.255	45.7	72.2	34.4	80.0	385				

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QF180-73

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

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

graphique TUB-QF18; code de teinte: $H^*_e=R50Y_e$
cercle chromatique 48 paliers; tableaux $rgb-LabCh^*$

entrée : $rgb/cmyk \rightarrow rgb_{de}$
sortie : linéarisation 3D selon $cmy0^*_{de}$

3-113831-F0

voir fichiers similaires: <http://130.149.60.45/~farbmetrik/QF18/QF18L0FP.PDF> / .PS
informations techniques: <http://www.ps.bam.de> ou <http://130.149.60.45/~farbmetrik>

TUB enregistrement: 20130201-QF18/QF18L0FP.PDF / .PS
application pour la mesure des sorties sur offset, séparation cmy0* (CMY0)
TUB matériel: code=rha4ta

Couleur maximale dans le système colorimétrique : Offset standard print; separation cmy0*, D65 pour l'entrée et sortie; Six angles de teinte à 60 degrés couleurs standard $RYGCBM_c$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six angles de teinte des couleurs périphériques $RYGCBM_d$: $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$; Six angles de teinte des couleurs élémentaires $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}	$LAB^*_{ddx361Mi} (x=LabCh)$	R_d	$rgb^*_{ds361Mi}$	$LAB^*_{dsx361Mi} (x=LabCh)$	R_s	$rgb^*_{dd361Mi}$	$LAB^*_{dex361Mi} (x=LabCh)$	R_e	$rgb^*_{dd361Mi}$	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
32	30	25	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32	1.0	0.0	0.0	0.0	0.0
33	31	26	1.0	0.016	0.0	45.9	69.8	45.5	83.4	33	1.0	0.0	0.055	45.5	71.2
33	32	27	1.0	0.033	0.0	46.3	68.8	46.1	82.8	33	1.0	0.0	0.013	45.5	71.0
34	33	28	1.0	0.05	0.0	46.8	67.7	46.8	82.3	34	1.0	0.0	0.015	0.0	45.9
35	34	29	1.0	0.066	0.0	47.3	66.6	47.4	81.8	35	1.0	0.0	0.036	0.0	46.5
36	35	31	1.0	0.083	0.0	47.7	65.5	48.0	81.2	36	1.0	0.0	0.057	0.0	47.1
36	36	32	1.0	0.1	0.0	48.2	64.4	48.5	80.7	36	1.0	0.0	0.079	0.0	47.6
37	37	33	1.0	0.116	0.0	48.6	63.3	49.1	80.2	37	1.0	0.1	0.0	0.0	48.2
38	38	34	1.0	0.133	0.0	49.2	62.1	49.8	79.6	38	1.0	0.121	0.0	0.0	48.8
39	39	35	1.0	0.15	0.0	49.8	60.7	50.7	79.1	39	1.0	0.137	0.0	0.0	49.4
41	40	36	1.0	0.166	0.0	50.5	59.2	51.6	78.6	41	1.0	0.151	0.0	0.0	49.9
42	41	37	1.0	0.183	0.0	51.1	57.8	52.5	78.1	42	1.0	0.166	0.0	0.0	50.5
43	42	38	1.0	0.2	0.0	51.7	56.3	53.3	77.5	43	1.0	0.18	0.0	0.0	51.0
44	43	39	1.0	0.216	0.0	52.4	54.9	54.0	77.0	44	1.0	0.194	0.0	0.0	51.6
45	44	41	1.0	0.233	0.0	53.0	53.4	54.8	76.5	45	1.0	0.209	0.0	0.0	52.1
46	45	42	1.0	0.25	0.0	53.6	51.9	55.5	76.0	46	1.0	0.223	0.0	0.0	52.7
48	46	43	1.0	0.266	0.0	54.4	50.4	56.5	75.7	48	1.0	0.237	0.0	0.0	53.2
49	47	44	1.0	0.283	0.0	55.1	48.9	57.4	75.4	49	1.0	0.251	0.0	0.0	53.7
50	48	45	1.0	0.3	0.0	55.8	47.4	58.4	75.2	50	1.0	0.264	0.0	0.0	54.3
52	49	46	1.0	0.316	0.0	56.6	45.8	59.2	74.9	52	1.0	0.276	0.0	0.0	54.8
53	50	47	1.0	0.333	0.0	57.3	44.2	60.1	74.6	53	1.0	0.288	0.0	0.0	55.4
54	51	48	1.0	0.35	0.0	58.0	42.7	60.9	74.4	54	1.0	0.301	0.0	0.0	55.9
56	52	49	1.0	0.366	0.0	58.8	41.1	61.7	74.1	56	1.0	0.313	0.0	0.0	56.5
57	53	51	1.0	0.383	0.0	59.5	39.5	62.5	74.0	57	1.0	0.326	0.0	0.0	57.0
59	54	52	1.0	0.4	0.0	60.3	38.1	63.5	74.1	59	1.0	0.338	0.0	0.0	57.6
60	55	53	1.0	0.416	0.0	61.0	36.6	64.5	74.1	60	1.0	0.35	0.0	0.0	58.1
61	56	54	1.0	0.433	0.0	61.8	35.1	65.4	74.2	61	1.0	0.363	0.0	0.0	58.6
63	57	55	1.0	0.45	0.0	62.6	33.6	66.2	74.3	63	1.0	0.375	0.0	0.0	59.2
64	58	56	1.0	0.466	0.0	63.3	32.0	67.1	74.4	64	1.0	0.387	0.0	0.0	59.8
65	59	57	1.0	0.483	0.0	64.1	30.5	67.9	74.4	65	1.0	0.4	0.0	0.0	60.3
67	60	58	1.0	0.5	0.0	64.9	28.9	68.6	74.5	67	1.0	0.412	0.0	0.0	60.9
68	61	60	1.0	0.516	0.0	65.8	27.2	69.9	75.0	68	1.0	0.424	0.0	0.0	61.4
70	62	61	1.0	0.533	0.0	66.8	25.5	71.1	75.6	70	1.0	0.436	0.0	0.0	62.0
71	63	62	1.0	0.55	0.0	67.7	23.8	72.3	76.1	71	1.0	0.449	0.0	0.0	62.6
73	64	63	1.0	0.566	0.0	68.7	22.0	73.5	76.7	73	1.0	0.461	0.0	0.0	63.1
74	65	64	1.0	0.583	0.0	69.7	20.2	74.6	77.3	74	1.0	0.473	0.0	0.0	63.7
76	66	65	1.0	0.6	0.0	70.6	18.3	75.6	77.8	76	1.0	0.486	0.0	0.0	64.2
77	67	66	1.0	0.616	0.0	71.6	16.4	76.6	78.4	77	1.0	0.498	0.0	0.0	64.8
79	68	67	1.0	0.633	0.0	72.5	14.8	77.6	79.0	79	1.0	0.509	0.0	0.0	65.4
80	69	68	1.0	0.65	0.0	73.2	13.6	78.5	79.7	80	1.0	0.52	0.0	0.0	66.1
81	70	70	1.0	0.666	0.0	74.0	12.3	79.5	80.4	81	1.0	0.531	0.0	0.0	66.7
82	71	71	1.0	0.683	0.0	74.8	11.0	80.4	81.1	82	1.0	0.542	0.0	0.0	67.3
83	72	72	1.0	0.7	0.0	75.6	9.6	81.3	81.9	83	1.0	0.553	0.0	0.0	67.9
84	73	73	1.0	0.716	0.0	76.3	8.3	82.2	82.6	84	1.0	0.564	0.0	0.0	68.6
85	74	74	1.0	0.733	0.0	77.1	6.9	83.0	83.3	85	1.0	0.574	0.0	0.0	69.2
86	75	75	1.0	0.75	0.0	77.9	5.4	83.8	84.0	86	1.0	0.585	0.0	0.0	69.8

3-113931-L0

QF180-73

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

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

graphique TUB-QF18; code de teinte: $H^*_e=R50Y_e$
cercle chromatique 48 paliers; tableaux $rgb-LabCh^*$

entrée : $rgb/cmyk \rightarrow rgb_{de}$
sortie : linéarisation 3D selon $cmy0^*_{de}$

3-113931-F0

voir fichiers similaires: <http://130.149.60.45/~farbmetrik/QF18/QF18L0FP.PDF> /PS
informations techniques: <http://www.ps.bam.de> ou <http://130.149.60.45/~farbmetrik>

TUB enregistrement: 20130201-QF18/QF18L0FP.PDF /PS
application pour la mesure des sorties sur offset, séparation cmy0* (CMY0)
TUB matériel: code=rha4ta

Couleur maximale dans le système colorimétrique : Offset standard print; separation cmy0*, D65 pour l'entrée et sortie; Six angles de teinte à 60 degrés couleurs standard $RYGCBM_c$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six angles de teinte des couleurs périphériques $RYGCBM_d$: $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$; Six angles de teinte des couleurs élémentaires $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	$rgb^*_{dd361Mi}$	$LAB^*_{dsx361Mi}(x=LabCh)$	$rgb^*_{ds361Mi}$	$LAB^*_{dsx361Mi}(x=LabCh)$	$rgb^*_{dd361Mi}$	$LAB^*_{dex361Mi}(x=LabCh)$	$rgb^*_{de361Mi}$	$LAB^*_{dex361Mi}(x=LabCh)$	$rgb^*_{dd361Mi}$
86	75	75	1.0	0.75 0.0	77.9	5.4	83.8	84.0	86	1.0	0.75 0.0
87	76	76	1.0	0.766 0.0	78.6	4.3	84.7	84.8	87	1.0	0.767 0.0
87	77	77	1.0	0.783 0.0	79.4	3.2	85.6	85.7	87	1.0	0.783 0.0
88	78	78	1.0	0.8 0.0	80.1	2.0	86.5	86.5	88	1.0	0.8 0.0
89	79	80	1.0	0.816 0.0	80.8	0.8	87.3	87.3	89	1.0	0.817 0.0
90	80	81	1.0	0.833 0.0	81.6	-0.3	88.2	88.2	90	1.0	0.833 0.0
91	81	82	1.0	0.85 0.0	82.3	-1.5	89.0	89.0	91	1.0	0.85 0.0
91	82	83	1.0	0.866 0.0	83.1	-2.8	89.8	89.8	91	1.0	0.867 0.0
92	83	84	1.0	0.883 0.0	83.7	-3.8	90.5	90.6	92	1.0	0.883 0.0
92	84	85	1.0	0.9 0.0	84.3	-4.7	91.3	91.4	92	1.0	0.9 0.0
93	85	86	1.0	0.916 0.0	84.9	-5.6	92.0	92.2	93	1.0	0.917 0.0
94	86	87	1.0	0.933 0.0	85.5	-6.5	92.7	92.9	94	1.0	0.933 0.0
94	87	88	1.0	0.95 0.0	86.0	-7.4	93.4	93.7	94	1.0	0.95 0.0
95	88	90	1.0	0.966 0.0	86.6	-8.3	94.1	94.5	95	1.0	0.967 0.0
95	89	91	1.0	0.983 0.0	87.2	-9.2	94.8	95.2	95	1.0	0.983 0.0
96	90	92	1.0	1.0 0.0	87.8	-10.2	95.4	96.0	96	1.0	1.0 0.0
96	91	93	0.983	1.0 0.0	87.3	-10.7	94.6	95.2	96	0.983	1.0 0.0
96	92	94	0.966	1.0 0.0	86.8	-11.2	93.8	94.5	96	0.967	1.0 0.0
97	93	95	0.95	1.0 0.0	86.4	-11.7	93.0	93.7	97	0.95	1.0 0.0
97	94	96	0.933	1.0 0.0	85.9	-12.2	92.2	93.0	97	0.933	1.0 0.0
97	95	98	0.916	1.0 0.0	85.5	-12.7	91.3	92.2	97	0.917	1.0 0.0
98	96	99	0.9	1.0 0.0	85.0	-13.2	90.5	91.5	98	0.9	1.0 0.0
98	97	100	0.883	1.0 0.0	84.5	-13.6	89.7	90.7	98	0.883	1.0 0.0
99	98	101	0.866	1.0 0.0	84.1	-14.1	88.9	90.0	99	0.867	1.0 0.0
99	99	102	0.85	1.0 0.0	83.6	-14.6	88.1	89.3	99	0.85	1.0 0.0
99	100	103	0.833	1.0 0.0	83.1	-15.1	87.4	88.7	99	0.833	1.0 0.0
100	101	105	0.816	1.0 0.0	82.6	-15.6	86.6	88.0	100	0.817	1.0 0.0
100	102	106	0.8	1.0 0.0	82.2	-16.1	85.8	87.3	100	0.8	1.0 0.0
101	103	107	0.783	1.0 0.0	81.7	-16.6	85.1	86.7	101	0.783	1.0 0.0
101	104	108	0.766	1.0 0.0	81.2	-17.0	84.3	86.0	101	0.767	1.0 0.0
101	105	109	0.75	1.0 0.0	80.7	-17.5	83.5	85.3	101	0.75	1.0 0.0
102	106	110	0.733	1.0 0.0	80.0	-18.4	82.5	84.6	102	0.733	1.0 0.0
103	107	112	0.716	1.0 0.0	79.3	-19.3	81.5	83.8	103	0.717	1.0 0.0
104	108	113	0.7	1.0 0.0	78.5	-20.2	80.5	83.0	104	0.7	1.0 0.0
104	109	114	0.683	1.0 0.0	77.8	-21.1	79.4	82.2	104	0.683	1.0 0.0
105	110	115	0.666	1.0 0.0	77.1	-22.0	78.4	81.4	105	0.667	1.0 0.0
106	111	116	0.65	1.0 0.0	76.4	-22.8	77.3	80.6	106	0.65	1.0 0.0
107	112	117	0.633	1.0 0.0	75.6	-23.6	76.2	79.8	107	0.633	1.0 0.0
108	113	119	0.616	1.0 0.0	75.0	-24.4	75.1	79.0	108	0.617	1.0 0.0
108	114	120	0.6	1.0 0.0	74.3	-25.3	73.9	78.1	108	0.6	1.0 0.0
109	115	121	0.583	1.0 0.0	73.7	-26.1	72.7	77.2	109	0.583	1.0 0.0
110	116	122	0.566	1.0 0.0	73.1	-26.9	71.4	76.3	110	0.567	1.0 0.0
111	117	123	0.55	1.0 0.0	72.4	-27.6	70.2	75.5	111	0.55	1.0 0.0
112	118	124	0.533	1.0 0.0	71.8	-28.3	69.0	74.6	112	0.533	1.0 0.0
113	119	126	0.516	1.0 0.0	71.2	-29.0	67.7	73.7	113	0.517	1.0 0.0
114	120	127	0.5	1.0 0.0	70.6	-29.7	66.5	72.8	114	0.5	1.0 0.0

3-1131031-L0 QF180-73 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

graphique TUB-QF18; code de teinte: $H^*_e=R50Y_e$
cercle chromatique 48 paliers; tableaux $rgb-LabCh^*$

entrée : $rgb/cmyk \rightarrow rgb_{de}$
sortie : linéarisation 3D selon $cmy0^*_{de}$

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

TUB enregistrement: 20130201-QF18/QF18L0FP.PDF /PS
application pour la mesure des sorties sur offset, séparation cmy0* (CMY0)
TUB matériel: code=rha4ta

Couleur maximale dans le système colorimétrique : Offset standard print; separation cmy0*, D65 pour l'entrée et sortie; Six angles de teinte à 60 degrés couleurs standard $RYGCBM_c$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six angles de teinte des couleurs périphériques $RYGCBM_d$: $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$; Six angles de teinte des couleurs élémentaires $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

Six angles de teinte des couleurs périphériques K10C2Dm _g : $h_{ab,d} = 52.3, 56.1, 133.3, 230.4, 366.2, 533.6$; Six angles de teinte des couleurs élémentaires K10C2Dm _g : $h_{ab,e} = 23.3, 52.3, 102.2, 217.3, 271.7, 326.6$																																
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}	$LAB^*_{dsx361Mi} (x=LabCh)$	$rgb^*_{ds361Mi}$	$LAB^*_{dsx361Mi} (x=LabCh)$	$rgb^*_{dd361Mi}$	$rgb^*_{de361Mi}$	$LAB^*_{dex361Mi} (x=LabCh)$	$rgb^*_{dd361Mi}$	$rgb^*_{ds361Mi}$	$rgb^*_{de361Mi}$																				
114	120	127	0.5	1.0	0.0	70.6	-29.7 66.5	72.8	114	0.399	1.0	0.0	66.7	-34.5 59.9	69.2	120	0.5	1.0	0.0	0.322	1.0	0.0	62.6	-40.8 53.8	67.6	127	0.5	1.0	0.0			
115	121	128	0.483	1.0	0.0	69.9	-30.5 65.4	72.2	115	0.382	1.0	0.0	66.0	-35.2 58.8	68.6	121	0.483	1.0	0.0	0.312	1.0	0.0	62.0	-41.8 52.9	67.5	128	0.483	1.0	0.0			
116	122	129	0.466	1.0	0.0	69.3	-31.4 64.3	71.6	116	0.37	1.0	0.0	65.4	-36.1 57.9	68.3	122	0.467	1.0	0.0	0.301	1.0	0.0	61.4	-42.8 51.9	67.3	129	0.467	1.0	0.0			
117	123	130	0.45	1.0	0.0	68.6	-32.2 63.2	71.0	117	0.361	1.0	0.0	64.9	-37.0 57.1	68.1	123	0.45	1.0	0.0	0.291	1.0	0.0	60.8	-43.8 50.9	67.2	130	0.45	1.0	0.0			
117	124	131	0.433	1.0	0.0	68.0	-33.0 62.1	70.4	117	0.352	1.0	0.0	64.4	-37.9 56.4	68.0	124	0.433	1.0	0.0	0.28	1.0	0.0	60.2	-44.7 49.9	67.0	131	0.433	1.0	0.0			
118	125	133	0.416	1.0	0.0	67.3	-33.8 61.0	69.8	118	0.343	1.0	0.0	63.8	-38.8 55.6	67.9	125	0.417	1.0	0.0	0.27	1.0	0.0	59.6	-45.6 48.9	66.9	133	0.417	1.0	0.0			
119	126	134	0.4	1.0	0.0	66.7	-34.5 59.9	69.2	119	0.334	1.0	0.0	63.3	-39.7 54.8	67.8	126	0.4	1.0	0.0	0.259	1.0	0.0	59.0	-46.5 47.8	66.8	134	0.4	1.0	0.0			
120	127	135	0.383	1.0	0.0	66.0	-35.2 58.8	68.6	120	0.325	1.0	0.0	62.8	-40.6 54.0	67.6	127	0.383	1.0	0.0	0.249	1.0	0.0	58.4	-47.4 46.8	66.6	135	0.383	1.0	0.0			
122	128	136	0.366	1.0	0.0	65.2	-36.4 57.6	68.2	122	0.316	1.0	0.0	62.3	-41.5 53.2	67.5	128	0.367	1.0	0.0	0.233	1.0	0.0	57.9	-48.3 45.8	66.6	136	0.367	1.0	0.0			
124	129	137	0.35	1.0	0.0	64.2	-38.2 56.2	67.9	124	0.307	1.0	0.0	61.7	-42.3 52.4	67.4	129	0.35	1.0	0.0	0.217	1.0	0.0	57.4	-49.2 44.7	66.6	137	0.35	1.0	0.0			
126	130	138	0.333	1.0	0.0	63.2	-39.8 54.7	67.7	126	0.298	1.0	0.0	61.2	-43.1 51.5	67.3	130	0.333	1.0	0.0	0.201	1.0	0.0	57.0	-50.0 43.7	66.5	138	0.333	1.0	0.0			
127	131	140	0.316	1.0	0.0	62.3	-41.4 53.2	67.5	127	0.289	1.0	0.0	60.7	-44.0 50.7	67.2	131	0.317	1.0	0.0	0.185	1.0	0.0	56.5	-50.9 42.7	66.5	140	0.317	1.0	0.0			
129	132	141	0.3	1.0	0.0	61.3	-43.0 51.7	67.3	129	0.28	1.0	0.0	60.2	-44.8 49.8	67.0	132	0.3	1.0	0.0	0.169	1.0	0.0	56.0	-51.7 41.6	66.5	141	0.3	1.0	0.0			
131	133	142	0.283	1.0	0.0	60.3	-44.5 50.1	67.0	131	0.271	1.0	0.0	59.6	-45.5 48.9	66.9	133	0.283	1.0	0.0	0.153	1.0	0.0	55.5	-52.5 40.5	66.4	142	0.283	1.0	0.0			
133	134	143	0.266	1.0	0.0	59.3	-45.9 48.5	66.8	133	0.262	1.0	0.0	59.1	-46.3 48.0	66.8	134	0.267	1.0	0.0	0.137	1.0	0.0	55.1	-53.3 39.4	66.4	143	0.267	1.0	0.0			
135	135	144	0.25	1.0	0.0	58.4	-47.3 46.8	66.6	135	0.253	1.0	0.0	58.6	-47.0 47.1	66.7	135	0.25	1.0	0.0	0.122	1.0	0.0	54.6	-54.2 38.4	66.5	144	0.25	1.0	0.0			
136	136	145	0.233	1.0	0.0	57.9	-48.3 45.8	66.5	136	0.241	1.0	0.0	58.1	-47.8 46.3	66.6	136	0.233	1.0	0.0	0.108	1.0	0.0	54.1	-55.4 37.6	67.0	145	0.233	1.0	0.0			
137	137	147	0.216	1.0	0.0	57.4	-49.2 44.7	66.5	137	0.227	1.0	0.0	57.7	-48.6 45.4	66.6	137	0.217	1.0	0.0	0.095	1.0	0.0	53.6	-56.6 36.7	67.6	147	0.217	1.0	0.0			
138	138	148	0.2	1.0	0.0	56.9	-50.1 43.6	66.5	138	0.213	1.0	0.0	57.3	-49.4 44.5	66.6	138	0.2	1.0	0.0	0.082	1.0	0.0	53.1	-57.8 35.8	68.1	148	0.2	1.0	0.0			
140	139	149	0.183	1.0	0.0	56.4	-51.0 42.5	66.4	140	0.2	1.0	0.0	56.9	-50.1 43.6	66.5	139	0.183	1.0	0.0	0.069	1.0	0.0	52.6	-59.0 34.9	68.6	149	0.183	1.0	0.0			
141	140	150	0.166	1.0	0.0	55.9	-51.9 41.4	66.4	141	0.186	1.0	0.0	56.5	-50.8 42.7	66.5	140	0.167	1.0	0.0	0.056	1.0	0.0	52.1	-60.1 34.0	69.2	150	0.167	1.0	0.0			
142	141	151	0.15	1.0	0.0	55.4	-52.7 40.3	66.4	142	0.172	1.0	0.0	56.1	-51.6 41.8	66.5	141	0.15	1.0	0.0	0.043	1.0	0.0	51.7	-61.3 33.0	69.7	151	0.15	1.0	0.0			
143	142	152	0.133	1.0	0.0	54.9	-53.5 39.1	66.3	143	0.159	1.0	0.0	55.7	-52.3 40.9	66.4	142	0.133	1.0	0.0	0.03	1.0	0.0	51.2	-62.4 32.0	70.2	152	0.133	1.0	0.0			
145	143	154	0.116	1.0	0.0	54.4	-54.7 38.0	66.6	145	0.145	1.0	0.0	55.3	-52.9 40.0	66.4	143	0.117	1.0	0.0	0.016	1.0	0.0	50.7	-63.5 30.9	70.8	154	0.117	1.0	0.0			
146	144	155	0.1	1.0	0.0	53.7	-56.2 37.0	67.3	146	0.131	1.0	0.0	54.9	-53.6 39.0	66.4	144	0.1	1.0	0.0	0.003	1.0	0.0	50.2	-64.6 29.9	71.3	155	0.1	1.0	0.0			
148	145	156	0.083	1.0	0.0	53.1	-57.7 35.9	68.0	148	0.119	1.0	0.0	54.5	-54.5 38.2	66.6	145	0.083	1.0	0.0	0.0	1.0	0.021	50.1	-64.6 28.3	70.6	156	0.083	1.0	0.0			
149	146	157	0.066	1.0	0.0	52.5	-59.2 34.7	68.7	149	0.107	1.0	0.0	54.1	-55.5 37.5	67.1	146	0.067	1.0	0.0	0.0	1.0	0.049	50.3	-64.2 26.5	69.5	157	0.067	1.0	0.0			
151	147	158	0.049	1.0	0.0	51.9	-60.7 33.5	69.4	151	0.096	1.0	0.0	53.7	-56.5 36.8	67.5	147	0.05	1.0	0.0	0.0	1.0	0.077	50.4	-63.7 24.8	68.4	158	0.05	1.0	0.0			
152	148	159	0.033	1.0	0.0	51.3	-62.2 32.2	70.0	152	0.085	1.0	0.0	53.2	-57.6 36.0	68.0	148	0.033	1.0	0.0	0.0	1.0	0.104	50.5	-63.1 23.1	67.3	159	0.033	1.0	0.0			
154	149	161	0.016	1.0	0.0	50.6	-63.6 30.9	70.7	154	0.074	1.0	0.0	52.8	-58.6 35.3	68.4	149	0.017	1.0	0.0	0.0	1.0	0.13	50.6	-62.6 21.5	66.3	161	0.017	1.0	0.0			
155	150	162	0.0	1.0	0.0	50.0	-65.0 29.6	71.4	155	G_d 0.062	1.0	0.0	52.4	-59.6 34.5	68.9	150	G_s 0.0	1.0	0.0	0.0	1.0	0.151	50.7	-62.0 19.9	65.2	162	G_e 0.0	1.0	0.0			
156	151	163	0.0	1.0	0.016	50.1	-64.7 28.5	70.7	156	0.051	1.0	0.0	52.0	-60.6 33.6	69.4	151	0.0	1.0	0.017	0.0	1.0	0.167	50.8	-61.6 18.7	64.4	163	0.0	1.0	0.017			
156	152	164	0.0	1.0	0.033	50.1	-64.5 27.4	70.1	156	0.04	1.0	0.0	51.5	-61.6 32.8	69.8	152	0.0	1.0	0.033	0.0	1.0	0.183	50.9	-61.1 17.5	63.6	164	0.0	1.0	0.033			
157	153	164	0.0	1.0	0.05	50.2	-64.2 26.4	69.4	157	0.028	1.0	0.0	51.1	-62.5 31.9	70.3	153	0.0	1.0	0.05	0.0	1.0	0.2	51.0	-60.6 16.3	62.8	164	0.0	1.0	0.05			
158	154	165	0.0	1.0.																												

Couleur maximale dans le système colorimétrique : Offset standard print; separation cmy0*, D65 pour l'entrée et sortie; Six angles de teinte à 60 degrés couleurs standard $RYGCBM_c$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six angles de teinte des couleurs périphériques $RYGCBM_d$: $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$; Six angles de teinte des couleurs élémentaires $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}	$LAB^*_{dsx361Mi}$ (x=LabCh)	$rgb^*_{ds361Mi}$	$LAB^*_{dsx361Mi}$ (x=LabCh)	$rgb^*_{dd361Mi}$	$rgb^*_{de361Mi}$	$LAB^*_{dex361Mi}$ (x=LabCh)	$rgb^*_{dd361Mi}$	$rgb^*_{de361Mi}$	$rgb^*_{dd361Mi}$	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
167	165	175	0.0	1.0	0.25	51.2	-58.9 12.7	60.3	167	0.0	1.0	0.25	0.0	1.0	0.25
168	166	176	0.0	1.0	0.266	51.3	-58.4 11.3	59.5	168	0.0	1.0	0.267	0.0	1.0	0.267
170	167	177	0.0	1.0	0.283	51.4	-57.9 10.0	58.8	170	0.0	1.0	0.283	0.0	1.0	0.283
171	168	178	0.0	1.0	0.3	51.5	-57.3 8.7	58.0	171	0.0	1.0	0.3	0.0	1.0	0.3
172	169	179	0.0	1.0	0.316	51.6	-56.8 7.4	57.3	172	0.0	1.0	0.317	0.0	1.0	0.317
173	170	180	0.0	1.0	0.333	51.7	-56.2 6.1	56.5	173	0.0	1.0	0.333	0.0	1.0	0.333
174	171	181	0.0	1.0	0.35	51.8	-55.5 4.9	55.8	174	0.0	1.0	0.35	0.0	1.0	0.35
176	172	182	0.0	1.0	0.366	51.9	-54.9 3.7	55.0	176	0.0	1.0	0.367	0.0	1.0	0.367
177	173	183	0.0	1.0	0.383	52.0	-54.2 2.3	54.3	177	0.0	1.0	0.383	0.0	1.0	0.383
179	174	184	0.0	1.0	0.4	52.2	-53.6 0.7	53.6	179	0.0	1.0	0.4	0.0	1.0	0.4
180	175	185	0.0	1.0	0.416	52.3	-52.8 -0.8	52.9	180	0.0	1.0	0.417	0.0	1.0	0.417
182	176	185	0.0	1.0	0.433	52.4	-52.1 -2.3	52.1	182	0.0	1.0	0.433	0.0	1.0	0.433
184	177	186	0.0	1.0	0.45	52.6	-51.3 -3.8	51.4	184	0.0	1.0	0.45	0.0	1.0	0.45
185	178	187	0.0	1.0	0.466	52.7	-50.4 -5.3	50.7	185	0.0	1.0	0.467	0.0	1.0	0.467
187	179	188	0.0	1.0	0.483	52.8	-49.6 -6.6	50.0	187	0.0	1.0	0.483	0.0	1.0	0.483
189	180	189	0.0	1.0	0.5	52.9	-48.6 -8.0	49.3	189	0.0	1.0	0.5	0.0	1.0	0.5
191	181	190	0.0	1.0	0.516	53.1	-47.9 -9.5	48.9	191	0.0	1.0	0.517	0.0	1.0	0.517
193	182	191	0.0	1.0	0.533	53.2	-47.2 -10.9	48.4	193	0.0	1.0	0.533	0.0	1.0	0.533
194	183	192	0.0	1.0	0.55	53.4	-46.4 -12.3	48.0	194	0.0	1.0	0.55	0.0	1.0	0.55
196	184	193	0.0	1.0	0.566	53.5	-45.6 -13.7	47.6	196	0.0	1.0	0.567	0.0	1.0	0.567
198	185	194	0.0	1.0	0.583	53.6	-44.7 -15.0	47.1	198	0.0	1.0	0.583	0.0	1.0	0.583
200	186	195	0.0	1.0	0.6	53.8	-43.8 -16.3	46.7	200	0.0	1.0	0.6	0.0	1.0	0.6
202	187	195	0.0	1.0	0.616	53.9	-42.8 -17.5	46.3	202	0.0	1.0	0.617	0.0	1.0	0.617
204	188	196	0.0	1.0	0.633	54.1	-42.0 -18.8	46.0	204	0.0	1.0	0.633	0.0	1.0	0.633
206	189	197	0.0	1.0	0.65	54.2	-41.2 -20.1	45.9	206	0.0	1.0	0.65	0.0	1.0	0.65
207	190	198	0.0	1.0	0.666	54.3	-40.5 -21.4	45.8	207	0.0	1.0	0.667	0.0	1.0	0.667
209	191	199	0.0	1.0	0.683	54.5	-39.7 -22.7	45.7	209	0.0	1.0	0.683	0.0	1.0	0.683
211	192	200	0.0	1.0	0.7	54.6	-38.8 -23.9	45.6	211	0.0	1.0	0.7	0.0	1.0	0.7
213	193	201	0.0	1.0	0.716	54.7	-37.9 -25.1	45.5	213	0.0	1.0	0.717	0.0	1.0	0.717
215	194	202	0.0	1.0	0.733	54.9	-37.0 -26.3	45.4	215	0.0	1.0	0.733	0.0	1.0	0.733
217	195	203	0.0	1.0	0.75	55.0	-36.0 -27.4	45.3	217	0.0	1.0	0.75	0.0	1.0	0.75
218	196	204	0.0	1.0	0.766	55.1	-35.4 -28.4	45.4	218	0.0	1.0	0.767	0.0	1.0	0.767
220	197	205	0.0	1.0	0.783	55.2	-34.7 -29.4	45.5	220	0.0	1.0	0.783	0.0	1.0	0.783
221	198	206	0.0	1.0	0.8	55.3	-34.0 -30.3	45.6	221	0.0	1.0	0.8	0.0	1.0	0.8
223	199	206	0.0	1.0	0.816	55.4	-33.3 -31.3	45.7	223	0.0	1.0	0.817	0.0	1.0	0.817
224	200	207	0.0	1.0	0.833	55.6	-32.6 -32.2	45.9	224	0.0	1.0	0.833	0.0	1.0	0.833
226	201	208	0.0	1.0	0.85	55.7	-31.8 -33.1	46.0	226	0.0	1.0	0.85	0.0	1.0	0.85
227	202	209	0.0	1.0	0.866	55.8	-31.1 -34.0	46.1	227	0.0	1.0	0.867	0.0	1.0	0.867
229	203	210	0.0	1.0	0.883	55.9	-30.4 -35.0	46.3	229	0.0	1.0	0.883	0.0	1.0	0.883
230	204	211	0.0	1.0	0.9	56.0	-29.7 -35.9	46.7	230	0.0	1.0	0.9	0.0	1.0	0.9
231	205	212	0.0	1.0	0.916	56.1	-29.1 -36.9	47.0	231	0.0	1.0	0.917	0.0	1.0	0.917
233	206	213	0.0	1.0	0.933	56.3	-28.4 -37.8	47.3	233	0.0	1.0	0.933	0.0	1.0	0.933
234	207	214	0.0	1.0	0.95	56.4	-27.7 -38.8	47.7	234	0.0	1.0	0.95	0.0	1.0	0.95
235	208	215	0.0	1.0	0.966	56.5	-27.0 -39.7	48.0	235	0.0	1.0	0.967	0.0	1.0	0.967
237	209	216	0.0	1.0	0.983	56.6	-26.2 -40.6	48.3	237	0.0	1.0	0.983	0.0	1.0	0.983
238	210	216	0.0	1.0	1.0	56.8	-25.5 -41.5	48.7	238	0.0	1.0	1.0	0.0	1.0	1.0

3-1131231-L0 QF180-73 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

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

graphique TUB-QF18; code de teinte: $H^*_e=R50Y_e$
cercle chromatique 48 paliers; tableaux $rgb-LabCh^*$

entrée : $rgb/cmyk \rightarrow rgb_{de}$
sortie : linéarisation 3D selon $cmy0^*_{de}$

voir fichiers similaires: <http://130.149.60.45/~farbmetrik/QF18/QF18.HTM>
informations techniques: <http://www.ps.bam.de> ou <http://130.149.60.45/~farbmetrik>

TUB enregistrement: 20130201-QF18/QF18L0FP.PDF /.PS
application pour la mesure des sorties sur offset, séparation cmy0* (CMY0)
TUB matériel: code=rha4ta

TUB enregistrement: 20130201-QF18/QF18L0FP.PDF / .PS TUB matériel: code=rh4ta
application pour la mesure des sorties sur offset, séparation cmY0* (CMY0)

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

entrée : $rgb/cmyk \rightarrow rgb_{de}$
 sortie : linéarisation 3D selon $cmy0^*_{de}$

Couleur maximale dans le système colorimétrique : Offset standard print; separation cmy0*, D65 pour l'entrée et sortie; Six angles de teinte à 60 degrés couleurs standard RYGBM_c: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six angles de teinte des couleurs périphériques RYGBM_d: $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$; Six angles de teinte des couleurs élémentaires 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* _{dd361M}			LAB* _{dsx361Mi} (x=LabCh)				rgb* _{ds361Mi}			LAB* _{dsx361Mi} (x=LabCh)				rgb* _{dd361Mi}			rgb* _{de361Mi}				LAB* _{dex361Mi} (x=LabCh)				rgb* _{dd361Mi}			rgb* _{ad}	rgb* _{ds}	rgb* _{de}		
289	255	258	0.0	0.25	1.0	32.8	14.3	-40.2	42.7	289	0.0	0.657	1.0	47.5	-10.9	-40.9	42.5	255	0.0	0.25	1.0	0.0	0.613	1.0	46.1	-8.6	-40.8	41.9	258	0.0	0.25	1.0			
290	256	258	0.0	0.233	1.0	32.2	15.3	-40.3	43.1	290	0.0	0.641	1.0	47.0	-10.1	-40.9	42.2	256	0.0	0.233	1.0	0.0	0.603	1.0	45.7	-7.9	-40.9	41.7	258	0.0	0.233	1.0			
292	257	259	0.0	0.216	1.0	31.7	16.4	-40.3	43.6	292	0.0	0.624	1.0	46.5	-9.3	-40.8	42.0	257	0.0	0.217	1.0	0.0	0.593	1.0	45.3	-7.2	-40.9	41.6	259	0.0	0.217	1.0			
293	258	260	0.0	0.2	1.0	31.1	17.5	-40.4	44.0	293	0.0	0.613	1.0	46.1	-8.6	-40.8	41.9	258	0.0	0.2	1.0	0.0	0.583	1.0	44.9	-6.6	-40.9	41.5	260	0.0	0.2	1.0			
294	259	261	0.0	0.183	1.0	30.6	18.5	-40.4	44.5	294	0.0	0.602	1.0	45.7	-7.9	-40.9	41.7	259	0.0	0.183	1.0	0.0	0.573	1.0	44.5	-5.9	-40.9	41.4	261	0.0	0.183	1.0			
295	260	262	0.0	0.166	1.0	30.0	19.6	-40.4	44.9	295	0.0	0.591	1.0	45.3	-7.1	-40.9	41.6	260	0.0	0.167	1.0	0.0	0.562	1.0	44.1	-5.2	-40.9	41.3	262	0.0	0.167	1.0			
297	261	263	0.0	0.15	1.0	29.5	20.7	-40.4	45.4	297	0.0	0.58	1.0	44.8	-6.4	-40.9	41.5	261	0.0	0.15	1.0	0.0	0.552	1.0	43.7	-4.5	-40.9	41.2	263	0.0	0.15	1.0			
298	262	264	0.0	0.133	1.0	28.9	21.8	-40.3	45.8	298	0.0	0.569	1.0	44.4	-5.7	-40.9	41.4	262	0.0	0.133	1.0	0.0	0.542	1.0	43.4	-3.9	-40.8	41.1	264	0.0	0.133	1.0			
299	263	265	0.0	0.116	1.0	28.4	22.8	-40.3	46.3	299	0.0	0.558	1.0	44.0	-4.9	-40.9	41.3	263	0.0	0.117	1.0	0.0	0.532	1.0	43.0	-3.2	-40.8	41.0	265	0.0	0.117	1.0			
300	264	266	0.0	0.1	1.0	27.9	23.8	-40.4	46.9	300	0.0	0.547	1.0	43.5	-4.2	-40.8	41.2	264	0.0	0.1	1.0	0.0	0.522	1.0	42.6	-2.6	-40.7	40.9	266	0.0	0.1	1.0			
301	265	267	0.0	0.083	1.0	27.4	24.7	-40.4	47.4	301	0.0	0.536	1.0	43.1	-3.5	-40.8	41.1	265	0.0	0.083	1.0	0.0	0.512	1.0	42.2	-1.9	-40.7	40.8	267	0.0	0.083	1.0			
302	266	268	0.0	0.066	1.0	26.9	25.7	-40.4	47.9	302	0.0	0.525	1.0	42.7	-2.8	-40.7	40.9	266	0.0	0.067	1.0	0.0	0.502	1.0	41.8	-1.3	-40.6	40.7	268	0.0	0.067	1.0			
303	267	269	0.0	0.049	1.0	26.5	26.6	-40.5	48.4	303	0.0	0.514	1.0	42.3	-2.0	-40.7	40.8	267	0.0	0.05	1.0	0.0	0.491	1.0	41.4	-0.6	-40.6	40.7	269	0.0	0.05	1.0			
304	268	269	0.0	0.033	1.0	26.0	27.6	-40.4	49.0	304	0.0	0.503	1.0	41.8	-1.3	-40.6	40.7	268	0.0	0.033	1.0	0.0	0.48	1.0	41.0	0.0	-40.6	40.7	269	0.0	0.033	1.0			
305	269	270	0.0	0.016	1.0	25.5	28.6	-40.4	49.5	305	0.0	0.491	1.0	41.4	-0.6	-40.6	40.7	269	0.0	0.017	1.0	0.0	0.469	1.0	40.6	0.6	-40.6	40.7	270	0.0	0.017	1.0			
306	270	271	0.0	0.0	1.0	25.0	29.5	-40.4	50.0	306	B_d 0.0	0.479	1.0	41.0	0.0	-40.6	40.7	270	B_s 0.0	0.0	1.0	0.0	0.458	1.0	40.3	1.2	-40.6	40.7	271	B_e 0.0	0.0	1.0			
307	271	272	0.016	0.0	1.0	25.4	30.4	-39.9	50.2	307	0.0	0.467	1.0	40.6	0.7	-40.6	40.7	271	0.017	0.0	1.0	0.0	0.447	1.0	39.9	1.9	-40.5	40.7	272	0.017	0.0	1.0			
308	272	273	0.033	0.0	1.0	25.8	31.3	-39.4	50.4	308	0.0	0.455	1.0	40.2	1.4	-40.6	40.7	272	0.033	0.0	1.0	0.0	0.435	1.0	39.5	2.6	-40.5	40.7	273	0.033	0.0	1.0			
309	273	274	0.05	0.0	1.0	26.2	32.2	-38.9	50.5	309	0.0	0.443	1.0	39.7	2.1	-40.5	40.7	273	0.05	0.0	1.0	0.0	0.424	1.0	39.1	3.3	-40.5	40.7	274	0.05	0.0	1.0			
310	274	275	0.066	0.0	1.0	26.5	33.1	-38.4	50.7	310	0.0	0.431	1.0	39.3	2.8	-40.5	40.7	274	0.067	0.0	1.0	0.0	0.413	1.0	38.7	3.9	-40.4	40.7	275	0.067	0.0	1.0			
311	275	276	0.083	0.0	1.0	26.9	33.9	-37.8	50.8	311	0.0	0.419	1.0	38.9	3.5	-40.4	40.7	275	0.083	0.0	1.0	0.0	0.401	1.0	38.3	4.6	-40.3	40.7	276	0.083	0.0	1.0			
313	276	277	0.1	0.0	1.0	27.3	34.8	-37.3	51.0	313	0.0	0.407	1.0	38.5	4.3	-40.4	40.7	276	0.1	0.0	1.0	0.0	0.39	1.0	37.9	5.3	-40.3	40.7	277	0.1	0.0	1.0			
314	277	278	0.116	0.0	1.0	27.7	35.6	-36.7	51.1	314	0.0	0.395	1.0	38.1	5.0	-40.3	40.7	277	0.117	0.0	1.0	0.0	0.378	1.0	37.5	5.9	-40.2	40.7	278	0.117	0.0	1.0			
315	278	279	0.133	0.0	1.0	27.9	36.4	-36.2	51.3	315	0.0	0.383	1.0	37.6	5.7	-40.2	40.7	278	0.133	0.0	1.0	0.0	0.367	1.0	37.1	6.6	-40.2	40.8	279	0.133	0.0	1.0			
316	279	280	0.15	0.0	1.0	28.1	37.2	-35.7	51.6	316	0.0	0.371	1.0	37.2	6.4	-40.2	40.8	279	0.15	0.0	1.0	0.0	0.357	1.0	36.7	7.3	-40.2	41.0	280	0.15	0.0	1.0			
317	280	281	0.166	0.0	1.0	28.2	38.0	-35.2	51.9	317	0.0	0.36	1.0	36.8	7.1	-40.2	41.0	280	0.167	0.0	1.0	0.0	0.346	1.0	36.3	8.0	-40.3	41.2	281	0.167	0.0	1.0			
318	281	282	0.183	0.0	1.0	28.3	38.8	-34.7	52.1	318	0.0	0.348	1.0	36.4	7.8	-40.3	41.1	281	0.183	0.0	1.0	0.0	0.335	1.0	35.9	8.7	-40.3	41.3	282	0.183	0.0	1.0			
319	282	283	0.2	0.0	1.0	28.5	39.6	-34.2	52.4	319	0.0	0.337	1.0	36.0	8.6	-40.3	41.3	282	0.2	0.0	1.0	0.0	0.324	1.0	35.5	9.4	-40.3	41.5	283	0.2	0.0	1.0			
320	283	284	0.216	0.0	1.0	28.6	40.4	-33.7	52.6	320	0.0	0.326	1.0	35.6	9.3	-40.3	41.5	283	0.217	0.0	1.0	0.0	0.313	1.0	35.1	10.1	-40.3	41.7	284	0.217	0.0	1.0			
321	284	285	0.233	0.0	1.0	28.7	41.2	-33.1	52.9	321	0.0	0.314	1.0	35.2	10.1	-40.3	41.7	284	0.233	0.0	1.0	0.0	0.303	1.0	34.8	10.8	-40.3	41.9	285	0.233	0.0	1.0			
322	285	285	0.25	0.0	1.0	28.8	41.9	-32.5	53.1	322	0.0	0.303	1.0	34.8	10.8	-40.3	41.9	285	0.25	0.0	1.0	0.0	0.292	1.0	34.4	11.6	-40.3	42.0	285	0.25	0.0	1.0			
323	286	286	0.266	0.0	1.0	29.4	43.3	-31.8	53.8	323	0.0	0.291	1.0	34.3	11.6	-40.3	42.0	286	0.267	0.0	1.0	0.0	0.281	1.0	34.0	12.3	-40.3	42.2	286	0.267	0.0	1.0			
325	287	287	0.283	0.0	1.0	29.9	44.7	-31.1	54.4	325	0.0	0.28	1.0	33.9	12.3	-40.3	42.2	287	0.283	0.0	1.0	0.0	0.27	1.0	33.6	13.0	-40.2	42.4	287	0.283	0.0	1.0			
326	288	288	0.3	0.0	1.0	30.4	46.0	-30.3	55.1	326	0.0	0.269																							

Couleur maximale dans le système colorimétrique : Offset standard print; separation cmy0*, D65 pour l'entrée et sortie; Six angles de teinte à 60 degrés couleurs standard $RYGCBM_c$; $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six angles de teinte des couleurs périphériques $RYGCBM_d$; $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$; Six angles de teinte des couleurs élémentaires $RYGCBM_e$; $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

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

3-1131531-L0 QF180-73 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

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

graphique TUB-QF18; code de teinte: $H^*_e=R50Y_e$
cercle chromatique 48 paliers; tableaux $rgb-LabCh^*$

entrée : $rgb/cmyk \rightarrow rgb_{de}$
sortie : linéarisation 3D selon $cmy0^*_{de}$

3-1131531-F0

TUB enregistrement: 20130201-QF18/QF18L0FP.PDF /PS
application pour la mesure des sorties sur offset, séparation cmy0* (CMY0)
TUB matériel: code=rha4ta

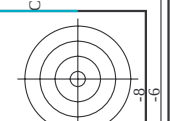
Couleur maximale dans le système colorimétrique : Offset standard print; séparation CMYK*, D65 pour l'entrée et sortie; Six angles de teinte à 60 degrés couleurs standard $RYGBM_s$; $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$; Six angles de teinte des couleurs périphériques $RYGBM_p$; $h_{ab,p} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$; Six angles de teinte des couleurs élémentaires $RYGBM_e$; $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

[illegible]

graphique TUB-QF18; code de teinte: $H^*_e=R50Y_e$
cercle chromatique 48 paliers; tableaux *rgb-LabCh**

entrée : $rgb/cmyk \rightarrow rgb_{de}$
 sortie : linéarisation 3D selon $cmy0^*_{de}$

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



http://130.149.60.45/~farbmatrik/QF18/QF18L0FP.PDF /.PS; linéarisation 3D
F: linéarisation 3D QF18/QF18L0FP.DAT dans fichier (F), page 23/33

n	HIC*Fide	rgb_Fide	icL_Fide	hsa_Fide	rgb*Fide	LabCh*Fide	cmyn*sup_Fide	hsm*de	rgb*Wide	LabCh*Wide
243	R00Y.037.037de	0.375 0.0 0.0	0.375 0.375 0.187	390	0.375 0.0 0.095	32.3 27.0	0.671 0.921	0.895 0.0	1.0 0.0 0.254	456 72.2 34.4
244	R18Y.037.037de	0.375 0.0 0.125	0.375 0.375 0.187	390	0.375 0.0 0.31	32.4 27.0	0.68 0.92	0.651 0.0	1.0 0.0 0.827	456 72.2 34.4
245	B65R.037.037de	0.375 0.0 0.25	0.375 0.375 0.187	349	0.226 0.0 0.375	29.3 24.1	0.68 0.92	0.651 0.0	1.0 0.0 0.63	456 72.2 34.4
246	B65R.037.037de	0.375 0.0 0.375	0.375 0.375 0.187	340	0.12 0.0 0.375	26.9 17.1	0.68 0.92	0.651 0.0	1.0 0.0 0.316	456 72.2 34.4
247	B38R.050.050de	0.375 0.0 0.5	0.375 0.375 0.187	306	0.067 0.0 0.5	26.1 18.2	0.68 0.92	0.651 0.0	1.0 0.0 0.279	456 72.2 34.4
248	B38R.050.050de	0.375 0.0 0.625	0.375 0.375 0.187	317	0.005 0.0 0.625	24.9 18.7	0.68 0.92	0.651 0.0	1.0 0.0 0.365	456 72.2 34.4
249	B20R.075.075de	0.375 0.0 0.75	0.375 0.375 0.187	305	0.0 0.079 0.75	27.1 17.6	0.68 0.92	0.651 0.0	1.0 0.0 0.252	456 72.2 34.4
250	B20R.075.075de	0.375 0.0 0.875	0.375 0.375 0.187	295	0.0 0.151 0.875	29.5 16.8	0.68 0.92	0.651 0.0	1.0 0.0 0.105	456 72.2 34.4
251	B18R.100.100de	0.375 0.0 1.0	0.375 0.375 0.187	292	0.0 0.21 1.0	31.3 16.8	0.68 0.92	0.651 0.0	1.0 0.0 0.173	456 72.2 34.4
252	R31Y.037.037de	0.375 0.125 0.0	0.375 0.375 0.187	49	0.375 0.092 0.0	35.3 19.6	0.68 0.92	0.651 0.0	1.0 0.0 0.246	456 72.2 34.4
253	R00Y.037.037de	0.375 0.125 0.125	0.375 0.375 0.187	390	0.375 0.124 0.188	38.6 18.0	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
254	R00Y.037.037de	0.375 0.125 0.25	0.375 0.375 0.187	360	0.309 0.124 0.375	37.5 17.6	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
255	B38R.050.050de	0.375 0.125 0.375	0.375 0.375 0.187	330	0.205 0.124 0.375	34.9 11.9	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
256	B38R.050.050de	0.375 0.125 0.5	0.375 0.375 0.187	311	0.149 0.124 0.5	34.0 12.3	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
257	B20R.075.075de	0.375 0.125 0.625	0.375 0.375 0.187	303	0.125 0.177 0.625	35.1 11.7	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
258	B20R.075.075de	0.375 0.125 0.75	0.375 0.375 0.187	293	0.125 0.248 0.75	37.4 11.0	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
259	B18R.100.100de	0.375 0.125 0.875	0.375 0.375 0.187	289	0.125 0.31 0.875	39.6 10.8	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
260	B18R.100.100de	0.375 0.125 1.0	0.375 0.375 0.187	286	0.125 0.37 1.0	41.6 10.7	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
261	R65Y.037.037de	0.375 0.25 0.0	0.375 0.375 0.187	71	0.375 0.203 0.0	40.5 9.2	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
262	R00Y.037.037de	0.375 0.25 0.125	0.375 0.375 0.187	390	0.375 0.224 0.124	42.2 9.5	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
263	R00Y.037.037de	0.375 0.25 0.25	0.375 0.375 0.187	360	0.375 0.249 0.281	44.8 9.0	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
264	B38R.050.050de	0.375 0.25 0.375	0.375 0.375 0.187	330	0.249 0.276 0.5	43.1 5.8	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
265	B38R.050.050de	0.375 0.25 0.5	0.375 0.375 0.187	306	0.25 0.343 0.625	45.3 5.4	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
266	B20R.075.075de	0.375 0.25 0.625	0.375 0.375 0.187	289	0.25 0.401 0.75	47.3 5.4	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
267	B20R.075.075de	0.375 0.25 0.75	0.375 0.375 0.187	284	0.25 0.459 0.875	49.4 5.4	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
268	B18R.100.100de	0.375 0.25 0.875	0.375 0.375 0.187	279	0.25 0.517 1.0	51.4 5.4	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
269	B18R.100.100de	0.375 0.25 1.0	0.375 0.375 0.187	276	0.25 0.575 1.0	54.0 5.4	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
270	Y00C.037.037de	0.375 0.375 0.0	0.375 0.375 0.187	90	0.375 0.329 0.0	46.5 -1.3	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
271	Y00C.037.037de	0.375 0.375 0.125	0.375 0.375 0.187	90	0.375 0.344 0.124	48.0 -0.9	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
272	Y00C.037.037de	0.375 0.375 0.25	0.375 0.375 0.187	90	0.375 0.359 0.249	49.5 -0.4	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
273	NW.037de	0.375 0.375 0.375	0.375 0.375 0.187	360	0.375 0.432 0.5	53.0 0.1	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
274	B00R.050.012de	0.375 0.375 0.5	0.375 0.375 0.187	270	0.375 0.489 0.625	55.0 0.3	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
275	B00R.050.012de	0.375 0.375 0.625	0.375 0.375 0.187	250	0.375 0.546 0.75	57.0 0.4	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
276	B00R.050.012de	0.375 0.375 0.75	0.375 0.375 0.187	230	0.375 0.604 0.875	59.0 0.6	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
277	B00R.050.012de	0.375 0.375 0.875	0.375 0.375 0.187	210	0.375 0.661 1.0	61.0 0.7	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
278	B00R.100.062de	0.375 0.375 1.0	0.375 0.375 0.187	200	0.375 0.732 1.0	63.6 0.7	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
279	Y31G.050.037de	0.375 0.5 0.0	0.375 0.375 0.187	109	0.302 0.5 0.0	49.4 -12.5	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
280	Y31G.050.037de	0.375 0.5 0.125	0.375 0.375 0.187	121	0.33 0.5 0.124	50.5 -11.2	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
281	Y31G.050.037de	0.375 0.5 0.25	0.375 0.375 0.187	134	0.35 0.5 0.249	51.7 -10.2	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
282	G00B.050.012de	0.375 0.5 0.375	0.375 0.375 0.187	150	0.375 0.5 0.393	54.3 -7.7	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
283	G00B.050.012de	0.375 0.5 0.5	0.375 0.375 0.187	134	0.375 0.586 0.625	58.3 -4.9	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
284	G43B.062.025de	0.375 0.5 0.625	0.375 0.375 0.187	251	0.375 0.625 0.75	59.8 -4.4	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
285	G43B.062.025de	0.375 0.5 0.75	0.375 0.375 0.187	230	0.375 0.676 0.875	61.7 -3.9	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
286	G88B.087.050de	0.375 0.5 0.875	0.375 0.375 0.187	256	0.375 0.732 1.0	63.6 0.7	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
287	G88B.087.050de	0.375 0.5 1.0	0.375 0.375 0.187	230	0.375 0.732 1.0	63.6 0.7	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
288	Y38C.062.062de	0.375 0.625 0.0	0.375 0.375 0.187	113	0.258 0.625 0.0	51.1 -21.2	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
289	Y38C.062.062de	0.375 0.625 0.125	0.375 0.375 0.187	131	0.286 0.625 0.125	52.4 -20.4	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
290	Y68C.062.037de	0.375 0.625 0.25	0.375 0.375 0.187	131	0.319 0.625 0.25	54.2 -19.1	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
291	G00B.062.025de	0.375 0.625 0.375	0.375 0.375 0.187	150	0.375 0.625 0.412	57.6 -15.5	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
292	G25B.062.025de	0.375 0.625 0.5	0.375 0.375 0.187	180	0.375 0.625 0.5	58.2 -12.1	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
293	G25B.062.025de	0.375 0.625 0.625	0.375 0.375 0.187	210	0.375 0.625 0.625	58.2 -12.1	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
294	G55B.075.037de	0.375 0.625 0.75	0.375 0.375 0.187	229	0.375 0.732 1.0	63.6 0.7	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
295	G55B.075.037de	0.375 0.625 0.875	0.375 0.375 0.187	240	0.375 0.732 1.0	63.6 0.7	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
296	G80B.100.062de	0.375 0.625 1.0	0.375 0.375 0.187	247	0.375 0.732 1.0	63.6 0.7	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
297	Y38C.075.075de	0.375 0.75 0.0	0.375 0.375 0.187	127	0.241 0.75 0.0	53.0 -30.7	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
298	Y38C.075.075de	0.375 0.75 0.125	0.375 0.375 0.187	136	0.28 0.75 0.125	54.5 -29.6	0.68 0.92	0.651 0.0	1.0 0.0 0.254	456 72.2 34.4
299	Y66C.075.050de	0.375 0.75 0.25	0.375 0.375 0.187	150	0.304 0.75 0.25					

http://130.149.60.45/~farbmetrik/QF18/QF18L0FP.PDF /.PS; linéarisation 3D F: linéarisation 3D QF18/QF18L0FP.DAT dans fichier (F), page 25/33

n	HVC*File	rgb*File	lcr*File	hsa*File	rgb*File	LabCh*File	cmyk*SepFile	hsv*File	delta
405	R00Y.062.062a	0.625 0.0	0.625 0.312	390	0.625 0.0	159 37.6	0.94	0.851	0.0
406	R00Y.062.062a	0.625 0.0	0.625 0.312	379	0.625 0.0	356 37.8	0.446	0.851	0.0
407	R00Y.062.062a	0.625 0.0	0.625 0.312	367	0.625 0.0	342 37.9	0.447	0.851	0.0
408	R00Y.062.062a	0.625 0.0	0.625 0.312	353	0.625 0.0	329 38.2	0.447	0.851	0.0
409	R00Y.062.062a	0.625 0.0	0.625 0.312	341	0.625 0.0	316 38.5	0.447	0.851	0.0
410	R00Y.062.062a	0.625 0.0	0.625 0.312	330	0.625 0.0	304 38.8	0.447	0.851	0.0
411	R00Y.062.062a	0.625 0.0	0.625 0.312	319	0.625 0.0	292 39.1	0.447	0.851	0.0
412	R00Y.062.062a	0.625 0.0	0.625 0.312	308	0.625 0.0	280 39.4	0.447	0.851	0.0
413	R00Y.062.062a	0.625 0.0	0.625 0.312	297	0.625 0.0	268 39.7	0.447	0.851	0.0
414	R00Y.062.062a	0.625 0.0	0.625 0.312	286	0.625 0.0	256 40.0	0.447	0.851	0.0
415	R00Y.062.062a	0.625 0.0	0.625 0.312	275	0.625 0.0	244 40.3	0.447	0.851	0.0
416	R00Y.062.062a	0.625 0.0	0.625 0.312	264	0.625 0.0	232 40.6	0.447	0.851	0.0
417	R00Y.062.062a	0.625 0.0	0.625 0.312	253	0.625 0.0	220 40.9	0.447	0.851	0.0
418	R00Y.062.062a	0.625 0.0	0.625 0.312	242	0.625 0.0	208 41.2	0.447	0.851	0.0
419	R00Y.062.062a	0.625 0.0	0.625 0.312	231	0.625 0.0	196 41.5	0.447	0.851	0.0
420	R00Y.062.062a	0.625 0.0	0.625 0.312	220	0.625 0.0	184 41.8	0.447	0.851	0.0
421	R00Y.062.062a	0.625 0.0	0.625 0.312	209	0.625 0.0	172 42.1	0.447	0.851	0.0
422	R00Y.062.062a	0.625 0.0	0.625 0.312	198	0.625 0.0	160 42.4	0.447	0.851	0.0
423	R00Y.062.062a	0.625 0.0	0.625 0.312	187	0.625 0.0	148 42.7	0.447	0.851	0.0
424	R00Y.062.062a	0.625 0.0	0.625 0.312	176	0.625 0.0	136 43.0	0.447	0.851	0.0
425	R00Y.062.062a	0.625 0.0	0.625 0.312	165	0.625 0.0	124 43.3	0.447	0.851	0.0
426	R00Y.062.062a	0.625 0.0	0.625 0.312	154	0.625 0.0	112 43.6	0.447	0.851	0.0
427	R00Y.062.062a	0.625 0.0	0.625 0.312	143	0.625 0.0	100 43.9	0.447	0.851	0.0
428	R00Y.062.062a	0.625 0.0	0.625 0.312	132	0.625 0.0	88 44.2	0.447	0.851	0.0
429	R00Y.062.062a	0.625 0.0	0.625 0.312	121	0.625 0.0	76 44.5	0.447	0.851	0.0
430	R00Y.062.062a	0.625 0.0	0.625 0.312	110	0.625 0.0	64 44.8	0.447	0.851	0.0
431	R00Y.062.062a	0.625 0.0	0.625 0.312	99	0.625 0.0	52 45.1	0.447	0.851	0.0
432	R00Y.062.062a	0.625 0.0	0.625 0.312	88	0.625 0.0	40 45.4	0.447	0.851	0.0
433	R00Y.062.062a	0.625 0.0	0.625 0.312	77	0.625 0.0	28 45.7	0.447	0.851	0.0
434	R00Y.062.062a	0.625 0.0	0.625 0.312	66	0.625 0.0	16 46.0	0.447	0.851	0.0
435	R00Y.062.062a	0.625 0.0	0.625 0.312	55	0.625 0.0	4 46.3	0.447	0.851	0.0
436	R00Y.062.062a	0.625 0.0	0.625 0.312	44	0.625 0.0	-8 46.6	0.447	0.851	0.0
437	R00Y.062.062a	0.625 0.0	0.625 0.312	33	0.625 0.0	-20 46.9	0.447	0.851	0.0
438	R00Y.062.062a	0.625 0.0	0.625 0.312	22	0.625 0.0	-32 47.2	0.447	0.851	0.0
439	R00Y.062.062a	0.625 0.0	0.625 0.312	11	0.625 0.0	-44 47.5	0.447	0.851	0.0
440	R00Y.062.062a	0.625 0.0	0.625 0.312	0	0.625 0.0	-56 47.8	0.447	0.851	0.0
441	R00Y.062.062a	0.625 0.0	0.625 0.312	-11	0.625 0.0	-68 48.1	0.447	0.851	0.0
442	R00Y.062.062a	0.625 0.0	0.625 0.312	-22	0.625 0.0	-80 48.4	0.447	0.851	0.0
443	R00Y.062.062a	0.625 0.0	0.625 0.312	-33	0.625 0.0	-92 48.7	0.447	0.851	0.0
444	R00Y.062.062a	0.625 0.0	0.625 0.312	-44	0.625 0.0	-104 49.0	0.447	0.851	0.0
445	R00Y.062.062a	0.625 0.0	0.625 0.312	-55	0.625 0.0	-116 49.3	0.447	0.851	0.0
446	R00Y.062.062a	0.625 0.0	0.625 0.312	-66	0.625 0.0	-128 49.6	0.447	0.851	0.0
447	R00Y.062.062a	0.625 0.0	0.625 0.312	-77	0.625 0.0	-140 49.9	0.447	0.851	0.0
448	R00Y.062.062a	0.625 0.0	0.625 0.312	-88	0.625 0.0	-152 50.2	0.447	0.851	0.0
449	R00Y.062.062a	0.625 0.0	0.625 0.312	-99	0.625 0.0	-164 50.5	0.447	0.851	0.0
450	R00Y.062.062a	0.625 0.0	0.625 0.312	-110	0.625 0.0	-176 50.8	0.447	0.851	0.0
451	R00Y.062.062a	0.625 0.0	0.625 0.312	-121	0.625 0.0	-188 51.1	0.447	0.851	0.0
452	R00Y.062.062a	0.625 0.0	0.625 0.312	-132	0.625 0.0	-200 51.4	0.447	0.851	0.0
453	R00Y.062.062a	0.625 0.0	0.625 0.312	-143	0.625 0.0	-212 51.7	0.447	0.851	0.0
454	R00Y.062.062a	0.625 0.0	0.625 0.312	-154	0.625 0.0	-224 52.0	0.447	0.851	0.0
455	R00Y.062.062a	0.625 0.0	0.625 0.312	-165	0.625 0.0	-236 52.3	0.447	0.851	0.0
456	R00Y.062.062a	0.625 0.0	0.625 0.312	-176	0.625 0.0	-248 52.6	0.447	0.851	0.0
457	R00Y.062.062a	0.625 0.0	0.625 0.312	-187	0.625 0.0	-260 52.9	0.447	0.851	0.0
458	R00Y.062.062a	0.625 0.0	0.625 0.312	-198	0.625 0.0	-272 53.2	0.447	0.851	0.0
459	R00Y.062.062a	0.625 0.0	0.625 0.312	-209	0.625 0.0	-284 53.5	0.447	0.851	0.0
460	R00Y.062.062a	0.625 0.0	0.625 0.312	-220	0.625 0.0	-296 53.8	0.447	0.851	0.0
461	R00Y.062.062a	0.625 0.0	0.625 0.312	-231	0.625 0.0	-308 54.1	0.447	0.851	0.0
462	R00Y.062.062a	0.625 0.0	0.625 0.312	-242	0.625 0.0	-320 54.4	0.447	0.851	0.0
463	R00Y.062.062a	0.625 0.0	0.625 0.312	-253	0.625 0.0	-332 54.7	0.447	0.851	0.0
464	R00Y.062.062a	0.625 0.0	0.625 0.312	-264	0.625 0.0	-344 55.0	0.447	0.851	0.0
465	R00Y.062.062a	0.625 0.0	0.625 0.312	-275	0.625 0.0	-356 55.3	0.447	0.851	0.0
466	R00Y.062.062a	0.625 0.0	0.625 0.312	-286	0.625 0.0	-368 55.6	0.447	0.851	0.0
467	R00Y.062.062a	0.625 0.0	0.625 0.312	-297	0.625 0.0	-380 55.9	0.447	0.851	0.0
468	R00Y.062.062a	0.625 0.0	0.625 0.312	-308	0.625 0.0	-392 56.2	0.447	0.851	0.0
469	R00Y.062.062a	0.625 0.0	0.625 0.312	-319	0.625 0.0	-404 56.5	0.447	0.851	0.0
470	R00Y.062.062a	0.625 0.0	0.625 0.312	-330	0.625 0.0	-416 56.8	0.447	0.851	0.0
471	R00Y.062.062a	0.625 0.0	0.625 0.312	-341	0.625 0.0	-428 57.1	0.447	0.851	0.0
472	R00Y.062.062a	0.625 0.0	0.625 0.312	-352	0.625 0.0	-440 57.4	0.447	0.851	0.0
473	R00Y.062.062a	0.625 0.0	0.625 0.312	-363	0.625 0.0	-452 57.7	0.447	0.851	0.0
474	R00Y.062.062a	0.625 0.0	0.625 0.312	-374	0.625 0.0	-464 58.0	0.447	0.851	0.0
475	R00Y.062.062a	0.625 0.0	0.625 0.312	-385	0.625 0.0	-476 58.3	0.447	0.851	0.0
476	R00Y.062.062a	0.625 0.0	0.625 0.312	-396	0.625 0.0	-488 58.6	0.447	0.851	0.0
477	R00Y.062.062a	0.625 0.0	0.625 0.312	-407	0.625 0.0	-500 58.9	0.447	0.851	0.0
478	R00Y.062.062a	0.625 0.0	0.625 0.312	-418	0.625 0.0	-512 59.2	0.447	0.851	0.0
479	R00Y.062.062a	0.625 0.0	0.625 0.312	-429	0.625 0.0	-524 59.5	0.447	0.851	0.0
480	R00Y.062.062a	0.625 0.0	0.625 0.312	-440	0.625 0.0	-536 59.8	0.447	0.851	0.0
481	R00Y.062.062a	0.625 0.0	0.625 0.312	-451	0.625 0.0	-548 60.1	0.447	0.851	0.0
482	R00Y.062.062a	0.625 0.0	0.625 0.312	-462	0.625 0.0	-560 60.4	0.447	0.851	0.0
483	R00Y.062.062a	0.625 0.0	0.625 0.312	-473	0.625 0.0	-572 60.7	0.447	0.851	0.0
484	R00Y.062.062a	0.625 0.0	0.625 0.312	-484	0.625 0.0	-584 61.0	0.447	0.851	0.0
485	R00Y.062.062a	0.625 0.0	0.625 0.312	-495	0.625 0.0	-596 61.3	0.447	0.851	0.0

entrée : rgb/cmyk -> rgb de sortie : linéarisation 3D selon cmy0* de

graphique TUB-QF18; code de teinte: H*e=R50Ye couleurs et différences, ΔE,*

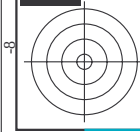
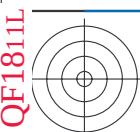
http://130.149.60.45/~farbmetrik/QF18/QF18L0FP.PDF /.PS; linéarisation 3D F: linéarisation 3D QF18/QF18L0FP.DAT dans fichier (F), page 31/33

n	HVC*File	rgb*File	icL*File	hsL*File	rgb*File	LabCh*File	cmy*Sep*File	hsv*File	LabCh*File	delta
891	NW_100de	1.0	1.0	1.0	1.0	956	0.0	0.0	956	0.0
892	B50R_100.012de	0.875	1.0	0.125	0.937	875	0.0	0.0	875	0.0
893	B50R_100.025de	0.75	1.0	0.25	0.812	750	0.0	0.0	750	0.0
894	B50R_100.037de	0.625	1.0	0.375	0.687	625	0.0	0.0	625	0.0
895	B50R_100.050de	0.5	1.0	0.5	0.562	500	0.0	0.0	500	0.0
896	B50R_100.062de	0.375	1.0	0.625	0.437	375	0.0	0.0	375	0.0
897	B50R_100.075de	0.25	1.0	0.75	0.312	250	0.0	0.0	250	0.0
898	B50R_100.087de	0.125	1.0	0.875	0.187	125	0.0	0.0	125	0.0
899	B50R_100.100de	0.0	1.0	1.0	0.0	0	0.0	0.0	0	0.0
900	GOB_100.012de	0.875	1.0	0.125	0.937	875	0.0	0.0	875	0.0
901	NW_087de	0.875	0.875	0.875	0.875	875	0.0	0.0	875	0.0
902	B50R_087.012de	0.875	0.875	0.875	0.875	875	0.0	0.0	875	0.0
903	B50R_087.025de	0.875	0.875	0.875	0.875	875	0.0	0.0	875	0.0
904	B50R_087.037de	0.875	0.875	0.875	0.875	875	0.0	0.0	875	0.0
905	B50R_087.050de	0.875	0.875	0.875	0.875	875	0.0	0.0	875	0.0
906	B50R_087.062de	0.875	0.875	0.875	0.875	875	0.0	0.0	875	0.0
907	B50R_087.075de	0.875	0.875	0.875	0.875	875	0.0	0.0	875	0.0
908	B50R_087.087de	0.875	0.875	0.875	0.875	875	0.0	0.0	875	0.0
909	GOB_100.025de	0.75	1.0	0.25	0.812	750	0.0	0.0	750	0.0
910	GOB_100.037de	0.625	1.0	0.375	0.687	625	0.0	0.0	625	0.0
911	NW_075de	0.75	0.75	0.75	0.75	750	0.0	0.0	750	0.0
912	B50R_075.012de	0.75	0.75	0.75	0.75	750	0.0	0.0	750	0.0
913	B50R_075.025de	0.75	0.75	0.75	0.75	750	0.0	0.0	750	0.0
914	B50R_075.037de	0.75	0.75	0.75	0.75	750	0.0	0.0	750	0.0
915	B50R_075.050de	0.75	0.75	0.75	0.75	750	0.0	0.0	750	0.0
916	B50R_075.062de	0.75	0.75	0.75	0.75	750	0.0	0.0	750	0.0
917	B50R_075.075de	0.75	0.75	0.75	0.75	750	0.0	0.0	750	0.0
918	GOB_100.037de	0.625	1.0	0.375	0.687	625	0.0	0.0	625	0.0
919	GOB_100.050de	0.5	1.0	0.5	0.562	500	0.0	0.0	500	0.0
920	GOB_075.012de	0.625	0.75	0.625	0.625	625	0.0	0.0	625	0.0
921	GOB_075.025de	0.625	0.75	0.625	0.625	625	0.0	0.0	625	0.0
922	B50R_062.012de	0.625	0.5	0.625	0.562	625	0.0	0.0	625	0.0
923	B50R_062.025de	0.625	0.5	0.625	0.562	625	0.0	0.0	625	0.0
924	B50R_062.037de	0.625	0.5	0.625	0.562	625	0.0	0.0	625	0.0
925	B50R_062.050de	0.625	0.5	0.625	0.562	625	0.0	0.0	625	0.0
926	B50R_062.062de	0.625	0.5	0.625	0.562	625	0.0	0.0	625	0.0
927	GOB_100.050de	0.5	1.0	0.5	0.562	500	0.0	0.0	500	0.0
928	GOB_087.037de	0.875	0.875	0.875	0.875	875	0.0	0.0	875	0.0
929	GOB_087.050de	0.875	0.875	0.875	0.875	875	0.0	0.0	875	0.0
930	GOB_087.062de	0.875	0.875	0.875	0.875	875	0.0	0.0	875	0.0
931	NW_050de	0.5	0.5	0.5	0.562	500	0.0	0.0	500	0.0
932	B50R_050.012de	0.5	0.5	0.5	0.562	500	0.0	0.0	500	0.0
933	B50R_050.025de	0.5	0.5	0.5	0.562	500	0.0	0.0	500	0.0
934	B50R_050.037de	0.5	0.5	0.5	0.562	500	0.0	0.0	500	0.0
935	B50R_050.050de	0.5	0.5	0.5	0.562	500	0.0	0.0	500	0.0
936	B50R_050.062de	0.5	0.5	0.5	0.562	500	0.0	0.0	500	0.0
937	GOB_087.050de	0.875	0.875	0.875	0.875	875	0.0	0.0	875	0.0
938	GOB_087.062de	0.875	0.875	0.875	0.875	875	0.0	0.0	875	0.0
939	GOB_087.075de	0.875	0.875	0.875	0.875	875	0.0	0.0	875	0.0
940	GOB_087.087de	0.875	0.875	0.875	0.875	875	0.0	0.0	875	0.0
941	NW_037de	0.375	0.375	0.375	0.375	375	0.0	0.0	375	0.0
942	B50R_037.012de	0.375	0.375	0.375	0.375	375	0.0	0.0	375	0.0
943	B50R_037.025de	0.375	0.375	0.375	0.375	375	0.0	0.0	375	0.0
944	B50R_037.037de	0.375	0.375	0.375	0.375	375	0.0	0.0	375	0.0
945	GOB_100.075de	0.25	1.0	0.25	0.25	250	0.0	0.0	250	0.0
946	GOB_062.062de	0.625	0.5	0.625	0.562	625	0.0	0.0	625	0.0
947	GOB_062.075de	0.625	0.5	0.625	0.562	625	0.0	0.0	625	0.0
948	GOB_062.087de	0.625	0.5	0.625	0.562	625	0.0	0.0	625	0.0
949	GOB_087.012de	0.875	0.875	0.875	0.875	875	0.0	0.0	875	0.0
950	GOB_087.025de	0.875	0.875	0.875	0.875	875	0.0	0.0	875	0.0
951	NW_025de	0.25	0.25	0.25	0.25	250	0.0	0.0	250	0.0
952	B50R_025.012de	0.25	0.25	0.25	0.25	250	0.0	0.0	250	0.0
953	B50R_025.025de	0.25	0.25	0.25	0.25	250	0.0	0.0	250	0.0
954	GOB_100.087de	0.125	1.0	0.125	0.125	125	0.0	0.0	125	0.0
955	GOB_087.075de	0.875	0.875	0.875	0.875	875	0.0	0.0	875	0.0
956	GOB_087.087de	0.875	0.875	0.875	0.875	875	0.0	0.0	875	0.0
957	GOB_062.050de	0.625	0.5	0.625	0.562	625	0.0	0.0	625	0.0
958	GOB_062.062de	0.625	0.5	0.625	0.562	625	0.0	0.0	625	0.0
959	GOB_062.075de	0.625	0.5	0.625	0.562	625	0.0	0.0	625	0.0
960	GOB_062.087de	0.625	0.5	0.625	0.562	625	0.0	0.0	625	0.0
961	NW_012de	0.125	0.125	0.125	0.125	125	0.0	0.0	125	0.0
962	B50R_012.012de	0.125	0.125	0.125	0.125	125	0.0	0.0	125	0.0
963	GOB_100.100de	0.0	1.0	0.0	0.0	0	0.0	0.0	0	0.0
964	GOB_087.087de	0.875	0.875	0.875	0.875	875	0.0	0.0	875	0.0
965	GOB_087.075de	0.875	0.875	0.875	0.875	875	0.0	0.0	875	0.0
966	GOB_062.062de	0.625	0.5	0.625	0.562	625	0.0	0.0	625	0.0
967	GOB_050.050de	0.5	0.5	0.5	0.562	500	0.0	0.0	500	0.0
968	GOB_037.037de	0.375	0.375	0.375	0.375	375	0.0	0.0	375	0.0
969	GOB_025.025de	0.25	0.25	0.25	0.25	250	0.0	0.0	250	0.0
970	GOB_012.012de	0.125	0.125	0.125	0.125	125	0.0	0.0	125	0.0
971	NW_000de	0.0	0.0	0.0	0.0	0	0.0	0.0	0	0.0

QF180-7N, 31/33-F

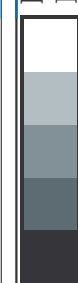
graphique TUB-QF18; code de teinte: H*e=R50Ye couleurs et différences, ΔE,*

entrée : rgb/cmyk -> rgbde sortie : linéarisation 3D selon cmy0* de

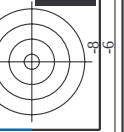


TUB enregistrement: 20130201-QF18/QF18L0FP.PDF /.PS TUB matériel: code=rha4ta
application pour la mesure des sorties sur offset, séparation cmy0* (CMY0)

http://130.149.60.45/~farbmetrik/QF18/QF18L0FP.PDF /.PS; linéarisation 3D
F: linéarisation 3D QF18/QF18L0FP.DAT dans fichier (F), page 33/33



n	HVC*File	rgb*File	lcr*File	hsa*File	rgb*File	LabCH*File	cmy0*sep*File	0.099	0.0	hsv*File	rgb*File	LabCH*File	delta
1053	NW_086de	0.866 0.866 0.866	0.866 0.866 0.866	0.866 0.866 0.866	0.866 0.866 0.866	86.6 0.0 0.0	0.173 0.108 0.099	0.0	0.0	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6	0.0 0.0 0.0
1054	NW_093de	0.933 0.933 0.933	0.933 0.933 0.933	0.933 0.933 0.933	0.933 0.933 0.933	90.8 0.0 0.0	0.09 0.054 0.05	0.0	0.0	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6	0.0 0.0 0.0
1055	NW_100de	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	24.3 0.0 0.0	0.0 0.0 0.0	0.0	0.0	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6	0.0 0.0 0.0
1056	NW_100de	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0	0.0	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6	0.0 0.0 0.0
1057	NW_006de	0.066 0.066 0.066	0.066 0.066 0.066	0.066 0.066 0.066	0.066 0.066 0.066	29.0 0.0 0.0	0.935 0.855 0.825	0.0	0.0	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6	0.0 0.0 0.0
1058	NW_013de	0.133 0.133 0.133	0.133 0.133 0.133	0.133 0.133 0.133	0.133 0.133 0.133	33.8 0.0 0.0	0.879 0.763 0.725	0.0	0.0	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6	0.0 0.0 0.0
1059	NW_026de	0.2 0.2 0.2	0.2 0.2 0.2	0.2 0.2 0.2	0.2 0.2 0.2	38.6 0.0 0.0	0.799 0.661 0.614	0.0	0.0	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6	0.0 0.0 0.0
1060	NW_026de	0.266 0.266 0.266	0.266 0.266 0.266	0.266 0.266 0.266	0.266 0.266 0.266	43.3 0.0 0.0	0.731 0.571 0.537	0.0	0.0	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6	0.0 0.0 0.0
1061	NW_033de	0.333 0.333 0.333	0.333 0.333 0.333	0.333 0.333 0.333	0.333 0.333 0.333	48.1 0.0 0.0	0.682 0.507 0.485	0.0	0.0	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6	0.0 0.0 0.0
1062	NW_040de	0.4 0.4 0.4	0.4 0.4 0.4	0.4 0.4 0.4	0.4 0.4 0.4	52.8 0.0 0.0	0.636 0.454 0.433	0.0	0.0	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6	0.0 0.0 0.0
1063	NW_046de	0.466 0.466 0.466	0.466 0.466 0.466	0.466 0.466 0.466	0.466 0.466 0.466	57.5 0.0 0.0	0.574 0.404 0.381	0.0	0.0	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6	0.0 0.0 0.0
1064	NW_053de	0.533 0.533 0.533	0.533 0.533 0.533	0.533 0.533 0.533	0.533 0.533 0.533	62.3 0.0 0.0	0.509 0.354 0.33	0.0	0.0	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6	0.0 0.0 0.0
1065	NW_060de	0.6 0.6 0.6	0.6 0.6 0.6	0.6 0.6 0.6	0.6 0.6 0.6	67.1 0.0 0.0	0.442 0.285 0.278	0.0	0.0	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6	0.0 0.0 0.0
1066	NW_066de	0.666 0.666 0.666	0.666 0.666 0.666	0.666 0.666 0.666	0.666 0.666 0.666	71.8 0.0 0.0	0.377 0.228 0.228	0.0	0.0	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6	0.0 0.0 0.0
1067	NW_073de	0.734 0.734 0.734	0.734 0.734 0.734	0.734 0.734 0.734	0.734 0.734 0.734	76.6 0.0 0.0	0.314 0.191 0.186	0.0	0.0	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6	0.0 0.0 0.0
1068	NW_080de	0.8 0.8 0.8	0.8 0.8 0.8	0.8 0.8 0.8	0.8 0.8 0.8	81.3 0.0 0.0	0.252 0.153 0.146	0.0	0.0	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6	0.0 0.0 0.0
1069	NW_086de	0.866 0.866 0.866	0.866 0.866 0.866	0.866 0.866 0.866	0.866 0.866 0.866	86.0 0.0 0.0	0.173 0.108 0.099	0.0	0.0	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6	0.0 0.0 0.0
1070	NW_093de	0.933 0.933 0.933	0.933 0.933 0.933	0.933 0.933 0.933	0.933 0.933 0.933	90.8 0.0 0.0	0.09 0.054 0.05	0.0	0.0	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6	0.0 0.0 0.0
1071	NW_100de	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	24.3 0.0 0.0	0.0 0.0 0.0	0.0	0.0	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6	0.0 0.0 0.0
1072	NW_100de	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0	0.0	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6	0.0 0.0 0.0
1073	ROY_100_100de	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	25.4 0.0 0.0	0.0 0.0 0.0	0.0	0.0	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6	0.0 0.0 0.0
1074	G50B_100_100de	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0	0.0	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6	0.0 0.0 0.0
1075	Y06B_100_100de	0.0 1.0 1.0	0.0 1.0 1.0	0.0 1.0 1.0	0.0 1.0 1.0	55.0 0.0 0.0	0.0 0.0 0.0	0.0	0.0	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6	0.0 0.0 0.0
1076	Y06B_100_100de	1.0 0.0 0.0	1.0 0.0 0.0	1.0 0.0 0.0	1.0 0.0 0.0	34.4 0.0 0.0	0.0 0.0 0.0	0.0	0.0	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6	0.0 0.0 0.0
1077	B06B_100_100de	0.0 0.0 1.0	0.0 0.0 1.0	0.0 0.0 1.0	0.0 0.0 1.0	55.0 0.0 0.0	0.0 0.0 0.0	0.0	0.0	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6	0.0 0.0 0.0
1078	B06B_100_100de	1.0 0.0 0.0	1.0 0.0 0.0	1.0 0.0 0.0	1.0 0.0 0.0	34.4 0.0 0.0	0.0 0.0 0.0	0.0	0.0	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6	0.0 0.0 0.0
1079	B50B_100_100de	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0	0.0	360 360 360	1.0 1.0 1.0	95.6 95.6 95.6	0.0 0.0 0.0



graphique TUB-QF18; code de teinte: H*e=R50Ye
couleurs et différences, ΔE,*

entrée : rgb/cmyk -> rgbde
sortie : linéarisation 3D selon cmy0*de