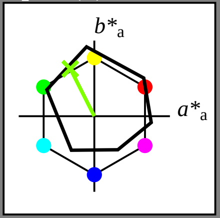
http://130.149.60.45/~farbmetrik/QF52/QF52L0FP.PDF /.PS; sortie de production
F: linéarisation 3D QF52/QF52LF30FP.DAT dans fichier (F), page 1/29

voir fichiers similaires: http://130.149.60.45/~farbmetrik/QF52/QF52.HTM
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 = 116/360 = 0.32

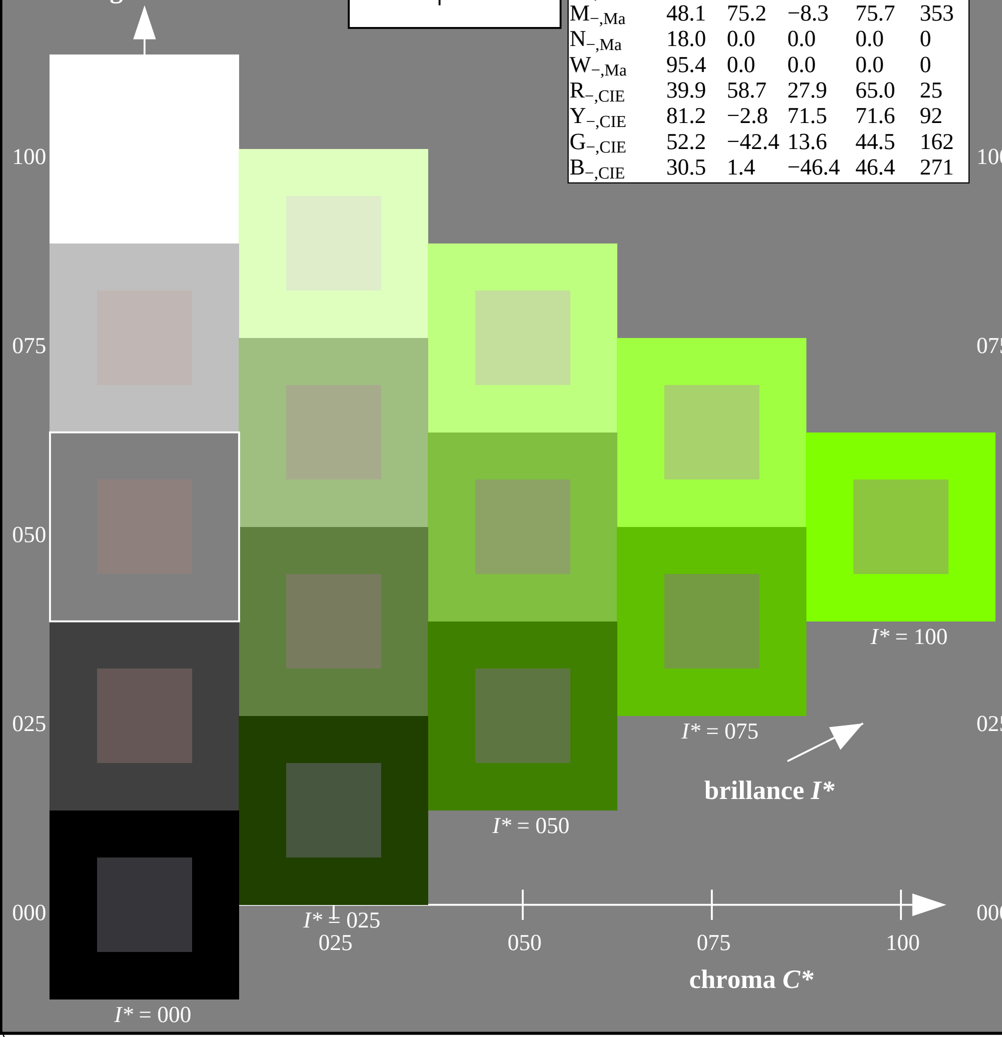
***H^*_-* = Y50G₋**

Données de couleurs périphériques (d)
ou élémentaires (e):
HIC₋***
code de teinte pour les couleurs de cette páge:
***H^*_-* = Y50G₋**
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	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

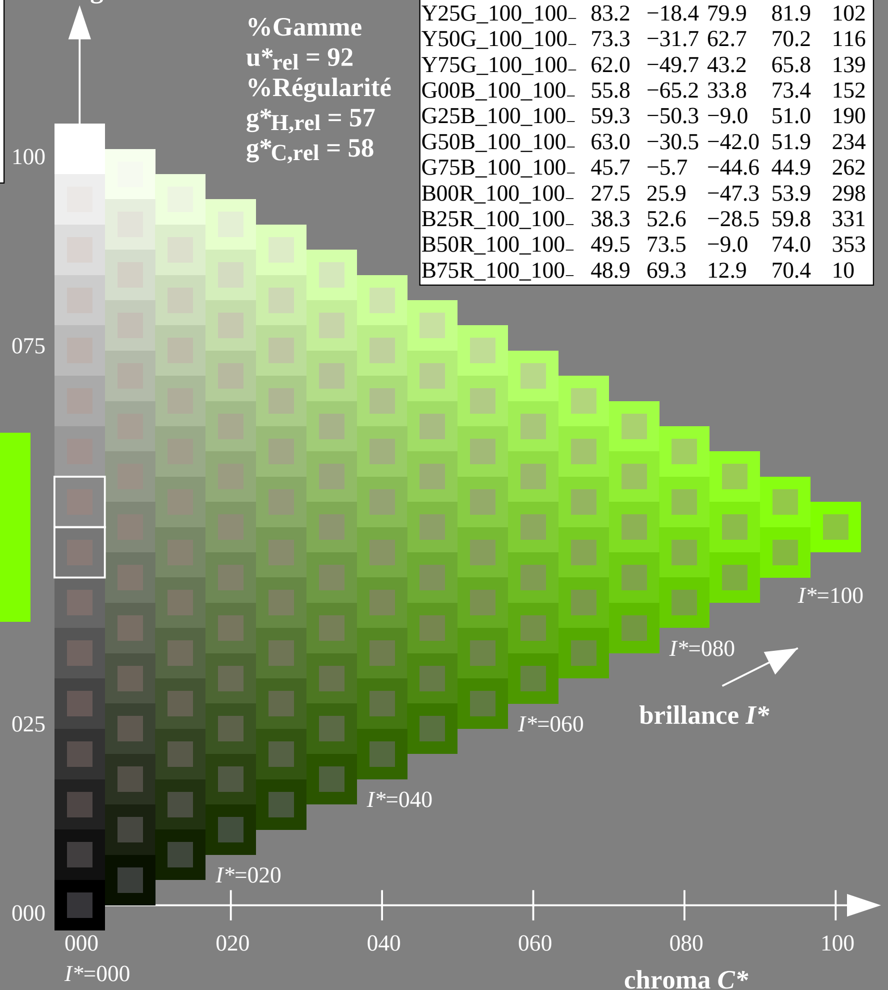


Les données de couleur maximale (Ma):
***LabCh*₋,Ma*: 73 −31 62 70 116**
***HIC*₋,Ma*: Y50G_100_100₋**
***rgbic*₋,Ma*:**
0.5 1.0 0.0 1.0 1.0
triangle de luminosité *T**

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

ORS20a; données CIELAB (a) adaptées

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



TUB enregistrement: 20130201-QF52/QF52L0FP.PDF /.PS
application pour la mesure de sortie sur écran

TUB matériel: code=rha4ta

3−113030−L0 QF520−7N

graphique TUB-QF52; code de teinte: H^*_-=Y50G₋
graphique conforme à DIN 33872, 3D=1, de=1, *sRGB**

entrée : *rgb/cmyk* −> *rgb/cmyk*
sortie : aucun changement

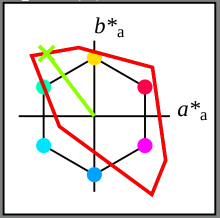
http://130.149.60.45/~farbmetrik/QF52/QF52L0FP.PDF /.PS; linéarisation 3D
F: linéarisation 3D QF52/QF52LF30FP.DAT dans fichier (F), page 2/29

voir fichiers similaires: http://130.149.60.45/~farbmetrik/QF52/QF52.HTM
informations techniques: http://www.ps.bam.de ou http://130.149.60.45/~farbmetrik

Entrée et sortie: Système Télévision Lumicie TLS00a pour la teinte CIELAB relative $h_{ab,a,rel}$ = h_{ab}/360 = 127/360 = 0.35

H^*_e = Y50G$_e$

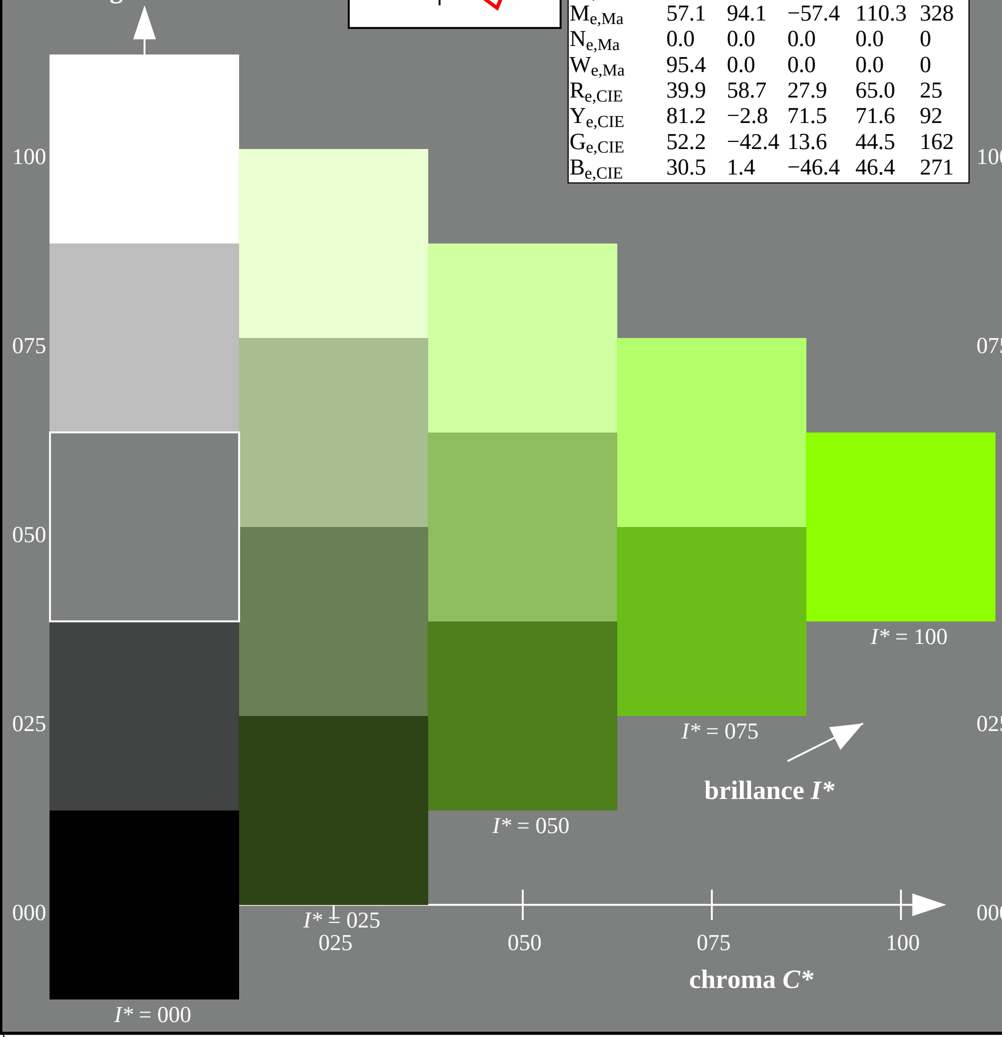
Données de couleurs périphériques (d)
ou élémentaires (e):
HIC^*_e
code de teinte pour les couleurs de cette páge:
H^*_e = Y50G$_e$
triangle de luminosité T^*

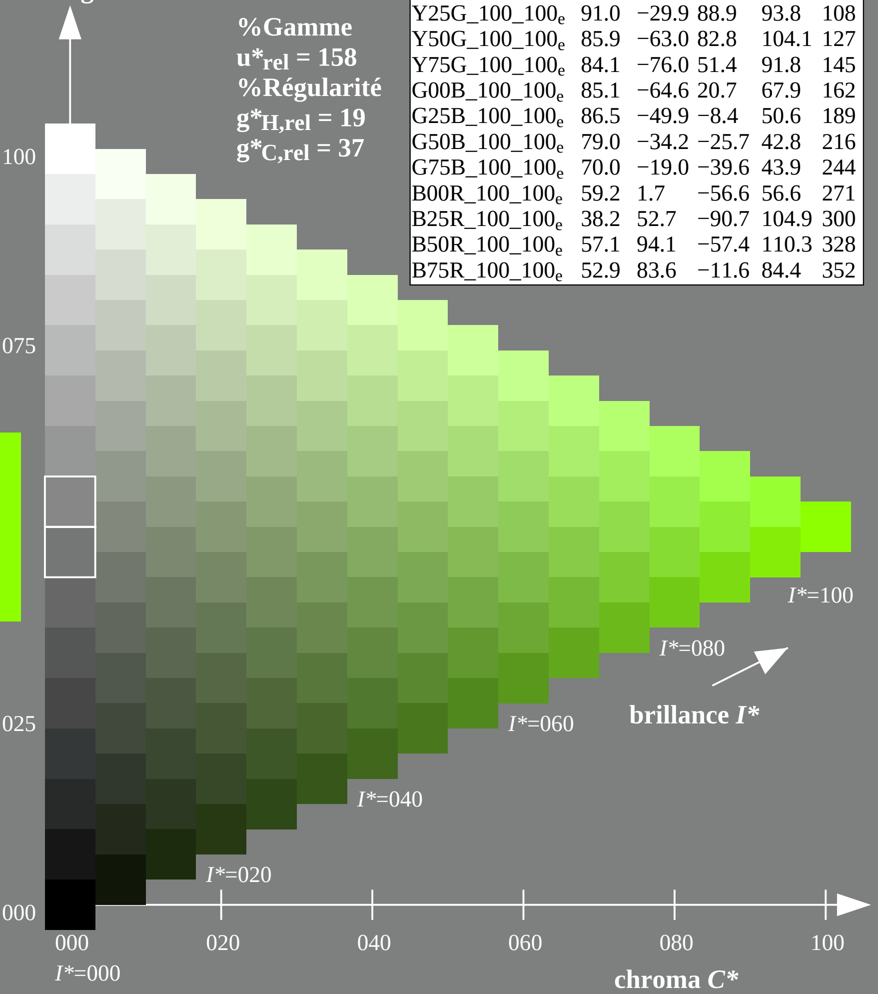


TLS00a; données CIELAB (a) adaptées					
nom	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R_{e,Ma}$	50.9	78.3	37.3	86.7	25
$Y_{e,Ma}$	83.7	−3.4	84.5	84.5	92
$G_{e,Ma}$	85.1	−64.6	20.7	67.9	162
$C_{e,Ma}$	79.0	−34.2	−25.7	42.8	216
$B_{e,Ma}$	59.2	1.7	−56.6	56.6	271
$M_{e,Ma}$	57.1	94.1	−57.4	110.3	328
$N_{e,Ma}$	0.0	0.0	0.0	0.0	0
$W_{e,Ma}$	95.4	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):
$LabCh^*_{e,Ma}$: 85 −63 82 104 127
$HIC^*_{e,Ma}$: Y50G_100_100$_e$
$rgbic^*_{e,Ma}$:
0.52 1.0 0.0 1.0 1.0
triangle de luminosité T^*

TLS00a; données CIELAB (a) adaptées					
H^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100$_e$	50.9	78.3	37.3	86.7	25
R25Y_100_100$_e$	51.3	74.4	64.8	98.7	41
R50Y_100_100$_e$	63.1	42.7	70.8	82.7	58
R75Y_100_100$_e$	73.5	18.3	77.7	79.8	76
Y00G_100_100$_e$	83.7	−3.4	84.5	84.5	92
Y25G_100_100$_e$	91.0	−29.9	88.9	93.8	108
Y50G_100_100$_e$	85.9	−63.0	82.8	104.1	127
Y75G_100_100$_e$	84.1	−76.0	51.4	91.8	145
G00B_100_100$_e$	85.1	−64.6	20.7	67.9	162
G25B_100_100$_e$	86.5	−49.9	−8.4	50.6	189
G50B_100_100$_e$	79.0	−34.2	−25.7	42.8	216
G75B_100_100$_e$	70.0	−19.0	−39.6	43.9	244
B00R_100_100$_e$	59.2	1.7	−56.6	56.6	271
B25R_100_100$_e$	38.2	52.7	−90.7	104.9	300
B50R_100_100$_e$	57.1	94.1	−57.4	110.3	328
B75R_100_100$_e$	52.9	83.6	−11.6	84.4	352





TUB enregistrement: 20130201-QF52/QF52L0FP.PDF /.PS
application pour la mesure de sortie sur écran, aucune séparation

TUB matériel: code=rha4ta

3−113130−L0 QF520−73

graphique TUB-QF52; code de teinte: H^*_e=Y50G$_e$
graphique conforme à DIN 33872, 3D=1, de=1, *sRGB**

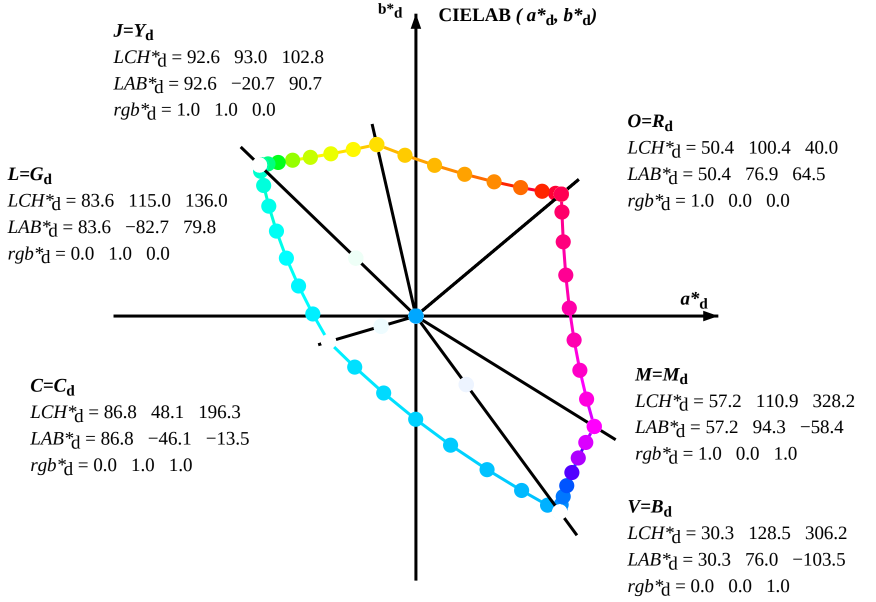
entrée : *rgb/cmyk* −> rgb_{de}
sortie : linéarisation 3D selon rgb^*_{de}

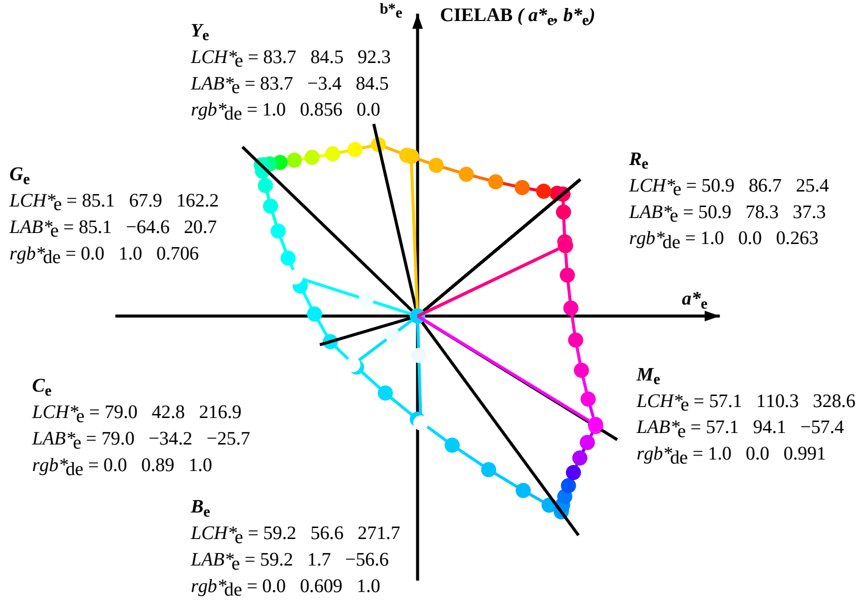
voir fichiers similaires: http://130.149.60.45/~farbmetrik/QF52/QF52.HTM
informations techniques: http://www.ps.bam.de ou http://130.149.60.45/~farbmetrik

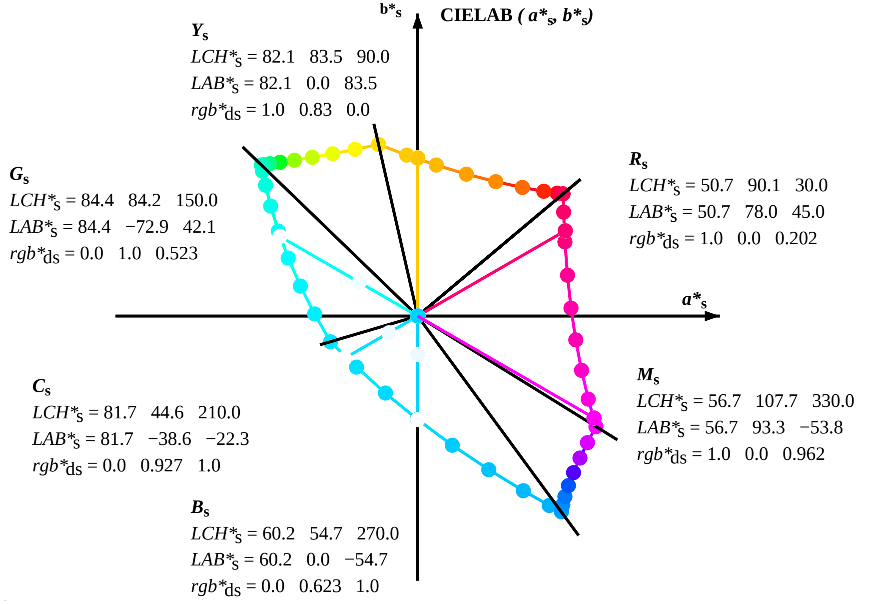
TUB enregistrement: 20130201-QF52/QF52L0FP.PDF /.PS
application pour la mesure de sortie sur écran, aucune séparation

TUB matériel: code=rha4ta

Couleur maximale dans le système colorimetrique : sRGB standard device; no separation, D65 pour l'entrée et sortie; Six angles de teinte à 60 degrès 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*$_d$: $h_{ab,d}$ = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2; Six angles de teinte des couleurs élémentaires *RYGCBM*$_e$: $h_{ab,e}$ = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6







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

rgb^*_d LCH^*_d LAB^*_d

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

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

$h_{ab,s}$

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

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

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

$h_{ab,e}$

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

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

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

$h_{ab,e}$ $h_{ab,d}$

rgb^*_{de}

3−113230−L0 QF520−73 LAB*la0, YN=0%, XYZnw=0.0, 0.0, 0.0, 84.2, 88.6, 96.5, LAB*nw=0.0, 0.0, 0.0, 95.4, 0.0, 0.0

sortie: sRGB standard device; no separation, D65, page 3/29

graphique TUB-QF52; code de teinte: H*$_e$=Y50G$_e$
cercle chromatique 48 paliers; tableaux *rgb−LabCh**

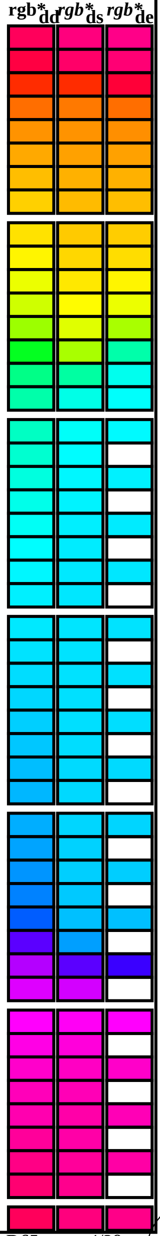
entrée : *rgb/cmyk −> rgb*$_{de}$
sortie : linéarisation 3D selon *rgb**$_{de}$

http://130.149.60.45/~farbmetrik/QF52/QF52L0FP.PDF /.PS; linéarisation 3D
F: linéarisation 3D QF52/QF52LF30FP.DAT dans fichier (F), páge 4/29

voir fichiers similaires: http://130.149.60.45/~farbmetrik/QF52/QF52.HTM
informations techniques: http://www.ps.bam.de ou http://130.149.60.45/~farbmetrik

Couleur maximale dans le système colorimetrique : sRGB standard device; no separation, D65 pour l'entrée et sortie; Six angles de teinte à 60 degrès 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*$_d$: $h_{ab,d}$ = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2; 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**ddx64M (x=LabCh)					*rgb**ddx361M			*LAB**ddx361M (x=LabCh)					*rgb**dsx361M			*LAB**dsx361M (x=LabCh)					*rgb**dex361M			*LAB**dex361M				
40.0	30.0	25.4	1.0	0.0	0.0	50.4	76.9	64.5	100.4	40.0	1.0	0.0	0.0	50.5	76.9	64.6	100.4	40	1.0	0.0	0.203	50.8	78.0	45.1	90.1	30	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25
41.3	37.5	33.8	1.0	0.125	0.0	51.5	73.9	64.9	98.3	41.3	1.0	0.117	0.0	51.5	74.1	64.9	98.5	41	1.0	0.0	0.082	50.6	77.2	58.2	96.7	37	1.0	0.0	0.156	50.7	77.7	51.0	92.9	33
44.6	45.0	42.1	1.0	0.25	0.0	54.0	66.7	65.9	93.8	44.6	1.0	0.25	0.0	54.1	66.7	66.0	93.8	44	1.0	0.256	0.0	54.3	66.1	66.1	93.5	45	1.0	0.157	0.0	52.2	72.0	65.3	97.2	42
50.7	52.5	50.5	1.0	0.375	0.0	58.2	55.4	67.9	87.7	50.7	1.0	0.367	0.0	57.9	56.2	67.9	88.2	50	1.0	0.392	0.0	58.9	53.6	68.6	87.0	52	1.0	0.358	0.0	57.7	56.9	67.8	88.6	49
59.7	60.0	58.8	1.0	0.5	0.0	63.6	41.3	71.0	82.2	59.7	1.0	0.5	0.0	63.7	41.4	71.0	82.2	59	1.0	0.502	0.0	63.8	41.1	71.2	82.2	60	1.0	0.488	0.0	63.1	42.8	70.9	82.8	58
71.0	67.5	67.2	1.0	0.625	0.0	70.1	25.7	75.0	79.3	71.0	1.0	0.617	0.0	69.7	26.8	74.9	79.6	70	1.0	0.58	0.0	67.8	31.4	74.0	80.4	67	1.0	0.577	0.0	67.6	31.8	73.9	80.5	66
82.9	75.0	75.6	1.0	0.75	0.0	77.2	9.8	79.7	80.4	82.9	1.0	0.75	0.0	77.2	9.8	79.8	80.4	82	1.0	0.667	0.0	72.5	20.6	77.0	79.7	75	1.0	0.673	0.0	72.8	19.8	77.3	79.8	75
93.8	82.5	83.9	1.0	0.875	0.0	84.8	−5.7	85.0	85.2	93.8	1.0	0.867	0.0	84.3	−4.6	84.8	85.0	93	1.0	0.74	0.0	76.7	11.2	79.5	80.3	82	1.0	0.755	0.0	77.5	9.3	80.1	80.6	83
102.8	90.0	92.3	1.0	1.0	0.0	92.6	−20.7	90.7	93.0	102.8	1.0	1.0	0.0	92.7	−20.6	90.8	93.1	102	1.0	0.831	0.0	82.1	0.0	83.5	83.5	90	1.0	0.857	0.0	83.7	−3.3	84.5	84.6	92
110.5	97.5	101.0	0.875	1.0	0.0	90.4	−33.1	88.1	94.1	110.5	0.883	1.0	0.0	90.6	−32.2	88.4	94.1	110	1.0	0.918	0.0	87.5	−10.6	87.3	88.0	97	1.0	0.967	0.0	90.6	−16.4	89.5	91.0	100
117.6	105.0	109.7	0.75	1.0	0.0	88.5	−44.9	85.8	96.8	117.6	0.75	1.0	0.0	88.5	−44.8	85.8	96.9	117	0.965	1.0	0.0	92.0	−24.1	90.2	93.4	105	0.888	1.0	0.0	90.7	−31.7	88.5	94.0	109
123.6	112.5	118.5	0.625	1.0	0.0	86.9	−55.8	83.9	100.7	123.6	0.633	1.0	0.0	87.1	−55.0	84.1	100.5	123	0.85	1.0	0.0	90.1	−35.4	87.8	94.7	112	0.743	1.0	0.0	88.5	−45.4	85.8	97.1	117
128.3	120.0	127.2	0.5	1.0	0.0	85.7	−65.2	82.4	105.1	128.3	0.5	1.0	0.0	85.7	−65.1	82.4	105.1	128	0.7	1.0	0.0	87.9	−49.1	85.3	98.4	120	0.529	1.0	0.0	86.0	−62.9	82.9	104.1	127
131.8	127.5	136.0	0.375	1.0	0.0	84.7	−72.8	81.2	109.1	131.8	0.383	1.0	0.0	84.8	−72.2	81.4	108.9	131	0.536	1.0	0.0	86.1	−62.4	83.0	103.9	127	0.132	1.0	0.0	83.8	−81.2	80.1	114.1	135
134.1	135.0	144.7	0.25	1.0	0.0	84.1	−78.2	80.5	112.2	134.1	0.25	1.0	0.0	84.1	−78.2	80.5	112.3	134	0.173	1.0	0.0	83.9	−80.2	80.3	113.5	135	0.0	1.0	0.41	84.1	−76.8	54.3	94.1	144
135.5	142.5	153.4	0.125	1.0	0.0	83.7	−81.4	80.0	114.2	135.5	0.133	1.0	0.0	83.8	−81.2	80.1	114.1	135	0.0	1.0	0.335	83.9	−78.7	61.6	100.0	142	0.0	1.0	0.573	84.6	−70.9	36.3	79.8	152
136.0	150.0	162.2	0.0	1.0	0.0	83.6	−82.7	79.8	115.0	136.0	0.0	1.0	0.0	83.6	−82.7	79.9	115.0	136	0.0	1.0	0.523	84.4	−72.9	42.1	84.3	150	0.0	1.0	0.706	85.2	−64.6	20.7	67.9	162
137.0	157.5	169.0	0.0	1.0	0.125	83.6	−82.1	76.6	112.3	137.0	0.0	1.0	0.117	83.7	−82.1	76.8	112.5	136	0.0	1.0	0.639	84.9	−67.8	28.8	73.8	157	0.0	1.0	0.778	85.5	−60.6	12.2	61.9	168
139.3	165.0	175.9	0.0	1.0	0.25	83.8	−80.5	69.1	106.1	139.3	0.0	1.0	0.25	83.8	−80.5	69.1	106.2	139	0.0	1.0	0.742	85.3	−62.5	16.8	64.8	165	0.0	1.0	0.847	85.9	−56.4	4.0	56.7	175
143.2	172.5	182.7	0.0	1.0	0.375	84.0	−77.8	58.1	97.1	143.2	0.0	1.0	0.367	84.0	−77.9	58.9	97.7	142	0.0	1.0	0.81	85.7	−58.8	8.3	59.5	172	0.0	1.0	0.9	86.2	−53.2	−2.0	53.3	182
148.6	180.0	189.6	0.0	1.0	0.5	84.3	−73.7	44.9	86.4	148.6	0.0	1.0	0.5	84.3	−73.7	45.0	86.4	148	0.0	1.0	0.883	86.1	−54.1	0.0	54.2	180	0.0	1.0	0.952	86.6	−49.8	−8.3	50.6	189
155.8	187.5	196.4	0.0	1.0	0.625	84.7	−68.5	30.6	75.0	155.8	0.0	1.0	0.617	84.8	−68.8	31.5	75.8	155	0.0	1.0	0.933	86.4	−51.1	−6.2	51.6	187	0.0	1.0	0.997	86.9	−46.3	−13.2	48.3	195
165.6	195.0	203.2	0.0	1.0	0.75	85.3	−62.0	15.9	64.0	165.6	0.0	1.0	0.75	85.4	−62.0	15.9	64.1	165	0.0	1.0	0.99	86.8	−46.9	−12.5	48.6	195	0.0	0.963	1.0	84.3	−42.5	−18.2	46.4	203
178.8	202.5	210.1	0.0	1.0	0.875	86.0	−54.5	1.0	54.5	178.8	0.0	1.0	0.867	86.0	−55.1	2.0	55.2	177	0.0	0.97	1.0	84.7	−43.2	−17.4	46.7	202	0.0	0.929	1.0	81.8	−38.8	−22.1	44.7	209
196.3	210.0	216.9	0.0	1.0	1.0	86.8	−46.1	−13.5	48.1	196.3	0.0	1.0	1.0	86.9	−46.1	−13.5	48.1	196	0.0	0.927	1.0	81.7	−38.6	−22.2	44.7	210	0.0	0.89	1.0	79.1	−34.2	−25.7	42.9	216
219.8	217.5	223.8	0.0	0.875	1.0	77.9	−32.3	−27.0	42.1	219.8	0.0	0.883	1.0	78.6	−33.3	−26.3	42.6	218	0.0	0.89	1.0	79.1	−34.1	−25.7	42.9	217	0.0	0.859	1.0	76.9	−30.7	−29.0	42.4	223
247.2	225.0	230.6	0.0	0.75	1.0	69.1	−17.0	−40.7	44.1	247.2	0.0	0.75	1.0	69.1	−17.0	−40.6	44.2	247	0.0	0.851	1.0	76.3	−30.0	−30.0	42.5	225	0.0	0.826	1.0	74.5	−27.1	−33.1	43.0	230
269.8	232.5	237.5	0.0	0.625	1.0	60.3	−0.1	−54.6	54.6	269.8	0.0	0.633	1.0	60.9	−1.5	−53.8	53.9	268	0.0	0.82	1.0	74.1	−26.4	−33.8	43.1	232	0.0	0.797	1.0	72.4	−23.5	−36.3	43.4	237
285.0	240.0	244.3	0.0	0.5	1.0	51.7	18.3	−68.3	70.7	285.0	0.0	0.5	1.0	51.8	18.3	−68.2	70.7	285	0.0	0.783	1.0	71.5	−21.7	−37.7	43.6	240	0.0	0.763	1.0	70.1	−18.9	−39.5	44.0	244
294.8	247.5	251.2	0.0	0.375	1.0	43.8	37.6	−81.2	89.5	294.8	0.0	0.383	1.0	44.4	36.2	−80.4	88.3	294	0.0	0.751	1.0	69.2	−17.2	−40.6	44.2	247	0.0	0.731	1.0	67.8	−15.0	−43.1	45.8	250
301.1	255.0	258.0	0.0	0.25	1.0	37.1	55.9	−92.3	107.9	301.1	0.0	0.25	1.0	37.2	55.9	−92.2	107.9	301	0.0	0.707	1.0	66.1	−12.3	−46.0	47.8	255	0.0	0.69	1.0	64.9	−10.1	−48.0	49.2	258
304.8	262.5	264.8	0.0	0.125	1.0	32.4	69.5	−100.0	121.8	304.8	0.0	0.133	1.0	32.8	68.6	−99.5	121.0	304	0.0	0.668	1.0	63.4	−7.0	−50.4	51.0	262	0.0	0.655	1.0	62.4	−5.0	−51.8	52.1	264
306.2	270.0	271.7	0.0	0.0	1.0	30.3	76.0	−103.5	128.5	306.2	0.0	0.0	1.0	30.4	76.1	−103.5	128.5	306	0.0	0.624	1.0	60.2	0.0	−54.7	54.8	270	0.0	0.609	1.0	59.3	1.7	−56.5	56.6	271
306.6	277.5	278.8	0.125	0.0	1.0	31.0	76.2	−102.4	127.7	306.6	0.117	0.0	1.0	31.0	76.3	−102.5	127.8	306	0.0	0.566	1.0	56.3	7.6	−61.7	62.2	277	0.0	0.555	1.0	55.5	9.3	−62.9	63.7	278
307.5	285.0	285.9	0.25	0.0	1.0	32.6	76.8	−99.8	125.9	307.5	0.25	0.0	1.0	32.6	76.8	−99.7	126.0	307	0.0	0.5	1.0	51.8	18.3	−68.2	70.7	285	0.0	0.488	1.0	51.0	19.9	−69.6	72.5	285
309.2	292.5	293.0	0.375	0.0	1.0	35.1	77.9	−95.5	123.3	309.2	0.367	0.0	1.0	35.0	77.9	−95.7	123.5	309	0.0	0.412	1.0	46.2	31.5	−77.8	84.1	292	0.0	0.404	1.0	45.7	32.7	−78.5	85.2	292
311.6	300.0	300.1	0.5	0.0	1.0	38.5	79.8	−89.7	120.0	311.6	0.5	0.0	1.0	38.6	79.9	−89.6	120.1	311	0.0	0.274	1.0	38.4	52.2	−90.4	104.5	300	0.0	0.27	1.0	38.2	52.8	−90.6	105.0	300
314.8	307.5	307.2	0.625	0.0	1.0	42.7	82.5	−82.7	116.8	314.8	0.617	0.0	1.0	42.4	82.3	−83.2	117.1	314	0.172	0.0	1.0	31.6	76.5	−101.4	127.1	307	0.146	0.0	1.0	31.3	76.4	−102.0	127.5	306
318.8	315.0	314.3	0.75	0.0	1.0	47.2	85.8	−75.1	114.0	318.8	0.75	0.0	1.0	47.3	85.9	−75.0	114.1	318	0.628	0.0	1.0	42.8	82.6	−82.5	116.8	315	0.605	0.0	1.0	42.1	82.1	−83.8	117.4	314
323.3	322.5	321.4	0.875	0.0	1.0	52.1	89.8	−66.9	112.0	323.3	0.867	0.0	1.0	51.9	89.6	−67.4	112.2	323	0.838	0.0	1.0	50.7	88.8	−69.3	112.7	322	0.811	0.0	1.0	49.7	87.9	−71.0	113.1	321
328.2	330.0	328.6	1.0	0.0	1.0	57.2	94.3	−58.4	110.9	328.2	1.0	0.0	1.0	57.3	94.4	−58.3	111.0	328	1.0	0.0	0.962	56.8	93.4	−53.8	107.8	330	1.0	0.0	0.992	57.2	94.2	−57.4	110.3	328
334.0	337.5	335.7	1.0	0.0	0.875	55.6	90.3	−43.9	100.4	334.0	1.0	0.0	0.883	55.8	90.7	−44.8	101.1	333	1.0	0.0	0.827	55.1	89.2	−37.8	96.9	337	1.0	0.0	0.856	55.4	89.9	−41.4	99.0	335
341.6	345.0	342.8	1.0	0.0	0.75	54.2	86.7	−28.6	91.3	341.6	1.0	0.0	0.75	54.2	86.7	−28.6	91.4	341	1.0	0.0	0.707	53.8	86.0	−23.0	89.1	345	1.0	0.0	0.735	54.1	86.5	−26.6	90.6	342
351.4	352.5	349.9	1.0	0.0	0.625	53.0	83.6	−12.6	84.6	351.4	1.0	0.0	0.633	53.1	84.0	−13.6	85.1	350	1.0	0.0	0.619	53.0	83.6	−11.7	84.4	352	1.0	0.0	0.65	53.3	84.5	−15.6	86.0	349
362.9	360.0	357.0	1.0	0.0	0.5	52.0	81.1	4.1	81.2	362.9	1.0	0.0	0.5	52.1	81.2	4.2	81.3	362	1.0	0.0	0.532	52.3	82.1	0.0	82.1	360	1.0	0.0	0.618	53.0	83.6	−11.6	84.4	352
375.2	367.5	364.1	1.0	0.0	0.375	51.3	79.2	21.6	82.1	375.2	1.0	0.0	0.383	51.4	79.5	20.5	82.1	374	1.0	0.0	0.459	51.8	81.0	9.9	81.6	367	1.0	0.0	0.533	52.3	82.2	−0.1	82.2	359
386.7	375.0	371.2	1.0	0.0	0.25	50.8	77.9	39.2	87.2	386.7	1.0	0.0	0.25	50.9	78.0	39.2	87.3	386	1.0	0.0	0.378	51.4	79.4	21.3	82.2	375	1.0	0.0	0.441	51.7	80.7	12.5	81.7	368
395.4	382.5	378.3	1.0	0.0	0.125	50.6	77.2	54.9	94.8	395.4	1.0	0.0	0.133	50.6	77.4	53.9	94.3	394	1.0	0.0	0.301	51.1	79.0	31.9	85.2	382	1.0	0.0	0.361	51.3	79.3	23.6	82.8	376
400.0	390.0	385.4	1.0	0.0	0.0	50.4	76.9	64.5	100.4	400.0	1.0	0.0	0.0	50.5	76.9	64.6	100.4	400	1.0	0.0	0.203	50.8	78.0	45.1	90.1	390	1.0	0.0	0.263	50.9	78.3	37.3	86.7	385



3−113330−L0 QF520−73 LAB*la0, YN=0%, XYZnw=0.0, 0.0, 0.0, 84.2, 88.6, 96.5, LAB*nw=0.0, 0.0, 0.0, 95.4, 0.0, 0.0

sortie: sRGB standard device; no separation, D65, page 4/29

graphique TUB-QF52; code de teinte: H*$_e$=Y50G$_e$
cercle chromatique 48 paliers; tableaux *rgb−LabCh**

entrée : *rgb/cmyk −> rgb*$_{de}$
sortie : linéarisation 3D selon *rgb**$_{de}$

TUB enregistrement: 20130201-QF52/QF52L0FP.PDF /.PS
application pour la mesure de sortie sur écran, aucune séparation

TUB matériel: code=rha4ta

http://130.149.60.45/~farbmetrik/QF52/QF52L0FP.PDF /.PS; linéarisation 3D
F: linéarisation 3D QF52/QF52LF30FP.DAT dans fichier (F), páge 5/29

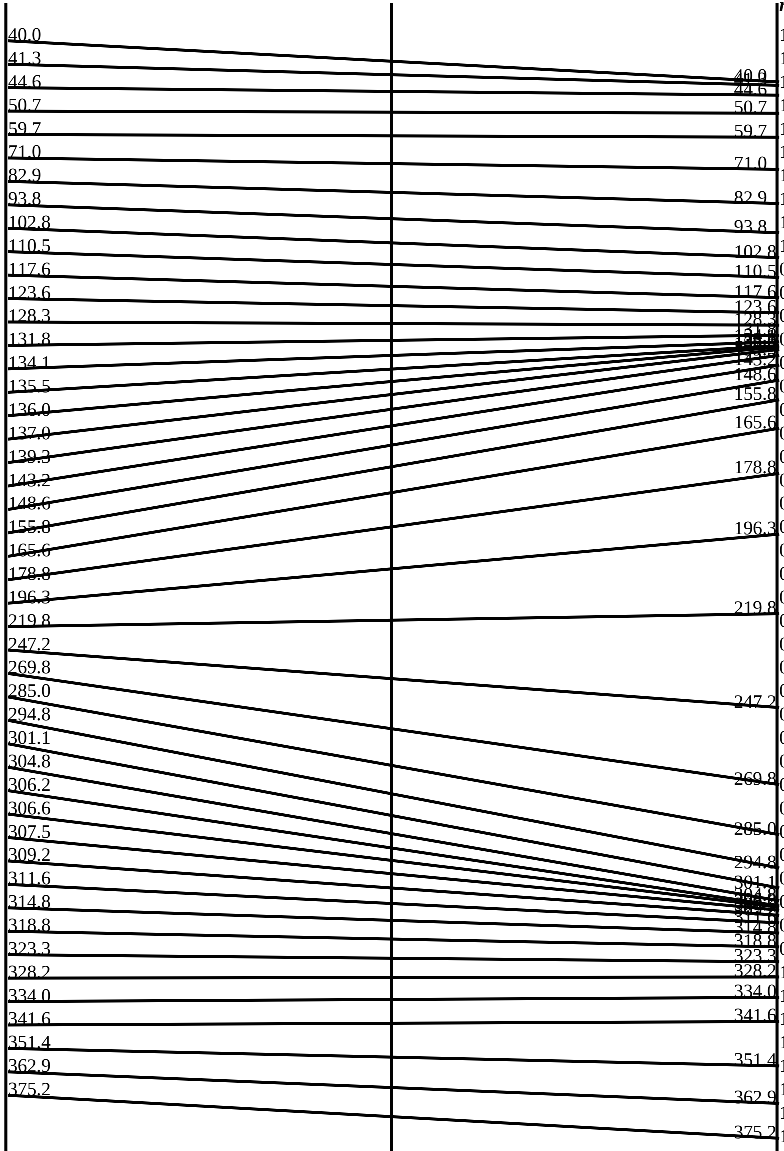
voir fichiers similaires: http://130.149.60.45/~farbmetrik/QF52/QF52.HTM
informations techniques: http://www.ps.bam.de ou http://130.149.60.45/~farbmetrik

TUB enregistrement: 20130201-QF52/QF52L0FP.PDF /.PS
application pour la mesure de sortie sur écran, aucune séparation

TUB matériel: code=rha4ta

Couleur maximale dans le système colorimetrique : sRGB standard device; no separation, D65 pour l'entrée et sortie; Six angles de teinte à 60 degrès 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*$_d$: $h_{ab,d}$ = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2; 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**ddx64M (x=LabCh)				
40.0	30.0	25.4	1.0	0.0	0.0	50.4	76.9	64.5	100.4	40.0
41.3	37.5	33.8	1.0	0.125	0.0	51.5	73.9	64.9	98.3	41.3
44.6	45.0	42.1	1.0	0.25	0.0	54.0	66.7	65.9	93.8	44.6
50.7	52.5	50.5	1.0	0.375	0.0	58.2	55.4	67.9	87.7	50.7
59.7	60.0	58.8	1.0	0.5	0.0	63.6	41.3	71.0	82.2	59.7
71.0	67.5	67.2	1.0	0.625	0.0	70.1	25.7	75.0	79.3	71.0
82.9	75.0	75.6	1.0	0.75	0.0	77.2	9.8	79.7	80.4	82.9
93.8	82.5	83.9	1.0	0.875	0.0	84.8	−5.7	85.0	85.2	93.8
102.8	90.0	92.3	1.0	1.0	0.0	92.6	−20.7	90.7	93.0	102.8
110.5	97.5	101.0	0.875	1.0	0.0	90.4	−33.1	88.1	94.1	110.5
117.6	105.0	109.7	0.75	1.0	0.0	88.5	−44.9	85.8	96.8	117.6
123.6	112.5	118.5	0.625	1.0	0.0	86.9	−55.8	83.9	100.7	123.6
128.3	120.0	127.2	0.5	1.0	0.0	85.7	−65.2	82.4	105.1	128.3
131.8	127.5	136.0	0.375	1.0	0.0	84.7	−72.8	81.2	109.1	131.8
134.1	135.0	144.7	0.25	1.0	0.0	84.1	−78.2	80.5	112.2	134.1
135.5	142.5	153.4	0.125	1.0	0.0	83.7	−81.4	80.0	114.2	135.5
136.0	150.0	162.2	0.0	1.0	0.0	83.6	−82.7	79.8	115.0	136.0
137.0	157.5	169.0	0.0	1.0	0.125	83.6	−82.1	76.6	112.3	137.0
139.3	165.0	175.9	0.0	1.0	0.25	83.8	−80.5	69.1	106.1	139.3
143.2	172.5	182.7	0.0	1.0	0.375	84.0	−77.8	58.1	97.1	143.2
148.6	180.0	189.6	0.0	1.0	0.5	84.3	−73.7	44.9	86.4	148.6
155.8	187.5	196.4	0.0	1.0	0.625	84.7	−68.5	30.6	75.0	155.8
165.6	195.0	203.2	0.0	1.0	0.75	85.3	−62.0	15.9	64.0	165.6
178.8	202.5	210.1	0.0	1.0	0.875	86.0	−54.5	1.0	54.5	178.8
196.3	210.0	216.9	0.0	1.0	1.0	86.8	−46.1	−13.5	48.1	196.3
219.8	217.5	223.8	0.0	0.875	1.0	77.9	−32.3	−27.0	42.1	219.8
247.2	225.0	230.6	0.0	0.75	1.0	69.1	−17.0	−40.7	44.1	247.2
269.8	232.5	237.5	0.0	0.625	1.0	60.3	−0.1	−54.6	54.6	269.8
285.0	240.0	244.3	0.0	0.5	1.0	51.7	18.3	−68.3	70.7	285.0
294.8	247.5	251.2	0.0	0.375	1.0	43.8	37.6	−81.2	89.5	294.8
301.1	255.0	258.0	0.0	0.25	1.0	37.1	55.9	−92.3	107.9	301.1
304.8	262.5	264.8	0.0	0.125	1.0	32.4	69.5	−100.0	121.8	304.8
306.2	270.0	271.7	0.0	0.0	1.0	30.3	76.0	−103.5	128.5	306.2
306.6	277.5	278.8	0.125	0.0	1.0	31.0	76.2	−102.4	127.7	306.6
307.5	285.0	285.9	0.25	0.0	1.0	32.6	76.8	−99.8	125.9	307.5
309.2	292.5	293.0	0.375	0.0	1.0	35.1	77.9	−95.5	123.3	309.2
311.6	300.0	300.1	0.5	0.0	1.0	38.5	79.8	−89.7	120.0	311.6
314.8	307.5	307.2	0.625	0.0	1.0	42.7	82.5	−82.7	116.8	314.8
318.8	315.0	314.3	0.75	0.0	1.0	47.2	85.8	−75.1	114.0	318.8
323.3	322.5	321.4	0.875	0.0	1.0	52.1	89.8	−66.9	112.0	323.3
328.2	330.0	328.6	1.0	0.0	1.0	57.2	94.3	−58.4	110.9	328.2
334.0	337.5	335.7	1.0	0.0	0.875	55.6	90.3	−43.9	100.4	334.0
341.6	345.0	342.8	1.0	0.0	0.75	54.2	86.7	−28.6	91.3	341.6
351.4	352.5	349.9	1.0	0.0	0.625	53.0	83.6	−12.6	84.6	351.4
362.9	360.0	357.0	1.0	0.0	0.5	52.0	81.1	4.1	81.2	362.9
375.2	367.5	364.1	1.0	0.0	0.375	51.3	79.2	21.6	82.1	375.2
386.7	375.0	371.2	1.0	0.0	0.25	50.8	77.9	39.2	87.2	386.7
395.4	382.5	378.3	1.0	0.0	0.125	50.6	77.2	54.9	94.8	395.4
400.0	390.0	385.4	1.0	0.0	0.0	50.4	76.9	64.5	100.4	400.0



*rgb**dex361M			*LAB**dex361M					rgb*dd	*rgb**ds	*rgb**de
1.0	0.0	0.263	50.9	78.3	37.3	86.7	25	■	■	■
1.0	0.0	0.156	50.7	77.7	51.0	92.9	33	■	■	■
1.0	0.157	0.0	52.2	72.0	65.3	97.2	42	■	■	■
1.0	0.358	0.0	57.7	56.9	67.8	88.6	49	■	■	■
1.0	0.488	0.0	63.1	42.8	70.9	82.8	58	■	■	■
1.0	0.577	0.0	67.6	31.8	73.9	80.5	66	■	■	■
1.0	0.673	0.0	72.8	19.8	77.3	79.8	75	■	■	■
1.0	0.755	0.0	77.5	9.3	80.1	80.6	83	■	■	■
1.0	0.857	0.0	83.7	−3.3	84.5	84.6	92	■	■	■
1.0	0.967	0.0	90.6	−16.4	89.5	91.0	100	■	■	■
0.888	1.0	0.0	90.7	−31.7	88.5	94.0	109	■	■	■
0.743	1.0	0.0	88.5	−45.4	85.8	97.1	117	■	■	■
0.529	1.0	0.0	86.0	−62.9	82.9	104.1	127	■	■	■
0.132	1.0	0.0	83.8	−81.2	80.1	114.1	135	■	■	■
0.0	1.0	0.41	84.1	−76.8	54.3	94.1	144	■	■	■
0.0	1.0	0.573	84.6	−70.9	36.3	79.8	152	■	■	■
0.0	1.0	0.706	85.2	−64.6	20.7	67.9	162	■	■	■
0.0	1.0	0.778	85.5	−60.6	12.2	61.9	168	■	■	□
0.0	1.0	0.847	85.9	−56.4	4.0	56.7	175	■	■	■
0.0	1.0	0.9	86.2	−53.2	−2.0	53.3	182	■	■	□
0.0	1.0	0.952	86.6	−49.8	−8.3	50.6	189	■	■	■
0.0	1.0	0.997	86.9	−46.3	−13.2	48.3	195	■	■	□
0.0	0.963	1.0	84.3	−42.5	−18.2	46.4	203	■	■	■
0.0	0.929	1.0	81.8	−38.8	−22.1	44.7	209	■	■	□
0.0	0.89	1.0	79.1	−34.2	−25.7	42.9	216	■	■	■
0.0	0.859	1.0	76.9	−30.7	−29.0	42.4	223	■	■	□
0.0	0.826	1.0	74.5	−27.1	−33.1	43.0	230	■	■	■
0.0	0.797	1.0	72.4	−23.5	−36.3	43.4	237	■	■	□
0.0	0.763	1.0	70.1	−18.9	−39.5	44.0	244	■	■	■
0.0	0.731	1.0	67.8	−15.0	−43.1	45.8	250	■	■	□
0.0	0.69	1.0	64.9	−10.1	−48.0	49.2	258	■	■	■
0.0	0.655	1.0	62.4	−5.0	−51.8	52.1	264	■	■	□
0.0	0.609	1.0	59.3	1.7	−56.5	56.6	271	■	■	■
0.0	0.555	1.0	55.5	9.3	−62.9	63.7	278	■	■	□
0.0	0.488	1.0	51.0	19.9	−69.6	72.5	285	■	■	■
0.0	0.404	1.0	45.7	32.7	−78.5	85.2	292	■	■	□
0.0	0.27	1.0	38.2	52.8	−90.6	105.0	300	■	■	■
0.146	0.0	1.0	31.3	76.4	−102.0	127.5	306	■	■	□
0.605	0.0	1.0	42.1	82.1	−83.8	117.4	314	■	■	■
0.811	0.0	1.0	49.7	87.9	−71.0	113.1	321	■	■	□
1.0	0.0	0.992	57.2	94.2	−57.4	110.3	328	■	■	■
1.0	0.0	0.856	55.4	89.9	−41.4	99.0	335	■	■	□
1.0	0.0	0.735	54.1	86.5	−26.6	90.6	342	■	■	■
1.0	0.0	0.65	53.3	84.5	−15.6	86.0	349	■	■	□
1.0	0.0	0.618	53.0	83.6	−11.6	84.4	352	■	■	■
1.0	0.0	0.533	52.3	82.2	−0.1	82.2	359	■	■	□
1.0	0.0	0.441	51.7	80.7	12.5	81.7	368	■	■	■
1.0	0.0	0.361	51.3	79.3	23.6	82.8	376	■	■	□
1.0	0.0	0.263	50.9	78.3	37.3	86.7	385	■	■	■

3−113430−L0 QF520−73 LAB*la0, YN=0%, XYZnw=0.0, 0.0, 0.0, 84.2, 88.6, 96.5, LAB*nw=0.0, 0.0, 0.0, 95.4, 0.0, 0.0

sortie: sRGB standard device; no separation, D65, page 5/29

graphique TUB-QF52; code de teinte: H*$_e$=Y50G$_e$
cercle chromatique 48 paliers; tableaux *rgb−LabCh**

entrée : *rgb/cmyk −> rgb*$_{de}$
sortie : linéarisation 3D selon *rgb**$_{de}$

http://130.149.60.45/~farbmetrik/QF52/QF52L0FP.PDF /.PS; linéarisation 3D
F: linéarisation 3D QF52/QF52LF30FP.DAT dans fichier (F), páge 6/29

voir fichiers similaires: http://130.149.60.45/~farbmetrik/QF52/QF52.HTM
informations techniques: http://www.ps.bam.de ou http://130.149.60.45/~farbmetrik

Couleur maximale dans le système colorimetrique : sRGB standard device; no separation, D65 pour l'entrée et sortie; Six angles de teinte à 60 degrès 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*$_d$: $h_{ab,d}$ = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2; 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)						*rgb**ds361Mi			*LAB**dsx361Mi (x=LabCh)						*rgb**dd361Mi			*rgb**de361Mi			*LAB**dex361Mi (x=LabCh)						*rgb**dd361Mi			*rgb**$_{dd}$	*rgb**$_{ds}$	*rgb**$_{de}$
40	30	25	1.0	0.0	0.0	50.4	76.9	64.5	100.4	40	R_d	1.0	0.0	0.203	50.8	78.0	45.1	90.1	30	R_s	1.0	0.0	0.0	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25	R_e	1.0	0.0	0.0	🟥	🟥	🟥
40	31	26	1.0	0.016	0.0	50.6	76.5	64.6	100.1	40		1.0	0.0	0.189	50.7	78.0	46.9	91.0	31		1.0	0.017	0.0	1.0	0.0	0.251	50.9	78.0	39.0	87.2	26		1.0	0.017	0.0	🟥	🟥	🟥
40	32	27	1.0	0.033	0.0	50.7	76.1	64.6	99.8	40		1.0	0.0	0.174	50.7	77.9	48.7	91.8	32		1.0	0.033	0.0	1.0	0.0	0.236	50.8	78.0	41.0	88.1	27		1.0	0.033	0.0	🟥	🟥	🟥
40	33	28	1.0	0.05	0.0	50.9	75.7	64.7	99.6	40		1.0	0.0	0.16	50.7	77.7	50.5	92.7	33		1.0	0.05	0.0	1.0	0.0	0.22	50.8	78.1	43.0	89.1	28		1.0	0.05	0.0	🟥	🟥	🟥
40	34	29	1.0	0.066	0.0	51.0	75.3	64.7	99.3	40		1.0	0.0	0.146	50.6	77.6	52.3	93.6	34		1.0	0.067	0.0	1.0	0.0	0.204	50.8	78.0	44.9	90.1	29		1.0	0.067	0.0	🟥	🟥	🟥
40	35	31	1.0	0.083	0.0	51.1	74.9	64.8	99.0	40		1.0	0.0	0.131	50.6	77.3	54.2	94.4	35		1.0	0.083	0.0	1.0	0.0	0.188	50.7	78.0	46.9	91.0	31		1.0	0.083	0.0	🟥	🟥	🟥
41	36	32	1.0	0.1	0.0	51.3	74.5	64.8	98.7	41		1.0	0.0	0.11	50.6	77.3	56.1	95.5	36		1.0	0.1	0.0	1.0	0.0	0.172	50.7	77.9	49.0	92.0	32		1.0	0.1	0.0	🟥	🟥	🟥
41	37	33	1.0	0.116	0.0	51.4	74.1	64.9	98.5	41		1.0	0.0	0.082	50.6	77.2	58.2	96.7	37		1.0	0.117	0.0	1.0	0.0	0.156	50.7	77.7	51.0	92.9	33		1.0	0.117	0.0	🟥	🟥	🟥
41	38	34	1.0	0.133	0.0	51.7	73.4	65.0	98.0	41		1.0	0.0	0.055	50.5	77.2	60.3	98.0	38		1.0	0.133	0.0	1.0	0.0	0.14	50.6	77.5	53.0	93.9	34		1.0	0.133	0.0	🟥	🟥	🟥
41	39	35	1.0	0.15	0.0	52.0	72.4	65.2	97.4	41		1.0	0.0	0.028	50.5	77.1	62.4	99.2	39		1.0	0.15	0.0	1.0	0.0	0.123	50.6	77.2	55.1	94.9	35		1.0	0.15	0.0	🟥	🟥	🟥
42	40	36	1.0	0.166	0.0	52.3	71.4	65.3	96.8	42		1.0	0.0	0.0	50.5	76.9	64.6	100.4	40		1.0	0.167	0.0	1.0	0.0	0.093	50.6	77.3	57.4	96.3	36		1.0	0.167	0.0	🟥	🟥	🟥
42	41	37	1.0	0.183	0.0	52.7	70.5	65.5	96.2	42		1.0	0.095	0.0	51.3	74.6	64.9	98.9	41		1.0	0.183	0.0	1.0	0.0	0.062	50.5	77.2	59.7	97.6	37		1.0	0.183	0.0	🟥	🟥	🟥
43	42	38	1.0	0.2	0.0	53.0	69.5	65.6	95.6	43		1.0	0.151	0.0	52.1	72.4	65.2	97.5	42		1.0	0.2	0.0	1.0	0.0	0.032	50.5	77.1	62.1	99.0	38		1.0	0.2	0.0	🟥	🟥	🟥
43	43	39	1.0	0.216	0.0	53.4	68.6	65.7	95.0	43		1.0	0.188	0.0	52.8	70.3	65.5	96.1	43		1.0	0.217	0.0	1.0	0.0	0.001	50.5	76.9	64.5	100.4	39		1.0	0.217	0.0	🟥	🟥	🟥
44	44	41	1.0	0.233	0.0	53.7	67.6	65.8	94.4	44		1.0	0.225	0.0	53.6	68.2	65.8	94.8	44		1.0	0.233	0.0	1.0	0.102	0.0	51.4	74.4	64.9	98.8	41		1.0	0.233	0.0	🟥	🟥	🟥
44	45	42	1.0	0.25	0.0	54.0	66.7	65.9	93.8	44		1.0	0.256	0.0	54.3	66.1	66.1	93.5	45		1.0	0.25	0.0	1.0	0.157	0.0	52.2	72.0	65.3	97.2	42		1.0	0.25	0.0	🟧	🟧	🟥
45	46	43	1.0	0.266	0.0	54.6	65.1	66.3	93.0	45		1.0	0.277	0.0	55.0	64.3	66.6	92.5	46		1.0	0.267	0.0	1.0	0.199	0.0	53.0	69.6	65.6	95.7	43		1.0	0.267	0.0	🟧	🟧	🟥
46	47	44	1.0	0.283	0.0	55.1	63.6	66.6	92.2	46		1.0	0.297	0.0	55.6	62.4	66.9	91.5	47		1.0	0.283	0.0	1.0	0.24	0.0	53.9	67.3	65.9	94.2	44		1.0	0.283	0.0	🟧	🟧	🟥
47	48	45	1.0	0.3	0.0	55.7	62.1	66.9	91.3	47		1.0	0.318	0.0	56.3	60.6	67.3	90.5	48		1.0	0.3	0.0	1.0	0.267	0.0	54.7	65.1	66.4	93.0	45		1.0	0.3	0.0	🟧	🟧	🟧
47	49	46	1.0	0.316	0.0	56.2	60.6	67.2	90.5	47		1.0	0.338	0.0	57.0	58.7	67.6	89.5	49		1.0	0.317	0.0	1.0	0.29	0.0	55.4	63.1	66.8	91.9	46		1.0	0.317	0.0	🟧	🟧	🟧
48	50	47	1.0	0.333	0.0	56.8	59.1	67.5	89.7	48		1.0	0.359	0.0	57.7	56.9	67.8	88.5	50		1.0	0.333	0.0	1.0	0.313	0.0	56.2	61.0	67.2	90.8	47		1.0	0.333	0.0	🟧	🟧	🟧
49	51	48	1.0	0.35	0.0	57.3	57.6	67.7	88.9	49		1.0	0.378	0.0	58.3	55.1	68.1	87.6	51		1.0	0.35	0.0	1.0	0.336	0.0	56.9	59.0	67.5	89.7	48		1.0	0.35	0.0	🟧	🟧	🟧
50	52	49	1.0	0.366	0.0	57.9	56.2	67.9	88.1	50		1.0	0.392	0.0	58.9	53.6	68.6	87.0	52		1.0	0.367	0.0	1.0	0.358	0.0	57.7	56.9	67.8	88.6	49		1.0	0.367	0.0	🟧	🟧	🟧
51	53	51	1.0	0.383	0.0	58.5	54.5	68.2	87.3	51		1.0	0.406	0.0	59.6	52.0	69.0	86.4	53		1.0	0.383	0.0	1.0	0.379	0.0	58.4	55.0	68.1	87.6	51		1.0	0.383	0.0	🟧	🟧	🟧
52	54	52	1.0	0.4	0.0	59.3	52.6	68.8	86.6	52		1.0	0.42	0.0	60.2	50.4	69.4	85.8	54		1.0	0.4	0.0	1.0	0.395	0.0	59.1	53.2	68.7	86.9	52		1.0	0.4	0.0	🟧	🟧	🟧
53	55	53	1.0	0.416	0.0	60.0	50.7	69.3	85.9	53		1.0	0.433	0.0	60.8	48.8	69.8	85.2	55		1.0	0.417	0.0	1.0	0.41	0.0	59.7	51.5	69.1	86.2	53		1.0	0.417	0.0	🟧	🟧	🟧
54	56	54	1.0	0.433	0.0	60.7	48.8	69.7	85.1	54		1.0	0.447	0.0	61.4	47.3	70.1	84.5	56		1.0	0.433	0.0	1.0	0.426	0.0	60.4	49.7	69.6	85.5	54		1.0	0.433	0.0	🟧	🟧	🟧
56	57	55	1.0	0.45	0.0	61.4	46.9	70.1	84.4	56		1.0	0.461	0.0	62.0	45.7	70.4	83.9	57		1.0	0.45	0.0	1.0	0.441	0.0	61.1	48.0	69.9	84.8	55		1.0	0.45	0.0	🟧	🟧	🟧
57	58	56	1.0	0.466	0.0	62.2	45.1	70.4	83.6	57		1.0	0.475	0.0	62.6	44.1	70.7	83.3	58		1.0	0.467	0.0	1.0	0.457	0.0	61.8	46.2	70.3	84.1	56		1.0	0.467	0.0	🟧	🟧	🟧
58	59	57	1.0	0.483	0.0	62.9	43.2	70.7	82.9	58		1.0	0.489	0.0	63.2	42.6	70.9	82.7	59		1.0	0.483	0.0	1.0	0.472	0.0	62.5	44.5	70.6	83.4	57		1.0	0.483	0.0	🟧	🟧	🟧
59	60	58	1.0	0.5	0.0	63.6	41.3	71.0	82.2	59		1.0	0.502	0.0	63.8	41.1	71.2	82.2	60		1.0	0.5	0.0	1.0	0.488	0.0	63.1	42.8	70.9	82.8	58		1.0	0.5	0.0	🟧	🟧	🟧
61	61	60	1.0	0.516	0.0	64.5	39.3	71.7	81.8	61		1.0	0.513	0.0	64.4	39.7	71.6	81.9	61		1.0	0.517	0.0	1.0	0.502	0.0	63.8	41.1	71.2	82.2	60		1.0	0.517	0.0	🟧	🟧	🟧
62	62	61	1.0	0.533	0.0	65.3	37.2	72.4	81.4	62		1.0	0.525	0.0	64.9	38.3	72.1	81.7	62		1.0	0.533	0.0	1.0	0.515	0.0	64.4	39.5	71.7	81.9	61		1.0	0.533	0.0	🟧	🟧	🟧
64	63	62	1.0	0.55	0.0	66.2	35.1	73.0	81.0	64		1.0	0.536	0.0	65.5	37.0	72.5	81.4	63		1.0	0.55	0.0	1.0	0.527	0.0	65.1	38.0	72.2	81.6	62		1.0	0.55	0.0	🟧	🟧	🟧
65	64	63	1.0	0.566	0.0	67.1	33.0	73.5	80.6	65		1.0	0.547	0.0	66.1	35.6	72.9	81.1	64		1.0	0.567	0.0	1.0	0.54	0.0	65.7	36.5	72.7	81.3	63		1.0	0.567	0.0	🟧	🟧	🟧
67	65	64	1.0	0.583	0.0	67.9	31.0	74.0	80.3	67		1.0	0.558	0.0	66.7	34.2	73.3	80.9	65		1.0	0.583	0.0	1.0	0.552	0.0	66.4	34.9	73.1	81.0	64		1.0	0.583	0.0	🟧	🟧	🟧
68	66	65	1.0	0.6	0.0	68.8	28.9	74.5	79.9	68		1.0	0.569	0.0	67.2	32.8	73.7	80.6	66		1.0	0.6	0.0	1.0	0.564	0.0	67.0	33.4	73.5	80.7	65		1.0	0.6	0.0	🟧	🟧	🟧
70	67	66	1.0	0.616	0.0	69.6	26.8	74.8	79.5	70		1.0	0.58	0.0	67.8	31.4	74.0	80.4	67		1.0	0.617	0.0	1.0	0.577	0.0	67.6	31.8	73.9	80.5	66		1.0	0.617	0.0	🟧	🟧	🟧
71	68	67	1.0	0.633	0.0	70.5	24.7	75.4	79.4	71		1.0	0.591	0.0	68.4	30.0	74.3	80.1	68		1.0	0.633	0.0	1.0	0.589	0.0	68.3	30.3	74.2	80.2	67		1.0	0.633	0.0	🟧	🟧	🟧
73	69	68	1.0	0.65	0.0	71.5	22.7	76.2	79.5	73		1.0	0.602	0.0	69.0	28.6	74.6	79.9	69		1.0	0.65	0.0	1.0	0.602	0.0	68.9	28.7	74.5	79.9	68		1.0	0.65	0.0	🟧	🟧	🟧
75	70	70	1.0	0.666	0.0	72.4	20.6	76.9	79.7	75		1.0	0.614	0.0	69.5	27.2	74.8	79.6	70		1.0	0.667	0.0	1.0	0.614	0.0	69.5	27.2	74.8	79.6	70		1.0	0.667	0.0	🟧	🟧	🟧
76	71	71	1.0	0.683	0.0	73.4	18.5	77.6	79.8	76		1.0	0.625	0.0	70.1	25.8	75.0	79.4	71		1.0	0.683	0.0	1.0	0.626	0.0	70.2	25.6	75.1	79.4	71		1.0	0.683	0.0	🟨	🟨	🟨
78	72	72	1.0	0.7	0.0	74.3	16.3	78.2	79.9	78		1.0	0.635	0.0	70.7	24.5	75.6	79.4	72		1.0	0.7	0.0	1.0	0.638	0.0	70.9	24.2	75.7	79.5	72		1.0	0.7	0.0	🟨	🟨	🟨
79	73	73	1.0	0.716	0.0	75.3	14.2	78.8	80.1	79		1.0	0.646	0.0	71.3	23.3	76.1	79.5	73		1.0	0.717	0.0	1.0	0.65	0.0	71.5	22.8	76.2	79.6	73		1.0	0.717	0.0	🟨	🟨	🟨
81	74	74	1.0	0.733	0.0	76.2	12.0	79.3	80.2	81		1.0	0.656	0.0	71.9	21.9	76.5	79.6	74		1.0	0.733	0.0	1.0	0.661	0.0	72.2	21.3	76.8	79.7	74		1.0	0.733	0.0	🟨	🟨	🟨
82	75	75	1.0	0.75	0.0	77.2	9.8	79.7	80.4	82		1.0	0.667	0.0	72.5	20.6	77.0	79.7	75		1.0	0.75	0.0	1.0	0.673	0.0	72.8	19.8	77.3	79.8	75		1.0	0.75	0.0	🟨	🟨	🟨

3−113530−L0 QF520−73 LAB*la0, YN=0%, XYZnw=0.0, 0.0, 0.0, 84.2, 88.6, 96.5, LAB*nw=0.0, 0.0, 0.0, 95.4, 0.0, 0.0

sortie: sRGB standard device; no separation, D65, page 6/29

TUB enregistrement: 20130201-QF52/QF52L0FP.PDF /.PS
application pour la mesure de sortie sur écran, aucune séparation

TUB matériel: code=rha4ta

graphique TUB-QF52; code de teinte: H*$_e$=Y50G$_e$
cercle chromatique 48 paliers; tableaux *rgb−LabCh**

entrée : *rgb/cmyk* −> *rgb*$_{de}$
sortie : linéarisation 3D selon *rgb**$_{de}$

3−113530−F0

http://130.149.60.45/~farbmetrik/QF52/QF52L0FP.PDF /.PS; linéarisation 3D
F: linéarisation 3D QF52/QF52LF30FP.DAT dans fichier (F), páge 7/29

voir fichiers similaires: http://130.149.60.45/~farbmetrik/QF52/QF52.HTM
informations techniques: http://www.ps.bam.de ou http://130.149.60.45/~farbmetrik

Couleur maximale dans le système colorimetrique : sRGB standard device; no separation, D65 pour l'entrée et sortie; Six angles de teinte à 60 degrès 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*$_d$: $h_{ab,d}$ = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2; 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)					*rgb**ds361Mi			*LAB**dsx361Mi (x=LabCh)					*rgb**dd361Mi			*rgb**de361Mi			*LAB**dex361Mi (x=LabCh)					*rgb**dd361Mi			*rgb**$_{dd}$	*rgb**$_{ds}$	*rgb**$_{de}$
82	75	75	1.0	0.75	0.0	77.2	9.8	79.7	80.4	82	1.0	0.667	0.0	72.5	20.6	77.0	79.7	75	1.0	0.75	0.0	1.0	0.673	0.0	72.8	19.8	77.3	79.8	75	1.0	0.75	0.0	🟨	🟨	🟨
84	76	76	1.0	0.766	0.0	78.2	7.8	80.6	81.0	84	1.0	0.677	0.0	73.1	19.3	77.4	79.8	76	1.0	0.767	0.0	1.0	0.685	0.0	73.5	18.3	77.7	79.9	76	1.0	0.767	0.0	🟨	🟨	🟨
85	77	77	1.0	0.783	0.0	79.2	5.8	81.4	81.7	85	1.0	0.688	0.0	73.7	18.0	77.8	79.9	77	1.0	0.783	0.0	1.0	0.696	0.0	74.2	16.9	78.2	80.0	77	1.0	0.783	0.0	🟨	🟨	🟨
87	78	78	1.0	0.8	0.0	80.2	3.8	82.2	82.3	87	1.0	0.698	0.0	74.3	16.6	78.2	80.0	78	1.0	0.8	0.0	1.0	0.708	0.0	74.8	15.3	78.6	80.1	78	1.0	0.8	0.0	🟨	🟨	🟨
88	79	80	1.0	0.816	0.0	81.2	1.7	82.9	83.0	88	1.0	0.708	0.0	74.9	15.3	78.6	80.1	79	1.0	0.817	0.0	1.0	0.72	0.0	75.5	13.8	78.9	80.1	80	1.0	0.817	0.0	🟨	🟨	🟨
90	80	81	1.0	0.833	0.0	82.2	−0.3	83.6	83.6	90	1.0	0.719	0.0	75.5	13.9	78.9	80.1	80	1.0	0.833	0.0	1.0	0.731	0.0	76.2	12.3	79.3	80.2	81	1.0	0.833	0.0	🟨	🟨	🟨
91	81	82	1.0	0.85	0.0	83.3	−2.5	84.2	84.3	91	1.0	0.729	0.0	76.1	12.6	79.2	80.2	81	1.0	0.85	0.0	1.0	0.743	0.0	76.8	10.8	79.6	80.3	82	1.0	0.85	0.0	🟨	🟨	🟨
93	82	83	1.0	0.866	0.0	84.3	−4.6	84.8	84.9	93	1.0	0.74	0.0	76.7	11.2	79.5	80.3	82	1.0	0.867	0.0	1.0	0.755	0.0	77.5	9.3	80.1	80.6	83	1.0	0.867	0.0	🟨	🟨	🟨
94	83	84	1.0	0.883	0.0	85.3	−6.7	85.5	85.8	94	1.0	0.75	0.0	77.3	9.8	79.8	80.4	83	1.0	0.883	0.0	1.0	0.768	0.0	78.3	7.8	80.7	81.1	84	1.0	0.883	0.0	🟨	🟨	🟨
95	84	85	1.0	0.9	0.0	86.3	−8.5	86.4	86.8	95	1.0	0.762	0.0	78.0	8.5	80.4	80.9	84	1.0	0.9	0.0	1.0	0.78	0.0	79.1	6.2	81.4	81.6	85	1.0	0.9	0.0	🟨	🟨	🟨
96	85	86	1.0	0.916	0.0	87.4	−10.5	87.2	87.8	96	1.0	0.773	0.0	78.7	7.1	81.0	81.3	85	1.0	0.917	0.0	1.0	0.793	0.0	79.9	4.7	82.0	82.1	86	1.0	0.917	0.0	🟨	🟨	🟨
98	86	87	1.0	0.933	0.0	88.4	−12.4	88.0	88.9	98	1.0	0.785	0.0	79.3	5.7	81.6	81.8	86	1.0	0.933	0.0	1.0	0.806	0.0	80.6	3.1	82.5	82.6	87	1.0	0.933	0.0	🟨	🟨	🟨
99	87	88	1.0	0.95	0.0	89.5	−14.4	88.7	89.9	99	1.0	0.796	0.0	80.0	4.3	82.1	82.2	87	1.0	0.95	0.0	1.0	0.819	0.0	81.4	1.5	83.1	83.1	88	1.0	0.95	0.0	🟨	🟨	🟨
100	88	90	1.0	0.966	0.0	90.5	−16.5	89.4	91.0	100	1.0	0.808	0.0	80.7	2.9	82.6	82.7	88	1.0	0.967	0.0	1.0	0.831	0.0	82.2	0.0	83.6	83.6	90	1.0	0.967	0.0	🟨	🟨	🟨
101	89	91	1.0	0.983	0.0	91.6	−18.5	90.1	92.0	101	1.0	0.819	0.0	81.4	1.5	83.1	83.1	89	1.0	0.983	0.0	1.0	0.844	0.0	83.0	−1.7	84.1	84.1	91	1.0	0.983	0.0	🟨	🟨	🟨
102	90	92	1.0	1.0	0.0	92.6	−20.7	90.7	93.0	102 Y_d	1.0	0.831	0.0	82.1	0.0	83.5	83.5	90 Y_s	1.0	1.0	0.0	1.0	0.857	0.0	83.7	−3.3	84.5	84.6	92 Y_e	1.0	1.0	0.0	🟨	🟨	🟨
103	91	93	0.983	1.0	0.0	92.3	−22.3	90.5	93.2	103	1.0	0.842	0.0	82.8	−1.4	84.0	84.0	91	0.983	1.0	0.0	1.0	0.87	0.0	84.5	−5.1	84.9	85.1	93	0.983	1.0	0.0	🟨	🟨	🟨
104	92	94	0.966	1.0	0.0	92.0	−24.0	90.2	93.3	104	1.0	0.853	0.0	83.5	−2.8	84.4	84.4	92	0.967	1.0	0.0	1.0	0.886	0.0	85.5	−6.9	85.7	85.9	94	0.967	1.0	0.0	🟨	🟨	🟨
105	93	95	0.95	1.0	0.0	91.7	−25.6	89.9	93.5	105	1.0	0.865	0.0	84.2	−4.3	84.8	84.9	93	0.95	1.0	0.0	1.0	0.902	0.0	86.5	−8.7	86.5	87.0	95	0.95	1.0	0.0	🟨	🟨	🟨
106	94	96	0.933	1.0	0.0	91.4	−27.3	89.5	93.6	106	1.0	0.877	0.0	84.9	−5.9	85.2	85.4	94	0.933	1.0	0.0	1.0	0.918	0.0	87.5	−10.6	87.3	88.0	96	0.933	1.0	0.0	🟨	🟨	🟨
108	95	98	0.916	1.0	0.0	91.1	−28.9	89.1	93.7	108	1.0	0.891	0.0	85.8	−7.4	85.9	86.3	95	0.917	1.0	0.0	1.0	0.934	0.0	88.5	−12.5	88.1	89.0	98	0.917	1.0	0.0	🟨	🟨	🟨
109	96	99	0.9	1.0	0.0	90.8	−30.6	88.7	93.9	109	1.0	0.904	0.0	86.7	−9.0	86.6	87.1	96	0.9	1.0	0.0	1.0	0.951	0.0	89.6	−14.4	88.8	90.0	99	0.9	1.0	0.0	🟨	🟨	🟨
110	97	100	0.883	1.0	0.0	90.5	−32.2	88.3	94.0	110	1.0	0.918	0.0	87.5	−10.6	87.3	88.0	97	0.883	1.0	0.0	1.0	0.967	0.0	90.6	−16.4	89.5	91.0	100	0.883	1.0	0.0	🟨	🟨	🟨
111	98	101	0.866	1.0	0.0	90.3	−33.8	88.0	94.3	111	1.0	0.932	0.0	88.4	−12.3	88.0	88.9	98	0.867	1.0	0.0	1.0	0.983	0.0	91.6	−18.5	90.1	92.0	101	0.867	1.0	0.0	🟨	🟨	🟨
111	99	102	0.85	1.0	0.0	90.0	−35.4	87.7	94.6	111	1.0	0.946	0.0	89.3	−13.9	88.6	89.7	99	0.85	1.0	0.0	1.0	0.999	0.0	92.6	−20.5	90.7	93.0	102	0.85	1.0	0.0	🟨	🟨	🟨
112	100	103	0.833	1.0	0.0	89.8	−37.0	87.5	95.0	112	1.0	0.96	0.0	90.2	−15.6	89.2	90.6	100	0.833	1.0	0.0	0.982	1.0	0.0	92.3	−22.4	90.5	93.2	103	0.833	1.0	0.0	🟨	🟨	🟨
113	101	105	0.816	1.0	0.0	89.5	−38.6	87.2	95.4	113	1.0	0.974	0.0	91.0	−17.4	89.8	91.5	101	0.817	1.0	0.0	0.963	1.0	0.0	92.0	−24.3	90.2	93.4	105	0.817	1.0	0.0	🟨	🟨	🟨
114	102	106	0.8	1.0	0.0	89.3	−40.1	86.9	95.7	114	1.0	0.988	0.0	91.9	−19.1	90.3	92.3	102	0.8	1.0	0.0	0.944	1.0	0.0	91.7	−26.1	89.8	93.6	106	0.8	1.0	0.0	🟨	🟨	🟨
115	103	107	0.783	1.0	0.0	89.0	−41.7	86.6	96.1	115	0.998	1.0	0.0	92.6	−20.8	90.7	93.1	103	0.783	1.0	0.0	0.926	1.0	0.0	91.3	−28.0	89.4	93.7	107	0.783	1.0	0.0	🟨	🟨	🟨
116	104	108	0.766	1.0	0.0	88.7	−43.3	86.2	96.5	116	0.981	1.0	0.0	92.3	−22.5	90.5	93.2	104	0.767	1.0	0.0	0.907	1.0	0.0	91.0	−29.9	89.0	93.9	108	0.767	1.0	0.0	🟨	🟨	🟨
117	105	109	0.75	1.0	0.0	88.5	−44.9	85.8	96.8	117	0.965	1.0	0.0	92.0	−24.1	90.2	93.4	105	0.75	1.0	0.0	0.888	1.0	0.0	90.7	−31.7	88.5	94.0	109	0.75	1.0	0.0	🟨	🟨	🟨
118	106	110	0.733	1.0	0.0	88.3	−46.3	85.6	97.4	118	0.949	1.0	0.0	91.8	−25.7	89.9	93.5	106	0.733	1.0	0.0	0.868	1.0	0.0	90.3	−33.6	88.0	94.3	110	0.733	1.0	0.0	🟨	🟨	🟨
119	107	112	0.716	1.0	0.0	88.1	−47.8	85.4	97.9	119	0.933	1.0	0.0	91.5	−27.3	89.6	93.6	107	0.717	1.0	0.0	0.848	1.0	0.0	90.0	−35.6	87.8	94.7	112	0.717	1.0	0.0	🟨	🟨	🟨
120	108	113	0.7	1.0	0.0	87.9	−49.2	85.2	98.4	120	0.917	1.0	0.0	91.2	−28.9	89.2	93.8	108	0.7	1.0	0.0	0.827	1.0	0.0	89.7	−37.5	87.4	95.2	113	0.7	1.0	0.0	🟨	🟨	🟨
120	109	114	0.683	1.0	0.0	87.6	−50.7	84.9	98.9	120	0.901	1.0	0.0	90.9	−30.5	88.8	93.9	109	0.683	1.0	0.0	0.806	1.0	0.0	89.4	−39.5	87.1	95.7	114	0.683	1.0	0.0	🟨	🟨	🟨
121	110	115	0.666	1.0	0.0	87.4	−52.1	84.7	99.4	121	0.884	1.0	0.0	90.6	−32.1	88.4	94.1	110	0.667	1.0	0.0	0.786	1.0	0.0	89.1	−41.5	86.7	96.1	115	0.667	1.0	0.0	🟨	🟨	🟨
122	111	116	0.65	1.0	0.0	87.2	−53.6	84.4	100.0	122	0.868	1.0	0.0	90.3	−33.7	88.0	94.3	111	0.65	1.0	0.0	0.765	1.0	0.0	88.8	−43.4	86.2	96.6	116	0.65	1.0	0.0	🟨	🟨	🟨
123	112	117	0.633	1.0	0.0	87.0	−55.0	84.1	100.5	123	0.85	1.0	0.0	90.1	−35.4	87.8	94.7	112	0.633	1.0	0.0	0.743	1.0	0.0	88.5	−45.4	85.8	97.1	117	0.633	1.0	0.0	🟨	🟨	🟨
123	113	119	0.616	1.0	0.0	86.8	−56.4	83.8	101.0	123	0.832	1.0	0.0	89.8	−37.1	87.5	95.1	113	0.617	1.0	0.0	0.719	1.0	0.0	88.2	−47.5	85.5	97.9	119	0.617	1.0	0.0	🟨	🟨	🟨
124	114	120	0.6	1.0	0.0	86.7	−57.6	83.7	101.6	124	0.814	1.0	0.0	89.5	−38.7	87.2	95.5	114	0.6	1.0	0.0	0.695	1.0	0.0	87.8	−49.6	85.2	98.6	120	0.6	1.0	0.0	🟨	🟨	🟨
125	115	121	0.583	1.0	0.0	86.5	−58.9	83.5	102.2	125	0.797	1.0	0.0	89.3	−40.4	86.9	95.9	115	0.583	1.0	0.0	0.67	1.0	0.0	87.5	−51.7	84.8	99.4	121	0.583	1.0	0.0	🟨	🟨	🟨
125	116	122	0.566	1.0	0.0	86.3	−60.1	83.3	102.8	125	0.779	1.0	0.0	89.0	−42.1	86.5	96.3	116	0.567	1.0	0.0	0.646	1.0	0.0	87.2	−53.9	84.4	100.1	122	0.567	1.0	0.0	🟨	🟨	🟨
126	117	123	0.55	1.0	0.0	86.2	−61.4	83.1	103.3	126	0.761	1.0	0.0	88.7	−43.8	86.1	96.6	117	0.55	1.0	0.0	0.621	1.0	0.0	86.9	−56.0	83.9	100.9	123	0.55	1.0	0.0	🟨	🟨	🟨
127	118	124	0.533	1.0	0.0	86.0	−62.7	82.9	103.9	127	0.742	1.0	0.0	88.4	−45.5	85.8	97.1	118	0.533	1.0	0.0	0.59	1.0	0.0	86.6	−58.3	83.6	102.0	124	0.533	1.0	0.0	🟨	🟨	🟨
127	119	126	0.516	1.0	0.0	85.8	−63.9	82.6	104.5	127	0.721	1.0	0.0	88.2	−47.3	85.5	97.8	119	0.517	1.0	0.0	0.56	1.0	0.0	86.3	−60.6	83.3	103.1	126	0.517	1.0	0.0	🟨	🟨	🟨
128	120	127	0.5	1.0	0.0	85.7	−65.2	82.4	105.1	128	0.7	1.0	0.0	87.9	−49.1	85.3	98.4	120	0.5	1.0	0.0	0.529	1.0	0.0	86.0	−62.9	82.9	104.1	127	0.5	1.0	0.0	🟨	🟨	🟨

3−113630−L0 QF520−73 LAB*la0, YN=0%, XYZnw=0.0, 0.0, 0.0, 84.2, 88.6, 96.5, LAB*nw=0.0, 0.0, 0.0, 95.4, 0.0, 0.0

sortie: sRGB standard device; no separation, D65, page 7/29

TUB enregistrement: 20130201-QF52/QF52L0FP.PDF /.PS
application pour la mesure de sortie sur écran, aucune séparation

TUB matériel: code=rha4ta

graphique TUB-QF52; code de teinte: H*$_e$=Y50G$_e$
cercle chromatique 48 paliers; tableaux *rgb−LabCh**

entrée : *rgb/cmyk −> rgb*$_{de}$
sortie : linéarisation 3D selon *rgb**$_{de}$

http://130.149.60.45/~farbmetrik/QF52/QF52L0FP.PDF /.PS; linéarisation 3D
F: linéarisation 3D QF52/QF52LF30FP.DAT dans fichier (F), páge 8/29

Couleur maximale dans le système colorimetrique : sRGB standard device; no separation, D65 pour l'entrée et sortie; Six angles de teinte à 60 degrès 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*$_d$: $h_{ab,d}$ = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2; 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)					rgb*ds361Mi			LAB*dsx361Mi (x=LabCh)					rgb*dd361Mi			rgb*de361Mi			LAB*dex361Mi (x=LabCh)					rgb*dd361Mi			rgb*dd	rgb*ds	rgb*de
128	120	127	0.5	1.0	0.0	85.7	−65.2	82.4	105.1	128	0.7	1.0	0.0	87.9	−49.1	85.3	98.4	120	0.5	1.0	0.0	0.529	1.0	0.0	86.0	−62.9	82.9	104.1	127	0.5	1.0	0.0	■	■	■
128	121	128	0.483	1.0	0.0	85.5	−66.2	82.3	105.6	128	0.68	1.0	0.0	87.7	−50.9	84.9	99.1	121	0.483	1.0	0.0	0.498	1.0	0.0	85.7	−65.3	82.4	105.2	128	0.483	1.0	0.0	■	■	■
129	122	129	0.466	1.0	0.0	85.4	−67.2	82.1	106.1	129	0.659	1.0	0.0	87.4	−52.8	84.6	99.7	122	0.467	1.0	0.0	0.456	1.0	0.0	85.4	−67.8	82.1	106.5	129	0.467	1.0	0.0	■	■	■
129	123	130	0.45	1.0	0.0	85.3	−68.2	82.0	106.7	129	0.638	1.0	0.0	87.1	−54.6	84.2	100.4	123	0.45	1.0	0.0	0.414	1.0	0.0	85.1	−70.3	81.7	107.9	130	0.45	1.0	0.0	■	■	■
130	124	131	0.433	1.0	0.0	85.2	−69.2	81.8	107.2	130	0.615	1.0	0.0	86.9	−56.5	83.9	101.1	124	0.433	1.0	0.0	0.372	1.0	0.0	84.7	−72.9	81.3	109.2	131	0.433	1.0	0.0	■	■	■
130	125	133	0.416	1.0	0.0	85.0	−70.2	81.7	107.8	130	0.589	1.0	0.0	86.6	−58.4	83.6	102.1	125	0.417	1.0	0.0	0.309	1.0	0.0	84.4	−75.6	80.9	110.8	133	0.417	1.0	0.0	■	■	■
131	126	134	0.4	1.0	0.0	84.9	−71.3	81.5	108.3	131	0.562	1.0	0.0	86.3	−60.4	83.3	103.0	126	0.4	1.0	0.0	0.244	1.0	0.0	84.1	−78.3	80.5	112.4	134	0.4	1.0	0.0	■	■	■
131	127	135	0.383	1.0	0.0	84.8	−72.3	81.3	108.8	131	0.536	1.0	0.0	86.1	−62.4	83.0	103.9	127	0.383	1.0	0.0	0.132	1.0	0.0	83.8	−81.2	80.1	114.1	135	0.383	1.0	0.0	■	■	■
132	128	136	0.366	1.0	0.0	84.7	−73.2	81.2	109.3	132	0.51	1.0	0.0	85.8	−64.4	82.6	104.8	128	0.367	1.0	0.0	0.0	1.0	0.073	83.7	−82.3	78.0	113.5	136	0.367	1.0	0.0	■	■	■
132	129	137	0.35	1.0	0.0	84.6	−73.9	81.1	109.7	132	0.477	1.0	0.0	85.5	−66.5	82.3	105.8	129	0.35	1.0	0.0	0.0	1.0	0.165	83.7	−81.6	74.2	110.4	137	0.35	1.0	0.0	■	■	■
132	130	138	0.333	1.0	0.0	84.5	−74.6	81.0	110.1	132	0.442	1.0	0.0	85.3	−68.7	82.0	107.0	130	0.333	1.0	0.0	0.0	1.0	0.227	83.8	−80.8	70.5	107.3	138	0.333	1.0	0.0	■	■	■
132	131	140	0.316	1.0	0.0	84.4	−75.3	80.9	110.6	132	0.406	1.0	0.0	85.0	−70.9	81.6	108.1	131	0.317	1.0	0.0	0.0	1.0	0.273	83.8	−80.0	67.0	104.5	140	0.317	1.0	0.0	■	■	■
133	132	141	0.3	1.0	0.0	84.3	−76.0	80.8	111.0	133	0.368	1.0	0.0	84.7	−73.1	81.2	109.3	132	0.3	1.0	0.0	0.0	1.0	0.311	83.9	−79.3	63.7	101.8	141	0.3	1.0	0.0	■	■	■
133	133	142	0.283	1.0	0.0	84.2	−76.8	80.7	111.4	133	0.314	1.0	0.0	84.5	−75.4	80.9	110.7	133	0.283	1.0	0.0	0.0	1.0	0.349	84.0	−78.4	60.4	99.0	142	0.283	1.0	0.0	■	■	■
133	134	143	0.266	1.0	0.0	84.2	−77.5	80.6	111.8	133	0.261	1.0	0.0	84.2	−77.7	80.6	112.0	134	0.267	1.0	0.0	0.0	1.0	0.383	84.0	−77.5	57.3	96.4	143	0.267	1.0	0.0	■	■	■
134	135	144	0.25	1.0	0.0	84.1	−78.2	80.5	112.2	134	0.173	1.0	0.0	83.9	−80.2	80.3	113.5	135	0.25	1.0	0.0	0.0	1.0	0.41	84.1	−76.8	54.3	94.1	144	0.25	1.0	0.0	■	■	■
134	136	145	0.233	1.0	0.0	84.0	−78.7	80.4	112.5	134	0.004	1.0	0.0	83.6	−82.6	79.9	115.0	136	0.233	1.0	0.0	0.0	1.0	0.437	84.2	−75.9	51.5	91.8	145	0.233	1.0	0.0	■	■	■
134	137	147	0.216	1.0	0.0	84.0	−79.1	80.4	112.8	134	0.0	1.0	0.125	83.7	−82.1	76.6	112.3	137	0.217	1.0	0.0	0.0	1.0	0.464	84.2	−75.0	48.7	89.5	147	0.217	1.0	0.0	■	■	■
134	138	148	0.2	1.0	0.0	83.9	−79.5	80.3	113.0	134	0.0	1.0	0.178	83.7	−81.4	73.4	109.7	138	0.2	1.0	0.0	0.0	1.0	0.491	84.3	−74.1	45.9	87.2	148	0.2	1.0	0.0	■	■	■
134	139	149	0.183	1.0	0.0	83.9	−79.9	80.2	113.3	134	0.0	1.0	0.231	83.8	−80.7	70.3	107.1	139	0.183	1.0	0.0	0.0	1.0	0.513	84.4	−73.3	43.4	85.2	149	0.183	1.0	0.0	■	■	■
135	140	150	0.166	1.0	0.0	83.8	−80.4	80.2	113.5	135	0.0	1.0	0.271	83.8	−80.1	67.3	104.7	140	0.167	1.0	0.0	0.0	1.0	0.533	84.5	−72.5	41.0	83.4	150	0.167	1.0	0.0	■	■	■
135	141	151	0.15	1.0	0.0	83.8	−80.8	80.1	113.8	135	0.0	1.0	0.303	83.9	−79.4	64.4	102.3	141	0.15	1.0	0.0	0.0	1.0	0.553	84.5	−71.7	38.6	81.6	151	0.15	1.0	0.0	■	■	■
135	142	152	0.133	1.0	0.0	83.7	−81.2	80.1	114.1	135	0.0	1.0	0.335	83.9	−78.7	61.6	100.0	142	0.133	1.0	0.0	0.0	1.0	0.573	84.6	−70.9	36.3	79.8	152	0.133	1.0	0.0	■	■	■
135	143	154	0.116	1.0	0.0	83.7	−81.5	80.0	114.2	135	0.0	1.0	0.368	84.0	−77.9	58.8	97.7	143	0.117	1.0	0.0	0.0	1.0	0.593	84.7	−70.0	34.1	77.9	154	0.117	1.0	0.0	■	■	■
135	144	155	0.1	1.0	0.0	83.7	−81.7	80.0	114.4	135	0.0	1.0	0.393	84.1	−77.3	56.2	95.6	144	0.1	1.0	0.0	0.0	1.0	0.614	84.7	−69.0	31.9	76.1	155	0.1	1.0	0.0	■	■	■
135	145	156	0.083	1.0	0.0	83.7	−81.9	80.0	114.5	135	0.0	1.0	0.416	84.1	−76.6	53.7	93.6	145	0.083	1.0	0.0	0.0	1.0	0.631	84.8	−68.2	29.8	74.5	156	0.083	1.0	0.0	■	■	■
135	146	157	0.066	1.0	0.0	83.7	−82.0	79.9	114.6	135	0.0	1.0	0.439	84.2	−75.9	51.3	91.7	146	0.067	1.0	0.0	0.0	1.0	0.646	84.9	−67.5	27.9	73.2	157	0.067	1.0	0.0	■	■	■
135	147	158	0.049	1.0	0.0	83.6	−82.2	79.9	114.7	135	0.0	1.0	0.462	84.2	−75.1	48.8	89.7	147	0.05	1.0	0.0	0.0	1.0	0.661	85.0	−66.9	26.1	71.9	158	0.05	1.0	0.0	■	■	■
135	148	159	0.033	1.0	0.0	83.6	−82.4	79.9	114.8	135	0.0	1.0	0.485	84.3	−74.3	46.5	87.7	148	0.033	1.0	0.0	0.0	1.0	0.676	85.0	−66.2	24.3	70.6	159	0.033	1.0	0.0	■	■	■
135	149	161	0.016	1.0	0.0	83.6	−82.6	79.9	114.9	135	0.0	1.0	0.506	84.4	−73.5	44.2	85.9	149	0.017	1.0	0.0	0.0	1.0	0.691	85.1	−65.4	22.5	69.2	161	0.017	1.0	0.0	■	■	■
136	150	162	0.0	1.0	0.0	83.6	−82.7	79.8	115.0	136 G_d	0.0	1.0	0.523	84.4	−72.9	42.1	84.3	150 G_s	0.0	1.0	0.0	0.0	1.0	0.706	85.2	−64.6	20.7	67.9	162 G_e	0.0	1.0	0.0	■	■	■
136	151	163	0.0	1.0	0.016	83.6	−82.7	79.4	114.6	136	0.0	1.0	0.541	84.5	−72.3	40.1	82.7	151	0.0	1.0	0.017	0.0	1.0	0.718	85.2	−63.9	19.4	66.9	163	0.0	1.0	0.017	■	■	■
136	152	164	0.0	1.0	0.033	83.6	−82.6	79.0	114.3	136	0.0	1.0	0.558	84.5	−71.6	38.1	81.2	152	0.0	1.0	0.033	0.0	1.0	0.73	85.3	−63.2	18.1	65.9	164	0.0	1.0	0.033	■	■	■
136	153	164	0.0	1.0	0.05	83.6	−82.5	78.5	113.9	136	0.0	1.0	0.575	84.6	−70.8	36.1	79.6	153	0.0	1.0	0.05	0.0	1.0	0.741	85.3	−62.5	16.8	64.8	164	0.0	1.0	0.05	■	■	■
136	154	165	0.0	1.0	0.066	83.6	−82.4	78.1	113.5	136	0.0	1.0	0.592	84.7	−70.0	34.2	78.0	154	0.0	1.0	0.067	0.0	1.0	0.752	85.4	−61.9	15.6	63.9	165	0.0	1.0	0.067	■	■	■
136	155	166	0.0	1.0	0.083	83.6	−82.3	77.6	113.2	136	0.0	1.0	0.61	84.7	−69.2	32.3	76.5	155	0.0	1.0	0.083	0.0	1.0	0.761	85.4	−61.5	14.5	63.2	166	0.0	1.0	0.083	■	■	■
136	156	167	0.0	1.0	0.1	83.6	−82.2	77.2	112.8	136	0.0	1.0	0.626	84.8	−68.4	30.5	74.9	156	0.0	1.0	0.1	0.0	1.0	0.77	85.5	−61.1	13.3	62.6	167	0.0	1.0	0.1	■	■	■
136	157	168	0.0	1.0	0.116	83.6	−82.1	76.8	112.5	136	0.0	1.0	0.639	84.9	−67.8	28.8	73.8	157	0.0	1.0	0.117	0.0	1.0	0.778	85.5	−60.6	12.2	61.9	168	0.0	1.0	0.117	■	■	■
137	158	169	0.0	1.0	0.133	83.6	−82.0	76.0	111.9	137	0.0	1.0	0.652	84.9	−67.3	27.2	72.7	158	0.0	1.0	0.133	0.0	1.0	0.787	85.6	−60.2	11.1	61.3	169	0.0	1.0	0.133	■	■	■
137	159	170	0.0	1.0	0.15	83.7	−81.8	75.0	111.0	137	0.0	1.0	0.665	85.0	−66.7	25.6	71.6	159	0.0	1.0	0.15	0.0	1.0	0.795	85.6	−59.7	10.1	60.6	170	0.0	1.0	0.15	■	■	■
137	160	171	0.0	1.0	0.166	83.7	−81.6	74.0	110.2	137	0.0	1.0	0.678	85.0	−66.1	24.1	70.4	160	0.0	1.0	0.167	0.0	1.0	0.804	85.7	−59.2	9.0	60.0	171	0.0	1.0	0.167	■	■	■
138	161	172	0.0	1.0	0.183	83.7	−81.4	73.0	109.4	138	0.0	1.0	0.691	85.1	−65.4	22.6	69.3	161	0.0	1.0	0.183	0.0	1.0	0.813	85.7	−58.7	8.0	59.3	172	0.0	1.0	0.183	■	■	■
138	162	173	0.0	1.0	0.2	83.7	−81.2	72.0	108.6	138	0.0	1.0	0.703	85.1	−64.7	21.1	68.2	162	0.0	1.0	0.2	0.0	1.0	0.821	85.8	−58.1	7.0	58.7	173	0.0	1.0	0.2	■	■	■
138	163	174	0.0	1.0	0.216	83.7	−81.0	71.1	107.8	138	0.0	1.0	0.716	85.2	−64.0	19.6	67.0	163	0.0	1.0	0.217	0.0	1.0	0.83	85.8	−57.6	6.0	58.0	174	0.0	1.0	0.217	■	■	■
139	164	175	0.0	1.0	0.233	83.7	−80.8	70.1	106.9	139	0.0	1.0	0.729	85.3	−63.3	18.2	65.9	164	0.0	1.0	0.233	0.0	1.0	0.839	85.8	−57.0	5.0	57.3	175	0.0	1.0	0.233	■	■	■
139	165	175	0.0	1.0	0.25	83.8	−80.5	69.1	106.1	139	0.0	1.0	0.742	85.3	−62.5	16.8	64.8	165	0.0	1.0	0.25	0.0	1.0	0.847	85.9	−56.4	4.0	56.7	175	0.0	1.0	0.25	■	■	■

3−113730−L0 QF520−73 LAB*la0, YN=0%, XYZnw=0.0, 0.0, 0.0, 84.2, 88.6, 96.5, LAB*nw=0.0, 0.0, 0.0, 95.4, 0.0, 0.0

sortie: sRGB standard device; no separation, D65, page 8/29

graphique TUB-QF52; code de teinte: H^*_e=Y50G_e
cercle chromatique 48 paliers; tableaux *rgb−LabCh**

entrée : *rgb/cmyk −> rgb*$_{de}$
sortie : linéarisation 3D selon *rgb**$_{de}$

voir fichiers similaires: http://130.149.60.45/~farbmetrik/QF52/QF52.HTM
informations techniques: http://www.ps.bam.de ou http://130.149.60.45/~farbmetrik

TUB enregistrement: 20130201-QF52/QF52L0FP.PDF /.PS
application pour la mesure de sortie sur écran, aucune séparation

TUB matériel: code=rha4ta

http://130.149.60.45/~farbmetrik/QF52/QF52L0FP.PDF /.PS; linéarisation 3D
F: linéarisation 3D QF52/QF52LF30FP.DAT dans fichier (F), páge 9/29

Couleur maximale dans le système colorimetrique : sRGB standard device; no separation, D65 pour l'entrée et sortie; Six angles de teinte à 60 degrès 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*$_d$: $h_{ab,d}$ = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2; 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)					$rgb^*_{ds361Mi}$			$LAB^*_{dsx361Mi}$ (x=LabCh)					$rgb^*_{dd361Mi}$			$rgb^*_{de361Mi}$			$LAB^*_{dex361Mi}$ (x=LabCh)					$rgb^*_{dd361Mi}$			rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
139	165	175	0.0	1.0	0.25	83.8	−80.5	69.1	106.1	139	0.0	1.0	0.742	85.3	−62.5	16.8	64.8	165	0.0	1.0	0.25	0.0	1.0	0.847	85.9	−56.4	4.0	56.7	175	0.0	1.0	0.25	🟦	🟦	🟦
139	166	176	0.0	1.0	0.266	83.8	−80.2	67.6	104.9	139	0.0	1.0	0.753	85.4	−61.8	15.4	63.8	166	0.0	1.0	0.267	0.0	1.0	0.856	85.9	−55.9	3.1	56.0	176	0.0	1.0	0.267	🟦	🟦	🟦
140	167	177	0.0	1.0	0.283	83.8	−79.9	66.1	103.7	140	0.0	1.0	0.763	85.4	−61.4	14.2	63.1	167	0.0	1.0	0.283	0.0	1.0	0.864	86.0	−55.2	2.2	55.4	177	0.0	1.0	0.283	🟦	🟦	🟦
140	168	178	0.0	1.0	0.3	83.8	−79.6	64.6	102.5	140	0.0	1.0	0.772	85.5	−60.9	13.0	62.4	168	0.0	1.0	0.3	0.0	1.0	0.873	86.0	−54.6	1.3	54.7	178	0.0	1.0	0.3	🟦	🟦	🟦
141	169	179	0.0	1.0	0.316	83.9	−79.2	63.1	101.3	141	0.0	1.0	0.782	85.5	−60.4	11.8	61.7	169	0.0	1.0	0.317	0.0	1.0	0.88	86.1	−54.2	0.4	54.3	179	0.0	1.0	0.317	🟦	🟦	🟦
141	170	180	0.0	1.0	0.333	83.9	−78.8	61.7	100.1	141	0.0	1.0	0.791	85.6	−59.9	10.6	60.9	170	0.0	1.0	0.333	0.0	1.0	0.887	86.1	−53.9	−0.3	54.0	180	0.0	1.0	0.333	🟦	🟦	🟦
142	171	181	0.0	1.0	0.35	83.9	−78.4	60.2	98.9	142	0.0	1.0	0.801	85.6	−59.4	9.4	60.2	171	0.0	1.0	0.35	0.0	1.0	0.893	86.2	−53.5	−1.2	53.6	181	0.0	1.0	0.35	🟦	🟦	🟦
142	172	182	0.0	1.0	0.366	84.0	−78.0	58.8	97.7	142	0.0	1.0	0.81	85.7	−58.8	8.3	59.5	172	0.0	1.0	0.367	0.0	1.0	0.9	86.2	−53.2	−2.0	53.3	182	0.0	1.0	0.367	🟦	🟦	🟦
143	173	183	0.0	1.0	0.383	84.0	−77.6	57.2	96.4	143	0.0	1.0	0.82	85.7	−58.2	7.2	58.8	173	0.0	1.0	0.383	0.0	1.0	0.906	86.3	−52.8	−2.9	53.0	183	0.0	1.0	0.383	🟦	🟦	🟦
144	174	184	0.0	1.0	0.4	84.0	−77.1	55.4	94.9	144	0.0	1.0	0.829	85.8	−57.6	6.1	58.1	174	0.0	1.0	0.4	0.0	1.0	0.913	86.3	−52.4	−3.7	52.6	184	0.0	1.0	0.4	🟦	🟦	🟦
145	175	185	0.0	1.0	0.416	84.1	−76.6	53.6	93.5	145	0.0	1.0	0.839	85.8	−57.0	5.0	57.3	175	0.0	1.0	0.417	0.0	1.0	0.919	86.3	−52.0	−4.5	52.3	185	0.0	1.0	0.417	🟦	🟦	🟦
145	176	185	0.0	1.0	0.433	84.1	−76.1	51.8	92.1	145	0.0	1.0	0.848	85.9	−56.4	4.0	56.6	176	0.0	1.0	0.433	0.0	1.0	0.926	86.4	−51.6	−5.3	52.0	185	0.0	1.0	0.433	🟦	🟦	🟦
146	177	186	0.0	1.0	0.45	84.2	−75.6	50.0	90.6	146	0.0	1.0	0.857	86.0	−55.7	2.9	55.9	177	0.0	1.0	0.45	0.0	1.0	0.932	86.4	−51.2	−6.1	51.6	186	0.0	1.0	0.45	🟦	🟦	🟦
147	178	187	0.0	1.0	0.466	84.2	−75.0	48.3	89.2	147	0.0	1.0	0.867	86.0	−55.1	1.9	55.2	178	0.0	1.0	0.467	0.0	1.0	0.939	86.5	−50.7	−6.8	51.3	187	0.0	1.0	0.467	🟦	🟦	🟦
147	179	188	0.0	1.0	0.483	84.3	−74.4	46.6	87.8	147	0.0	1.0	0.876	86.1	−54.4	1.0	54.5	179	0.0	1.0	0.483	0.0	1.0	0.945	86.5	−50.3	−7.6	51.0	188	0.0	1.0	0.483	🟦	🟦	🟦
148	180	189	0.0	1.0	0.5	84.3	−73.7	44.9	86.4	148	0.0	1.0	0.883	86.1	−54.1	0.0	54.2	180	0.0	1.0	0.5	0.0	1.0	0.952	86.6	−49.8	−8.3	50.6	189	0.0	1.0	0.5	🟦	🟦	🟦
149	181	190	0.0	1.0	0.516	84.4	−73.2	42.9	84.8	149	0.0	1.0	0.89	86.2	−53.7	−0.8	53.8	181	0.0	1.0	0.517	0.0	1.0	0.958	86.6	−49.3	−9.1	50.3	190	0.0	1.0	0.517	🟦	🟦	🟦
150	182	191	0.0	1.0	0.533	84.4	−72.6	40.9	83.3	150	0.0	1.0	0.897	86.2	−53.3	−1.8	53.4	182	0.0	1.0	0.533	0.0	1.0	0.965	86.6	−48.9	−9.8	50.0	191	0.0	1.0	0.533	🟦	🟦	🟦
151	183	192	0.0	1.0	0.55	84.5	−71.9	39.0	81.8	151	0.0	1.0	0.905	86.2	−52.9	−2.7	53.1	183	0.0	1.0	0.55	0.0	1.0	0.971	86.7	−48.4	−10.5	49.6	192	0.0	1.0	0.55	🟦	🟦	🟦
152	184	193	0.0	1.0	0.566	84.5	−71.2	37.0	80.3	152	0.0	1.0	0.912	86.3	−52.5	−3.6	52.7	184	0.0	1.0	0.567	0.0	1.0	0.978	86.7	−47.9	−11.2	49.3	193	0.0	1.0	0.567	🟦	🟦	🟦
153	185	194	0.0	1.0	0.583	84.6	−70.5	35.2	78.8	153	0.0	1.0	0.919	86.3	−52.0	−4.5	52.3	185	0.0	1.0	0.583	0.0	1.0	0.984	86.8	−47.4	−11.9	48.9	194	0.0	1.0	0.583	🟦	🟦	🟦
154	186	195	0.0	1.0	0.6	84.6	−69.7	33.3	77.3	154	0.0	1.0	0.926	86.4	−51.6	−5.3	52.0	186	0.0	1.0	0.6	0.0	1.0	0.991	86.8	−46.8	−12.5	48.6	195	0.0	1.0	0.6	🟦	🟦	🟦
155	187	195	0.0	1.0	0.616	84.7	−68.9	31.5	75.8	155	0.0	1.0	0.933	86.4	−51.1	−6.2	51.6	187	0.0	1.0	0.617	0.0	1.0	0.997	86.9	−46.3	−13.2	48.3	195	0.0	1.0	0.617	🟦	🟦	🟦
156	188	196	0.0	1.0	0.633	84.8	−68.1	29.5	74.3	156	0.0	1.0	0.94	86.5	−50.6	−7.0	51.2	188	0.0	1.0	0.633	0.0	0.997	1.0	86.7	−45.8	−13.9	48.0	196	0.0	1.0	0.633	🟦	🟦	🟦
157	189	197	0.0	1.0	0.65	84.8	−67.4	27.4	72.8	157	0.0	1.0	0.947	86.5	−50.1	−7.9	50.8	189	0.0	1.0	0.65	0.0	0.992	1.0	86.3	−45.4	−14.5	47.8	197	0.0	1.0	0.65	🟦	🟦	🟦
159	190	198	0.0	1.0	0.666	84.9	−66.7	25.4	71.3	159	0.0	1.0	0.955	86.6	−49.6	−8.7	50.5	190	0.0	1.0	0.667	0.0	0.987	1.0	86.0	−44.9	−15.2	47.5	198	0.0	1.0	0.667	🟦	🟦	🟦
160	191	199	0.0	1.0	0.683	85.0	−65.8	23.4	69.9	160	0.0	1.0	0.962	86.6	−49.1	−9.5	50.1	191	0.0	1.0	0.683	0.0	0.983	1.0	85.6	−44.4	−15.8	47.3	199	0.0	1.0	0.683	🟦	🟦	🟦
161	192	200	0.0	1.0	0.7	85.1	−65.0	21.4	68.4	161	0.0	1.0	0.969	86.7	−48.6	−10.2	49.7	192	0.0	1.0	0.7	0.0	0.978	1.0	85.3	−44.0	−16.4	47.1	200	0.0	1.0	0.7	🟦	🟦	🟦
163	193	201	0.0	1.0	0.716	85.2	−64.0	19.5	67.0	163	0.0	1.0	0.976	86.7	−48.0	−11.0	49.4	193	0.0	1.0	0.717	0.0	0.973	1.0	85.0	−43.5	−17.0	46.8	201	0.0	1.0	0.717	🟦	🟦	🟦
164	194	202	0.0	1.0	0.733	85.2	−63.1	17.6	65.5	164	0.0	1.0	0.983	86.8	−47.5	−11.8	49.0	194	0.0	1.0	0.733	0.0	0.968	1.0	84.6	−43.0	−17.6	46.6	202	0.0	1.0	0.733	🟦	🟦	🟦
165	195	203	0.0	1.0	0.75	85.3	−62.0	15.9	64.0	165	0.0	1.0	0.99	86.8	−46.9	−12.5	48.6	195	0.0	1.0	0.75	0.0	0.963	1.0	84.3	−42.5	−18.2	46.4	203	0.0	1.0	0.75	🟦	🟦	🟦
167	196	204	0.0	1.0	0.766	85.4	−61.2	13.7	62.8	167	0.0	1.0	0.997	86.9	−46.3	−13.2	48.3	196	0.0	1.0	0.767	0.0	0.958	1.0	83.9	−42.0	−18.8	46.1	204	0.0	1.0	0.767	🟦	🟦	🟦
169	197	205	0.0	1.0	0.783	85.5	−60.4	11.5	61.5	169	0.0	0.997	1.0	86.6	−45.8	−13.9	48.0	197	0.0	1.0	0.783	0.0	0.953	1.0	83.6	−41.5	−19.4	45.9	205	0.0	1.0	0.783	🟦	🟦	🟦
170	198	206	0.0	1.0	0.8	85.6	−59.5	9.5	60.2	170	0.0	0.991	1.0	86.3	−45.3	−14.6	47.7	198	0.0	1.0	0.8	0.0	0.949	1.0	83.2	−40.9	−19.9	45.7	206	0.0	1.0	0.8	🟦	🟦	🟦
172	199	206	0.0	1.0	0.816	85.7	−58.5	7.5	59.0	172	0.0	0.986	1.0	85.9	−44.8	−15.4	47.5	199	0.0	1.0	0.817	0.0	0.944	1.0	82.9	−40.4	−20.5	45.4	206	0.0	1.0	0.817	🟦	🟦	🟦
174	200	207	0.0	1.0	0.833	85.8	−57.4	5.5	57.7	174	0.0	0.981	1.0	85.5	−44.3	−16.0	47.2	200	0.0	1.0	0.833	0.0	0.939	1.0	82.5	−39.9	−21.0	45.2	207	0.0	1.0	0.833	🟦	🟦	🟦
176	201	208	0.0	1.0	0.85	85.9	−56.3	3.7	56.4	176	0.0	0.975	1.0	85.1	−43.7	−16.7	47.0	201	0.0	1.0	0.85	0.0	0.934	1.0	82.2	−39.3	−21.5	45.0	208	0.0	1.0	0.85	🟦	🟦	🟦
177	202	209	0.0	1.0	0.866	86.0	−55.1	1.9	55.2	177	0.0	0.97	1.0	84.7	−43.2	−17.4	46.7	202	0.0	1.0	0.867	0.0	0.929	1.0	81.8	−38.8	−22.1	44.7	209	0.0	1.0	0.867	🟦	🟦	🟦
180	203	210	0.0	1.0	0.883	86.1	−54.1	0.0	54.1	180	0.0	0.965	1.0	84.4	−42.7	−18.0	46.4	203	0.0	1.0	0.883	0.0	0.924	1.0	81.5	−38.2	−22.6	44.5	210	0.0	1.0	0.883	🟦	🟦	🟦
182	204	211	0.0	1.0	0.9	86.2	−53.2	−2.1	53.2	182	0.0	0.959	1.0	84.0	−42.1	−18.7	46.2	204	0.0	1.0	0.9	0.0	0.919	1.0	81.2	−37.7	−23.0	44.3	211	0.0	1.0	0.9	🟦	🟦	🟦
184	205	212	0.0	1.0	0.916	86.3	−52.2	−4.2	52.4	184	0.0	0.954	1.0	83.6	−41.5	−19.3	45.9	205	0.0	1.0	0.917	0.0	0.915	1.0	80.8	−37.1	−23.5	44.0	212	0.0	1.0	0.917	🟦	🟦	🟦
187	206	213	0.0	1.0	0.933	86.4	−51.1	−6.3	51.5	187	0.0	0.949	1.0	83.2	−41.0	−19.9	45.7	206	0.0	1.0	0.933	0.0	0.91	1.0	80.5	−36.5	−24.0	43.8	213	0.0	1.0	0.933	🟦	🟦	🟦
189	207	214	0.0	1.0	0.95	86.5	−50.0	−8.2	50.7	189	0.0	0.943	1.0	82.9	−40.4	−20.5	45.4	207	0.0	1.0	0.95	0.0	0.905	1.0	80.1	−35.9	−24.4	43.6	214	0.0	1.0	0.95	🟦	🟦	🟦
191	208	215	0.0	1.0	0.966	86.6	−48.8	−10.1	49.8	191	0.0	0.938	1.0	82.5	−39.8	−21.1	45.2	208	0.0	1.0	0.967	0.0	0.9	1.0	79.8	−35.3	−24.9	43.3	215	0.0	1.0	0.967	🟦	🟦	🟦
194	209	216	0.0	1.0	0.983	86.7	−47.5	−11.8	48.9	194	0.0	0.933	1.0	82.1	−39.2	−21.7	44.9	209	0.0	1.0	0.983	0.0	0.895	1.0	79.4	−34.8	−25.3	43.1	216	0.0	1.0	0.983	🟦	🟦	🟦
196	210	216	0.0	1.0	1.0	86.8	−46.1	−13.5	48.1	196 $\boldsymbol{C_d}$	0.0	0.927	1.0	81.7	−38.6	−22.2	44.7	210 $\boldsymbol{C_s}$	0.0	1.0	1.0	0.0	0.89	1.0	79.1	−34.2	−25.7	42.9	216 $\boldsymbol{C_e}$	0.0	1.0	1.0	🟦	🟦	🟦

3−113830−L0 QF520−73 LAB*la0, YN=0%, XYZnw=0.0, 0.0, 0.0, 84.2, 88.6, 96.5, LAB*nw=0.0, 0.0, 0.0, 95.4, 0.0, 0.0

sortie: sRGB standard device; no separation, D65, page 9/29

graphique TUB-QF52; code de teinte: H^*_e=Y50G_e
cercle chromatique 48 paliers; tableaux *rgb−LabCh**

entrée : *rgb/cmyk −> rgb*$_{de}$
sortie : linéarisation 3D selon *rgb**$_{de}$

voir fichiers similaires: http://130.149.60.45/~farbmetrik/QF52/QF52.HTM
informations techniques: http://www.ps.bam.de ou http://130.149.60.45/~farbmetrik

TUB enregistrement: 20130201-QF52/QF52L0FP.PDF /.PS
application pour la mesure de sortie sur écran, aucune séparation

TUB matériel: code=rha4ta

http://130.149.60.45/~farbmetrik/QF52/QF52L0FP.PDF /.PS; linéarisation 3D
F: linéarisation 3D QF52/QF52LF30FP.DAT dans fichier (F), páge 10/29

Couleur maximale dans le système colorimetrique : sRGB standard device; no separation, D65 pour l'entrée et sortie; Six angles de teinte à 60 degrès 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*$_d$: $h_{ab,d}$ = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2; 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)					rgb*ds361Mi			LAB*dsx361Mi (x=LabCh)					rgb*dd361Mi			rgb*de361Mi			LAB*dex361Mi (x=LabCh)					rgb*dd361Mi			rgb*dd	rgb*ds	rgb*de
196	210	216	0.0	1.0	1.0	86.8	−46.1	−13.5	48.1	196 C_d	0.0	0.927	1.0	81.7	−38.6	−22.2	44.7	210 C_s	0.0	1.0	1.0	0.0	0.89	1.0	79.1	−34.2	−25.7	42.9	216 C_e	0.0	1.0	1.0	🟦	🟦	🟦
199	211	217	0.0	0.983	1.0	85.6	−44.6	−15.8	47.3	199	0.0	0.922	1.0	81.3	−38.0	−22.8	44.4	211	0.0	0.983	1.0	0.0	0.885	1.0	78.7	−33.6	−26.1	42.7	217	0.0	0.983	1.0	🟦	🟦	🟦
202	212	218	0.0	0.966	1.0	84.5	−42.9	−17.9	46.5	202	0.0	0.917	1.0	81.0	−37.3	−23.3	44.2	212	0.0	0.967	1.0	0.0	0.881	1.0	78.4	−33.0	−26.5	42.4	218	0.0	0.967	1.0	🟦	🟦	🟦
205	213	219	0.0	0.95	1.0	83.3	−41.1	−19.8	45.7	205	0.0	0.911	1.0	80.6	−36.7	−23.8	43.9	213	0.0	0.95	1.0	0.0	0.876	1.0	78.0	−32.3	−26.9	42.2	219	0.0	0.95	1.0	🟦	🟦	🟦
208	214	220	0.0	0.933	1.0	82.1	−39.3	−21.7	44.9	208	0.0	0.906	1.0	80.2	−36.1	−24.3	43.6	214	0.0	0.933	1.0	0.0	0.871	1.0	77.7	−31.9	−27.4	42.2	220	0.0	0.933	1.0	🟦	🟦	🟦
212	215	221	0.0	0.916	1.0	80.9	−37.4	−23.4	44.1	212	0.0	0.901	1.0	79.8	−35.4	−24.8	43.4	215	0.0	0.917	1.0	0.0	0.867	1.0	77.4	−31.5	−27.9	42.3	221	0.0	0.917	1.0	🟦	🟦	🟦
215	216	222	0.0	0.9	1.0	79.7	−35.4	−24.9	43.3	215	0.0	0.895	1.0	79.5	−34.8	−25.3	43.1	216	0.0	0.9	1.0	0.0	0.863	1.0	77.2	−31.1	−28.5	42.3	222	0.0	0.9	1.0	🟦	🟦	🟦
218	217	223	0.0	0.883	1.0	78.5	−33.4	−26.3	42.5	218	0.0	0.89	1.0	79.1	−34.1	−25.7	42.9	217	0.0	0.883	1.0	0.0	0.859	1.0	76.9	−30.7	−29.0	42.4	223	0.0	0.883	1.0	🟦	🟦	🟦
221	218	224	0.0	0.866	1.0	77.4	−31.5	−28.1	42.2	221	0.0	0.885	1.0	78.7	−33.5	−26.1	42.6	218	0.0	0.867	1.0	0.0	0.855	1.0	76.6	−30.3	−29.6	42.5	224	0.0	0.867	1.0	🟦	🟦	🟦
225	219	225	0.0	0.85	1.0	76.2	−29.9	−30.2	42.5	225	0.0	0.879	1.0	78.3	−32.8	−26.6	42.4	219	0.0	0.85	1.0	0.0	0.851	1.0	76.3	−29.9	−30.1	42.6	225	0.0	0.85	1.0	🟦	🟦	🟦
228	220	226	0.0	0.833	1.0	75.0	−28.1	−32.3	42.8	228	0.0	0.874	1.0	77.9	−32.2	−27.0	42.2	220	0.0	0.833	1.0	0.0	0.846	1.0	76.0	−29.4	−30.6	42.6	226	0.0	0.833	1.0	🟦	🟦	🟦
232	221	227	0.0	0.816	1.0	73.8	−26.1	−34.2	43.1	232	0.0	0.87	1.0	77.6	−31.8	−27.6	42.2	221	0.0	0.817	1.0	0.0	0.842	1.0	75.7	−29.0	−31.1	42.7	227	0.0	0.817	1.0	🟦	🟦	🟦
236	222	227	0.0	0.8	1.0	72.6	−24.0	−36.0	43.3	236	0.0	0.865	1.0	77.3	−31.3	−28.2	42.3	222	0.0	0.8	1.0	0.0	0.838	1.0	75.4	−28.5	−31.6	42.8	227	0.0	0.8	1.0	🟦	🟦	🟦
239	223	228	0.0	0.783	1.0	71.4	−21.8	−37.7	43.6	239	0.0	0.861	1.0	77.0	−30.9	−28.8	42.4	223	0.0	0.783	1.0	0.0	0.834	1.0	75.1	−28.1	−32.1	42.8	228	0.0	0.783	1.0	🟦	🟦	🟦
243	224	229	0.0	0.766	1.0	70.2	−19.5	−39.3	43.9	243	0.0	0.856	1.0	76.7	−30.4	−29.4	42.5	224	0.0	0.767	1.0	0.0	0.83	1.0	74.8	−27.6	−32.6	42.9	229	0.0	0.767	1.0	🟦	🟦	🟦
247	225	230	0.0	0.75	1.0	69.1	−17.0	−40.7	44.1	247	0.0	0.851	1.0	76.3	−30.0	−30.0	42.5	225	0.0	0.75	1.0	0.0	0.826	1.0	74.5	−27.1	−33.1	43.0	230	0.0	0.75	1.0	🟦	🟦	🟦
250	226	231	0.0	0.733	1.0	67.9	−15.3	−42.9	45.5	250	0.0	0.847	1.0	76.0	−29.5	−30.6	42.6	226	0.0	0.733	1.0	0.0	0.821	1.0	74.2	−26.6	−33.6	43.0	231	0.0	0.733	1.0	🟦	🟦	🟦
253	227	232	0.0	0.716	1.0	66.7	−13.5	−44.9	46.9	253	0.0	0.842	1.0	75.7	−29.0	−31.1	42.7	227	0.0	0.717	1.0	0.0	0.817	1.0	73.9	−26.1	−34.1	43.1	232	0.0	0.717	1.0	🟦	🟦	🟦
256	228	233	0.0	0.7	1.0	65.5	−11.4	−46.9	48.3	256	0.0	0.838	1.0	75.4	−28.5	−31.7	42.8	228	0.0	0.7	1.0	0.0	0.813	1.0	73.6	−25.6	−34.6	43.2	233	0.0	0.7	1.0	🟦	🟦	🟦
259	229	234	0.0	0.683	1.0	64.4	−9.2	−48.8	49.7	259	0.0	0.833	1.0	75.0	−28.0	−32.2	42.8	229	0.0	0.683	1.0	0.0	0.809	1.0	73.3	−25.1	−35.0	43.2	234	0.0	0.683	1.0	🟦	🟦	🟦
262	230	235	0.0	0.666	1.0	63.2	−6.8	−50.6	51.1	262	0.0	0.829	1.0	74.7	−27.5	−32.8	42.9	230	0.0	0.667	1.0	0.0	0.805	1.0	73.0	−24.6	−35.5	43.3	235	0.0	0.667	1.0	🟦	🟦	🟦
265	231	236	0.0	0.65	1.0	62.0	−4.2	−52.3	52.5	265	0.0	0.824	1.0	74.4	−26.9	−33.3	43.0	231	0.0	0.65	1.0	0.0	0.801	1.0	72.7	−24.1	−35.9	43.4	236	0.0	0.65	1.0	🟦	🟦	🟦
268	232	237	0.0	0.633	1.0	60.9	−1.5	−53.9	53.9	268	0.0	0.82	1.0	74.1	−26.4	−33.8	43.1	232	0.0	0.633	1.0	0.0	0.797	1.0	72.4	−23.5	−36.3	43.4	237	0.0	0.633	1.0	🟦	🟦	🟦
270	233	237	0.0	0.616	1.0	59.7	0.8	−55.6	55.7	270	0.0	0.815	1.0	73.7	−25.9	−34.3	43.1	233	0.0	0.617	1.0	0.0	0.792	1.0	72.1	−23.0	−36.8	43.5	237	0.0	0.617	1.0	🟦	🟦	🟦
272	234	238	0.0	0.6	1.0	58.6	2.9	−57.7	57.8	272	0.0	0.81	1.0	73.4	−25.3	−34.9	43.2	234	0.0	0.6	1.0	0.0	0.788	1.0	71.8	−22.4	−37.2	43.6	238	0.0	0.6	1.0	🟦	🟦	🟦
274	235	239	0.0	0.583	1.0	57.4	5.1	−59.7	59.9	274	0.0	0.806	1.0	73.1	−24.7	−35.4	43.3	235	0.0	0.583	1.0	0.0	0.784	1.0	71.5	−21.8	−37.6	43.6	239	0.0	0.583	1.0	🟦	🟦	🟦
276	236	240	0.0	0.566	1.0	56.3	7.4	−61.6	62.1	276	0.0	0.801	1.0	72.8	−24.1	−35.8	43.4	236	0.0	0.567	1.0	0.0	0.78	1.0	71.2	−21.3	−38.0	43.7	240	0.0	0.567	1.0	🟦	🟦	🟦
278	237	241	0.0	0.55	1.0	55.2	10.0	−63.5	64.2	278	0.0	0.797	1.0	72.4	−23.6	−36.3	43.4	237	0.0	0.55	1.0	0.0	0.776	1.0	70.9	−20.7	−38.4	43.8	241	0.0	0.55	1.0	🟦	🟦	🟦
280	238	242	0.0	0.533	1.0	54.0	12.6	−65.2	66.4	280	0.0	0.792	1.0	72.1	−23.0	−36.8	43.5	238	0.0	0.533	1.0	0.0	0.772	1.0	70.6	−20.1	−38.8	43.8	242	0.0	0.533	1.0	🟦	🟦	🟦
283	239	243	0.0	0.516	1.0	52.9	15.4	−66.8	68.5	283	0.0	0.788	1.0	71.8	−22.3	−37.2	43.6	239	0.0	0.517	1.0	0.0	0.767	1.0	70.3	−19.5	−39.2	43.9	243	0.0	0.517	1.0	🟦	🟦	🟦
285	240	244	0.0	0.5	1.0	51.7	18.3	−68.3	70.7	285	0.0	0.783	1.0	71.5	−21.7	−37.7	43.6	240	0.0	0.5	1.0	0.0	0.763	1.0	70.1	−18.9	−39.5	44.0	244	0.0	0.5	1.0	🟦	🟦	🟦
286	241	245	0.0	0.483	1.0	50.7	20.6	−70.2	73.2	286	0.0	0.779	1.0	71.1	−21.1	−38.1	43.7	241	0.0	0.483	1.0	0.0	0.759	1.0	69.8	−18.3	−39.9	44.0	245	0.0	0.483	1.0	🟦	🟦	🟦
287	242	246	0.0	0.466	1.0	49.6	22.9	−72.1	75.7	287	0.0	0.774	1.0	70.8	−20.5	−38.6	43.8	242	0.0	0.467	1.0	0.0	0.755	1.0	69.5	−17.7	−40.2	44.1	246	0.0	0.467	1.0	🟦	🟦	🟦
288	243	247	0.0	0.45	1.0	48.6	25.4	−74.0	78.2	288	0.0	0.769	1.0	70.5	−19.8	−39.0	43.9	243	0.0	0.45	1.0	0.0	0.751	1.0	69.2	−17.1	−40.6	44.2	247	0.0	0.45	1.0	🟦	🟦	🟦
290	244	248	0.0	0.433	1.0	47.5	28.0	−75.7	80.7	290	0.0	0.765	1.0	70.2	−19.2	−39.4	43.9	244	0.0	0.433	1.0	0.0	0.746	1.0	68.8	−16.6	−41.2	44.5	248	0.0	0.433	1.0	🟦	🟦	🟦
291	245	248	0.0	0.416	1.0	46.5	30.6	−77.4	83.2	291	0.0	0.76	1.0	69.8	−18.5	−39.8	44.0	245	0.0	0.417	1.0	0.0	0.741	1.0	68.5	−16.1	−41.8	45.0	248	0.0	0.417	1.0	🟦	🟦	🟦
292	246	249	0.0	0.4	1.0	45.4	33.3	−79.0	85.7	292	0.0	0.756	1.0	69.5	−17.8	−40.2	44.1	246	0.0	0.4	1.0	0.0	0.736	1.0	68.1	−15.5	−42.5	45.4	249	0.0	0.4	1.0	🟦	🟦	🟦
294	247	250	0.0	0.383	1.0	44.3	36.2	−80.5	88.2	294	0.0	0.751	1.0	69.2	−17.2	−40.6	44.2	247	0.0	0.383	1.0	0.0	0.731	1.0	67.8	−15.0	−43.1	45.8	250	0.0	0.383	1.0	🟦	🟦	🟦
295	248	251	0.0	0.366	1.0	43.4	38.7	−82.0	90.7	295	0.0	0.746	1.0	68.8	−16.6	−41.2	44.5	248	0.0	0.367	1.0	0.0	0.726	1.0	67.4	−14.4	−43.8	46.2	251	0.0	0.367	1.0	🟦	🟦	🟦
296	249	252	0.0	0.35	1.0	42.5	41.0	−83.6	93.2	296	0.0	0.74	1.0	68.4	−16.0	−41.9	45.0	249	0.0	0.35	1.0	0.0	0.721	1.0	67.0	−13.9	−44.4	46.6	252	0.0	0.35	1.0	🟦	🟦	🟦
296	250	253	0.0	0.333	1.0	41.6	43.4	−85.2	95.6	296	0.0	0.735	1.0	68.0	−15.4	−42.6	45.5	250	0.0	0.333	1.0	0.0	0.716	1.0	66.7	−13.3	−45.0	47.1	253	0.0	0.333	1.0	🟦	🟦	🟦
297	251	254	0.0	0.316	1.0	40.7	45.8	−86.7	98.1	297	0.0	0.729	1.0	67.7	−14.8	−43.3	45.9	251	0.0	0.317	1.0	0.0	0.71	1.0	66.3	−12.7	−45.6	47.5	254	0.0	0.317	1.0	🟦	🟦	🟦
298	252	255	0.0	0.3	1.0	39.8	48.2	−88.2	100.5	298	0.0	0.724	1.0	67.3	−14.2	−44.0	46.4	252	0.0	0.3	1.0	0.0	0.705	1.0	66.0	−12.0	−46.2	47.9	255	0.0	0.3	1.0	🟦	🟦	🟦
299	253	256	0.0	0.283	1.0	38.9	50.7	−89.6	103.0	299	0.0	0.718	1.0	66.9	−13.6	−44.7	46.8	253	0.0	0.283	1.0	0.0	0.7	1.0	65.6	−11.4	−46.8	48.3	256	0.0	0.283	1.0	🟦	🟦	🟦
300	254	257	0.0	0.266	1.0	38.0	53.3	−91.0	105.4	300	0.0	0.713	1.0	66.5	−12.9	−45.4	47.3	254	0.0	0.267	1.0	0.0	0.695	1.0	65.3	−10.8	−47.4	48.8	257	0.0	0.267	1.0	🟦	🟦	🟦
301	255	258	0.0	0.25	1.0	37.1	55.9	−92.3	107.9	301	0.0	0.707	1.0	66.1	−12.3	−46.0	47.8	255	0.0	0.25	1.0	0.0	0.69	1.0	64.9	−10.1	−48.0	49.2	258	0.0	0.25	1.0	🟦	🟦	🟦

3−113930−L0 QF520−73 LAB*la0, YN=0%, XYZnw=0.0, 0.0, 0.0, 84.2, 88.6, 96.5, LAB*nw=0.0, 0.0, 0.0, 95.4, 0.0, 0.0

sortie: sRGB standard device; no separation, D65, page 10/29

voir fichiers similaires: http://130.149.60.45/~farbmetrik/QF52/QF52.HTM
informations techniques: http://www.ps.bam.de ou http://130.149.60.45/~farbmetrik

TUB enregistrement: 20130201-QF52/QF52L0FP.PDF /.PS
application pour la mesure de sortie sur écran, aucune séparation

TUB matériel: code=rha4ta

graphique TUB-QF52; code de teinte: H^*_e=Y50G_e
cercle chromatique 48 paliers; tableaux *rgb−LabCh**

entrée : *rgb/cmyk −> rgb*$_{de}$
sortie : linéarisation 3D selon *rgb**$_{de}$

http://130.149.60.45/~farbmetrik/QF52/QF52L0FP.PDF /.PS; linéarisation 3D
F: linéarisation 3D QF52/QF52LF30FP.DAT dans fichier (F), páge 11/29

Couleur maximale dans le système colorimetrique : sRGB standard device; no separation, D65 pour l'entrée et sortie; Six angles de teinte à 60 degrès 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*$_d$: $h_{ab,d}$ = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2; 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)						*rgb**ds361Mi			*LAB**dsx361Mi (x=LabCh)						*rgb**dd361Mi			*rgb**de361Mi			*LAB**dex361Mi (x=LabCh)						*rgb**dd361Mi			*rgb**dd	*rgb**ds	*rgb**de
301	255	258	0.0	0.25	1.0	37.1	55.9	−92.3	107.9	301		0.0	0.707	1.0	66.1	−12.3	−46.0	47.8	255		0.0	0.25	1.0	0.0	0.69	1.0	64.9	−10.1	−48.0	49.2	258		0.0	0.25	1.0	▇	▇	▇
301	256	258	0.0	0.233	1.0	36.5	57.6	−93.4	109.7	301		0.0	0.702	1.0	65.7	−11.6	−46.7	48.2	256		0.0	0.233	1.0	0.0	0.685	1.0	64.6	−9.4	−48.6	49.6	258		0.0	0.233	1.0	▇	▇	▇
302	257	259	0.0	0.216	1.0	35.9	59.4	−94.5	111.6	302		0.0	0.696	1.0	65.3	−10.9	−47.3	48.7	257		0.0	0.217	1.0	0.0	0.68	1.0	64.2	−8.7	−49.1	50.0	259		0.0	0.217	1.0	▇	▇	▇
302	258	260	0.0	0.2	1.0	35.2	61.2	−95.5	113.5	302		0.0	0.691	1.0	64.9	−10.1	−48.0	49.1	258		0.0	0.2	1.0	0.0	0.675	1.0	63.8	−8.0	−49.7	50.4	260		0.0	0.2	1.0	▇	▇	▇
303	259	261	0.0	0.183	1.0	34.6	63.0	−96.6	115.3	303		0.0	0.685	1.0	64.5	−9.4	−48.6	49.6	259		0.0	0.183	1.0	0.0	0.67	1.0	63.5	−7.2	−50.2	50.9	261		0.0	0.183	1.0	▇	▇	▇
303	260	262	0.0	0.166	1.0	34.0	64.8	−97.6	117.2	303		0.0	0.679	1.0	64.2	−8.6	−49.2	50.1	260		0.0	0.167	1.0	0.0	0.665	1.0	63.1	−6.5	−50.8	51.3	262		0.0	0.167	1.0	▇	▇	▇
304	261	263	0.0	0.15	1.0	33.4	66.7	−98.6	119.1	304		0.0	0.674	1.0	63.8	−7.8	−49.8	50.5	261		0.0	0.15	1.0	0.0	0.66	1.0	62.8	−5.7	−51.3	51.7	263		0.0	0.15	1.0	▇	▇	▇
304	262	264	0.0	0.133	1.0	32.8	68.6	−99.6	120.9	304		0.0	0.668	1.0	63.4	−7.0	−50.4	51.0	262		0.0	0.133	1.0	0.0	0.655	1.0	62.4	−5.0	−51.8	52.1	264		0.0	0.133	1.0	▇	▇	▇
304	263	265	0.0	0.116	1.0	32.3	70.0	−100.3	122.3	304		0.0	0.663	1.0	63.0	−6.2	−51.0	51.5	263		0.0	0.117	1.0	0.0	0.65	1.0	62.1	−4.2	−52.3	52.5	265		0.0	0.117	1.0	▇	▇	▇
305	264	266	0.0	0.1	1.0	32.0	70.8	−100.8	123.2	305		0.0	0.657	1.0	62.6	−5.3	−51.5	51.9	264		0.0	0.1	1.0	0.0	0.645	1.0	61.7	−3.4	−52.8	53.0	266		0.0	0.1	1.0	▇	▇	▇
305	265	267	0.0	0.083	1.0	31.7	71.7	−101.2	124.1	305		0.0	0.652	1.0	62.2	−4.5	−52.1	52.4	265		0.0	0.083	1.0	0.0	0.64	1.0	61.4	−2.5	−53.2	53.4	267		0.0	0.083	1.0	▇	▇	▇
305	266	268	0.0	0.066	1.0	31.5	72.5	−101.7	124.9	305		0.0	0.646	1.0	61.8	−3.6	−52.6	52.8	266		0.0	0.067	1.0	0.0	0.635	1.0	61.0	−1.7	−53.7	53.8	268		0.0	0.067	1.0	▇	▇	▇
305	267	269	0.0	0.049	1.0	31.2	73.4	−102.2	125.8	305		0.0	0.641	1.0	61.4	−2.7	−53.1	53.3	267		0.0	0.05	1.0	0.0	0.63	1.0	60.6	−0.8	−54.1	54.2	269		0.0	0.05	1.0	▇	▇	▇
305	268	269	0.0	0.033	1.0	30.9	74.3	−102.6	126.7	305		0.0	0.635	1.0	61.0	−1.8	−53.6	53.8	268		0.0	0.033	1.0	0.0	0.624	1.0	60.3	0.0	−54.6	54.7	269		0.0	0.033	1.0	▇	▇	▇
306	269	270	0.0	0.016	1.0	30.6	75.1	−103.1	127.6	306		0.0	0.63	1.0	60.6	−0.8	−54.1	54.2	269		0.0	0.017	1.0	0.0	0.617	1.0	59.8	0.8	−55.6	55.7	270		0.0	0.017	1.0	▇	▇	▇
306	270	271	0.0	0.0	1.0	30.3	76.0	−103.5	128.5	306	$\boldsymbol{B}_d$	0.0	0.624	1.0	60.2	0.0	−54.7	54.8	270	$\boldsymbol{B}_s$	0.0	0.0	1.0	0.0	0.609	1.0	59.3	1.7	−56.5	56.6	271	$\boldsymbol{B}_e$	0.0	0.0	1.0	▇	▇	▇
306	271	272	0.016	0.0	1.0	30.4	76.0	−103.4	128.4	306		0.0	0.615	1.0	59.7	1.0	−55.7	55.9	271		0.017	0.0	1.0	0.0	0.602	1.0	58.7	2.7	−57.5	57.6	272		0.017	0.0	1.0	▇	▇	▇
306	272	273	0.033	0.0	1.0	30.5	76.1	−103.3	128.3	306		0.0	0.607	1.0	59.1	2.0	−56.8	56.9	272		0.033	0.0	1.0	0.0	0.594	1.0	58.2	3.7	−58.4	58.6	273		0.033	0.0	1.0	▇	▇	▇
306	273	274	0.05	0.0	1.0	30.6	76.1	−103.1	128.2	306		0.0	0.599	1.0	58.5	3.0	−57.8	58.0	273		0.05	0.0	1.0	0.0	0.586	1.0	57.7	4.8	−59.4	59.7	274		0.05	0.0	1.0	▇	▇	▇
306	274	275	0.066	0.0	1.0	30.7	76.1	−103.0	128.1	306		0.0	0.591	1.0	58.0	4.1	−58.8	59.0	274		0.067	0.0	1.0	0.0	0.578	1.0	57.1	5.8	−60.3	60.7	275		0.067	0.0	1.0	▇	▇	▇
306	275	276	0.083	0.0	1.0	30.8	76.2	−102.8	128.0	306		0.0	0.583	1.0	57.4	5.2	−59.8	60.1	275		0.083	0.0	1.0	0.0	0.57	1.0	56.6	7.0	−61.2	61.7	276		0.083	0.0	1.0	▇	▇	▇
306	276	277	0.1	0.0	1.0	30.9	76.2	−102.7	127.9	306		0.0	0.574	1.0	56.9	6.4	−60.7	61.2	276		0.1	0.0	1.0	0.0	0.563	1.0	56.1	8.1	−62.0	62.7	277		0.1	0.0	1.0	▇	▇	▇
306	277	278	0.116	0.0	1.0	30.9	76.2	−102.5	127.8	306		0.0	0.566	1.0	56.3	7.6	−61.7	62.2	277		0.117	0.0	1.0	0.0	0.555	1.0	55.5	9.3	−62.9	63.7	278		0.117	0.0	1.0	▇	▇	▇
306	278	279	0.133	0.0	1.0	31.1	76.3	−102.3	127.6	306		0.0	0.558	1.0	55.7	8.8	−62.6	63.3	278		0.133	0.0	1.0	0.0	0.547	1.0	55.0	10.5	−63.7	64.7	279		0.133	0.0	1.0	▇	▇	▇
306	279	280	0.15	0.0	1.0	31.3	76.3	−101.9	127.4	306		0.0	0.55	1.0	55.2	10.1	−63.5	64.3	279		0.15	0.0	1.0	0.0	0.539	1.0	54.5	11.7	−64.5	65.7	280		0.15	0.0	1.0	▇	▇	▇
306	280	281	0.166	0.0	1.0	31.5	76.4	−101.6	127.1	306		0.0	0.541	1.0	54.6	11.4	−64.3	65.4	280		0.167	0.0	1.0	0.0	0.531	1.0	53.9	13.0	−65.3	66.7	281		0.167	0.0	1.0	▇	▇	▇
307	281	282	0.183	0.0	1.0	31.7	76.5	−101.2	126.9	307		0.0	0.533	1.0	54.1	12.7	−65.1	66.5	281		0.183	0.0	1.0	0.0	0.524	1.0	53.4	14.3	−66.1	67.7	282		0.183	0.0	1.0	▇	▇	▇
307	282	283	0.2	0.0	1.0	31.9	76.6	−100.9	126.7	307		0.0	0.525	1.0	53.5	14.0	−66.0	67.5	282		0.2	0.0	1.0	0.0	0.516	1.0	52.9	15.6	−66.8	68.7	283		0.2	0.0	1.0	▇	▇	▇
307	283	284	0.216	0.0	1.0	32.1	76.6	−100.5	126.4	307		0.0	0.517	1.0	52.9	15.4	−66.7	68.6	283		0.217	0.0	1.0	0.0	0.508	1.0	52.3	16.9	−67.5	69.7	284		0.217	0.0	1.0	▇	▇	▇
307	284	285	0.233	0.0	1.0	32.3	76.7	−100.1	126.2	307		0.0	0.508	1.0	52.4	16.9	−67.5	69.7	284		0.233	0.0	1.0	0.0	0.5	1.0	51.8	18.3	−68.2	70.7	285		0.233	0.0	1.0	▇	▇	▇
307	285	285	0.25	0.0	1.0	32.6	76.8	−99.8	125.9	307		0.0	0.5	1.0	51.8	18.3	−68.2	70.7	285		0.25	0.0	1.0	0.0	0.488	1.0	51.0	19.9	−69.6	72.5	285		0.25	0.0	1.0	▇	▇	▇
307	286	286	0.266	0.0	1.0	32.9	77.0	−99.2	125.6	307		0.0	0.488	1.0	51.0	20.0	−69.7	72.6	286		0.267	0.0	1.0	0.0	0.476	1.0	50.3	21.6	−71.0	74.3	286		0.267	0.0	1.0	▇	▇	▇
308	287	287	0.283	0.0	1.0	33.2	77.1	−98.6	125.2	308		0.0	0.475	1.0	50.2	21.8	−71.2	74.5	287		0.283	0.0	1.0	0.0	0.464	1.0	49.5	23.3	−72.4	76.1	287		0.283	0.0	1.0	▇	▇	▇
308	288	288	0.3	0.0	1.0	33.6	77.3	−98.1	124.9	308		0.0	0.462	1.0	49.4	23.6	−72.6	76.4	288		0.3	0.0	1.0	0.0	0.452	1.0	48.8	25.1	−73.7	77.9	288		0.3	0.0	1.0	▇	▇	▇
308	289	289	0.316	0.0	1.0	33.9	77.4	−97.5	124.5	308		0.0	0.45	1.0	48.6	25.5	−74.0	78.3	289		0.317	0.0	1.0	0.0	0.44	1.0	48.0	26.9	−75.0	79.8	289		0.317	0.0	1.0	▇	▇	▇
308	290	290	0.333	0.0	1.0	34.3	77.6	−96.9	124.1	308		0.0	0.437	1.0	47.8	27.4	−75.3	80.2	290		0.333	0.0	1.0	0.0	0.428	1.0	47.2	28.8	−76.2	81.6	290		0.333	0.0	1.0	▇	▇	▇
308	291	291	0.35	0.0	1.0	34.6	77.7	−96.3	123.8	308		0.0	0.424	1.0	47.0	29.4	−76.6	82.1	291		0.35	0.0	1.0	0.0	0.416	1.0	46.5	30.7	−77.4	83.4	291		0.35	0.0	1.0	▇	▇	▇
309	292	292	0.366	0.0	1.0	34.9	77.9	−95.7	123.4	309		0.0	0.412	1.0	46.2	31.5	−77.8	84.1	292		0.367	0.0	1.0	0.0	0.404	1.0	45.7	32.7	−78.5	85.2	292		0.367	0.0	1.0	▇	▇	▇
309	293	293	0.383	0.0	1.0	35.3	78.1	−95.1	123.0	309		0.0	0.399	1.0	45.4	33.6	−79.0	86.0	293		0.383	0.0	1.0	0.0	0.392	1.0	44.9	34.7	−79.7	87.0	293		0.383	0.0	1.0	▇	▇	▇
309	294	294	0.4	0.0	1.0	35.8	78.3	−94.3	122.6	309		0.0	0.386	1.0	44.6	35.7	−80.2	87.9	294		0.4	0.0	1.0	0.0	0.38	1.0	44.2	36.8	−80.7	88.8	294		0.4	0.0	1.0	▇	▇	▇
310	295	295	0.416	0.0	1.0	36.3	78.6	−93.5	122.2	310		0.0	0.373	1.0	43.7	38.0	−81.4	89.9	295		0.417	0.0	1.0	0.0	0.364	1.0	43.3	39.2	−82.2	91.2	295		0.417	0.0	1.0	▇	▇	▇
310	296	296	0.433	0.0	1.0	36.7	78.9	−92.7	121.8	310		0.0	0.353	1.0	42.7	40.7	−83.3	92.8	296		0.433	0.0	1.0	0.0	0.345	1.0	42.3	41.7	−84.0	93.9	296		0.433	0.0	1.0	▇	▇	▇
310	297	297	0.45	0.0	1.0	37.2	79.1	−92.0	121.3	310		0.0	0.333	1.0	41.6	43.5	−85.2	95.7	297		0.45	0.0	1.0	0.0	0.327	1.0	41.3	44.4	−85.8	96.7	297		0.45	0.0	1.0	▇	▇	▇
311	298	298	0.466	0.0	1.0	37.6	79.3	−91.2	120.9	311		0.0	0.313	1.0	40.5	46.3	−87.0	98.6	298		0.467	0.0	1.0	0.0	0.308	1.0	40.3	47.1	−87.5	99.4	298		0.467	0.0	1.0	▇	▇	▇
311	299	299	0.483	0.0	1.0	38.1	79.6	−90.4	120.5	311		0.0	0.293	1.0	39.5	49.2	−88.7	101.5	299		0.483	0.0	1.0	0.0	0.289	1.0	39.2	49.9	−89.1	102.2	299		0.483	0.0	1.0	▇	▇	▇
311	300	300	0.5	0.0	1.0	38.5	79.8	−89.7	120.0	311		0.0	0.274	1.0	38.4	52.2	−90.4	104.5	300		0.5	0.0	1.0	0.0	0.27	1.0	38.2	52.8	−90.6	105.0	300		0.5	0.0	1.0	▇	▇	▇

3−1131030−L0 QF520−73 LAB*la0, YN=0%, XYZnw=0.0, 0.0, 0.0, 84.2, 88.6, 96.5, LAB*nw=0.0, 0.0, 0.0, 95.4, 0.0, 0.0

sortie: sRGB standard device; no separation, D65, page 11/29

voir fichiers similaires: http://130.149.60.45/~farbmetrik/QF52/QF52.HTM
informations techniques: http://www.ps.bam.de ou http://130.149.60.45/~farbmetrik

TUB enregistrement: 20130201-QF52/QF52L0FP.PDF /.PS
application pour la mesure de sortie sur écran, aucune séparation

TUB matériel: code=rha4ta

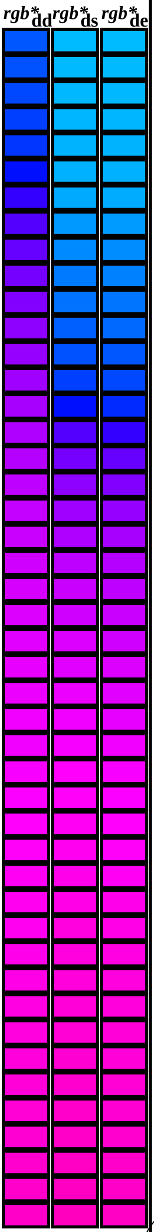
graphique TUB-QF52; code de teinte: H^*_e=Y50G$_e$
cercle chromatique 48 paliers; tableaux *rgb−LabCh**

entrée : *rgb/cmyk* −> *rgb*$_{de}$
sortie : linéarisation 3D selon *rgb**$_{de}$

voir fichiers similaires: http://130.149.60.45/~farbmetrik/QF52/QF52.HTM
informations techniques: http://www.ps.bam.de ou http://130.149.60.45/~farbmetrik

Couleur maximale dans le système colorimetrique : sRGB standard device; no separation, D65 pour l'entrée et sortie; Six angles de teinte à 60 degrès 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*$_d$: $h_{ab,d}$ = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2; 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)						rgb*ds361Mi			LAB*dsx361Mi (x=LabCh)						rgb*dd361Mi			rgb*de361Mi			LAB*dex361Mi (x=LabCh)						rgb*dd361Mi		
311	300	300	0.5	0.0	1.0	38.5	79.8	−89.7	120.0	311		0.0	0.274	1.0	38.4	52.2	−90.4	104.5	300		0.5	0.0	1.0	0.0	0.27	1.0	38.2	52.8	−90.6	105.0	300		0.5	0.0	1.0
312	301	301	0.516	0.0	1.0	39.1	80.2	−88.7	119.6	312		0.0	0.254	1.0	37.4	55.3	−91.9	107.4	301		0.517	0.0	1.0	0.0	0.251	1.0	37.2	55.7	−92.1	107.7	301		0.517	0.0	1.0
312	302	302	0.533	0.0	1.0	39.6	80.6	−87.8	119.2	312		0.0	0.222	1.0	36.1	58.8	−94.1	111.0	302		0.533	0.0	1.0	0.0	0.22	1.0	36.0	59.1	−94.2	111.3	302		0.533	0.0	1.0
312	303	303	0.55	0.0	1.0	40.2	80.9	−86.9	118.8	312		0.0	0.188	1.0	34.8	62.6	−96.3	114.9	303		0.55	0.0	1.0	0.0	0.187	1.0	34.8	62.6	−96.3	115.0	303		0.55	0.0	1.0
313	304	303	0.566	0.0	1.0	40.7	81.3	−86.0	118.3	313		0.0	0.153	1.0	33.5	66.4	−98.4	118.8	304		0.567	0.0	1.0	0.0	0.154	1.0	33.6	66.3	−98.3	118.6	303		0.567	0.0	1.0
313	305	304	0.583	0.0	1.0	41.3	81.6	−85.1	117.9	313		0.0	0.109	1.0	32.2	70.4	−100.4	122.7	305		0.583	0.0	1.0	0.0	0.117	1.0	32.4	70.0	−100.2	122.3	304		0.583	0.0	1.0
314	306	305	0.6	0.0	1.0	41.8	82.0	−84.1	117.5	314		0.0	0.024	1.0	30.8	74.8	−102.8	127.2	306		0.6	0.0	1.0	0.0	0.036	1.0	31.0	74.2	−102.5	126.6	305		0.6	0.0	1.0
314	307	306	0.616	0.0	1.0	42.4	82.3	−83.2	117.0	314		0.172	0.0	1.0	31.6	76.5	−101.4	127.1	307		0.617	0.0	1.0	0.146	0.0	1.0	31.3	76.4	−102.0	127.5	306		0.617	0.0	1.0
315	308	307	0.633	0.0	1.0	43.0	82.7	−82.2	116.6	315		0.282	0.0	1.0	33.2	77.2	−98.6	125.3	308		0.633	0.0	1.0	0.263	0.0	1.0	32.9	77.0	−99.3	125.7	307		0.633	0.0	1.0
315	309	308	0.65	0.0	1.0	43.6	83.2	−81.2	116.3	315		0.357	0.0	1.0	34.8	77.8	−96.0	123.7	309		0.65	0.0	1.0	0.335	0.0	1.0	34.3	77.6	−96.8	124.2	308		0.65	0.0	1.0
316	310	309	0.666	0.0	1.0	44.2	83.7	−80.2	115.9	316		0.414	0.0	1.0	36.2	78.6	−93.6	122.3	310		0.667	0.0	1.0	0.396	0.0	1.0	35.8	78.3	−94.4	122.8	309		0.667	0.0	1.0
316	311	310	0.683	0.0	1.0	44.8	84.1	−79.2	115.5	316		0.465	0.0	1.0	37.6	79.4	−91.2	121.0	311		0.683	0.0	1.0	0.445	0.0	1.0	37.1	79.1	−92.2	121.5	310		0.683	0.0	1.0
317	312	311	0.7	0.0	1.0	45.4	84.6	−78.1	115.2	317		0.513	0.0	1.0	39.0	80.1	−88.9	119.8	312		0.7	0.0	1.0	0.493	0.0	1.0	38.4	79.8	−89.9	120.3	311		0.7	0.0	1.0
317	313	312	0.716	0.0	1.0	46.0	85.0	−77.1	114.8	317		0.551	0.0	1.0	40.3	81.0	−86.8	118.8	313		0.717	0.0	1.0	0.532	0.0	1.0	39.6	80.6	−87.9	119.3	312		0.717	0.0	1.0
318	314	313	0.733	0.0	1.0	46.6	85.4	−76.1	114.4	318		0.59	0.0	1.0	41.6	81.8	−84.6	117.8	314		0.733	0.0	1.0	0.569	0.0	1.0	40.8	81.4	−85.8	118.3	313		0.733	0.0	1.0
318	315	314	0.75	0.0	1.0	47.2	85.8	−75.1	114.0	318		0.628	0.0	1.0	42.8	82.6	−82.5	116.8	315		0.75	0.0	1.0	0.605	0.0	1.0	42.1	82.1	−83.8	117.4	314		0.75	0.0	1.0
319	316	315	0.766	0.0	1.0	47.9	86.4	−74.0	113.8	319		0.66	0.0	1.0	44.0	83.5	−80.6	116.1	316		0.767	0.0	1.0	0.639	0.0	1.0	43.2	82.9	−81.8	116.6	315		0.767	0.0	1.0
320	317	316	0.783	0.0	1.0	48.5	87.0	−72.9	113.5	320		0.692	0.0	1.0	45.2	84.4	−78.6	115.4	317		0.783	0.0	1.0	0.669	0.0	1.0	44.3	83.8	−80.0	115.9	316		0.783	0.0	1.0
320	318	317	0.8	0.0	1.0	49.2	87.5	−71.8	113.2	320		0.724	0.0	1.0	46.3	85.2	−76.6	114.7	318		0.8	0.0	1.0	0.699	0.0	1.0	45.4	84.6	−78.1	115.2	317		0.8	0.0	1.0
321	319	318	0.816	0.0	1.0	49.8	88.1	−70.7	113.0	321		0.755	0.0	1.0	47.5	86.0	−74.7	114.0	319		0.817	0.0	1.0	0.729	0.0	1.0	46.5	85.4	−76.3	114.5	318		0.817	0.0	1.0
321	320	319	0.833	0.0	1.0	50.5	88.6	−69.6	112.7	321		0.783	0.0	1.0	48.6	87.0	−72.9	113.6	320		0.833	0.0	1.0	0.758	0.0	1.0	47.6	86.2	−74.5	114.0	319		0.833	0.0	1.0
322	321	320	0.85	0.0	1.0	51.2	89.1	−68.5	112.4	322		0.81	0.0	1.0	49.7	87.9	−71.1	113.1	321		0.85	0.0	1.0	0.785	0.0	1.0	48.6	87.1	−72.8	113.5	320		0.85	0.0	1.0
323	322	321	0.866	0.0	1.0	51.8	89.6	−67.4	112.1	323		0.838	0.0	1.0	50.7	88.8	−69.3	112.7	322		0.867	0.0	1.0	0.811	0.0	1.0	49.7	87.9	−71.0	113.1	321		0.867	0.0	1.0
323	323	321	0.883	0.0	1.0	52.5	90.1	−66.3	111.9	323		0.866	0.0	1.0	51.8	89.6	−67.4	112.2	323		0.883	0.0	1.0	0.837	0.0	1.0	50.7	88.8	−69.3	112.7	321		0.883	0.0	1.0
324	324	322	0.9	0.0	1.0	53.2	90.8	−65.2	111.8	324		0.892	0.0	1.0	52.9	90.5	−65.7	111.9	324		0.9	0.0	1.0	0.864	0.0	1.0	51.7	89.5	−67.6	112.2	322		0.9	0.0	1.0
324	325	323	0.916	0.0	1.0	53.8	91.4	−64.1	111.6	324		0.918	0.0	1.0	53.9	91.5	−64.0	111.7	325		0.917	0.0	1.0	0.889	0.0	1.0	52.8	90.4	−65.9	111.9	323		0.917	0.0	1.0
325	326	324	0.933	0.0	1.0	54.5	92.0	−62.9	111.5	325		0.943	0.0	1.0	55.0	92.4	−62.2	111.5	326		0.933	0.0	1.0	0.913	0.0	1.0	53.7	91.3	−64.3	111.7	324		0.933	0.0	1.0
326	327	325	0.95	0.0	1.0	55.2	92.6	−61.8	111.4	326		0.969	0.0	1.0	56.0	93.3	−60.5	111.3	327		0.95	0.0	1.0	0.937	0.0	1.0	54.7	92.2	−62.6	111.5	325		0.95	0.0	1.0
326	328	326	0.966	0.0	1.0	55.9	93.2	−60.7	111.2	326		0.994	0.0	1.0	57.1	94.2	−58.7	111.0	328		0.967	0.0	1.0	0.961	0.0	1.0	55.7	93.1	−61.0	111.3	326		0.967	0.0	1.0
327	329	327	0.983	0.0	1.0	56.6	93.8	−59.5	111.1	327		1.0	0.0	0.984	57.1	93.9	−56.4	109.6	329		0.983	0.0	1.0	0.985	0.0	1.0	56.7	93.9	−59.3	111.1	327		0.983	0.0	1.0
328	330	328	1.0	0.0	1.0	57.2	94.3	−58.4	110.9	328	M_d	1.0	0.0	0.962	56.8	93.4	−53.8	107.8	330	M_s	1.0	0.0	1.0	1.0	0.0	0.992	57.2	94.2	−57.4	110.3	328	M_e	1.0	0.0	1.0
329	331	329	1.0	0.0	0.983	57.0	93.9	−56.4	109.5	329		1.0	0.0	0.941	56.5	92.7	−51.3	106.0	331		1.0	0.0	0.983	1.0	0.0	0.972	56.9	93.6	−54.9	108.6	329		1.0	0.0	0.983
329	332	330	1.0	0.0	0.966	56.8	93.4	−54.4	108.1	329		1.0	0.0	0.919	56.2	92.0	−48.8	104.2	332		1.0	0.0	0.967	1.0	0.0	0.951	56.7	93.0	−52.5	106.9	330		1.0	0.0	0.967
330	333	331	1.0	0.0	0.95	56.6	92.9	−52.4	106.7	330		1.0	0.0	0.898	55.9	91.2	−46.4	102.4	333		1.0	0.0	0.95	1.0	0.0	0.931	56.4	92.4	−50.2	105.2	331		1.0	0.0	0.95
331	334	332	1.0	0.0	0.933	56.4	92.4	−50.5	105.3	331		1.0	0.0	0.876	55.7	90.4	−44.0	100.5	334		1.0	0.0	0.933	1.0	0.0	0.911	56.1	91.7	−47.8	103.4	332		1.0	0.0	0.933
332	335	333	1.0	0.0	0.916	56.1	91.8	−48.6	103.9	332		1.0	0.0	0.86	55.5	90.0	−41.9	99.3	335		1.0	0.0	0.917	1.0	0.0	0.89	55.8	90.9	−45.5	101.7	333		1.0	0.0	0.917
332	336	334	1.0	0.0	0.9	55.9	91.2	−46.7	102.5	332		1.0	0.0	0.843	55.3	89.6	−39.8	98.1	336		1.0	0.0	0.9	1.0	0.0	0.871	55.6	90.2	−43.3	100.2	334		1.0	0.0	0.9
333	337	335	1.0	0.0	0.883	55.7	90.6	−44.8	101.1	333		1.0	0.0	0.827	55.1	89.2	−37.8	96.9	337		1.0	0.0	0.883	1.0	0.0	0.856	55.4	89.9	−41.4	99.0	335		1.0	0.0	0.883
334	338	336	1.0	0.0	0.866	55.5	90.1	−42.8	99.8	334		1.0	0.0	0.811	54.9	88.8	−35.8	95.8	338		1.0	0.0	0.867	1.0	0.0	0.84	55.2	89.6	−39.4	97.9	336		1.0	0.0	0.867
335	339	337	1.0	0.0	0.85	55.3	89.8	−40.7	98.6	335		1.0	0.0	0.794	54.7	88.3	−33.8	94.6	339		1.0	0.0	0.85	1.0	0.0	0.825	55.1	89.2	−37.5	96.8	337		1.0	0.0	0.85
336	340	338	1.0	0.0	0.833	55.1	89.4	−38.6	97.4	336		1.0	0.0	0.778	54.5	87.7	−31.8	93.4	340		1.0	0.0	0.833	1.0	0.0	0.809	54.9	88.7	−35.6	95.7	338		1.0	0.0	0.833
337	341	339	1.0	0.0	0.816	54.9	88.9	−36.6	96.2	337		1.0	0.0	0.761	54.3	87.2	−29.9	92.2	341		1.0	0.0	0.817	1.0	0.0	0.794	54.7	88.3	−33.7	94.5	339		1.0	0.0	0.817
338	342	339	1.0	0.0	0.8	54.7	88.4	−34.5	94.9	338		1.0	0.0	0.746	54.2	86.7	−28.1	91.1	342		1.0	0.0	0.8	1.0	0.0	0.778	54.5	87.8	−31.9	93.4	339		1.0	0.0	0.8
339	343	340	1.0	0.0	0.783	54.5	87.9	−32.5	93.7	339		1.0	0.0	0.733	54.1	86.5	−26.3	90.5	343		1.0	0.0	0.783	1.0	0.0	0.763	54.4	87.2	−30.0	92.3	340		1.0	0.0	0.783
340	344	341	1.0	0.0	0.766	54.4	87.3	−30.6	92.5	340		1.0	0.0	0.72	53.9	86.3	−24.6	89.8	344		1.0	0.0	0.767	1.0	0.0	0.748	54.2	86.7	−28.3	91.2	341		1.0	0.0	0.767
341	345	342	1.0	0.0	0.75	54.2	86.7	−28.6	91.3	341		1.0	0.0	0.707	53.8	86.0	−23.0	89.1	345		1.0	0.0	0.75	1.0	0.0	0.735	54.1	86.5	−26.6	90.6	342		1.0	0.0	0.75



3−1131130−L0 QF520−73 LAB*la0, YN=0%, XYZnw=0.0, 0.0, 0.0, 84.2, 88.6, 96.5, LAB*nw=0.0, 0.0, 0.0, 95.4, 0.0, 0.0 sortie: sRGB standard device; no separation, D65, page 12/29

graphique TUB-QF52; code de teinte: H*$_e$=Y50G$_e$
cercle chromatique 48 paliers; tableaux *rgb−LabCh**

entrée : *rgb/cmyk −> rgb*$_{de}$
sortie : linéarisation 3D selon *rgb**$_{de}$

TUB enregistrement: 20130201-QF52/QF52L0FP.PDF /.PS
application pour la mesure de sortie sur écran, aucune séparation

TUB matériel: code=rha4ta

http://130.149.60.45/~farbmetrik/QF52/QF52L0FP.PDF /.PS; linéarisation 3D
F: linéarisation 3D QF52/QF52LF30FP.DAT dans fichier (F), páge 13/29

voir fichiers similaires: http://130.149.60.45/~farbmetrik/QF52/QF52.HTM
informations techniques: http://www.ps.bam.de ou http://130.149.60.45/~farbmetrik

Couleur maximale dans le système colorimetrique : sRGB standard device; no separation, D65 pour l'entrée et sortie; Six angles de teinte à 60 degrès 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*$_d$: $h_{ab,d}$ = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2; 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)					*rgb**ds361Mi			*LAB**dsx361Mi (x=LabCh)					*rgb**dd361Mi			*rgb**de361Mi			*LAB**dex361Mi (x=LabCh)					*rgb**dd361Mi			*rgb**dd	*rgb**ds	*rgb**de
341	345	342	1.0	0.0	0.75	54.2	86.7	−28.6	91.3	341	1.0	0.0	0.707	53.8	86.0	−23.0	89.1	345	1.0	0.0	0.75	1.0	0.0	0.735	54.1	86.5	−26.6	90.6	342	1.0	0.0	0.75	■	■	■
342	346	343	1.0	0.0	0.733	54.0	86.5	−26.4	90.4	342	1.0	0.0	0.695	53.7	85.7	−21.3	88.4	346	1.0	0.0	0.733	1.0	0.0	0.723	54.0	86.3	−25.0	89.9	343	1.0	0.0	0.733	■	■	■
344	347	344	1.0	0.0	0.716	53.8	86.2	−24.2	89.5	344	1.0	0.0	0.682	53.6	85.4	−19.6	87.7	347	1.0	0.0	0.717	1.0	0.0	0.711	53.8	86.1	−23.4	89.3	344	1.0	0.0	0.717	■	■	■
345	348	345	1.0	0.0	0.7	53.7	85.8	−22.0	88.6	345	1.0	0.0	0.669	53.4	85.1	−18.0	87.0	348	1.0	0.0	0.7	1.0	0.0	0.699	53.7	85.8	−21.8	88.6	345	1.0	0.0	0.7	■	■	■
346	349	346	1.0	0.0	0.683	53.5	85.4	−19.9	87.7	346	1.0	0.0	0.656	53.3	84.7	−16.4	86.3	349	1.0	0.0	0.683	1.0	0.0	0.687	53.6	85.6	−20.3	87.9	346	1.0	0.0	0.683	■	■	■
348	350	347	1.0	0.0	0.666	53.4	85.0	−17.8	86.8	348	1.0	0.0	0.643	53.2	84.3	−14.8	85.6	350	1.0	0.0	0.667	1.0	0.0	0.674	53.5	85.2	−18.7	87.3	347	1.0	0.0	0.667	■	■	■
349	351	348	1.0	0.0	0.65	53.2	84.5	−15.7	85.9	349	1.0	0.0	0.63	53.1	83.9	−13.2	84.9	351	1.0	0.0	0.65	1.0	0.0	0.662	53.4	84.9	−17.2	86.6	348	1.0	0.0	0.65	■	■	■
350	352	349	1.0	0.0	0.633	53.0	83.9	−13.6	85.0	350	1.0	0.0	0.619	53.0	83.6	−11.7	84.4	352	1.0	0.0	0.633	1.0	0.0	0.65	53.3	84.5	−15.6	86.0	349	1.0	0.0	0.633	■	■	■
352	353	350	1.0	0.0	0.616	52.9	83.6	−11.4	84.3	352	1.0	0.0	0.608	52.9	83.5	−10.2	84.2	353	1.0	0.0	0.617	1.0	0.0	0.638	53.1	84.1	−14.1	85.3	350	1.0	0.0	0.617	■	■	■
353	354	351	1.0	0.0	0.6	52.8	83.4	−9.1	83.9	353	1.0	0.0	0.597	52.8	83.4	−8.7	83.9	354	1.0	0.0	0.6	1.0	0.0	0.626	53.0	83.7	−12.6	84.7	351	1.0	0.0	0.6	■	■	■
355	355	352	1.0	0.0	0.583	52.7	83.2	−6.9	83.5	355	1.0	0.0	0.586	52.7	83.3	−7.2	83.6	355	1.0	0.0	0.583	1.0	0.0	0.615	52.9	83.6	−11.2	84.4	352	1.0	0.0	0.583	■	■	■
356	356	353	1.0	0.0	0.566	52.5	82.9	−4.6	83.0	356	1.0	0.0	0.575	52.6	83.1	−5.7	83.3	356	1.0	0.0	0.567	1.0	0.0	0.605	52.9	83.5	−9.8	84.1	353	1.0	0.0	0.567	■	■	■
358	357	354	1.0	0.0	0.55	52.4	82.5	−2.4	82.6	358	1.0	0.0	0.564	52.6	82.9	−4.2	83.0	357	1.0	0.0	0.55	1.0	0.0	0.595	52.8	83.4	−8.4	83.8	354	1.0	0.0	0.55	■	■	■
359	358	355	1.0	0.0	0.533	52.3	82.1	−0.1	82.1	359	1.0	0.0	0.554	52.5	82.7	−2.8	82.7	358	1.0	0.0	0.533	1.0	0.0	0.584	52.7	83.2	−7.0	83.5	355	1.0	0.0	0.533	■	■	■
361	359	356	1.0	0.0	0.516	52.1	81.6	2.0	81.7	361	1.0	0.0	0.543	52.4	82.4	−1.3	82.4	359	1.0	0.0	0.517	1.0	0.0	0.574	52.6	83.1	−5.6	83.3	356	1.0	0.0	0.517	■	■	■
362	360	352	1.0	0.0	0.5	52.0	81.1	4.1	81.2	362	1.0	0.0	0.532	52.3	82.1	0.0	82.1	360	1.0	0.0	0.5	1.0	0.0	0.618	53.0	83.6	−11.6	84.4	352	1.0	0.0	0.5	■	■	■
364	361	353	1.0	0.0	0.483	51.9	81.1	6.5	81.3	364	1.0	0.0	0.521	52.2	81.8	1.4	81.8	361	1.0	0.0	0.483	1.0	0.0	0.606	52.9	83.5	−9.9	84.1	353	1.0	0.0	0.483	■	■	■
366	362	354	1.0	0.0	0.466	51.8	81.0	8.8	81.5	366	1.0	0.0	0.51	52.1	81.5	2.8	81.6	362	1.0	0.0	0.467	1.0	0.0	0.594	52.8	83.4	−8.2	83.8	354	1.0	0.0	0.467	■	■	■
367	363	355	1.0	0.0	0.45	51.7	80.8	11.1	81.6	367	1.0	0.0	0.499	52.1	81.2	4.3	81.3	363	1.0	0.0	0.45	1.0	0.0	0.582	52.7	83.2	−6.6	83.5	355	1.0	0.0	0.45	■	■	■
369	364	356	1.0	0.0	0.433	51.6	80.6	13.5	81.7	369	1.0	0.0	0.489	52.0	81.2	5.7	81.4	364	1.0	0.0	0.433	1.0	0.0	0.57	52.6	83.0	−5.0	83.1	356	1.0	0.0	0.433	■	■	■
371	365	357	1.0	0.0	0.416	51.5	80.3	15.8	81.8	371	1.0	0.0	0.479	51.9	81.1	7.1	81.4	365	1.0	0.0	0.417	1.0	0.0	0.558	52.5	82.7	−3.3	82.8	357	1.0	0.0	0.417	■	■	■
372	366	358	1.0	0.0	0.4	51.4	79.9	18.1	81.9	372	1.0	0.0	0.469	51.9	81.1	8.5	81.5	366	1.0	0.0	0.4	1.0	0.0	0.546	52.4	82.5	−1.7	82.5	358	1.0	0.0	0.4	■	■	■
374	367	359	1.0	0.0	0.383	51.4	79.5	20.4	82.1	374	1.0	0.0	0.459	51.8	81.0	9.9	81.6	367	1.0	0.0	0.383	1.0	0.0	0.533	52.3	82.2	−0.1	82.2	359	1.0	0.0	0.383	■	■	■
376	368	360	1.0	0.0	0.366	51.3	79.3	22.7	82.5	376	1.0	0.0	0.449	51.8	80.9	11.4	81.6	368	1.0	0.0	0.367	1.0	0.0	0.521	52.2	81.8	1.4	81.9	360	1.0	0.0	0.367	■	■	■
377	369	362	1.0	0.0	0.35	51.2	79.3	25.1	83.2	377	1.0	0.0	0.439	51.7	80.7	12.8	81.7	369	1.0	0.0	0.35	1.0	0.0	0.509	52.1	81.5	3.0	81.5	362	1.0	0.0	0.35	■	■	■
379	370	363	1.0	0.0	0.333	51.1	79.2	27.4	83.8	379	1.0	0.0	0.429	51.7	80.6	14.2	81.8	370	1.0	0.0	0.333	1.0	0.0	0.497	52.1	81.2	4.5	81.3	363	1.0	0.0	0.333	■	■	■
380	371	364	1.0	0.0	0.316	51.1	79.1	29.7	84.5	380	1.0	0.0	0.418	51.6	80.4	15.6	81.9	371	1.0	0.0	0.317	1.0	0.0	0.486	52.0	81.1	6.1	81.4	364	1.0	0.0	0.317	■	■	■
382	372	365	1.0	0.0	0.3	51.0	78.9	32.1	85.2	382	1.0	0.0	0.408	51.5	80.1	17.0	81.9	372	1.0	0.0	0.3	1.0	0.0	0.475	51.9	81.1	7.7	81.5	365	1.0	0.0	0.3	■	■	■
383	373	366	1.0	0.0	0.283	51.0	78.7	34.4	85.9	383	1.0	0.0	0.398	51.5	79.9	18.4	82.0	373	1.0	0.0	0.283	1.0	0.0	0.464	51.9	81.0	9.3	81.5	366	1.0	0.0	0.283	■	■	■
385	374	367	1.0	0.0	0.266	50.9	78.3	36.8	86.6	385	1.0	0.0	0.388	51.4	79.6	19.9	82.1	374	1.0	0.0	0.267	1.0	0.0	0.452	51.8	80.9	10.9	81.6	367	1.0	0.0	0.267	■	■	■
386	375	368	1.0	0.0	0.25	50.8	77.9	39.2	87.2	386	1.0	0.0	0.378	51.4	79.4	21.3	82.2	375	1.0	0.0	0.25	1.0	0.0	0.441	51.7	80.7	12.5	81.7	368	1.0	0.0	0.25	■	■	■
387	376	369	1.0	0.0	0.233	50.8	78.0	41.2	88.2	387	1.0	0.0	0.367	51.3	79.3	22.7	82.5	376	1.0	0.0	0.233	1.0	0.0	0.43	51.7	80.6	14.0	81.8	369	1.0	0.0	0.233	■	■	■
389	377	370	1.0	0.0	0.216	50.8	78.0	43.3	89.2	389	1.0	0.0	0.356	51.3	79.3	24.3	82.9	377	1.0	0.0	0.217	1.0	0.0	0.418	51.6	80.4	15.6	81.9	370	1.0	0.0	0.217	■	■	■
390	378	372	1.0	0.0	0.2	50.7	78.0	45.4	90.2	390	1.0	0.0	0.345	51.2	79.3	25.8	83.4	378	1.0	0.0	0.2	1.0	0.0	0.407	51.5	80.1	17.2	81.9	372	1.0	0.0	0.2	■	■	■
391	379	373	1.0	0.0	0.183	50.7	77.9	47.5	91.2	391	1.0	0.0	0.334	51.2	79.3	27.3	83.8	379	1.0	0.0	0.183	1.0	0.0	0.396	51.5	79.9	18.8	82.0	373	1.0	0.0	0.183	■	■	■
392	380	374	1.0	0.0	0.166	50.6	77.8	49.6	92.2	392	1.0	0.0	0.323	51.2	79.2	28.8	84.3	380	1.0	0.0	0.167	1.0	0.0	0.385	51.4	79.6	20.3	82.1	374	1.0	0.0	0.167	■	■	■
393	381	375	1.0	0.0	0.15	50.6	77.6	51.7	93.3	393	1.0	0.0	0.312	51.1	79.1	30.4	84.7	381	1.0	0.0	0.15	1.0	0.0	0.373	51.3	79.3	21.9	82.3	375	1.0	0.0	0.15	■	■	■
394	382	376	1.0	0.0	0.133	50.6	77.3	53.9	94.3	394	1.0	0.0	0.301	51.1	79.0	31.9	85.2	382	1.0	0.0	0.133	1.0	0.0	0.361	51.3	79.3	23.6	82.8	376	1.0	0.0	0.133	■	■	■
395	383	377	1.0	0.0	0.116	50.5	77.2	55.6	95.1	395	1.0	0.0	0.291	51.0	78.8	33.5	85.6	383	1.0	0.0	0.117	1.0	0.0	0.349	51.3	79.3	25.3	83.3	377	1.0	0.0	0.117	■	■	■
396	384	378	1.0	0.0	0.1	50.5	77.2	56.8	95.9	396	1.0	0.0	0.28	51.0	78.6	35.0	86.1	384	1.0	0.0	0.1	1.0	0.0	0.337	51.2	79.3	27.0	83.8	378	1.0	0.0	0.1	■	■	■
396	385	379	1.0	0.0	0.083	50.5	77.2	58.1	96.6	396	1.0	0.0	0.269	50.9	78.4	36.6	86.5	385	1.0	0.0	0.083	1.0	0.0	0.324	51.2	79.2	28.7	84.2	379	1.0	0.0	0.083	■	■	■
397	386	381	1.0	0.0	0.066	50.5	77.2	59.4	97.4	397	1.0	0.0	0.258	50.9	78.2	38.1	87.0	386	1.0	0.0	0.067	1.0	0.0	0.312	51.1	79.1	30.4	84.7	381	1.0	0.0	0.067	■	■	■
398	387	382	1.0	0.0	0.049	50.5	77.1	60.6	98.1	398	1.0	0.0	0.246	50.9	78.0	39.7	87.5	387	1.0	0.0	0.05	1.0	0.0	0.3	51.1	79.0	32.1	85.2	382	1.0	0.0	0.05	■	■	■
398	388	383	1.0	0.0	0.033	50.5	77.1	61.9	98.9	398	1.0	0.0	0.231	50.8	78.1	41.5	88.4	388	1.0	0.0	0.033	1.0	0.0	0.288	51.0	78.8	33.8	85.7	383	1.0	0.0	0.033	■	■	■
399	389	384	1.0	0.0	0.016	50.5	77.0	63.2	99.6	399	1.0	0.0	0.217	50.8	78.1	43.3	89.3	389	1.0	0.0	0.017	1.0	0.0	0.276	51.0	78.6	35.6	86.2	384	1.0	0.0	0.017	■	■	■
400	390	385	1.0	0.0	0.0	50.4	76.9	64.5	100.4	400 ***R***$_d$	1.0	0.0	0.203	50.8	78.0	45.1	90.1	390 ***R***$_s$	1.0	0.0	0.0	1.0	0.0	0.263	50.9	78.3	37.3	86.7	385 ***R***$_e$	1.0	0.0	0.0	■	■	■

3−1131230−L0 QF520−73 LAB*la0, YN=0%, XYZnw=0.0, 0.0, 0.0, 84.2, 88.6, 96.5, LAB*nw=0.0, 0.0, 0.0, 95.4, 0.0, 0.0

sortie: sRGB standard device; no separation, D65, page 13/29

graphique TUB-QF52; code de teinte: H^*_e=Y50G_e
cercle chromatique 48 paliers; tableaux *rgb−LabCh**

entrée : *rgb/cmyk −> rgb*$_{de}$
sortie : linéarisation 3D selon *rgb**$_{de}$

TUB enregistrement: 20130201-QF52/QF52L0FP.PDF /.PS
application pour la mesure de sortie sur écran, aucune séparation

TUB matériel: code=rha4ta

TUB enregistrement: 20130201-QF52/QF52L0FP.PDF /.PS TUB matériel: code=rha4ta
application pour la mesure de sortie sur ècran, aucune séparation

http://130.149.60.45/~farbmetrik/QF52/QF52L0FP.PDF /.PS; linéarisation 3D
F: linéarisation 3D QF52/QF52LF30FP.DAT dans fichier (F), páge 14/29

n/j	HIC*$_{Fde}$	*rgb*$_{\_Fde}$			*ict*$_{\_Fde}$			$h_{si\_F,de}$	*rgb**$_{Fde}$			*LabCh**$_{Fde}$					*rgb'**$_{Fde}$			*LabCh'**$_{Fde}$					*DE'**$_{Fde}$	$h_{siM,de}$	*rgb**$_{Mde}$			*LabCh**$_{Mde}$				
0/648	R00Y_100_100$_{de}$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4	1.0	0.0	0.264	50.9	78.1	37.1	86.5	25.4	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
1/657	R13Y_100_100$_{de}$	1.0	0.125	0.0	1.0	1.0	0.5	37	1.0	0.0	0.156	50.6	77.6	50.9	92.9	33.2	1.0	0.0	0.157	50.6	77.3	51.2	92.8	33.5	0.4	381	1.0	0.0	0.156	50.6	77.6	50.9	92.9	33.2
2/666	R25Y_100_100$_{de}$	1.0	0.25	0.0	1.0	1.0	0.5	44	1.0	0.102	0.0	51.3	74.4	64.8	98.7	41.0	0.999	0.102	0.0	51.2	74.7	64.8	98.9	40.9	0.2	35	1.0	0.102	0.0	51.3	74.4	64.8	98.7	41.0
3/675	R38Y_100_100$_{de}$	1.0	0.375	0.0	1.0	1.0	0.5	52	1.0	0.358	0.0	57.6	56.9	67.8	88.5	49.9	0.999	0.359	0.0	57.6	57.0	67.6	88.4	49.8	0.1	50	1.0	0.358	0.0	57.6	56.9	67.8	88.5	49.9
4/684	R50Y_100_100$_{de}$	1.0	0.5	0.0	1.0	1.0	0.5	60	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8	0.999	0.489	0.0	63.1	42.6	70.7	82.5	58.9	0.1	59	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8
5/693	R63Y_100_100$_{de}$	1.0	0.625	0.0	1.0	1.0	0.5	68	1.0	0.589	0.0	68.2	30.2	74.2	80.1	67.8	1.0	0.588	0.0	68.1	30.4	73.7	79.8	67.5	0.4	65	1.0	0.589	0.0	68.2	30.2	74.2	80.1	67.8
6/702	R75Y_100_100$_{de}$	1.0	0.75	0.0	1.0	1.0	0.5	76	1.0	0.684	0.0	73.5	18.3	77.7	79.8	76.7	1.0	0.682	0.0	73.3	18.4	77.1	79.3	76.5	0.5	72	1.0	0.684	0.0	73.5	18.3	77.7	79.8	76.7
7/711	R88Y_100_100$_{de}$	1.0	0.875	0.0	1.0	1.0	0.5	83	1.0	0.767	0.0	78.3	7.7	80.7	81.0	84.5	1.0	0.766	0.0	78.2	7.7	80.4	80.8	84.4	0.2	77	1.0	0.767	0.0	78.3	7.7	80.7	81.0	84.5
8/720	Y00G_100_100$_{de}$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3	1.0	0.856	0.0	83.6	−3.4	84.2	84.3	92.3	0.2	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
9/639	Y13G_100_100$_{de}$	0.875	1.0	0.0	1.0	1.0	0.5	97	1.0	0.966	0.0	90.5	−16.5	89.4	91.0	100.4	1.0	0.966	0.0	90.5	−16.7	89.1	90.7	100.6	0.3	88	1.0	0.966	0.0	90.5	−16.5	89.4	91.0	100.4
10/558	Y25G_100_100$_{de}$	0.75	1.0	0.0	1.0	1.0	0.5	104	0.906	1.0	0.0	91.0	−29.9	88.9	93.8	108.6	0.906	1.0	0.0	90.9	−30.0	88.7	93.6	108.6	0.2	94	0.906	1.0	0.0	91.0	−29.9	88.9	93.8	108.6
11/477	Y38G_100_100$_{de}$	0.625	1.0	0.0	1.0	1.0	0.5	112	0.743	1.0	0.0	88.4	−45.5	85.7	97.1	117.9	0.742	0.999	0.0	88.4	−45.6	85.7	97.0	118.0	0.1	104	0.743	1.0	0.0	88.4	−45.5	85.7	97.1	117.9
12/396	Y50G_100_100$_{de}$	0.5	1.0	0.0	1.0	1.0	0.5	120	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2	0.53	0.999	0.0	85.9	−63.0	82.7	104.0	127.3	0.1	118	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2
13/315	Y63G_100_100$_{de}$	0.375	1.0	0.0	1.0	1.0	0.5	128	0.0	1.0	0.072	83.6	−82.4	77.9	113.4	136.5	0.005	1.0	0.072	83.6	−82.3	78.4	113.7	136.4	0.4	153	0.0	1.0	0.072	83.6	−82.4	77.9	113.4	136.5
14/234	Y75G_100_100$_{de}$	0.25	1.0	0.0	1.0	1.0	0.5	136	0.0	1.0	0.436	84.1	−76.0	51.4	91.8	145.9	0.0	1.0	0.439	84.1	−75.8	51.4	91.6	145.8	0.1	175	0.0	1.0	0.436	84.1	−76.0	51.4	91.8	145.9
15/153	Y88G_100_100$_{de}$	0.125	1.0	0.0	1.0	1.0	0.5	143	0.0	1.0	0.593	84.6	−70.0	34.0	77.9	154.0	0.0	1.0	0.594	84.6	−69.9	34.2	77.8	153.9	0.2	186	0.0	1.0	0.593	84.6	−70.0	34.0	77.9	154.0
16/72	G00C_100_100$_{de}$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2	0.0	1.0	0.707	85.1	−64.3	20.9	67.6	162.0	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
17/73	G13C_100_100$_{de}$	0.0	1.0	0.125	1.0	1.0	0.5	157	0.0	1.0	0.778	85.5	−60.7	12.2	61.9	168.6	0.0	1.0	0.779	85.5	−60.3	12.3	61.5	168.4	0.3	197	0.0	1.0	0.778	85.5	−60.7	12.2	61.9	168.6
18/74	G25C_100_100$_{de}$	0.0	1.0	0.25	1.0	1.0	0.5	164	0.0	1.0	0.838	85.8	−57.1	4.9	57.3	175.0	0.0	1.0	0.841	85.8	−56.6	5.0	56.9	174.8	0.4	201	0.0	1.0	0.838	85.8	−57.1	4.9	57.3	175.0
19/75	G38C_100_100$_{de}$	0.0	1.0	0.375	1.0	1.0	0.5	172	0.0	1.0	0.899	86.2	−53.2	−2.1	53.3	182.3	0.0	1.0	0.901	86.2	−52.8	−2.0	52.8	182.2	0.4	204	0.0	1.0	0.899	86.2	−53.2	−2.1	53.3	182.3
20/76	G50C_100_100$_{de}$	0.0	1.0	0.5	1.0	1.0	0.5	180	0.0	1.0	0.951	86.5	−49.9	−8.4	50.6	189.6	0.0	1.0	0.955	86.5	−49.2	−8.4	49.9	189.6	0.6	207	0.0	1.0	0.951	86.5	−49.9	−8.4	50.6	189.6
21/77	G63C_100_100$_{de}$	0.0	1.0	0.625	1.0	1.0	0.5	188	0.0	0.997	1.0	86.6	−45.9	−13.9	47.9	196.9	0.0	0.997	1.0	86.6	−45.8	−13.8	47.9	196.8	0.1	210	0.0	0.997	1.0	86.6	−45.9	−13.9	47.9	196.9
22/78	G75C_100_100$_{de}$	0.0	1.0	0.75	1.0	1.0	0.5	196	0.0	0.958	1.0	83.9	−42.0	−18.9	46.1	204.2	0.0	0.959	1.0	83.9	−41.8	−17.9	45.4	203.1	1.0	212	0.0	0.958	1.0	83.9	−42.0	−18.9	46.1	204.2
23/79	G88C_100_100$_{de}$	0.0	1.0	0.875	1.0	1.0	0.5	203	0.0	0.924	1.0	81.4	−38.3	−22.6	44.5	210.5	0.0	0.925	1.0	81.5	−38.0	−21.5	43.7	209.5	1.1	213	0.0	0.924	1.0	81.4	−38.3	−22.6	44.5	210.5
24/80	C00B_100_100$_{de}$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9	0.0	0.89	1.0	79.0	−34.1	−25.3	42.5	216.6	0.4	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
25/71	C13B_100_100$_{de}$	0.0	0.875	1.0	1.0	1.0	0.5	217	0.0	0.858	1.0	76.8	−30.8	−29.1	42.4	223.3	0.0	0.859	1.0	76.8	−30.5	−28.7	41.9	223.2	0.5	217	0.0	0.858	1.0	76.8	−30.8	−29.1	42.4	223.3
26/62	C25B_100_100$_{de}$	0.0	0.75	1.0	1.0	1.0	0.5	224	0.0	0.829	1.0	74.7	−27.7	−32.7	42.8	229.7	0.0	0.831	1.0	74.8	−27.1	−31.8	41.8	229.5	1.0	219	0.0	0.829	1.0	74.7	−27.7	−32.7	42.8	229.7
27/53	C38B_100_100$_{de}$	0.0	0.625	1.0	1.0	1.0	0.5	232	0.0	0.796	1.0	72.4	−23.6	−36.4	43.4	237.0	0.0	0.797	1.0	72.5	−23.0	−35.4	42.3	236.9	1.0	221	0.0	0.796	1.0	72.4	−23.6	−36.4	43.4	237.0
28/44	C50B_100_100$_{de}$	0.0	0.5	1.0	1.0	1.0	0.5	240	0.0	0.763	1.0	70.0	−19.0	−39.6	43.9	244.3	0.0	0.763	1.0	70.0	−18.7	−39.3	43.5	244.5	0.4	223	0.0	0.763	1.0	70.0	−19.0	−39.6	43.9	244.3
29/35	C63B_100_100$_{de}$	0.0	0.375	1.0	1.0	1.0	0.5	248	0.0	0.725	1.0	67.4	−14.5	−43.8	46.2	251.6	0.0	0.726	1.0	67.4	−13.9	−43.3	45.5	252.1	0.7	225	0.0	0.725	1.0	67.4	−14.5	−43.8	46.2	251.6
30/26	C75B_100_100$_{de}$	0.0	0.25	1.0	1.0	1.0	0.5	256	0.0	0.685	1.0	64.5	−9.4	−48.6	49.5	258.9	0.0	0.686	1.0	64.6	−8.7	−47.7	48.5	259.6	1.1	227	0.0	0.685	1.0	64.5	−9.4	−48.6	49.5	258.9
31/17	C88B_100_100$_{de}$	0.0	0.125	1.0	1.0	1.0	0.5	263	0.0	0.649	1.0	62.0	−4.2	−52.3	52.5	265.3	0.0	0.65	1.0	62.0	−3.7	−51.8	51.9	265.9	0.7	230	0.0	0.649	1.0	62.0	−4.2	−52.3	52.5	265.3
32/8	B00M_100_100$_{de}$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7	0.0	0.609	1.0	59.2	2.0	−56.3	56.3	272.1	0.4	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
33/89	B13M_100_100$_{de}$	0.125	0.0	1.0	1.0	1.0	0.5	277	0.0	0.554	1.0	55.5	9.2	−63.0	63.6	278.3	0.0	0.557	1.0	55.6	9.6	−62.0	62.7	278.8	1.0	236	0.0	0.554	1.0	55.5	9.2	−63.0	63.6	278.3
34/170	B25M_100_100$_{de}$	0.25	0.0	1.0	1.0	1.0	0.5	284	0.0	0.5	1.0	51.8	18.3	−68.3	70.7	285.0	0.0	0.502	1.0	51.9	18.0	−68.0	70.4	284.8	0.3	239	0.0	0.5	1.0	51.8	18.3	−68.3	70.7	285.0
35/251	B38M_100_100$_{de}$	0.375	0.0	1.0	1.0	1.0	0.5	292	0.0	0.404	1.0	45.7	32.7	−78.6	85.1	292.5	0.0	0.407	1.0	45.8	32.6	−78.0	84.5	292.7	0.6	246	0.0	0.404	1.0	45.7	32.7	−78.6	85.1	292.5
36/332	B50M_100_100$_{de}$	0.5	0.0	1.0	1.0	1.0	0.5	300	0.0	0.27	1.0	38.2	52.7	−90.7	104.9	300.1	0.0	0.272	1.0	38.2	52.8	−90.5	104.8	300.2	0.2	254	0.0	0.27	1.0	38.2	52.7	−90.7	104.9	300.1
37/413	B63M_100_100$_{de}$	0.625	0.0	1.0	1.0	1.0	0.5	308	0.263	0.0	1.0	32.8	76.9	−99.3	125.7	307.7	0.264	0.0	0.999	32.8	76.9	−99.4	125.7	307.7	0.0	284	0.263	0.0	1.0	32.8	76.9	−99.3	125.7	307.7
38/494	B75M_100_100$_{de}$	0.75	0.0	1.0	1.0	1.0	0.5	316	0.638	0.0	1.0	43.2	82.9	−81.9	116.5	315.3	0.637	0.0	1.0	43.1	82.8	−82.0	116.5	315.2	0.1	309	0.638	0.0	1.0	43.2	82.9	−81.9	116.5	315.3
39/575	B88M_100_100$_{de}$	0.875	0.0	1.0	1.0	1.0	0.5	323	0.837	0.0	1.0	50.7	88.7	−69.4	112.6	321.9	0.837	0.0	1.0	50.6	88.6	−69.4	112.5	321.9	0.1	321	0.837	0.0	1.0	50.7	88.7	−69.4	112.6	321.9
40/656	M00R_100_100$_{de}$	1.0	0.0	1.0	1.0	1.0	0.5	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6	1.0	0.0	0.991	57.1	94.0	−57.4	110.2	328.5	0.0	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
41/655	M13R_100_100$_{de}$	1.0	0.0	0.875	1.0	1.0	0.5	337	1.0	0.0	0.855	55.4	89.9	−41.4	99.0	335.2	1.0	0.0	0.854	55.3	89.7	−41.4	98.8	335.1	0.2	337	1.0	0.0	0.855	55.4	89.9	−41.4	99.0	335.2
42/654	M25R_100_100$_{de}$	1.0	0.0	0.75	1.0	1.0	0.5	344	1.0	0.0	0.747	54.1	86.7	−28.3	91.2	341.8	1.0	0.0	0.746	54.1	86.6	−28.2	91.1	341.9	0.1	344	1.0	0.0	0.747	54.1	86.7	−28.3	91.2	341.8
43/653	M38R_100_100$_{de}$	1.0	0.0	0.625	1.0	1.0	0.5	352	1.0	0.0	0.65	53.2	84.5	−15.7	85.9	349.4	1.0	0.0	0.647	53.2	84.1	−15.6	85.6	349.4	0.3	350	1.0	0.0	0.65	53.2	84.5	−15.7	85.9	349.4
44/652	M50R_100_100$_{de}$	1.0	0.0	0.5	1.0	1.0	0.5	360	1.0	0.0	0.617	52.9	83.6	−11.6	84.4	352.0	1.0	0.0	0.616	52.9	83.4	−11.5	84.2	352.1	0.1	352	1.0	0.0	0.617	52.9	83.6	−11.6	84.4	352.0
45/651	M63R_100_100$_{de}$	1.0	0.0	0.375	1.0	1.0	0.5	368	1.0	0.0	0.521	52.2	81.8	1.3	81.8	0.9	1.0	0.0	0.522	52.2	81.5	1.1	81.5	0.7	0.3	358	1.0	0.0	0.521	52.2	81.8	1.3	81.8	0.9
46/650	M75R_100_100$_{de}$	1.0	0.0	0.25	1.0	1.0	0.5	376	1.0	0.0	0.429	51.6	80.5	14.0	81.7	9.8	1.0	0.0	0.431	51.6	80.0	13.7	81.2	9.7	0.6	364	1.0	0.0	0.429	51.6	80.5	14.0	81.7	9.8
47/649	M88R_100_100$_{de}$	1.0	0.0	0.125	1.0	1.0	0.5	383	1.0	0.0	0.348	51.2	79.3	25.2	83.2	17.6	1.0	0.0	0.35	51.2	78.9	25.0	82.8	17.6	0.3	369	1.0	0.0	0.348	51.2	79.3	25.2	83.2	17.6
48/648	R00Y_100_100$_{de}$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4	1.0	0.0	0.264	50.9	78.1	37.1	86.5	25.4	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
49/0	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	0.0	0.0	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	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
50/91	NW_013$_{de}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	11.9	0.0	0.0	0.0	0.0	0.129	0.132	0.132	11.9	−0.2	0.0	0.2	198.6	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
51/182	NW_025$_{de}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	23.8	0.0	0.0	0.0	0.0	0.232	0.236	0.237	23.7	−0.4	−0.2	0.4	207.2	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
52/273	NW_038$_{de}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	35.7	0.0	0.0	0.0	0.0	0.345	0.35	0.35	35.7	−0.4	−0.2	0.5	205.6	0.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
53/364	NW_050$_{de}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	47.7	0.0	0.0	0.0	0.0	0.466	0.47	0.471	47.7	−0.3	−0.1	0.4	205.6	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
54/455	NW_063$_{de}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	59.6	0.0	0.0	0.0	0.0	0.59	0.593	0.594	59.4	−0.2	−0.1	0.3	206.3	0.3	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
55/546	NW_075$_{de}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	71.5	0.0	0.0	0.0	0.0	0.721	0.724	0.724	71.3	−0.1	0.0	0.2	207.8	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
56/637	NW_088$_{de}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	83.4	0.0	0.0	0.0	0.0	0.858	0.86	0.86	83.3	0.0	0.0	0.1	212.6	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
57/728	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	325.2	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0

delta *E' = 0.4**

voir fichiers similaires: http://130.149.60.45/~farbmetrik/QF52/QF52.HTM
informations techniques: http://www.ps.bam.de ou http://130.149.60.45/~farbmetrik

QF520−7N, 14/29−F

graphique TUB-QF52; code de teinte: H^*_e=Y50$_e$
couleurs et différences, $\Delta E'^*$

entrée : *rgb/cmyk* −> *rgb*$_{de}$
sortie : linéarisation 3D selon *rgb**$_{de}$

QF5211S

http://130.149.60.45/~farbmetrik/QF52/QF52L0FP.PDF /.PS; linéarisation 3D
F: linéarisation 3D QF52/QF52LF30FP.DAT dans fichier (F), páge 15/29

n/j	HIC*$_{Fde}$	*rgb*$_{\_Fde}$			*ict*$_{\_Fde}$			$h_{si\_F,de}$	*rgb**$_{Fde}$			*LabCh**$_{Fde}$					*rgb'**$_{Fde}$			*LabCh'**$_{Fde}$					*DE'**$_{Fde}$	$h_{siM,de}$	*rgb**$_{Mde}$			*LabCh**$_{Mde}$				
0/648	R00Y_100_100$_{de}$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4	1.0	0.0	0.264	50.9	78.1	37.1	86.5	25.4	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
1/666	R25Y_100_100$_{de}$	1.0	0.25	0.0	1.0	1.0	0.5	44	1.0	0.102	0.0	51.3	74.4	64.8	98.7	41.0	0.999	0.102	0.0	51.2	74.7	64.8	98.9	40.9	0.2	35	1.0	0.102	0.0	51.3	74.4	64.8	98.7	41.0
2/684	R50Y_100_100$_{de}$	1.0	0.5	0.0	1.0	1.0	0.5	60	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8	0.999	0.489	0.0	63.1	42.6	70.7	82.5	58.9	0.1	59	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8
3/702	R75Y_100_100$_{de}$	1.0	0.75	0.0	1.0	1.0	0.5	76	1.0	0.684	0.0	73.5	18.3	77.7	79.8	76.7	1.0	0.682	0.0	73.3	18.4	77.1	79.3	76.5	0.5	72	1.0	0.684	0.0	73.5	18.3	77.7	79.8	76.7
4/720	Y00G_100_100$_{de}$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3	1.0	0.856	0.0	83.6	−3.4	84.2	84.3	92.3	0.2	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
5/558	Y25G_100_100$_{de}$	0.75	1.0	0.0	1.0	1.0	0.5	104	0.906	1.0	0.0	91.0	−29.9	88.9	93.8	108.6	0.906	1.0	0.0	90.9	−30.0	88.7	93.6	108.6	0.2	94	0.906	1.0	0.0	91.0	−29.9	88.9	93.8	108.6
6/396	Y50G_100_100$_{de}$	0.5	1.0	0.0	1.0	1.0	0.5	120	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2	0.53	0.999	0.0	85.9	−63.0	82.7	104.0	127.3	0.1	118	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2
7/234	Y75G_100_100$_{de}$	0.25	1.0	0.0	1.0	1.0	0.5	136	0.0	1.0	0.436	84.1	−76.0	51.4	91.8	145.9	0.0	1.0	0.439	84.1	−75.8	51.4	91.6	145.8	0.1	175	0.0	1.0	0.436	84.1	−76.0	51.4	91.8	145.9
8/72	G00B_100_100$_{de}$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2	0.0	1.0	0.707	85.1	−64.3	20.9	67.6	162.0	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
9/72	G00B_100_100$_{de}$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2	0.0	1.0	0.707	85.1	−64.3	20.9	67.6	162.0	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
10/76	G25B_100_100$_{de}$	0.0	1.0	0.5	1.0	1.0	0.5	180	0.0	1.0	0.951	86.5	−49.9	−8.4	50.6	189.6	0.0	1.0	0.955	86.5	−49.2	−8.4	49.9	189.6	0.6	207	0.0	1.0	0.951	86.5	−49.9	−8.4	50.6	189.6
11/80	G50B_100_100$_{de}$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9	0.0	0.89	1.0	79.0	−34.1	−25.3	42.5	216.6	0.4	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
12/44	G75B_100_100$_{de}$	0.0	0.5	1.0	1.0	1.0	0.5	240	0.0	0.763	1.0	70.0	−19.0	−39.6	43.9	244.3	0.0	0.763	1.0	70.0	−18.7	−39.3	43.5	244.5	0.4	223	0.0	0.763	1.0	70.0	−19.0	−39.6	43.9	244.3
13/8	B00M_100_100$_{de}$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7	0.0	0.609	1.0	59.2	2.0	−56.3	56.3	272.1	0.4	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
14/332	B25R_100_100$_{de}$	0.5	0.0	1.0	1.0	1.0	0.5	300	0.0	0.27	1.0	38.2	52.7	−90.7	104.9	300.1	0.0	0.272	1.0	38.2	52.8	−90.5	104.8	300.2	0.2	254	0.0	0.27	1.0	38.2	52.7	−90.7	104.9	300.1
15/656	B50R_100_100$_{de}$	1.0	0.0	1.0	1.0	1.0	0.5	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6	1.0	0.0	0.991	57.1	94.0	−57.4	110.2	328.5	0.0	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
16/652	B75R_100_100$_{de}$	1.0	0.0	0.5	1.0	1.0	0.5	360	1.0	0.0	0.617	52.9	83.6	−11.6	84.4	352.0	1.0	0.0	0.616	52.9	83.4	−11.5	84.2	352.1	0.1	352	1.0	0.0	0.617	52.9	83.6	−11.6	84.4	352.0
17/648	R00Y_100_100$_{de}$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4	1.0	0.0	0.264	50.9	78.1	37.1	86.5	25.4	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
18/688	R00Y_100_050$_{de}$	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.631	73.1	39.1	18.6	43.3	25.4	1.0	0.622	0.61	71.4	33.9	16.1	37.6	25.4	5.9	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
19/706	R50Y_100_050$_{de}$	1.0	0.75	0.5	1.0	0.5	0.75	60	1.0	0.743	0.5	79.2	21.3	35.4	41.3	58.8	1.0	0.745	0.545	77.9	16.5	33.4	37.3	63.6	5.3	59	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8
20/724	Y00G_100_050$_{de}$	1.0	1.0	0.5	1.0	0.5	0.75	90	1.0	0.928	0.5	89.5	−1.7	42.2	42.2	92.3	1.0	0.925	0.594	88.9	−4.7	41.4	41.7	96.5	3.2	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
21/562	Y50G_100_050$_{de}$	0.75	1.0	0.5	1.0	0.5	0.75	120	0.764	1.0	0.5	90.7	−31.5	41.4	52.0	127.2	0.803	1.0	0.607	90.2	−31.1	41.0	51.5	127.1	0.6	118	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2
22/400	G00B_100_050$_{de}$	0.5	1.0	0.5	1.0	0.5	0.75	150	0.5	1.0	0.853	90.2	−32.3	10.3	33.9	162.2	0.673	1.0	0.853	89.6	−31.6	9.5	33.0	163.2	1.2	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
23/404	G50B_100_050$_{de}$	0.5	1.0	1.0	1.0	0.5	0.75	210	0.5	0.945	1.0	87.2	−17.1	−12.8	21.4	216.9	0.676	0.947	1.0	87.1	−17.5	−12.7	21.7	216.0	0.4	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
24/368	B00R_100_050$_{de}$	0.5	0.5	1.0	1.0	0.5	0.75	270	0.5	0.804	1.0	77.3	0.8	−28.3	28.3	271.7	0.66	0.797	1.0	77.1	0.3	−27.9	27.9	270.8	0.6	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
25/692	B50R_100_050$_{de}$	1.0	0.5	1.0	1.0	0.5	0.75	330	1.0	0.5	0.995	76.3	47.0	−28.7	55.1	328.6	1.0	0.645	1.0	75.4	45.0	−29.9	54.1	326.3	2.5	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
26/688	R00Y_100_050$_{de}$	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.631	73.1	39.1	18.6	43.3	25.4	1.0	0.622	0.61	71.4	33.9	16.1	37.6	25.4	5.9	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
27/506	R00Y_075_050$_{de}$	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.381	49.3	39.1	18.6	43.3	25.4	0.762	0.363	0.365	49.2	39.0	18.4	43.1	25.2	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
28/524	R50Y_075_050$_{de}$	0.75	0.5	0.25	0.75	0.5	0.5	60	0.75	0.493	0.25	55.4	21.3	35.4	41.3	58.8	0.756	0.487	0.298	55.4	20.9	35.4	41.2	59.3	0.3	59	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8
29/542	Y00G_075_050$_{de}$	0.75	0.75	0.25	0.75	0.5	0.5	90	0.75	0.678	0.25	65.7	−1.7	42.2	42.2	92.3	0.745	0.655	0.341	65.6	−1.7	42.1	42.2	92.3	0.1	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
30/380	Y50G_075_050$_{de}$	0.5	0.75	0.25	0.75	0.5	0.5	120	0.514	0.75	0.25	66.8	−31.5	41.4	52.0	127.2	0.532	0.728	0.352	66.7	−31.5	41.3	52.0	127.3	0.1	118	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2
31/218	G00B_075_050$_{de}$	0.25	0.75	0.25	0.75	0.5	0.5	150	0.25	0.75	0.603	66.4	−32.3	10.3	33.9	162.2	0.404	0.73	0.587	66.3	−32.5	10.3	34.1	162.4	0.2	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
32/222	G50B_075_050$_{de}$	0.25	0.75	0.75	0.75	0.5	0.5	210	0.25	0.695	0.75	63.3	−17.1	−12.8	21.4	216.9	0.408	0.674	0.726	63.2	−17.3	−12.9	21.6	216.8	0.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
33/186	B00R_075_050$_{de}$	0.25	0.25	0.75	0.75	0.5	0.5	270	0.25	0.554	0.75	53.4	0.8	−28.3	28.3	271.7	0.394	0.538	0.728	53.4	0.4	−28.1	28.1	270.8	0.4	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
34/510	B50R_075_050$_{de}$	0.75	0.25	0.75	0.75	0.5	0.5	330	0.75	0.25	0.745	52.4	47.0	−28.7	55.1	328.6	0.743	0.385	0.724	52.4	46.7	−28.6	54.8	328.4	0.3	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
35/506	R00Y_075_050$_{de}$	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.381	49.3	39.1	18.6	43.3	25.4	0.762	0.363	0.365	49.2	39.0	18.4	43.1	25.2	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
36/324	R00Y_050_050$_{de}$	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.131	25.4	39.1	18.6	43.3	25.4	0.482	0.102	0.144	25.2	39.8	18.4	43.9	24.8	0.7	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
37/342	R50Y_050_050$_{de}$	0.5	0.25	0.0	0.5	0.5	0.25	60	0.5	0.243	0.0	31.5	21.3	35.4	41.3	58.8	0.48	0.247	0.061	31.5	21.4	36.4	42.2	59.4	0.9	59	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8
38/360	Y00G_050_050$_{de}$	0.5	0.5	0.0	0.5	0.5	0.25	90	0.5	0.428	0.0	41.8	−1.7	42.2	42.2	92.3	0.476	0.408	0.088	41.9	−1.9	43.0	43.1	92.5	0.8	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
39/198	Y50G_050_050$_{de}$	0.25	0.5	0.0	0.5	0.5	0.25	120	0.264	0.5	0.0	42.9	−31.5	41.4	52.0	127.2	0.273	0.472	0.095	43.0	−32.2	42.2	53.1	127.3	1.0	118	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2
40/36	G00B_050_050$_{de}$	0.0	0.5	0.0	0.5	0.5	0.25	150	0.0	0.5	0.353	42.5	−32.3	10.3	33.9	162.2	0.126	0.473	0.343	42.7	−32.9	10.5	34.5	162.2	0.6	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
41/40	G50B_050_050$_{de}$	0.0	0.5	0.5	0.5	0.5	0.25	210	0.0	0.445	0.5	39.5	−17.1	−12.8	21.4	216.9	0.126	0.424	0.472	39.6	−17.6	−12.9	21.9	216.1	0.5	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
42/4	B00R_050_050$_{de}$	0.0	0.0	0.5	0.5	0.5	0.25	270	0.0	0.304	0.5	29.6	0.8	−28.3	28.3	271.7	0.112	0.3	0.473	29.6	0.1	−28.5	28.5	270.3	0.7	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
43/328	B50R_050_050$_{de}$	0.5	0.0	0.5	0.5	0.5	0.25	330	0.5	0.0	0.495	28.5	47.0	−28.7	55.1	328.6	0.475	0.121	0.469	28.5	47.2	−29.1	55.4	328.3	0.4	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
44/324	R00Y_050_050$_{de}$	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.131	25.4	39.1	18.6	43.3	25.4	0.482	0.102	0.144	25.2	39.8	18.4	43.9	24.8	0.7	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
45/0	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	0.0	0.0	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	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
46/91	NW_013$_{de}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	11.9	0.0	0.0	0.0	0.0	0.129	0.132	0.132	11.9	−0.2	0.0	0.2	198.6	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
47/182	NW_025$_{de}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	23.8	0.0	0.0	0.0	0.0	0.232	0.236	0.237	23.7	−0.4	−0.2	0.4	207.2	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
48/273	NW_038$_{de}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	35.7	0.0	0.0	0.0	0.0	0.345	0.35	0.35	35.7	−0.4	−0.2	0.5	205.6	0.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
49/364	NW_050$_{de}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	47.7	0.0	0.0	0.0	0.0	0.466	0.47	0.471	47.7	−0.3	−0.1	0.4	205.6	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
50/455	NW_063$_{de}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	59.6	0.0	0.0	0.0	0.0	0.59	0.593	0.594	59.4	−0.2	−0.1	0.3	206.3	0.3	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
51/546	NW_075$_{de}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	71.5	0.0	0.0	0.0	0.0	0.721	0.724	0.724	71.3	−0.1	0.0	0.2	207.8	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
52/637	NW_088$_{de}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	83.4	0.0	0.0	0.0	0.0	0.858	0.86	0.86	83.3	0.0	0.0	0.1	212.6	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
53/728	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	325.2	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0

delta *E' = 0.8**

3−1131430−F0

QF520−7N, 15/29−F

graphique TUB-QF52; code de teinte: H*$_e$=Y50G$_e$
couleurs et différences, Δ*E'**

entrée : *rgb/cmyk* −> *rgb*$_{de}$
sortie : linéarisation 3D selon *rgb**$_{de}$

3−1131430−F0

voir fichiers similaires: http://130.149.60.45/~farbmetrik/QF52/QF52.HTM
informations techniques: http://www.ps.bam.de ou http://130.149.60.45/~farbmetrik

TUB enregistrement: 20130201-QF52/QF52L0FP.PDF /.PS
application pour la mesure de sortie sur ècran, aucune séparation

TUB matériel: code=rha4ta

QF52 11S

TUB enregistrement: 20130201-QF52/QF52L0FP.PDF /.PS
application pour la mesure de sortie sur ècran, aucune séparation

TUB matériel: code=rha4ta

http://130.149.60.45/~farbmetrik/QF52/QF52L0FP.PDF /.PS; linéarisation 3D

F: linéarisation 3D QF52/QF52LF30FP.DAT dans fichier (F), páge 16/29

$n=j$	HIC^{*}_{Fde}	$rgb_{\_Fde}$			$ict_{\_Fde}$			$h_{si\_F,de}$	rgb^{*}_{Fde}			$LabCh^{*}_{Fde}$					rgb'^{*}_{Fde}			$LabCh'^{*}_{Fde}$					DE'^{*}_{Fde}	$h_{siM,de}$	rgb^{*}_{Mde}			$LabCh^{*}_{Mde}$				
0	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	0.0	0.0	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	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1	B00R_012_012$_{de}$	0.0	0.0	0.125	0.125	0.125	0.062	270	0.0	0.076	0.125	7.4	0.2	−7.0	7.0	271.7	0.055	0.084	0.134	6.1	0.8	−9.2	9.2	274.9	2.5	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
2	B00R_025_025$_{de}$	0.0	0.0	0.25	0.25	0.25	0.125	270	0.0	0.152	0.25	14.8	0.4	−14.1	14.1	271.7	0.079	0.16	0.238	14.5	−0.9	−14.6	14.6	266.1	1.5	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
3	B00R_037_037$_{de}$	0.0	0.0	0.375	0.375	0.375	0.187	270	0.0	0.228	0.375	22.2	0.6	−21.2	21.2	271.7	0.102	0.227	0.352	22.0	0.0	−21.6	21.6	269.8	0.8	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
4	B00R_050_050$_{de}$	0.0	0.0	0.5	0.5	0.5	0.25	270	0.0	0.304	0.5	29.6	0.8	−28.3	28.3	271.7	0.112	0.3	0.473	29.6	0.1	−28.5	28.5	270.3	0.7	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
5	B00R_062_062$_{de}$	0.0	0.0	0.625	0.625	0.625	0.312	270	0.0	0.38	0.625	37.0	1.0	−35.3	35.3	271.7	0.123	0.374	0.596	37.0	0.7	−35.2	35.2	271.1	0.4	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
6	B00R_075_075$_{de}$	0.0	0.0	0.75	0.75	0.75	0.375	270	0.0	0.457	0.75	44.4	1.2	−42.4	42.4	271.7	0.08	0.451	0.726	44.4	0.3	−42.3	42.3	270.5	0.9	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
7	B00R_087_087$_{de}$	0.0	0.0	0.875	0.875	0.875	0.437	270	0.0	0.533	0.875	51.8	1.5	−49.5	49.5	271.7	0.033	0.53	0.862	51.8	0.9	−49.4	49.4	271.1	0.5	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
8	B00R_100_100$_{de}$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7	0.0	0.609	1.0	59.2	2.0	−56.3	56.3	272.1	0.4	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
9	G00B_012_012$_{de}$	0.0	0.125	0.0	0.125	0.125	0.062	150	0.0	0.125	0.088	10.6	−8.0	2.5	8.4	162.2	0.058	0.134	0.099	10.3	−10.2	3.4	10.7	161.2	2.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
10	G50B_012_012$_{de}$	0.0	0.125	0.125	0.125	0.125	0.062	210	0.0	0.111	0.125	9.8	−4.2	−3.2	5.3	216.9	0.061	0.121	0.133	9.5	−5.3	−3.8	6.5	216.0	1.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
11	G75B_025_025$_{de}$	0.0	0.125	0.25	0.25	0.25	0.125	240	0.0	0.19	0.25	17.5	−4.7	−9.9	10.9	244.3	0.078	0.191	0.237	17.3	−6.3	−10.2	12.0	238.1	1.6	223	0.0	0.763	1.0	70.0	−19.0	−39.6	43.9	244.3
12	G84B_037_037$_{de}$	0.0	0.125	0.375	0.375	0.375	0.187	251	0.0	0.266	0.375	24.8	−4.7	−17.1	17.8	254.3	0.102	0.261	0.353	24.8	−5.4	−17.4	18.2	252.5	0.7	226	0.0	0.71	1.0	66.3	−12.7	−45.7	47.4	254.3
13	G88B_050_050$_{de}$	0.0	0.125	0.5	0.5	0.5	0.25	256	0.0	0.342	0.5	32.2	−4.7	−24.3	24.7	258.9	0.099	0.334	0.474	32.2	−5.5	−24.6	25.2	257.3	0.8	227	0.0	0.685	1.0	64.5	−9.4	−48.6	49.5	258.9
14	G90B_062_062$_{de}$	0.0	0.125	0.625	0.625	0.625	0.312	259	0.0	0.418	0.625	39.6	−4.5	−31.4	31.7	261.6	0.096	0.41	0.598	39.7	−5.3	−31.2	31.7	260.2	0.8	228	0.0	0.67	1.0	63.4	−7.3	−50.3	50.8	261.6
15	G92B_075_075$_{de}$	0.0	0.125	0.75	0.75	0.75	0.375	261	0.0	0.494	0.75	47.0	−4.3	−38.5	38.7	263.5	0.065	0.488	0.728	47.1	−5.1	−38.3	38.6	262.4	0.7	229	0.0	0.659	1.0	62.7	−5.8	−51.3	51.7	263.5
16	G93B_087_087$_{de}$	0.0	0.125	0.875	0.875	0.875	0.437	262	0.0	0.573	0.875	54.6	−4.4	−45.3	45.6	264.4	0.0	0.568	0.863	54.5	−4.6	−45.3	45.5	264.1	0.2	229	0.0	0.654	1.0	62.4	−5.0	−51.8	52.1	264.4
17	G94B_100_100$_{de}$	0.0	0.125	1.0	1.0	1.0	0.5	263	0.0	0.649	1.0	62.0	−4.2	−52.3	52.5	265.3	0.0	0.65	1.0	62.0	−3.7	−51.8	51.9	265.9	0.7	230	0.0	0.649	1.0	62.0	−4.2	−52.3	52.5	265.3
18	G00B_025_025$_{de}$	0.0	0.25	0.0	0.25	0.25	0.125	150	0.0	0.25	0.176	21.2	−16.1	5.1	16.9	162.2	0.083	0.239	0.18	21.1	−17.7	5.0	18.4	164.0	1.5	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
19	G25B_025_025$_{de}$	0.0	0.25	0.125	0.25	0.25	0.125	180	0.0	0.25	0.237	21.6	−12.4	−2.1	12.6	189.6	0.089	0.239	0.228	21.5	−13.6	−2.3	13.8	189.6	1.2	207	0.0	1.0	0.951	86.5	−49.9	−8.4	50.6	189.6
20	G50B_025_025$_{de}$	0.0	0.25	0.25	0.25	0.25	0.125	210	0.0	0.222	0.25	19.7	−8.5	−6.4	10.7	216.9	0.084	0.217	0.237	19.6	−10.0	−6.7	12.0	213.8	1.4	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
21	G65B_037_037$_{de}$	0.0	0.25	0.375	0.375	0.375	0.187	229	0.0	0.303	0.375	27.4	−9.4	−13.1	16.2	234.3	0.1	0.293	0.353	27.5	−10.4	−13.3	16.9	231.9	0.9	220	0.0	0.808	1.0	73.3	−25.2	−35.1	43.2	234.3
22	G75B_050_050$_{de}$	0.0	0.25	0.5	0.5	0.5	0.25	240	0.0	0.381	0.5	35.0	−9.5	−19.8	21.9	244.3	0.125	0.368	0.473	35.1	−9.7	−19.9	22.2	243.9	0.3	223	0.0	0.763	1.0	70.0	−19.0	−39.6	43.9	244.3
23	G80B_062_062$_{de}$	0.0	0.25	0.625	0.625	0.625	0.312	247	0.0	0.456	0.625	42.3	−9.4	−27.0	28.6	250.7	0.101	0.444	0.596	42.3	−10.4	−26.8	28.8	248.7	1.0	225	0.0	0.73	1.0	67.7	−15.1	−43.2	45.7	250.7
24	G84B_075_075$_{de}$	0.0	0.25	0.75	0.75	0.75	0.375	251	0.0	0.532	0.75	49.7	−9.5	−34.3	35.6	254.3	0.059	0.523	0.728	49.7	−10.2	−34.1	35.6	253.2	0.7	226	0.0	0.71	1.0	66.3	−12.7	−45.7	47.4	254.3
25	G86B_087_087$_{de}$	0.0	0.25	0.875	0.875	0.875	0.437	254	0.0	0.608	0.875	57.1	−9.4	−41.5	42.6	257.1	0.0	0.602	0.864	57.0	−9.3	−41.5	42.6	257.3	0.1	227	0.0	0.695	1.0	65.2	−10.8	−47.5	48.7	257.1
26	G88B_100_100$_{de}$	0.0	0.25	1.0	1.0	1.0	0.5	256	0.0	0.685	1.0	64.5	−9.4	−48.6	49.5	258.9	0.0	0.686	1.0	64.6	−8.7	−47.7	48.5	259.6	1.1	227	0.0	0.685	1.0	64.5	−9.4	−48.6	49.5	258.9
27	G00B_037_037$_{de}$	0.0	0.375	0.0	0.375	0.375	0.187	150	0.0	0.375	0.264	31.9	−24.2	7.7	25.4	162.2	0.115	0.353	0.259	32.0	−24.9	7.8	26.1	162.5	0.6	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
28	G15B_037_037$_{de}$	0.0	0.375	0.125	0.375	0.375	0.187	169	0.0	0.375	0.33	32.2	−20.3	0.1	20.3	179.5	0.114	0.353	0.313	32.3	−21.2	0.1	21.2	179.6	0.8	203	0.0	1.0	0.88	86.0	−54.3	0.4	54.3	179.5
29	G34B_037_037$_{de}$	0.0	0.375	0.25	0.375	0.375	0.187	191	0.0	0.368	0.375	32.1	−16.7	−5.9	17.7	199.6	0.117	0.347	0.351	32.1	−17.4	−6.0	18.4	199.0	0.7	210	0.0	0.982	1.0	85.6	−44.5	−15.8	47.3	199.6
30	G50B_037_037$_{de}$	0.0	0.375	0.375	0.375	0.375	0.187	210	0.0	0.333	0.375	29.6	−12.8	−9.6	16.0	216.9	0.108	0.318	0.351	29.6	−13.8	−9.7	16.9	215.2	1.0	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
31	G61B_050_050$_{de}$	0.0	0.375	0.5	0.5	0.5	0.25	224	0.0	0.414	0.5	37.3	−13.8	−16.3	21.4	229.7	0.113	0.398	0.474	37.4	−14.3	−16.5	21.8	228.8	0.5	219	0.0	0.829	1.0	74.7	−27.7	−32.7	42.8	229.7
32	G69B_062_062$_{de}$	0.0	0.375	0.625	0.625	0.625	0.312	233	0.0	0.495	0.625	45.0	−14.4	−23.0	27.1	237.9	0.101	0.48	0.597	45.1	−15.2	−22.8	27.4	236.3	0.8	221	0.0	0.792	1.0	72.1	−23.0	−36.8	43.4	237.9
33	G75B_075_075$_{de}$	0.0	0.375	0.75	0.75	0.75	0.375	240	0.0	0.572	0.75	52.5	−14.2	−29.7	32.9	244.3	0.087	0.559	0.726	52.4	−14.9	−29.6	33.2	243.2	0.6	223	0.0	0.763	1.0	70.0	−19.0	−39.6	43.9	244.3
34	G79B_087_087$_{de}$	0.0	0.375	0.875	0.875	0.875	0.437	245	0.0	0.648	0.875	59.9	−14.1	−36.7	39.3	248.9	0.046	0.639	0.861	59.7	−14.2	−36.8	39.5	248.8	0.2	224	0.0	0.74	1.0	68.4	−16.1	−41.9	44.9	248.9
35	G81B_100_100$_{de}$	0.0	0.375	1.0	1.0	1.0	0.5	248	0.0	0.725	1.0	67.4	−14.5	−43.8	46.2	251.6	0.0	0.726	1.0	67.4	−13.9	−43.3	45.5	252.1	0.7	225	0.0	0.725	1.0	67.4	−14.5	−43.8	46.2	251.6
36	G00B_050_050$_{de}$	0.0	0.5	0.0	0.5	0.5	0.25	150	0.0	0.5	0.353	42.5	−32.3	10.3	33.9	162.2	0.126	0.473	0.343	42.7	−32.9	10.5	34.5	162.2	0.6	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
37	G11B_050_050$_{de}$	0.0	0.5	0.125	0.5	0.5	0.25	164	0.0	0.5	0.419	42.9	−28.5	2.4	28.6	175.0	0.127	0.473	0.401	43.0	−29.0	2.5	29.1	174.9	0.5	201	0.0	1.0	0.838	85.8	−57.1	4.9	57.3	175.0
38	G25B_050_050$_{de}$	0.0	0.5	0.25	0.5	0.5	0.25	180	0.0	0.5	0.475	43.2	−24.9	−4.2	25.3	189.6	0.127	0.473	0.451	43.4	−25.5	−4.2	25.8	189.4	0.5	207	0.0	1.0	0.951	86.5	−49.9	−8.4	50.6	189.6
39	G38B_050_050$_{de}$	0.0	0.5	0.375	0.5	0.5	0.25	196	0.0	0.479	0.5	41.9	−21.0	−9.4	23.0	204.2	0.123	0.454	0.473	42.0	−21.6	−9.4	23.6	203.6	0.5	212	0.0	0.958	1.0	83.9	−42.0	−18.9	46.1	204.2
40	G50B_050_050$_{de}$	0.0	0.5	0.5	0.5	0.5	0.25	210	0.0	0.445	0.5	39.5	−17.1	−12.8	21.4	216.9	0.126	0.424	0.472	39.6	−17.6	−12.9	21.9	216.1	0.5	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
41	G59B_062_062$_{de}$	0.0	0.5	0.625	0.625	0.625	0.312	221	0.0	0.526	0.625	47.2	−18.1	−19.5	26.6	227.0	0.114	0.508	0.597	47.3	−18.7	−19.2	26.8	225.8	0.5	218	0.0	0.842	1.0	75.6	−29.1	−31.2	42.6	227.0
42	G65B_075_075$_{de}$	0.0	0.5	0.75	0.75	0.75	0.375	229	0.0	0.606	0.75	54.9	−18.9	−26.3	32.4	234.3	0.047	0.591	0.729	54.8	−19.4	−26.3	32.7	233.5	0.5	220	0.0	0.808	1.0	73.3	−25.2	−35.1	43.2	234.3
43	G70B_087_087$_{de}$	0.0	0.5	0.875	0.875	0.875	0.437	235	0.0	0.686	0.875	62.5	−19.2	−32.9	38.1	239.7	0.0	0.677	0.864	62.4	−19.2	−33.0	38.2	239.7	0.1	221	0.0	0.784	1.0	71.5	−21.9	−37.7	43.6	239.7
44	G75B_100_100$_{de}$	0.0	0.5	1.0	1.0	1.0	0.5	240	0.0	0.763	1.0	70.0	−19.0	−39.6	43.9	244.3	0.0	0.763	1.0	70.0	−18.7	−39.3	43.5	244.5	0.4	223	0.0	0.763	1.0	70.0	−19.0	−39.6	43.9	244.3
45	G00B_062_062$_{de}$	0.0	0.625	0.0	0.625	0.625	0.312	150	0.0	0.625	0.441	53.2	−40.4	12.9	42.4	162.2	0.125	0.596	0.43	53.1	−40.6	12.7	42.5	162.5	0.2	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
46	G09B_062_062$_{de}$	0.0	0.625	0.125	0.625	0.625	0.312	161	0.0	0.625	0.507	53.5	−36.7	4.9	37.0	172.2	0.127	0.596	0.492	53.5	−36.7	4.7	37.0	172.6	0.2	199	0.0	1.0	0.812	85.7	−58.7	7.9	59.3	172.2
47	G19B_062_062$_{de}$	0.0	0.625	0.25	0.625	0.625	0.312	173	0.0	0.625	0.566	53.9	−33.0	−1.8	33.1	183.2	0.126	0.596	0.543	53.8	−33.2	−2.0	33.3	183.4	0.2	205	0.0	1.0	0.906	86.2	−52.8	−2.9	52.9	183.2
48	G30B_062_062$_{de}$	0.0	0.625	0.375	0.625	0.625	0.312	187	0.0	0.625	0.623	54.2	−29.0	−8.3	30.1	195.9	0.138	0.595	0.592	54.1	−29.3	−8.2	30.5	195.7	0.3	209	0.0	1.0	0.997	86.8	−46.4	−13.2	48.2	195.9
49	G40B_062_062$_{de}$	0.0	0.625	0.5	0.625	0.625	0.312	199	0.0	0.589	0.625	51.7	−25.3	−12.8	28.4	206.9	0.109	0.565	0.598	51.7	−25.9	−12.7	28.9	206.1	0.6	212	0.0	0.943	1.0	82.8	−40.5	−20.5	45.4	206.9
50	G50B_062_062$_{de}$	0.0	0.625	0.625	0.625	0.625	0.312	210	0.0	0.556	0.625	49.4	−21.4	−16.1	26.8	216.9	0.126	0.534	0.596	49.4	−21.9	−15.9	27.1	215.9	0.5	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
51	G57B_075_075$_{de}$	0.0	0.625	0.75	0.75	0.75	0.375	219	0.0	0.637	0.75	57.1	−22.4	−22.6	31.9	225.1	0.089	0.619	0.727	57.0	−22.6	−22.7	32.1	225.1	0.2	217	0.0	0.85	1.0	76.2	−29.9	−30.1	42.5	225.1
52	G63B_087_087$_{de}$	0.0	0.625	0.875	0.875	0.875	0.437	226	0.0	0.718	0.875	64.9	−23.3	−29.4	37.6	231.5	0.0	0.709	0.865	64.8	−23.2	−29.4	37.5	231.7	0.1	219	0.0	0.821	1.0	74.1	−26.7	−33.7	43.0	231.5
53	G68B_100_100$_{de}$	0.0	0.625	1.0	1.0	1.0	0.5	232	0.0	0.796	1.0	72.4	−23.6	−36.4	43.4	237.0	0.0	0.797	1.0	72.5	−23.0	−35.4	42.3	236.9	1.0	221	0.0	0.796	1.0	72.4	−23.6	−36.4	43.4	237.0
54	G00B_075_075$_{de}$	0.0	0.75	0.0	0.75	0.75	0.375	150	0.0	0.75	0.529	63.8	−48.5	15.5	50.9	162.2	0.107	0.726	0.521	63.7	−48.6	15.2	50.9	162.5	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
55	G07B_075_075$_{de}$	0.0	0.75	0.125	0.75	0.75	0.375	159	0.0	0.75	0.596	64.2	−44.8	7.5	45.4	170.4	0.095	0.726	0.582	64.0	−45.1	7.4	45.8	170.5	0.3	198	0.0	1.0	0.795	85.6	−59.7	10.0	60.6	170.4
56	G15B_075_075$_{de}$	0.0	0.75	0.25	0.75	0.75	0.375	169	0.0	0.75	0.66	64.5	−40.7	0.3	40.7	179.5	0.125	0.725	0.639	64.4	−40.8	0.3	40.9	179.4	0.2	203	0.0	1.0	0.88	86.0	−54.3	0.4	54.3	179.5
57	G25B_075_075$_{de}$	0.0	0.75	0.375	0.75	0.75	0.375	180	0.0	0.75	0.713	64.9	−37.4	−6.3	37.9	189.6	0.088	0.726	0.692	64.7	−37.8	−6.3	38.4	189.5	0.4	207	0.0	1.0	0.951	86.5	−49.9	−8.4	50.6	189.6
58	G34B_075_075$_{de}$	0.0	0.75	0.5	0.75	0.75	0.375	191	0.0	0.736	0.75	64.2	−33.4	−11.9	35.4	199.6	0.105	0.713	0.726	64.1	−33.7	−11.9	35.7	199.4	0.3	210	0.0	0.982	1.0	85.6	−44.5	−15.8	47.3	199.6
59	G42B_075_075$_{de}$	0.0	0.75	0.625	0.75	0.75	0.375	201	0.0	0.7	0.75	61.6	−29.5	−16.2	33.7	208.7	0.074	0.679	0.729	61.5	−29.9	−16.2	34.1	208.4	0.4	213	0.0	0.933	1.0	82.1	−39.4	−21.6	44.9	208.7
60	G50B_075_075$_{de}$	0.0	0.75	0.75	0.75	0.75	0.375	210	0.0	0.667	0.75	59.3	−25.6	−19.3	32.1	216.9	0.104	0.647	0.726	59.1	−25.9	−19.4	32.4	216.8	0.3	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
61	G56B_087_087$_{de}$	0.0	0.75	0.875	0.875	0.875	0.437	218	0.0	0.747	0.875	66.9	−26.6	−25.9	37.1	224.2	0.027	0.737	0.863	66.8	−26.7	−26.0	37.3	224.2	0.1	217	0.0	0.854	1.0	76.5	−30.4	−29.6	42.4	224.2
62	G61B_100_100$_{de}$	0.0	0.75	1.0	1.0	1.0	0.5	224	0.0	0.829	1.0	74.7	−27.7	−32.7	42.8	229.7	0.0	0.831	1.0	74.8	−27.1	−31.8	41.8	229.5	1.0	219	0.0	0.829	1.0	74.7	−27.7	−32.7	42.8	229.7
63	G00B_087_087$_{de}$	0.0	0.875	0.0	0.875	0.875	0.437	150	0.0	0.875	0.617	74.5	−56.5	18.1	59.4	162.2	0.052	0.861	0.611	74.4	−56.8	18.2	59.7	162.2	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
64	G06B_087_087$_{de}$	0.0	0.875	0.125	0.875	0.875	0.437	158	0.0	0.875	0.688	74.8	−52.7	9.7	53.6	169.5	0.039	0.861	0.68	74.7	−53.0	9.8	53.9	169.4	0.3	198	0.0	1.0	0.786	85.5	−60.2	11.1	61.2	169.5
65	G13B_087_087$_{de}$	0.0	0.875	0.25	0.875	0.875	0.437	166	0.0	0.875	0.748	75.1	−48.9	2.7	49.0	176.8	0.059	0.861	0.738	75.1	−49.2	2.7	49.3	176.7	0.2	202	0.0	1.0	0.855	85.9	−55.9	3.1	56.0	176.8
66	G20B_087_087$_{de}$	0.0	0.875	0.375	0.875	0.875	0.437	175	0.0	0.875	0.804	75.5	−45.5	−4.0	45.7	185.0	0.031	0.861	0.794	75.4	−45.7	−4.0	45.9	185.0	0.1	205	0.0	1.0	0.919	86.3	−52.1	−4.5	52.3	185.0
67	G29B_087_087$_{de}$	0.0	0.875	0.5	0.875	0.875	0.437	185	0.0	0.875	0.861	75.9	−41.5	−10.4	42.8	194.1	0.057	0.861	0.848	75.8	−41.7	−10.5	43.0	194.1	0.2	209	0.0	1.0	0.984	86.7	−47.4	−11.9	48.9	194.1
68	G36B_087_087$_{de}$	0.0	0.875	0.625	0.875	0.875	0.437	194	0.0	0.847	0.875	74.0	−37.7	−15.5	40.7	202.3	0.01	0.834	0.864	73.9	−37.9	−15.4	40.9	202.2	0.2	211	0.0	0.968	1.0	84.6	−43.0	−17.7	46.6	202.3
69	G43B_087_087$_{de}$	0.0	0.875	0.75	0.875	0.875	0.437	202	0.0	0.812	0.875	71.6	−34.0	−19.3	39.1	209.6	0.003	0.801	0.866	71.5	−34.0	−19.3	39.1	209.6	0.0	213	0.0	0.929	1.0	81.8	−38.8	−22.1	44.7	209.6
70	G50B_087_087$_{de}$	0.0	0.875	0.875	0.875	0.875	0.437	210	0.0	0.778	0.875	69.1	−29.9	−22.5	37.5	216.9	0.047	0.767	0.863	69.0	−30.1	−22.6	37.7	216.8	0.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
71	G55B_100_100$_{de}$	0.0	0.875	1.0	1.0	1.0	0.5	217	0.0	0.858	1.0	76.8	−30.8	−29.1	42.4	223.3	0.0	0.859	1.0	76.8	−30.5	−28.7	41.9	223.2	0.5	217	0.0	0.858	1.0	76.8	−30.8	−29.1	42.4	223.3
72	G00B_100_100$_{de}$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2	0.0	1.0	0.707	85.1	−64.3	20.9	67.6	162.0	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
73	G05B_100_100$_{de}$	0.0	1.0	0.125	1.0	1.0	0.5	157	0.0	1.0	0.778	85.5	−60.7	12.2	61.9	168.6	0.0	1.0	0.779	85.5	−60.3	12.3	61.5	168.4	0.3	197	0.0	1.0	0.778	85.5	−60.7	12.2	61.9	168.6
74	G11B_100_100$_{de}$	0.0	1.0	0.25	1.0	1.0	0.5	164	0.0	1.0	0.838	85.8	−57.1	4.9	57.3	175.0	0.0	1.0	0.841	85.8	−56.6	5.0	56.9	174.8	0.4	201	0.0	1.0	0.838	85.8	−57.1	4.9	57.3	175.0
75	G18B_100_100$_{de}$	0.0	1.0	0.375	1.0	1.0	0.5	172	0.0	1.0	0.899	86.2	−53.2	−2.1	53.3	182.3	0.0	1.0	0.901	86.2	−52.8	−2.0	52.8	182.2	0.4	204	0.0	1.0	0.899	86.2	−53.2	−2.1	53.3	182.3
76	G25B_100_100$_{de}$	0.0	1.0	0.5	1.0	1.0	0.5	180	0.0	1.0	0.951	86.5	−49.9	−8.4	50.6	189.6	0.0	1.0	0.955	86.5	−49.2	−8.4	49.9	189.6	0.6	207	0.0	1.0	0.951	86.5	−49.9	−8.4	50.6	189.6
77	G31B_100_100$_{de}$	0.0	1.0	0.625	1.0	1.0	0.5	188	0.0	0.997	1.0	86.6	−45.9	−13.9	47.9	196.9	0.0	0.997	1.0	86.6	−45.8	−13.8	47.9	196.8	0.1	210	0.0	0.997	1.0	86.6	−45.9	−13.9	47.9	196.9
78	G38B_100_100$_{de}$	0.0	1.0	0.75	1.0	1.0	0.5	196	0.0	0.958	1.0	83.9	−42.0	−18.9	46.1	204.2	0.0	0.959	1.0	83.9	−41.8	−17.9	45.4	203.1	1.0	212	0.0	0.958	1.0	83.9	−42.0	−18.9	46.1	204.2
79	G44B_100_100$_{de}$	0.0	1.0	0.875	1.0	1.0	0.5	203	0.0	0.924	1.0	81.4	−38.3	−22.6	44.5	210.5	0.0	0.925	1.0	81.5	−38.0	−21.5	43.7	209.5	1.1	213	0.0	0.924	1.0	81.4	−38.3	−22.6	44.5	210.5
80	G50B_100_100$_{de}$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9	0.0	0.89	1.0	79.0	−34.1	−25.3	42.5	216.6	0.4	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9

delta E'^{*} = 0.6

3−1131530−F0

QF520−7N, 16/29−F

graphique TUB-QF52; code de teinte: $H^{*}_{e}=Y50G_{e}$
couleurs et différences, $\Delta E'^{*}$

entrée : *rgb/cmyk* −> rgb_{de}
sortie : linéarisation 3D selon rgb^{*}_{de}

voir fichiers similaires: http://130.149.60.45/~farbmetrik/QF52/QF52.HTM
informations techniques: http://www.ps.bam.de ou http://130.149.60.45/~farbmetrik

3−1131530−F0

V L O Y M C

QF5211S

http://130.149.60.45/~farbmetrik/QF52/QF52L0FP.PDF /.PS; linéarisation 3D
F: linéarisation 3D QF52/QF52LF30FP.DAT dans fichier (F), páge 17/29

n	HIC^*_{Fde}	$rgb_{\_Fde}$			$ict_{\_Fde}$			$h_{si\_F,de}$	rgb^*_{Fde}			$LabCh^*_{Fde}$					rgb'^*_{Fde}			$LabCh'^*_{Fde}$					DE'^*_{Fde}	$h_{siM,de}$	rgb^*_{Mde}			$LabCh^*_{Mde}$				
81	R00Y_012_012$_{de}$	0.125	0.0	0.0	0.125	0.125	0.062	390	0.125	0.0	0.032	6.3	9.7	4.6	10.8	25.4	0.146	0.043	0.037	5.3	11.5	4.6	12.4	21.9	2.0	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
82	B50R_012_012$_{de}$	0.125	0.0	0.125	0.125	0.125	0.062	330	0.125	0.0	0.123	7.1	11.7	−7.1	13.7	328.6	0.137	0.052	0.133	6.1	14.1	−8.8	16.6	328.0	3.0	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
83	B25R_025_025$_{de}$	0.125	0.0	0.25	0.25	0.25	0.125	300	0.0	0.067	0.25	9.5	13.1	−22.6	26.2	300.1	0.093	0.083	0.24	8.6	14.1	−24.3	28.1	300.2	2.1	254	0.0	0.27	1.0	38.2	52.7	−90.7	104.9	300.1
84	B15R_037_037$_{de}$	0.125	0.0	0.375	0.375	0.375	0.187	289	0.0	0.165	0.375	17.9	10.1	−28.1	29.9	289.7	0.101	0.173	0.354	17.7	9.4	−28.8	30.3	288.2	0.9	243	0.0	0.44	1.0	47.9	26.9	−75.0	79.7	289.7
85	B11R_050_050$_{de}$	0.125	0.0	0.5	0.5	0.5	0.25	284	0.0	0.25	0.5	25.9	9.1	−34.1	35.3	285.0	0.129	0.25	0.473	25.9	9.1	−34.4	35.6	284.8	0.2	239	0.0	0.5	1.0	51.8	18.3	−68.3	70.7	285.0
86	B09R_062_062$_{de}$	0.125	0.0	0.625	0.625	0.625	0.312	281	0.0	0.327	0.625	33.3	8.9	−41.3	42.3	282.1	0.101	0.324	0.597	33.2	8.1	−41.4	42.2	281.0	0.8	238	0.0	0.523	1.0	53.3	14.2	−66.1	67.7	282.1
87	B07R_075_075$_{de}$	0.125	0.0	0.75	0.75	0.75	0.375	279	0.0	0.404	0.75	40.8	8.7	−48.4	49.2	280.2	0.071	0.401	0.728	40.8	8.0	−48.3	49.0	279.4	0.7	237	0.0	0.539	1.0	54.4	11.7	−64.6	65.6	280.2
88	B06R_087_087$_{de}$	0.125	0.0	0.875	0.875	0.875	0.437	278	0.0	0.478	0.875	48.1	9.1	−55.8	56.5	279.3	0.0	0.478	0.864	48.1	8.7	−55.7	56.4	278.9	0.3	236	0.0	0.546	1.0	54.9	10.4	−63.8	64.6	279.3
89	B05R_100_100$_{de}$	0.125	0.0	1.0	1.0	1.0	0.5	277	0.0	0.554	1.0	55.5	9.2	−63.0	63.6	278.3	0.0	0.557	1.0	55.6	9.6	−62.0	62.7	278.8	1.0	236	0.0	0.554	1.0	55.5	9.2	−63.0	63.6	278.3
90	Y00G_012_012$_{de}$	0.125	0.125	0.0	0.125	0.125	0.062	90	0.125	0.107	0.0	10.4	−0.4	10.5	10.5	92.3	0.139	0.115	0.038	10.1	−0.3	11.5	11.5	91.7	1.0	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
91	NW_012$_{de}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	11.9	0.0	0.0	0.0	0.0	0.129	0.132	0.132	11.9	−0.2	0.0	0.2	198.6	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
92	B00R_025_012$_{de}$	0.125	0.125	0.25	0.25	0.125	0.187	270	0.124	0.201	0.25	19.3	0.2	−7.0	7.0	271.7	0.162	0.197	0.238	19.0	−0.7	−7.5	7.5	264.4	1.0	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
93	B00R_037_025$_{de}$	0.125	0.125	0.375	0.375	0.25	0.25	270	0.124	0.277	0.375	26.7	0.4	−14.1	14.1	271.7	0.199	0.267	0.353	26.6	−0.3	−14.5	14.5	268.5	0.9	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
94	B00R_050_037$_{de}$	0.125	0.125	0.5	0.5	0.375	0.312	270	0.124	0.353	0.5	34.1	0.6	−21.2	21.2	271.7	0.232	0.34	0.473	34.1	0.0	−21.5	21.5	270.2	0.6	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
95	B00R_062_050$_{de}$	0.125	0.125	0.625	0.625	0.5	0.375	270	0.125	0.429	0.625	41.5	0.8	−28.3	28.3	271.7	0.261	0.416	0.597	41.5	0.2	−28.1	28.1	270.4	0.6	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
96	B00R_075_062$_{de}$	0.125	0.125	0.75	0.75	0.625	0.437	270	0.125	0.505	0.75	48.9	1.0	−35.3	35.3	271.7	0.282	0.494	0.727	48.9	0.4	−35.1	35.1	270.7	0.6	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
97	B00R_087_075$_{de}$	0.125	0.125	0.875	0.875	0.75	0.5	270	0.125	0.582	0.875	56.3	1.2	−42.4	42.4	271.7	0.294	0.573	0.863	56.2	0.9	−42.5	42.5	271.2	0.4	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
98	B00R_100_087$_{de}$	0.125	0.125	1.0	1.0	0.875	0.562	270	0.125	0.658	1.0	63.7	1.5	−49.5	49.5	271.7	0.304	0.654	1.0	63.5	1.1	−49.3	49.4	271.3	0.4	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
99	Y50G_025_025$_{de}$	0.125	0.25	0.0	0.25	0.25	0.125	120	0.132	0.25	0.0	21.4	−15.7	20.7	26.0	127.2	0.15	0.238	0.071	21.4	−16.8	21.9	27.6	127.4	1.6	118	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2
100	G00B_025_012$_{de}$	0.125	0.25	0.125	0.25	0.125	0.187	150	0.124	0.25	0.213	22.5	−8.0	2.5	8.4	162.2	0.165	0.239	0.208	22.4	−9.1	2.3	9.4	165.6	1.0	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
101	G50B_025_012$_{de}$	0.125	0.25	0.25	0.25	0.125	0.187	210	0.124	0.236	0.25	21.8	−4.2	−3.2	5.3	216.9	0.167	0.226	0.237	21.6	−5.1	−3.5	6.2	214.5	0.9	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
102	G75B_037_025$_{de}$	0.125	0.25	0.375	0.375	0.25	0.25	240	0.124	0.315	0.375	29.4	−4.7	−9.9	10.9	244.3	0.199	0.301	0.352	29.3	−5.8	−10.2	11.7	240.2	1.1	223	0.0	0.763	1.0	70.0	−19.0	−39.6	43.9	244.3
103	G84B_050_037$_{de}$	0.125	0.25	0.5	0.5	0.375	0.312	251	0.124	0.391	0.5	36.8	−4.7	−17.1	17.8	254.3	0.235	0.375	0.474	36.8	−5.1	−17.3	18.1	253.5	0.4	226	0.0	0.71	1.0	66.3	−12.7	−45.7	47.4	254.3
104	G88B_062_050$_{de}$	0.125	0.25	0.625	0.625	0.5	0.375	256	0.125	0.467	0.625	44.2	−4.7	−24.3	24.7	258.9	0.256	0.453	0.598	44.2	−5.4	−24.1	24.7	257.3	0.6	227	0.0	0.685	1.0	64.5	−9.4	−48.6	49.5	258.9
105	G90B_075_062$_{de}$	0.125	0.25	0.75	0.75	0.625	0.437	259	0.125	0.543	0.75	51.6	−4.5	−31.4	31.7	261.6	0.273	0.531	0.729	51.6	−5.1	−31.3	31.7	260.6	0.6	228	0.0	0.67	1.0	63.4	−7.3	−50.3	50.8	261.6
106	G92B_087_075$_{de}$	0.125	0.25	0.875	0.875	0.75	0.5	261	0.125	0.619	0.875	59.0	−4.3	−38.5	38.7	263.5	0.287	0.61	0.864	58.8	−4.5	−38.7	38.9	263.3	0.2	229	0.0	0.659	1.0	62.7	−5.8	−51.3	51.7	263.5
107	G93B_100_087$_{de}$	0.125	0.25	1.0	1.0	0.875	0.562	262	0.125	0.698	1.0	66.5	−4.4	−45.3	45.6	264.4	0.294	0.696	1.0	66.3	−4.9	−45.0	45.2	263.6	0.7	229	0.0	0.654	1.0	62.4	−5.0	−51.8	52.1	264.4
108	Y68G_037_037$_{de}$	0.125	0.375	0.0	0.375	0.375	0.187	131	0.0	0.375	0.102	31.4	−30.0	25.1	39.1	140.0	0.125	0.354	0.133	31.5	−30.4	25.4	39.7	140.1	0.5	165	0.0	1.0	0.273	83.8	−80.1	67.0	104.4	140.0
109	G00B_037_025$_{de}$	0.125	0.375	0.125	0.375	0.25	0.25	150	0.124	0.375	0.301	33.2	−16.1	5.1	16.9	162.2	0.203	0.354	0.289	33.1	−17.2	5.0	17.9	163.7	1.1	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
110	G25B_037_025$_{de}$	0.125	0.375	0.25	0.375	0.25	0.25	180	0.124	0.375	0.362	33.5	−12.4	−2.1	12.6	189.6	0.208	0.353	0.341	33.5	−13.4	−2.3	13.6	189.7	1.0	207	0.0	1.0	0.951	86.5	−49.9	−8.4	50.6	189.6
111	G50B_037_025$_{de}$	0.125	0.375	0.375	0.375	0.25	0.25	210	0.124	0.347	0.375	31.6	−8.5	−6.4	10.7	216.9	0.204	0.329	0.351	31.6	−9.6	−6.7	11.7	214.7	1.1	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
112	G65B_050_037$_{de}$	0.125	0.375	0.5	0.5	0.375	0.312	229	0.124	0.428	0.5	39.4	−9.4	−13.1	16.2	234.3	0.237	0.41	0.474	39.5	−10.0	−13.2	16.6	232.9	0.5	220	0.0	0.808	1.0	73.3	−25.2	−35.1	43.2	234.3
113	G75B_062_050$_{de}$	0.125	0.375	0.625	0.625	0.5	0.375	240	0.125	0.506	0.625	46.9	−9.5	−19.8	21.9	244.3	0.266	0.489	0.596	47.0	−10.1	−19.6	22.0	242.7	0.6	223	0.0	0.763	1.0	70.0	−19.0	−39.6	43.9	244.3
114	G80B_075_062$_{de}$	0.125	0.375	0.75	0.75	0.625	0.437	247	0.125	0.581	0.75	54.2	−9.4	−27.0	28.6	250.7	0.28	0.566	0.726	54.1	−9.9	−26.9	28.7	249.8	0.4	225	0.0	0.73	1.0	67.7	−15.1	−43.2	45.7	250.7
115	G84B_087_075$_{de}$	0.125	0.375	0.875	0.875	0.75	0.5	251	0.125	0.657	0.875	61.6	−9.5	−34.3	35.6	254.3	0.287	0.648	0.864	61.5	−9.7	−34.4	35.8	254.2	0.2	226	0.0	0.71	1.0	66.3	−12.7	−45.7	47.4	254.3
116	G86B_100_087$_{de}$	0.125	0.375	1.0	1.0	0.875	0.562	254	0.125	0.733	1.0	69.0	−9.4	−41.5	42.6	257.1	0.29	0.733	1.0	68.8	−10.0	−41.0	42.2	256.2	0.7	227	0.0	0.695	1.0	65.2	−10.8	−47.5	48.7	257.1
117	Y76G_050_050$_{de}$	0.125	0.5	0.0	0.5	0.5	0.25	136	0.0	0.5	0.218	42.0	−38.0	25.7	45.9	145.9	0.131	0.474	0.226	42.2	−38.6	26.1	46.6	145.8	0.7	175	0.0	1.0	0.436	84.1	−76.0	51.4	91.8	145.9
118	G00B_050_037$_{de}$	0.125	0.5	0.125	0.5	0.375	0.312	150	0.124	0.5	0.389	43.8	−24.2	7.7	25.4	162.2	0.245	0.475	0.375	44.0	−24.6	7.8	25.8	162.3	0.4	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
119	G15B_050_037$_{de}$	0.125	0.5	0.25	0.5	0.375	0.312	169	0.124	0.5	0.455	44.2	−20.3	0.1	20.3	179.5	0.248	0.474	0.431	44.3	−20.9	0.1	20.9	179.6	0.5	203	0.0	1.0	0.88	86.0	−54.3	0.4	54.3	179.5
120	G34B_050_037$_{de}$	0.125	0.5	0.375	0.5	0.375	0.312	191	0.124	0.493	0.5	44.0	−16.7	−5.9	17.7	199.6	0.251	0.468	0.472	44.1	−17.1	−5.9	18.1	199.2	0.4	210	0.0	0.982	1.0	85.6	−44.5	−15.8	47.3	199.6
121	G50B_050_037$_{de}$	0.125	0.5	0.5	0.5	0.375	0.312	210	0.124	0.458	0.5	41.5	−12.8	−9.6	16.0	216.9	0.243	0.437	0.472	41.6	−13.4	−9.7	16.6	215.9	0.6	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
122	G61B_062_050$_{de}$	0.125	0.5	0.625	0.625	0.5	0.375	224	0.125	0.539	0.625	49.3	−13.8	−16.3	21.4	229.7	0.264	0.52	0.597	49.3	−14.4	−16.1	21.6	228.3	0.5	219	0.0	0.829	1.0	74.7	−27.7	−32.7	42.8	229.7
123	G69B_075_062$_{de}$	0.125	0.5	0.75	0.75	0.625	0.437	233	0.125	0.62	0.75	57.0	−14.4	−23.0	27.1	237.9	0.28	0.603	0.728	56.8	−14.7	−23.0	27.3	237.4	0.3	221	0.0	0.792	1.0	72.1	−23.0	−36.8	43.4	237.9
124	G75B_087_075$_{de}$	0.125	0.5	0.875	0.875	0.75	0.5	240	0.125	0.697	0.875	64.4	−14.2	−29.7	32.9	244.3	0.299	0.687	0.862	64.3	−14.5	−29.8	33.2	244.0	0.3	223	0.0	0.763	1.0	70.0	−19.0	−39.6	43.9	244.3
125	G79B_100_087$_{de}$	0.125	0.5	1.0	1.0	0.875	0.562	245	0.125	0.773	1.0	71.8	−14.1	−36.7	39.3	248.9	0.311	0.772	1.0	71.7	−14.4	−36.6	39.3	248.4	0.3	224	0.0	0.74	1.0	68.4	−16.1	−41.9	44.9	248.9
126	Y81G_062_062$_{de}$	0.125	0.625	0.0	0.625	0.625	0.312	139	0.0	0.625	0.32	52.7	−45.8	27.1	53.2	149.4	0.13	0.596	0.319	52.6	−46.1	27.1	53.5	149.5	0.3	180	0.0	1.0	0.513	84.3	−73.3	43.3	85.2	149.4
127	G00B_062_050$_{de}$	0.125	0.625	0.125	0.625	0.5	0.375	150	0.125	0.625	0.478	54.5	−32.3	10.3	33.9	162.2	0.269	0.598	0.463	54.4	−32.6	10.0	34.1	162.8	0.4	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
128	G11B_062_050$_{de}$	0.125	0.625	0.25	0.625	0.5	0.375	164	0.125	0.625	0.544	54.8	−28.5	2.4	28.6	175.0	0.272	0.598	0.523	54.7	−28.8	2.2	28.8	175.6	0.3	201	0.0	1.0	0.838	85.8	−57.1	4.9	57.3	175.0
129	G25B_062_050$_{de}$	0.125	0.625	0.375	0.625	0.5	0.375	180	0.125	0.625	0.6	55.2	−24.9	−4.2	25.3	189.6	0.276	0.597	0.574	55.1	−25.3	−4.3	25.6	189.6	0.3	207	0.0	1.0	0.951	86.5	−49.9	−8.4	50.6	189.6
130	G38B_062_050$_{de}$	0.125	0.625	0.5	0.625	0.5	0.375	196	0.125	0.604	0.625	53.8	−21.0	−9.4	23.0	204.2	0.274	0.578	0.597	53.8	−21.4	−9.4	23.4	203.6	0.4	212	0.0	0.958	1.0	83.9	−42.0	−18.9	46.1	204.2
131	G50B_062_050$_{de}$	0.125	0.625	0.625	0.625	0.5	0.375	210	0.125	0.57	0.625	51.4	−17.1	−12.8	21.4	216.9	0.271	0.547	0.595	51.4	−17.7	−12.7	21.8	215.7	0.6	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
132	G59B_075_062$_{de}$	0.125	0.625	0.75	0.75	0.625	0.437	221	0.125	0.651	0.75	59.2	−18.1	−19.5	26.6	227.0	0.285	0.632	0.727	59.0	−18.3	−19.6	26.9	226.8	0.2	218	0.0	0.842	1.0	75.6	−29.1	−31.2	42.6	227.0
133	G65B_087_075$_{de}$	0.125	0.625	0.875	0.875	0.75	0.5	229	0.125	0.731	0.875	66.9	−18.9	−26.3	32.4	234.3	0.29	0.721	0.865	66.7	−19.1	−26.4	32.6	234.0	0.3	220	0.0	0.808	1.0	73.3	−25.2	−35.1	43.2	234.3
134	G70B_100_087$_{de}$	0.125	0.625	1.0	1.0	0.875	0.562	235	0.125	0.811	1.0	74.5	−19.2	−32.9	38.1	239.7	0.299	0.811	1.0	74.3	−19.8	−32.5	38.0	238.6	0.8	221	0.0	0.784	1.0	71.5	−21.9	−37.7	43.6	239.7
135	Y85G_075_075$_{de}$	0.125	0.75	0.0	0.75	0.75	0.375	141	0.0	0.75	0.414	63.3	−53.8	28.9	61.1	151.7	0.112	0.726	0.413	63.3	−54.0	28.7	61.1	152.0	0.2	183	0.0	1.0	0.553	84.5	−71.8	38.6	81.5	151.7
136	G00B_075_062$_{de}$	0.125	0.75	0.125	0.75	0.625	0.437	150	0.125	0.75	0.566	65.1	−40.4	12.9	42.4	162.2	0.291	0.729	0.554	65.0	−40.7	12.7	42.6	162.5	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
137	G09B_075_062$_{de}$	0.125	0.75	0.25	0.75	0.625	0.437	161	0.125	0.75	0.632	65.4	−36.7	4.9	37.0	172.2	0.292	0.728	0.615	65.3	−37.0	5.0	37.3	172.3	0.3	199	0.0	1.0	0.812	85.7	−58.7	7.9	59.3	172.2
138	G19B_075_062$_{de}$	0.125	0.75	0.375	0.75	0.625	0.437	173	0.125	0.75	0.691	65.8	−33.0	−1.8	33.1	183.2	0.296	0.728	0.67	65.7	−33.4	−1.8	33.4	183.2	0.3	205	0.0	1.0	0.906	86.2	−52.8	−2.9	52.9	183.2
139	G30B_075_062$_{de}$	0.125	0.75	0.5	0.75	0.625	0.437	187	0.125	0.75	0.748	66.2	−29.0	−8.3	30.1	195.9	0.305	0.726	0.722	66.0	−29.4	−8.3	30.6	195.8	0.4	209	0.0	1.0	0.997	86.8	−46.4	−13.2	48.2	195.9
140	G40B_075_062$_{de}$	0.125	0.75	0.625	0.75	0.625	0.437	199	0.125	0.714	0.75	63.7	−25.3	−12.8	28.4	206.9	0.291	0.693	0.728	63.5	−25.7	−12.9	28.7	206.6	0.4	212	0.0	0.943	1.0	82.8	−40.5	−20.5	45.4	206.9
141	G50B_075_062$_{de}$	0.125	0.75	0.75	0.75	0.625	0.437	210	0.125	0.681	0.75	61.3	−21.4	−16.1	26.8	216.9	0.294	0.661	0.726	61.1	−21.7	−16.2	27.1	216.8	0.3	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
142	G57B_087_075$_{de}$	0.125	0.75	0.875	0.875	0.75	0.5	219	0.125	0.762	0.875	69.1	−22.4	−22.6	31.9	225.1	0.303	0.752	0.863	69.0	−22.6	−22.7	32.1	225.1	0.2	217	0.0	0.85	1.0	76.2	−29.9	−30.1	42.5	225.1
143	G63B_100_087$_{de}$	0.125	0.75	1.0	1.0	0.875	0.562	226	0.125	0.843	1.0	76.8	−23.3	−29.4	37.6	231.5	0.298	0.845	1.0	76.7	−24.0	−28.9	37.5	230.2	0.8	219	0.0	0.821	1.0	74.1	−26.7	−33.7	43.0	231.5
144	Y86G_087_087$_{de}$	0.125	0.875	0.0	0.875	0.875	0.437	142	0.0	0.875	0.501	74.0	−62.1	31.7	69.7	152.9	0.066	0.861	0.502	73.9	−62.2	31.4	69.7	153.1	0.3	184	0.0	1.0	0.573	84.6	−70.9	36.3	79.7	152.9
145	G00B_087_075$_{de}$	0.125	0.875	0.125	0.875	0.75	0.5	150	0.125	0.875	0.654	75.7	−48.5	15.5	50.9	162.2	0.307	0.864	0.646	75.7	−48.8	15.6	51.3	162.2	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
146	G07B_087_075$_{de}$	0.125	0.875	0.25	0.875	0.75	0.5	159	0.125	0.875	0.721	76.1	−44.8	7.5	45.4	170.4	0.306	0.864	0.712	76.0	−45.2	7.6	45.9	170.4	0.4	198	0.0	1.0	0.795	85.6	−59.7	10.0	60.6	170.4
147	G15B_087_075$_{de}$	0.125	0.875	0.375	0.875	0.75	0.5	169	0.125	0.875	0.785	76.4	−40.7	0.3	40.7	179.5	0.318	0.863	0.772	76.3	−41.0	0.2	41.0	179.5	0.3	203	0.0	1.0	0.88	86.0	−54.3	0.4	54.3	179.5
148	G25B_087_075$_{de}$	0.125	0.875	0.5	0.875	0.75	0.5	180	0.125	0.875	0.838	76.8	−37.4	−6.3	37.9	189.6	0.312	0.863	0.827	76.7	−37.8	−6.3	38.3	189.5	0.4	207	0.0	1.0	0.951	86.5	−49.9	−8.4	50.6	189.6
149	G34B_087_075$_{de}$	0.125	0.875	0.625	0.875	0.75	0.5	191	0.125	0.861	0.875	76.1	−33.4	−11.9	35.4	199.6	0.319	0.85	0.862	76.0	−33.7	−11.9	35.7	199.5	0.3	210	0.0	0.982	1.0	85.6	−44.5	−15.8	47.3	199.6
150	G42B_087_075$_{de}$	0.125	0.875	0.75	0.875	0.75	0.5	201	0.125	0.825	0.875	73.5	−29.5	−16.2	33.7	208.7	0.305	0.814	0.865	73.4	−29.9	−16.2	34.0	208.5	0.3	213	0.0	0.933	1.0	82.1	−39.4	−21.6	44.9	208.7
151	G50B_087_075$_{de}$	0.125	0.875	0.875	0.875	0.75	0.5	210	0.125	0.792	0.875	71.2	−25.6	−19.3	32.1	216.9	0.312	0.781	0.863	71.1	−25.9	−19.4	32.3	216.8	0.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
152	G56B_100_087$_{de}$	0.125	0.875	1.0	1.0	0.875	0.562	218	0.125	0.872	1.0	78.9	−26.6	−25.9	37.1	224.2	0.315	0.874	1.0	78.8	−26.9	−25.6	37.2	223.6	0.4	217	0.0	0.854	1.0	76.5	−30.4	−29.6	42.4	224.2
153	Y88G_100_100$_{de}$	0.125	1.0	0.0	1.0	1.0	0.5	143	0.0	1.0	0.593	84.6	−70.0	34.0	77.9	154.0	0.0	1.0	0.594	84.6	−69.9	34.2	77.8	153.9	0.2	186	0.0	1.0	0.593	84.6	−70.0	34.0	77.9	154.0
154	G00B_100_087$_{de}$	0.125	1.0	0.125	1.0	0.875	0.562	150	0.125	1.0	0.742	86.4	−56.5	18.1	59.4	162.2	0.32	1.0	0.744	86.1	−56.4	17.8	59.1	162.4	0.4	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
155	G06B_100_087$_{de}$	0.125	1.0	0.25	1.0	0.875	0.562	158	0.125	1.0	0.813	86.7	−52.7	9.7	53.6	169.5	0.318	1.0	0.815	86.4	−52.6	9.3	53.4	169.8	0.4	198	0.0	1.0	0.786	85.5	−60.2	11.1	61.2	169.5
156	G13B_100_087$_{de}$	0.125	1.0	0.375	1.0	0.875	0.562	166	0.125	1.0	0.873	87.1	−48.9	2.7	49.0	176.8	0.329	1.0	0.874	86.8	−48.8	2.4	48.8	177.1	0.3	202	0.0	1.0	0.855	85.9	−55.9	3.1	56.0	176.8
157	G20B_100_087$_{de}$	0.125	1.0	0.5	1.0	0.875	0.562	175	0.125	1.0	0.929	87.4	−45.5	−4.0	45.7	185.0	0.322	1.0	0.932	87.1	−45.4	−4.4	45.7	185.5	0.4	205	0.0	1.0	0.919	86.3	−52.1	−4.5	52.3	185.0
158	G29B_100_087$_{de}$	0.125	1.0	0.625	1.0	0.875	0.562	185	0.125	1.0	0.986	87.8	−41.5	−10.4	42.8	194.1	0.338	1.0	0.987	87.6	−41.3	−10.7	42.7	194.6	0.3	209	0.0	1.0	0.984	86.7	−47.4	−11.9	48.9	194.1
159	G36B_100_087$_{de}$	0.125	1.0	0.75	1.0	0.875	0.562	194	0.125	0.972	1.0	85.9	−37.7	−15.5	40.7	202.3	0.323	0.974	1.0	85.8	−38.2	−14.9	41.0	201.3	0.7	211	0.0	0.968	1.0	84.6	−43.0	−17.7	46.6	202.3
160	G43B_100_087$_{de}$	0.125	1.0	0.875	1.0	0.875	0.562	202	0.125	0.937	1.0	83.5	−34.0	−19.3	39.1	209.6	0.313	0.94	1.0	83.4	−34.7	−18.6	39.4	208.2	1.0	213	0.0	0.929	1.0	81.8	−38.8	−22.1	44.7	209.6
161	G50B_100_087$_{de}$	0.125	1.0	1.0	1.0	0.875	0.562	210	0.125	0.903	1.0	81.1	−29.9	−22.5	37.5	216.9	0.322	0.905	1.0	81.0	−30.4	−22.2	37.7	216.2	0.5	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9

delta E'^* = 0.6

3−1131630−F0

QF520−7N, 17/29−F

graphique TUB-QF52; code de teinte: H^*_e=Y50G_e
couleurs et différences, $\Delta E'^*$

entrée : *rgb/cmyk* −> rgb_{de}
sortie : linéarisation 3D selon rgb^*_{de}

C M Y O L V

3−1131630−F0

voir fichiers similaires: http://130.149.60.45/~farbmetrik/QF52/QF52.HTM
informations techniques: http://www.ps.bam.de ou http://130.149.60.45/~farbmetrik

TUB enregistrement: 20130201-QF52/QF52L0FP.PDF /.PS
application pour la mesure de sortie surècran, aucune séparation

TUB matériel: code=rha4ta

QF5211S

TUB enregistrement: 20130201-QF52/QF52L0FP.PDF /.PS
application pour la mesure de sortie sur ècran, aucune séparation

TUB matériel: code=rha4ta

http://130.149.60.45/~farbmetrik/QF52/QF52L0FP.PDF /.PS; linéarisation 3D
F: linéarisation 3D QF52/QF52LF30FP.DAT dans fichier (F), páge 18/29

n	HIC^*_{Fde}	*rgb*$_{\_Fde}$			*ict*$_{\_Fde}$			$h_{si\_F,de}$	rgb^*_{Fde}			$LabCh^*_{Fde}$					rgb'^*_{Fde}			$LabCh'^*_{Fde}$					DE'^*_{Fde}	$h_{siM,de}$	rgb^*_{Mde}			$LabCh^*_{Mde}$				
162	R00Y_025_025$_{de}$	0.25	0.0	0.0	0.25	0.25	0.125	390	0.25	0.0	0.065	12.7	19.5	9.3	21.6	25.4	0.248	0.077	0.076	12.1	20.4	10.6	23.0	27.4	1.6	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
163	R00Y_025_025$_{de}$	0.25	0.0	0.125	0.25	0.25	0.125	360	0.25	0.0	0.154	13.2	20.9	−2.9	21.1	352.0	0.241	0.08	0.162	12.6	21.8	−4.0	22.2	349.6	1.5	352	1.0	0.0	0.617	52.9	83.6	−11.6	84.4	352.0
164	B50R_025_025$_{de}$	0.25	0.0	0.25	0.25	0.25	0.125	330	0.25	0.0	0.247	14.2	23.5	−14.3	27.5	328.6	0.241	0.086	0.237	13.7	24.5	−15.3	28.9	327.9	1.4	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
165	B34R_037_037$_{de}$	0.25	0.0	0.375	0.375	0.375	0.187	311	0.166	0.0	0.375	13.9	29.6	−34.5	45.5	310.5	0.187	0.069	0.353	13.1	30.7	−36.1	47.4	310.3	2.0	296	0.444	0.0	1.0	37.0	79.0	−92.2	121.5	310.5
166	B25R_050_050$_{de}$	0.25	0.0	0.5	0.5	0.5	0.25	300	0.0	0.135	0.5	19.1	26.3	−45.3	52.4	300.1	0.131	0.148	0.474	18.9	26.6	−46.0	53.1	300.0	0.7	254	0.0	0.27	1.0	38.2	52.7	−90.7	104.9	300.1
167	B19R_062_062$_{de}$	0.25	0.0	0.625	0.625	0.625	0.312	293	0.0	0.245	0.625	28.0	21.7	−49.8	54.3	293.5	0.129	0.248	0.597	28.0	21.5	−49.8	54.2	293.3	0.2	247	0.0	0.392	1.0	44.9	34.7	−79.7	86.9	293.5
168	B15R_075_075$_{de}$	0.25	0.0	0.75	0.75	0.75	0.375	289	0.0	0.33	0.75	35.9	20.2	−56.2	59.8	289.7	0.078	0.33	0.728	35.7	19.6	−56.4	59.8	289.2	0.5	243	0.0	0.44	1.0	47.9	26.9	−75.0	79.7	289.7
169	B13R_087_087$_{de}$	0.25	0.0	0.875	0.875	0.875	0.437	286	0.0	0.416	0.875	43.9	18.9	−62.2	65.0	286.9	0.043	0.417	0.862	44.0	18.4	−62.1	64.8	286.5	0.5	241	0.0	0.476	1.0	50.2	21.6	−71.1	74.3	286.9
170	B11R_100_100$_{de}$	0.25	0.0	1.0	1.0	1.0	0.5	284	0.0	0.5	1.0	51.8	18.3	−68.3	70.7	285.0	0.0	0.502	1.0	51.9	18.0	−68.0	70.4	284.8	0.3	239	0.0	0.5	1.0	51.8	18.3	−68.3	70.7	285.0
171	R50Y_025_025$_{de}$	0.25	0.125	0.0	0.25	0.25	0.125	60	0.25	0.121	0.0	15.7	10.6	17.7	20.6	58.8	0.247	0.138	0.042	15.6	10.4	19.2	21.9	61.4	1.5	59	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8
172	R00Y_025_012$_{de}$	0.25	0.125	0.125	0.25	0.125	0.187	390	0.25	0.124	0.157	18.2	9.7	4.6	10.8	25.4	0.247	0.163	0.16	18.0	9.4	4.3	10.4	24.7	0.5	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
173	B50R_025_012$_{de}$	0.25	0.125	0.25	0.25	0.125	0.187	330	0.25	0.124	0.248	19.0	11.7	−7.1	13.7	328.6	0.239	0.168	0.237	18.8	11.6	−7.6	13.8	326.6	0.5	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
174	B25R_037_025$_{de}$	0.25	0.125	0.375	0.375	0.25	0.25	300	0.124	0.192	0.375	21.4	13.1	−22.6	26.2	300.1	0.206	0.192	0.355	21.0	12.8	−23.5	26.7	298.6	0.9	254	0.0	0.27	1.0	38.2	52.7	−90.7	104.9	300.1
175	B15R_050_037$_{de}$	0.25	0.125	0.5	0.5	0.375	0.312	289	0.124	0.29	0.5	29.9	10.1	−28.1	29.9	289.7	0.235	0.281	0.475	29.8	9.7	−28.5	30.1	288.7	0.5	243	0.0	0.44	1.0	47.9	26.9	−75.0	79.7	289.7
176	B11R_062_050$_{de}$	0.25	0.125	0.625	0.625	0.5	0.375	284	0.125	0.375	0.625	37.8	9.1	−34.1	35.3	285.0	0.266	0.363	0.597	37.8	8.7	−34.1	35.2	284.3	0.4	239	0.0	0.5	1.0	51.8	18.3	−68.3	70.7	285.0
177	B09R_075_062$_{de}$	0.25	0.125	0.75	0.75	0.625	0.437	281	0.125	0.452	0.75	45.3	8.9	−41.3	42.3	282.1	0.278	0.441	0.729	45.2	8.2	−41.2	42.0	281.2	0.6	238	0.0	0.523	1.0	53.3	14.2	−66.1	67.7	282.1
178	B07R_087_075$_{de}$	0.25	0.125	0.875	0.875	0.75	0.5	279	0.125	0.529	0.875	52.7	8.7	−48.4	49.2	280.2	0.29	0.522	0.865	52.7	8.2	−48.4	49.1	279.6	0.5	237	0.0	0.539	1.0	54.4	11.7	−64.6	65.6	280.2
179	B06R_100_087$_{de}$	0.25	0.125	1.0	1.0	0.875	0.562	278	0.125	0.603	1.0	60.0	9.1	−55.8	56.5	279.3	0.295	0.6	1.0	59.8	8.5	−55.3	55.9	278.7	0.8	236	0.0	0.546	1.0	54.9	10.4	−63.8	64.6	279.3
180	Y00G_025_025$_{de}$	0.25	0.25	0.0	0.25	0.25	0.125	90	0.25	0.214	0.0	20.9	−0.8	21.1	21.1	92.3	0.24	0.207	0.065	20.7	−1.5	22.6	22.6	93.8	1.6	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
181	Y00G_025_012$_{de}$	0.25	0.25	0.125	0.25	0.125	0.187	90	0.25	0.232	0.124	22.3	−0.4	10.5	10.5	92.3	0.24	0.221	0.158	22.2	−1.0	10.4	10.5	95.4	0.6	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
182	NW_025$_{de}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	23.8	0.0	0.0	0.0	0.0	0.232	0.236	0.237	23.7	−0.4	−0.2	0.4	207.2	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
183	B00R_037_012$_{de}$	0.25	0.25	0.375	0.375	0.125	0.312	270	0.249	0.326	0.375	31.2	0.2	−7.0	7.0	271.7	0.276	0.308	0.352	31.1	−0.4	−7.3	7.3	266.8	0.6	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
184	B00R_050_025$_{de}$	0.25	0.25	0.5	0.5	0.25	0.375	270	0.249	0.402	0.5	38.6	0.4	−14.1	14.1	271.7	0.32	0.382	0.473	38.6	0.0	−14.4	14.4	269.8	0.5	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
185	B00R_062_037$_{de}$	0.25	0.25	0.625	0.625	0.375	0.437	270	0.25	0.478	0.625	46.0	0.6	−21.2	21.2	271.7	0.359	0.459	0.597	46.0	0.0	−21.0	21.0	270.0	0.6	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
186	B00R_075_050$_{de}$	0.25	0.25	0.75	0.75	0.5	0.5	270	0.25	0.554	0.75	53.4	0.8	−28.3	28.3	271.7	0.394	0.538	0.728	53.4	0.4	−28.1	28.1	270.8	0.4	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
187	B00R_087_062$_{de}$	0.25	0.25	0.875	0.875	0.625	0.562	270	0.25	0.63	0.875	60.8	1.0	−35.3	35.3	271.7	0.424	0.617	0.864	60.7	1.0	−35.5	35.5	271.6	0.2	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
188	B00R_100_075$_{de}$	0.25	0.25	1.0	1.0	0.75	0.625	270	0.25	0.707	1.0	68.2	1.2	−42.4	42.4	271.7	0.45	0.701	1.0	68.1	0.9	−42.1	42.1	271.2	0.5	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
189	Y31G_037_037$_{de}$	0.25	0.375	0.0	0.375	0.375	0.187	109	0.302	0.375	0.0	33.5	−14.8	32.6	35.8	114.4	0.292	0.35	0.089	33.4	−15.5	33.4	36.9	114.9	1.0	100	0.806	1.0	0.0	89.4	−39.5	87.0	95.6	114.4
190	Y50G_037_025$_{de}$	0.25	0.375	0.125	0.375	0.25	0.25	120	0.257	0.375	0.124	33.4	−15.7	20.7	26.0	127.2	0.264	0.353	0.185	33.4	−16.5	21.0	26.7	128.0	0.8	118	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2
191	G00B_037_012$_{de}$	0.25	0.375	0.25	0.375	0.125	0.312	150	0.249	0.375	0.338	34.4	−8.0	2.5	8.4	162.2	0.279	0.353	0.32	34.4	−8.7	2.4	9.1	164.6	0.7	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
192	G50B_037_012$_{de}$	0.25	0.375	0.375	0.375	0.125	0.312	210	0.249	0.361	0.375	33.7	−4.2	−3.2	5.3	216.9	0.281	0.34	0.351	33.6	−4.9	−3.4	6.0	215.0	0.6	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
193	G75B_050_025$_{de}$	0.25	0.375	0.5	0.5	0.25	0.375	240	0.249	0.44	0.5	41.3	−4.7	−9.9	10.9	244.3	0.321	0.419	0.472	41.3	−5.4	−10.1	11.5	241.8	0.7	223	0.0	0.763	1.0	70.0	−19.0	−39.6	43.9	244.3
194	G84B_062_037$_{de}$	0.25	0.375	0.625	0.625	0.375	0.437	251	0.25	0.516	0.625	48.7	−4.7	−17.1	17.8	254.3	0.36	0.497	0.597	48.8	−5.2	−16.9	17.7	252.7	0.5	226	0.0	0.71	1.0	66.3	−12.7	−45.7	47.4	254.3
195	G88B_075_050$_{de}$	0.25	0.375	0.75	0.75	0.5	0.5	256	0.25	0.592	0.75	56.1	−4.7	−24.3	24.7	258.9	0.39	0.575	0.729	56.0	−5.0	−24.2	24.8	258.2	0.3	227	0.0	0.685	1.0	64.5	−9.4	−48.6	49.5	258.9
196	G90B_087_062$_{de}$	0.25	0.375	0.875	0.875	0.625	0.562	259	0.25	0.668	0.875	63.5	−4.5	−31.4	31.7	261.6	0.418	0.657	0.865	63.3	−4.7	−31.6	31.9	261.5	0.2	228	0.0	0.67	1.0	63.4	−7.3	−50.3	50.8	261.6
197	G92B_100_075$_{de}$	0.25	0.375	1.0	1.0	0.75	0.625	261	0.25	0.744	1.0	70.9	−4.3	−38.5	38.7	263.5	0.446	0.741	1.0	70.7	−4.7	−38.0	38.3	262.8	0.6	229	0.0	0.659	1.0	62.7	−5.8	−51.3	51.7	263.5
198	Y50G_050_050$_{de}$	0.25	0.5	0.0	0.5	0.5	0.25	120	0.264	0.5	0.0	42.9	−31.5	41.4	52.0	127.2	0.273	0.472	0.095	43.0	−32.2	42.2	53.1	127.3	1.0	118	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2
199	Y68G_050_037$_{de}$	0.25	0.5	0.125	0.5	0.375	0.312	131	0.124	0.5	0.227	43.3	−30.0	25.1	39.1	140.0	0.252	0.476	0.246	43.5	−30.4	25.3	39.6	140.1	0.4	165	0.0	1.0	0.273	83.8	−80.1	67.0	104.4	140.0
200	G00B_050_025$_{de}$	0.25	0.5	0.25	0.5	0.25	0.375	150	0.249	0.5	0.426	45.1	−16.1	5.1	16.9	162.2	0.325	0.475	0.407	45.1	−16.8	5.0	17.5	163.4	0.6	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
201	G25B_050_025$_{de}$	0.25	0.5	0.375	0.5	0.25	0.375	180	0.249	0.5	0.487	45.4	−12.4	−2.1	12.6	189.6	0.329	0.474	0.461	45.5	−13.1	−2.2	13.3	189.8	0.7	207	0.0	1.0	0.951	86.5	−49.9	−8.4	50.6	189.6
202	G50B_050_025$_{de}$	0.25	0.5	0.5	0.5	0.25	0.375	210	0.249	0.472	0.5	43.6	−8.5	−6.4	10.7	216.9	0.324	0.448	0.471	43.6	−9.3	−6.6	11.5	215.3	0.8	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
203	G65B_062_037$_{de}$	0.25	0.5	0.625	0.625	0.375	0.437	229	0.25	0.553	0.625	51.3	−9.4	−13.1	16.2	234.3	0.364	0.532	0.597	51.4	−9.9	−12.9	16.3	232.5	0.5	220	0.0	0.808	1.0	73.3	−25.2	−35.1	43.2	234.3
204	G75B_075_050$_{de}$	0.25	0.5	0.75	0.75	0.5	0.5	240	0.25	0.631	0.75	58.8	−9.5	−19.8	21.9	244.3	0.4	0.612	0.727	58.7	−9.5	−19.8	22.0	244.2	0.1	223	0.0	0.763	1.0	70.0	−19.0	−39.6	43.9	244.3
205	G80B_087_062$_{de}$	0.25	0.5	0.875	0.875	0.625	0.562	247	0.25	0.706	0.875	66.1	−9.4	−27.0	28.6	250.7	0.425	0.695	0.863	66.0	−9.6	−27.1	28.8	250.5	0.2	225	0.0	0.73	1.0	67.7	−15.1	−43.2	45.7	250.7
206	G84B_100_075$_{de}$	0.25	0.5	1.0	1.0	0.75	0.625	251	0.25	0.782	1.0	73.6	−9.5	−34.3	35.6	254.3	0.446	0.781	1.0	73.4	−10.0	−33.8	35.3	253.4	0.6	226	0.0	0.71	1.0	66.3	−12.7	−45.7	47.4	254.3
207	Y61G_062_062$_{de}$	0.25	0.625	0.0	0.625	0.625	0.312	127	0.082	0.625	0.0	52.3	−50.8	50.0	71.3	135.4	0.159	0.596	0.093	52.2	−51.3	50.6	72.0	135.4	0.7	142	0.132	1.0	0.0	83.7	−81.2	80.1	114.1	135.4
208	Y76G_062_050$_{de}$	0.25	0.625	0.125	0.625	0.5	0.375	136	0.125	0.625	0.343	54.0	−38.0	25.7	45.9	145.9	0.272	0.599	0.344	53.9	−38.3	25.6	46.1	146.2	0.3	175	0.0	1.0	0.436	84.1	−76.0	51.4	91.8	145.9
209	G00B_062_037$_{de}$	0.25	0.625	0.25	0.625	0.375	0.437	150	0.25	0.625	0.514	55.7	−24.2	7.7	25.4	162.2	0.37	0.599	0.497	55.7	−24.1	7.4	25.3	162.8	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
210	G15B_062_037$_{de}$	0.25	0.625	0.375	0.625	0.375	0.437	169	0.25	0.625	0.58	56.1	−20.3	0.1	20.3	179.5	0.375	0.598	0.554	56.0	−20.4	0.0	20.4	179.9	0.1	203	0.0	1.0	0.88	86.0	−54.3	0.4	54.3	179.5
211	G34B_062_037$_{de}$	0.25	0.625	0.5	0.625	0.375	0.437	191	0.25	0.618	0.625	55.9	−16.7	−5.9	17.7	199.6	0.379	0.591	0.595	55.8	−16.8	−5.9	17.9	199.3	0.1	210	0.0	0.982	1.0	85.6	−44.5	−15.8	47.3	199.6
212	G50B_062_037$_{de}$	0.25	0.625	0.625	0.625	0.375	0.437	210	0.25	0.583	0.625	53.5	−12.8	−9.6	16.0	216.9	0.371	0.559	0.595	53.4	−13.2	−9.5	16.3	215.8	0.3	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
213	G61B_075_050$_{de}$	0.25	0.625	0.75	0.75	0.5	0.5	224	0.25	0.664	0.75	61.2	−13.8	−16.3	21.4	229.7	0.399	0.645	0.728	61.0	−13.9	−16.4	21.5	229.6	0.2	219	0.0	0.829	1.0	74.7	−27.7	−32.7	42.8	229.7
214	G69B_087_062$_{de}$	0.25	0.625	0.875	0.875	0.625	0.562	233	0.25	0.745	0.875	68.9	−14.4	−23.0	27.1	237.9	0.425	0.734	0.864	68.7	−14.5	−23.1	27.3	237.7	0.2	221	0.0	0.792	1.0	72.1	−23.0	−36.8	43.4	237.9
215	G75B_100_075$_{de}$	0.25	0.625	1.0	1.0	0.75	0.625	240	0.25	0.822	1.0	76.3	−14.2	−29.7	32.9	244.3	0.457	0.821	1.0	76.2	−14.6	−29.4	32.9	243.6	0.4	223	0.0	0.763	1.0	70.0	−19.0	−39.6	43.9	244.3
216	Y68G_075_075$_{de}$	0.25	0.75	0.0	0.75	0.75	0.375	131	0.0	0.75	0.204	62.8	−60.1	50.2	78.3	140.0	0.129	0.726	0.217	62.8	−60.2	50.6	78.6	139.9	0.3	165	0.0	1.0	0.273	83.8	−80.1	67.0	104.4	140.0
217	Y81G_075_062$_{de}$	0.25	0.75	0.125	0.75	0.625	0.437	139	0.125	0.75	0.445	64.6	−45.8	27.1	53.2	149.4	0.294	0.729	0.441	64.5	−46.1	26.8	53.4	149.7	0.3	180	0.0	1.0	0.513	84.3	−73.3	43.3	85.2	149.4
218	G00B_075_050$_{de}$	0.25	0.75	0.25	0.75	0.5	0.5	150	0.25	0.75	0.603	66.4	−32.3	10.3	33.9	162.2	0.404	0.73	0.587	66.3	−32.5	10.3	34.1	162.4	0.2	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
219	G11B_075_050$_{de}$	0.25	0.75	0.375	0.75	0.5	0.5	164	0.25	0.75	0.669	66.7	−28.5	2.4	28.6	175.0	0.409	0.729	0.649	66.6	−28.7	2.5	28.8	174.9	0.1	201	0.0	1.0	0.838	85.8	−57.1	4.9	57.3	175.0
220	G25B_075_050$_{de}$	0.25	0.75	0.5	0.75	0.5	0.5	180	0.25	0.75	0.725	67.1	−24.9	−4.2	25.3	189.6	0.413	0.728	0.703	67.0	−25.1	−4.2	25.5	189.4	0.2	207	0.0	1.0	0.951	86.5	−49.9	−8.4	50.6	189.6
221	G38B_075_050$_{de}$	0.25	0.75	0.625	0.75	0.5	0.5	196	0.25	0.729	0.75	65.8	−21.0	−9.4	23.0	204.2	0.411	0.708	0.727	65.6	−21.2	−9.4	23.2	204.0	0.2	212	0.0	0.958	1.0	83.9	−42.0	−18.9	46.1	204.2
222	G50B_075_050$_{de}$	0.25	0.75	0.75	0.75	0.5	0.5	210	0.25	0.695	0.75	63.3	−17.1	−12.8	21.4	216.9	0.408	0.674	0.726	63.2	−17.3	−12.9	21.6	216.8	0.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
223	G59B_087_062$_{de}$	0.25	0.75	0.875	0.875	0.625	0.562	221	0.25	0.776	0.875	71.1	−18.1	−19.5	26.6	227.0	0.431	0.765	0.863	71.0	−18.3	−19.6	26.8	226.9	0.2	218	0.0	0.842	1.0	75.6	−29.1	−31.2	42.6	227.0
224	G65B_100_075$_{de}$	0.25	0.75	1.0	1.0	0.75	0.625	229	0.25	0.856	1.0	78.8	−18.9	−26.3	32.4	234.3	0.453	0.857	1.0	78.7	−19.3	−25.7	32.2	233.0	0.7	220	0.0	0.808	1.0	73.3	−25.2	−35.1	43.2	234.3
225	Y73G_087_087$_{de}$	0.25	0.875	0.0	0.875	0.875	0.437	134	0.0	0.875	0.335	73.5	−67.9	50.0	84.3	143.5	0.079	0.861	0.336	73.4	−68.2	50.1	84.6	143.6	0.3	172	0.0	1.0	0.383	84.0	−77.6	57.2	96.4	143.5
226	Y85G_087_075$_{de}$	0.25	0.875	0.125	0.875	0.75	0.5	141	0.125	0.875	0.539	75.3	−53.8	28.9	61.1	151.7	0.309	0.864	0.538	75.2	−54.1	28.7	61.2	152.0	0.3	183	0.0	1.0	0.553	84.5	−71.8	38.6	81.5	151.7
227	G00B_087_062$_{de}$	0.25	0.875	0.25	0.875	0.625	0.562	150	0.25	0.875	0.691	77.0	−40.4	12.9	42.4	162.2	0.436	0.866	0.681	76.9	−40.7	13.0	42.7	162.2	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
228	G09B_087_062$_{de}$	0.25	0.875	0.375	0.875	0.625	0.562	161	0.25	0.875	0.757	77.4	−36.7	4.9	37.0	172.2	0.44	0.865	0.747	77.3	−36.9	5.0	37.2	172.2	0.1	199	0.0	1.0	0.812	85.7	−58.7	7.9	59.3	172.2
229	G19B_087_062$_{de}$	0.25	0.875	0.5	0.875	0.625	0.562	173	0.25	0.875	0.816	77.7	−33.0	−1.8	33.1	183.2	0.444	0.865	0.804	77.6	−33.3	−1.9	33.3	183.2	0.2	205	0.0	1.0	0.906	86.2	−52.8	−2.9	52.9	183.2
230	G30B_087_062$_{de}$	0.25	0.875	0.625	0.875	0.625	0.562	187	0.25	0.875	0.873	78.1	−29.0	−8.3	30.1	195.9	0.457	0.863	0.858	78.0	−29.1	−8.3	30.3	195.9	0.1	209	0.0	1.0	0.997	86.8	−46.4	−13.2	48.2	195.9
231	G40B_087_062$_{de}$	0.25	0.875	0.75	0.875	0.625	0.562	199	0.25	0.839	0.875	75.6	−25.3	−12.8	28.4	206.9	0.44	0.829	0.864	75.5	−25.6	−12.9	28.6	206.7	0.3	212	0.0	0.943	1.0	82.8	−40.5	−20.5	45.4	206.9
232	G50B_087_062$_{de}$	0.25	0.875	0.875	0.875	0.625	0.562	210	0.25	0.806	0.875	73.2	−21.4	−16.1	26.8	216.9	0.44	0.795	0.862	73.1	−21.6	−16.2	27.0	216.8	0.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
233	G57B_100_075$_{de}$	0.25	0.875	1.0	1.0	0.75	0.625	219	0.25	0.887	1.0	81.0	−22.4	−22.6	31.9	225.1	0.463	0.889	1.0	80.9	−22.7	−22.3	31.8	224.3	0.4	217	0.0	0.85	1.0	76.2	−29.9	−30.1	42.5	225.1
234	Y76G_100_100$_{de}$	0.25	1.0	0.0	1.0	1.0	0.5	136	0.0	1.0	0.436	84.1	−76.0	51.4	91.8	145.9	0.0	1.0	0.439	84.1	−75.8	51.4	91.6	145.8	0.1	175	0.0	1.0	0.436	84.1	−76.0	51.4	91.8	145.9
235	Y86G_100_087$_{de}$	0.25	1.0	0.125	1.0	0.875	0.562	142	0.125	1.0	0.626	85.9	−62.1	31.7	69.7	152.9	0.323	1.0	0.623	85.5	−62.1	32.0	69.9	152.7	0.4	184	0.0	1.0	0.573	84.6	−70.9	36.3	79.7	152.9
236	G00B_100_075$_{de}$	0.25	1.0	0.25	1.0	0.75	0.625	150	0.25	1.0	0.779	87.7	−48.5	15.5	50.9	162.2	0.467	1.0	0.78	87.2	−48.0	14.9	50.2	162.6	0.8	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
237	G07B_100_075$_{de}$	0.25	1.0	0.375	1.0	0.75	0.625	159	0.25	1.0	0.846	88.0	−44.8	7.5	45.4	170.4	0.468	1.0	0.848	87.6	−44.3	6.9	44.8	171.0	0.8	198	0.0	1.0	0.795	85.6	−59.7	10.0	60.6	170.4
238	G15B_100_075$_{de}$	0.25	1.0	0.5	1.0	0.75	0.625	169	0.25	1.0	0.91	88.4	−40.7	0.3	40.7	179.5	0.479	1.0	0.909	88.0	−40.3	−0.1	40.3	180.2	0.7	203	0.0	1.0	0.88	86.0	−54.3	0.4	54.3	179.5
239	G25B_100_075$_{de}$	0.25	1.0	0.625	1.0	0.75	0.625	180	0.25	1.0	0.963	88.7	−37.4	−6.3	37.9	189.6	0.478	1.0	0.966	88.4	−36.9	−6.8	37.6	190.4	0.7	207	0.0	1.0	0.951	86.5	−49.9	−8.4	50.6	189.6
240	G34B_100_075$_{de}$	0.25	1.0	0.75	1.0	0.75	0.625	191	0.25	0.986	1.0	88.0	−33.4	−11.9	35.4	199.6	0.484	0.99	1.0	88.0	−33.5	−11.6	35.5	199.0	0.3	210	0.0	0.982	1.0	85.6	−44.5	−15.8	47.3	199.6
241	G42B_100_075$_{de}$	0.25	1.0	0.875	1.0	0.75	0.625	201	0.25	0.95	1.0	85.4	−29.5	−16.2	33.7	208.7	0.469	0.953	1.0	85.4	−30.0	−15.5	33.8	207.3	0.8	213	0.0	0.933	1.0	82.1	−39.4	−21.6	44.9	208.7
242	G50B_100_075$_{de}$	0.25	1.0	1.0	1.0	0.75	0.625	210	0.25	0.917	1.0	83.1	−25.6	−19.3	32.1	216.9	0.471	0.919	1.0	83.1	−26.0	−19.0	32.2	216.2	0.4	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9

delta *E' = 0.5**

3−1131730−F0

QF520−7N, 18/29−F

graphique TUB-QF52; code de teinte: H^*_e=Y50G_e
couleurs et différences, $\Delta E'^*$

entrée : *rgb/cmyk* −> *rgb*$_{de}$
sortie : linéarisation 3D selon *rgb**$_{de}$

voir fichiers similaires: http://130.149.60.45/~farbmetrik/QF52/QF52.HTM
informations techniques: http://www.ps.bam.de ou http://130.149.60.45/~farbmetrik

3−1131730−F0

QF52 11S

http://130.149.60.45/~farbmetrik/QF52/QF52L0FP.PDF /.PS; linéarisation 3D
F: linéarisation 3D QF52/QF52LF30FP.DAT dans fichier (F), páge 19/29

TUB enregistrement: 20130201-QF52/QF52L0FP.PDF /.PS
application pour la mesure de sortie sur ècran, aucune séparation

TUB matériel: code=rha4ta

n	HIC*$_{Fde}$	rgb_$_{Fde}$			ict_$_{Fde}$			$h_{si\_F,de}$	rgb*$_{Fde}$			LabCh*$_{Fde}$					rgb'*$_{Fde}$			LabCh'*$_{Fde}$					DE'*$_{Fde}$	$h_{siM,de}$	rgb*$_{Mde}$			LabCh*$_{Mde}$				
243	R00Y_037_037$_{de}$	0.375	0.0	0.0	0.375	0.375	0.187	390	0.375	0.0	0.098	19.0	29.3	13.9	32.5	25.4	0.363	0.092	0.113	18.7	30.3	14.0	33.4	24.7	1.0	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
244	R18Y_037_037$_{de}$	0.375	0.0	0.125	0.375	0.375	0.187	371	0.375	0.0	0.182	19.4	30.4	2.2	30.5	4.3	0.358	0.096	0.188	19.1	31.2	1.6	31.2	2.9	1.0	360	1.0	0.0	0.486	51.9	81.1	6.1	81.3	4.3
245	B65R_037_037$_{de}$	0.375	0.0	0.25	0.375	0.375	0.187	349	0.375	0.0	0.257	20.1	32.0	−7.6	32.9	346.6	0.358	0.098	0.252	19.8	33.0	−8.2	34.0	346.0	1.1	347	1.0	0.0	0.686	53.6	85.5	−20.3	87.9	346.6
246	B50R_037_037$_{de}$	0.375	0.0	0.375	0.375	0.375	0.187	330	0.375	0.0	0.371	21.4	35.3	−21.5	41.3	328.6	0.355	0.106	0.35	21.1	35.8	−22.2	42.2	328.2	0.9	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
247	B38R_050_050$_{de}$	0.375	0.0	0.5	0.5	0.5	0.25	316	0.319	0.0	0.5	21.6	41.4	−40.9	58.2	315.3	0.317	0.085	0.473	21.1	42.4	−42.1	59.8	315.2	1.6	309	0.638	0.0	1.0	43.2	82.9	−81.9	116.5	315.3
248	B30R_062_062$_{de}$	0.375	0.0	0.625	0.625	0.625	0.312	307	0.091	0.0	0.625	19.5	47.7	−63.7	79.6	306.8	0.166	0.055	0.596	18.9	48.7	−64.6	80.9	306.9	1.4	277	0.145	0.0	1.0	31.2	76.3	−102.0	127.4	306.8
249	B25R_075_075$_{de}$	0.375	0.0	0.75	0.75	0.75	0.375	300	0.0	0.202	0.75	28.6	39.5	−68.0	78.7	300.1	0.12	0.206	0.727	28.3	39.9	−68.4	79.2	300.2	0.6	254	0.0	0.27	1.0	38.2	52.7	−90.7	104.9	300.1
250	B20R_087_087$_{de}$	0.375	0.0	0.875	0.875	0.875	0.437	295	0.0	0.318	0.875	37.8	34.2	−72.0	79.7	295.4	0.061	0.318	0.861	37.6	34.0	−72.3	79.9	295.2	0.3	248	0.0	0.364	1.0	43.2	39.1	−82.3	91.1	295.4
251	B18R_100_100$_{de}$	0.375	0.0	1.0	1.0	1.0	0.5	292	0.0	0.404	1.0	45.7	32.7	−78.6	85.1	292.5	0.0	0.407	1.0	45.8	32.6	−78.0	84.5	292.7	0.6	246	0.0	0.404	1.0	45.7	32.7	−78.6	85.1	292.5
252	R31Y_037_037$_{de}$	0.375	0.125	0.0	0.375	0.375	0.187	49	0.375	0.108	0.0	20.7	23.6	25.0	34.4	46.6	0.364	0.138	0.042	20.6	23.8	26.4	35.6	47.8	1.3	46	1.0	0.29	0.0	55.4	63.0	66.8	91.8	46.6
253	R00Y_037_025$_{de}$	0.375	0.125	0.125	0.375	0.25	0.25	390	0.375	0.124	0.19	24.6	19.5	9.3	21.6	25.4	0.368	0.189	0.189	24.3	19.8	8.9	21.7	24.2	0.5	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
254	R00Y_037_025$_{de}$	0.375	0.125	0.25	0.375	0.25	0.25	360	0.375	0.124	0.279	25.1	20.9	−2.9	21.1	352.0	0.361	0.193	0.27	24.8	21.3	−3.5	21.6	350.6	0.7	352	1.0	0.0	0.617	52.9	83.6	−11.6	84.4	352.0
255	B50R_037_025$_{de}$	0.375	0.125	0.375	0.375	0.25	0.25	330	0.375	0.124	0.372	26.2	23.5	−14.3	27.5	328.6	0.357	0.199	0.351	25.9	23.9	−15.0	28.2	327.7	0.8	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
256	B34R_050_037$_{de}$	0.375	0.125	0.5	0.5	0.375	0.312	311	0.291	0.124	0.5	25.8	29.6	−34.5	45.5	310.5	0.313	0.185	0.476	25.4	30.0	−35.5	46.5	310.2	1.1	296	0.444	0.0	1.0	37.0	79.0	−92.2	121.5	310.5
257	B25R_062_050$_{de}$	0.375	0.125	0.625	0.625	0.5	0.375	300	0.125	0.26	0.625	31.0	26.3	−45.3	52.4	300.1	0.276	0.258	0.599	30.9	26.0	−45.4	52.3	299.8	0.3	254	0.0	0.27	1.0	38.2	52.7	−90.7	104.9	300.1
258	B19R_075_062$_{de}$	0.375	0.125	0.75	0.75	0.625	0.437	293	0.125	0.37	0.75	40.0	21.7	−49.8	54.3	293.5	0.289	0.36	0.729	39.9	21.3	−49.8	54.2	293.1	0.3	247	0.0	0.392	1.0	44.9	34.7	−79.7	86.9	293.5
259	B15R_087_075$_{de}$	0.375	0.125	0.875	0.875	0.75	0.5	289	0.125	0.455	0.875	47.9	20.2	−56.2	59.8	289.7	0.296	0.448	0.866	47.8	19.7	−56.3	59.6	289.3	0.4	243	0.0	0.44	1.0	47.9	26.9	−75.0	79.7	289.7
260	B13R_100_087$_{de}$	0.375	0.125	1.0	1.0	0.875	0.562	286	0.125	0.541	1.0	55.9	18.9	−62.2	65.0	286.9	0.307	0.537	1.0	55.8	18.1	−61.7	64.3	286.3	0.9	241	0.0	0.476	1.0	50.2	21.6	−71.1	74.3	286.9
261	R68Y_037_037$_{de}$	0.375	0.25	0.0	0.375	0.375	0.187	71	0.375	0.234	0.0	26.3	9.6	28.1	29.7	71.1	0.358	0.232	0.067	26.1	9.6	29.2	30.7	71.7	1.0	68	1.0	0.626	0.0	70.1	25.6	75.1	79.3	71.1
262	R50Y_037_025$_{de}$	0.375	0.25	0.125	0.375	0.25	0.25	60	0.375	0.246	0.124	27.7	10.6	17.7	20.6	58.8	0.367	0.245	0.161	27.6	10.5	17.8	20.7	59.3	0.1	59	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8
263	R00Y_037_012$_{de}$	0.375	0.25	0.25	0.375	0.125	0.312	390	0.375	0.249	0.282	30.2	9.7	4.6	10.8	25.4	0.366	0.273	0.268	30.1	9.6	4.5	10.6	25.2	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
264	B50R_037_012$_{de}$	0.375	0.25	0.375	0.375	0.125	0.312	330	0.375	0.249	0.373	31.0	11.7	−7.1	13.7	328.6	0.355	0.279	0.351	30.9	11.5	−7.4	13.7	326.9	0.4	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
265	B25R_050_025$_{de}$	0.375	0.25	0.5	0.5	0.25	0.375	300	0.249	0.317	0.5	33.4	13.1	−22.6	26.2	300.1	0.327	0.304	0.476	33.2	12.7	−23.1	26.4	298.8	0.6	254	0.0	0.27	1.0	38.2	52.7	−90.7	104.9	300.1
266	B15R_062_037$_{de}$	0.375	0.25	0.625	0.625	0.375	0.437	289	0.25	0.415	0.625	41.8	10.1	−28.1	29.9	289.7	0.362	0.398	0.6	41.8	9.6	−28.0	29.6	288.9	0.4	243	0.0	0.44	1.0	47.9	26.9	−75.0	79.7	289.7
267	B11R_075_050$_{de}$	0.375	0.25	0.75	0.75	0.5	0.5	284	0.25	0.5	0.75	49.7	9.1	−34.1	35.3	285.0	0.399	0.483	0.728	49.7	8.6	−33.9	35.0	284.3	0.5	239	0.0	0.5	1.0	51.8	18.3	−68.3	70.7	285.0
268	B09R_087_062$_{de}$	0.375	0.25	0.875	0.875	0.625	0.562	281	0.25	0.577	0.875	57.2	8.9	−41.3	42.3	282.1	0.423	0.563	0.866	57.1	8.6	−41.4	42.3	281.8	0.2	238	0.0	0.523	1.0	53.3	14.2	−66.1	67.7	282.1
269	B07R_100_075$_{de}$	0.375	0.25	1.0	1.0	0.75	0.625	279	0.25	0.654	1.0	64.6	8.7	−48.4	49.2	280.2	0.447	0.646	1.0	64.4	8.2	−47.8	48.5	279.8	0.8	237	0.0	0.539	1.0	54.4	11.7	−64.6	65.6	280.2
270	Y00G_037_037$_{de}$	0.375	0.375	0.0	0.375	0.375	0.187	90	0.375	0.321	0.0	31.3	−1.2	31.6	31.7	92.3	0.354	0.305	0.081	31.3	−1.7	32.6	32.6	93.0	1.0	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
271	Y00G_037_025$_{de}$	0.375	0.375	0.125	0.375	0.25	0.25	90	0.375	0.339	0.124	32.8	−0.8	21.1	21.1	92.3	0.357	0.319	0.18	32.7	−1.4	21.3	21.3	93.7	0.6	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
272	Y00G_037_012$_{de}$	0.375	0.375	0.25	0.375	0.125	0.312	90	0.375	0.357	0.249	34.3	−0.4	10.5	10.5	92.3	0.356	0.334	0.267	34.2	−0.8	10.4	10.4	94.5	0.4	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
273	NW_037$_{de}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	35.7	0.0	0.0	0.0	0.0	0.345	0.35	0.35	35.7	−0.4	−0.2	0.5	205.6	0.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
274	B00R_050_012$_{de}$	0.375	0.375	0.5	0.5	0.125	0.437	270	0.375	0.451	0.5	43.1	0.2	−7.0	7.0	271.7	0.396	0.426	0.472	43.2	−0.2	−7.2	7.2	268.3	0.4	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
275	B00R_062_025$_{de}$	0.375	0.375	0.625	0.625	0.25	0.5	270	0.375	0.527	0.625	50.5	0.4	−14.1	14.1	271.7	0.445	0.504	0.597	50.6	0.0	−14.0	14.0	270.1	0.4	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
276	B00R_075_037$_{de}$	0.375	0.375	0.75	0.75	0.375	0.562	270	0.375	0.603	0.75	57.9	0.6	−21.2	21.2	271.7	0.487	0.582	0.728	57.9	0.4	−21.2	21.2	271.3	0.1	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
277	B00R_087_050$_{de}$	0.375	0.375	0.875	0.875	0.5	0.625	270	0.375	0.679	0.875	65.4	0.8	−28.3	28.3	271.7	0.527	0.664	0.864	65.2	0.8	−28.4	28.4	271.6	0.2	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
278	B00R_100_062$_{de}$	0.375	0.375	1.0	1.0	0.625	0.687	270	0.375	0.755	1.0	72.8	1.0	−35.3	35.3	271.7	0.564	0.748	1.0	72.6	0.7	−34.9	34.9	271.2	0.5	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
279	Y23G_050_050$_{de}$	0.375	0.5	0.0	0.5	0.5	0.25	104	0.453	0.5	0.0	45.5	−14.9	44.4	46.9	108.6	0.432	0.47	0.099	45.5	−15.4	45.1	47.7	108.8	0.8	94	0.906	1.0	0.0	91.0	−29.9	88.9	93.8	108.6
280	Y31G_050_037$_{de}$	0.375	0.5	0.125	0.5	0.375	0.312	109	0.427	0.5	0.124	45.4	−14.8	32.6	35.8	114.4	0.416	0.471	0.209	45.4	−15.4	33.1	36.5	114.9	0.7	100	0.806	1.0	0.0	89.4	−39.5	87.0	95.6	114.4
281	Y50G_050_025$_{de}$	0.375	0.5	0.25	0.5	0.25	0.375	120	0.382	0.5	0.249	45.3	−15.7	20.7	26.0	127.2	0.384	0.474	0.299	45.4	−16.2	20.8	26.4	127.9	0.5	118	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2
282	G00B_050_012$_{de}$	0.375	0.5	0.375	0.5	0.125	0.437	150	0.375	0.5	0.463	46.4	−8.0	2.5	8.4	162.2	0.399	0.474	0.438	46.4	−8.5	2.4	8.9	163.9	0.5	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
283	G50B_050_012$_{de}$	0.375	0.5	0.5	0.5	0.125	0.437	210	0.375	0.486	0.5	45.6	−4.2	−3.2	5.3	216.9	0.4	0.459	0.471	45.7	−4.7	−3.3	5.8	215.5	0.4	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
284	G75B_062_025$_{de}$	0.375	0.5	0.625	0.625	0.25	0.5	240	0.375	0.565	0.625	53.2	−4.7	−9.9	10.9	244.3	0.445	0.541	0.595	53.2	−5.2	−9.8	11.1	242.0	0.4	223	0.0	0.763	1.0	70.0	−19.0	−39.6	43.9	244.3
285	G84B_075_037$_{de}$	0.375	0.5	0.75	0.75	0.375	0.562	251	0.375	0.641	0.75	60.6	−4.7	−17.1	17.8	254.3	0.489	0.62	0.728	60.5	−4.6	−17.2	17.8	254.7	0.1	226	0.0	0.71	1.0	66.3	−12.7	−45.7	47.4	254.3
286	G88B_087_050$_{de}$	0.375	0.5	0.875	0.875	0.5	0.625	256	0.375	0.717	0.875	68.0	−4.7	−24.3	24.7	258.9	0.524	0.704	0.865	67.9	−4.7	−24.4	24.9	258.9	0.1	227	0.0	0.685	1.0	64.5	−9.4	−48.6	49.5	258.9
287	G90B_100_062$_{de}$	0.375	0.5	1.0	1.0	0.625	0.687	259	0.375	0.793	1.0	75.4	−4.5	−31.4	31.7	261.6	0.558	0.79	1.0	75.2	−5.1	−30.9	31.3	260.5	0.7	228	0.0	0.67	1.0	63.4	−7.3	−50.3	50.8	261.6
288	Y38G_062_062$_{de}$	0.375	0.625	0.0	0.625	0.625	0.312	113	0.449	0.625	0.0	55.0	−29.7	53.4	61.1	119.1	0.439	0.594	0.096	54.9	−29.9	53.9	61.6	119.0	0.5	105	0.719	1.0	0.0	88.1	−47.6	85.4	97.8	119.1
289	Y50G_062_050$_{de}$	0.375	0.625	0.125	0.625	0.5	0.375	120	0.389	0.625	0.125	54.9	−31.5	41.4	52.0	127.2	0.402	0.597	0.226	54.8	−31.7	41.6	52.3	127.3	0.2	118	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2
290	Y68G_062_037$_{de}$	0.375	0.625	0.25	0.625	0.375	0.437	131	0.25	0.625	0.352	55.2	−30.0	25.1	39.1	140.0	0.377	0.6	0.363	55.2	−30.0	25.0	39.0	140.1	0.1	165	0.0	1.0	0.273	83.8	−80.1	67.0	104.4	140.0
291	G00B_062_025$_{de}$	0.375	0.625	0.375	0.625	0.25	0.5	150	0.375	0.625	0.551	57.0	−16.1	5.1	16.9	162.2	0.449	0.599	0.529	56.9	−16.2	4.8	16.9	163.4	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
292	G25B_062_025$_{de}$	0.375	0.625	0.5	0.625	0.25	0.5	180	0.375	0.625	0.612	57.4	−12.4	−2.1	12.6	189.6	0.453	0.597	0.584	57.2	−12.8	−2.2	13.0	189.9	0.4	207	0.0	1.0	0.951	86.5	−49.9	−8.4	50.6	189.6
293	G50B_062_025$_{de}$	0.375	0.625	0.625	0.625	0.25	0.5	210	0.375	0.597	0.625	55.5	−8.5	−6.4	10.7	216.9	0.449	0.571	0.595	55.4	−9.0	−6.4	11.1	215.6	0.4	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
294	G65B_075_037$_{de}$	0.375	0.625	0.75	0.75	0.375	0.562	229	0.375	0.678	0.75	63.2	−9.4	−13.1	16.2	234.3	0.492	0.658	0.727	63.1	−9.4	−13.1	16.2	234.1	0.0	220	0.0	0.808	1.0	73.3	−25.2	−35.1	43.2	234.3
295	G75B_087_050$_{de}$	0.375	0.625	0.875	0.875	0.5	0.625	240	0.375	0.756	0.875	70.8	−9.5	−19.8	21.9	244.3	0.534	0.744	0.862	70.6	−9.4	−19.8	22.0	244.4	0.1	223	0.0	0.763	1.0	70.0	−19.0	−39.6	43.9	244.3
296	G80B_100_062$_{de}$	0.375	0.625	1.0	1.0	0.625	0.687	247	0.375	0.831	1.0	78.1	−9.4	−27.0	28.6	250.7	0.564	0.829	1.0	77.9	−9.8	−26.7	28.5	249.8	0.5	225	0.0	0.73	1.0	67.7	−15.1	−43.2	45.7	250.7
297	Y50G_075_075$_{de}$	0.375	0.75	0.0	0.75	0.75	0.375	120	0.396	0.75	0.0	64.4	−47.2	62.1	78.0	127.2	0.4	0.725	0.08	64.3	−47.4	62.6	78.5	127.1	0.5	118	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2
298	Y61G_075_062$_{de}$	0.375	0.75	0.125	0.75	0.625	0.437	127	0.207	0.75	0.125	64.2	−50.8	50.0	71.3	135.4	0.322	0.729	0.241	64.1	−51.0	50.0	71.4	135.6	0.3	142	0.132	1.0	0.0	83.7	−81.2	80.1	114.1	135.4
299	Y76G_075_050$_{de}$	0.375	0.75	0.25	0.75	0.5	0.5	136	0.25	0.75	0.468	65.9	−38.0	25.7	45.9	145.9	0.407	0.731	0.467	65.8	−38.1	25.4	45.8	146.2	0.3	175	0.0	1.0	0.436	84.1	−76.0	51.4	91.8	145.9
300	G00B_075_037$_{de}$	0.375	0.75	0.375	0.75	0.375	0.562	150	0.375	0.75	0.639	67.7	−24.2	7.7	25.4	162.2	0.499	0.731	0.62	67.6	−24.1	7.8	25.4	161.9	0.1	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
301	G15B_075_037$_{de}$	0.375	0.75	0.5	0.75	0.375	0.562	169	0.375	0.75	0.705	68.0	−20.3	0.1	20.3	179.5	0.504	0.729	0.681	67.9	−20.4	0.2	20.4	179.4	0.1	203	0.0	1.0	0.88	86.0	−54.3	0.4	54.3	179.5
302	G34B_075_037$_{de}$	0.375	0.75	0.625	0.75	0.375	0.562	191	0.375	0.743	0.75	67.8	−16.7	−5.9	17.7	199.6	0.508	0.721	0.725	67.7	−16.7	−5.9	17.7	199.5	0.1	210	0.0	0.982	1.0	85.6	−44.5	−15.8	47.3	199.6
303	G50B_075_037$_{de}$	0.375	0.75	0.75	0.75	0.375	0.562	210	0.375	0.708	0.75	65.4	−12.8	−9.6	16.0	216.9	0.501	0.687	0.725	65.3	−12.8	−9.6	16.0	216.8	0.1	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
304	G61B_087_050$_{de}$	0.375	0.75	0.875	0.875	0.5	0.625	224	0.375	0.789	0.875	73.1	−13.8	−16.3	21.4	229.7	0.533	0.778	0.863	73.0	−13.9	−16.4	21.5	229.6	0.1	219	0.0	0.829	1.0	74.7	−27.7	−32.7	42.8	229.7
305	G69B_100_062$_{de}$	0.375	0.75	1.0	1.0	0.625	0.687	233	0.375	0.87	1.0	80.8	−14.4	−23.0	27.1	237.9	0.567	0.87	1.0	80.7	−14.8	−22.5	27.0	236.6	0.6	221	0.0	0.792	1.0	72.1	−23.0	−36.8	43.4	237.9
306	Y58G_087_087$_{de}$	0.375	0.875	0.0	0.875	0.875	0.437	125	0.27	0.875	0.0	73.8	−66.2	70.7	96.9	133.0	0.285	0.86	0.049	73.8	−66.5	71.1	97.4	133.0	0.4	132	0.309	1.0	0.0	84.4	−75.7	80.9	110.8	133.0
307	Y68G_087_075$_{de}$	0.375	0.875	0.125	0.875	0.75	0.5	131	0.125	0.875	0.329	74.8	−60.1	50.2	78.3	140.0	0.32	0.865	0.351	74.7	−60.3	50.2	78.5	140.2	0.2	165	0.0	1.0	0.273	83.8	−80.1	67.0	104.4	140.0
308	Y81G_087_062$_{de}$	0.375	0.875	0.25	0.875	0.625	0.562	139	0.25	0.875	0.57	76.5	−45.8	27.1	53.2	149.4	0.438	0.867	0.566	76.5	−46.1	27.0	53.4	149.5	0.2	180	0.0	1.0	0.513	84.3	−73.3	43.3	85.2	149.4
309	G00B_087_050$_{de}$	0.375	0.875	0.375	0.875	0.5	0.625	150	0.375	0.875	0.728	78.3	−32.3	10.3	33.9	162.2	0.539	0.867	0.716	78.2	−32.5	10.4	34.1	162.1	0.2	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
310	G11B_087_050$_{de}$	0.375	0.875	0.5	0.875	0.5	0.625	164	0.375	0.875	0.794	78.7	−28.5	2.4	28.6	175.0	0.543	0.866	0.782	78.6	−28.7	2.4	28.8	175.0	0.1	201	0.0	1.0	0.838	85.8	−57.1	4.9	57.3	175.0
311	G25B_087_050$_{de}$	0.375	0.875	0.625	0.875	0.5	0.625	180	0.375	0.875	0.85	79.0	−24.9	−4.2	25.3	189.6	0.548	0.865	0.838	78.9	−25.1	−4.2	25.5	189.5	0.2	207	0.0	1.0	0.951	86.5	−49.9	−8.4	50.6	189.6
312	G38B_087_050$_{de}$	0.375	0.875	0.75	0.875	0.5	0.625	196	0.375	0.854	0.875	77.7	−21.0	−9.4	23.0	204.2	0.546	0.843	0.863	77.6	−21.2	−9.4	23.2	204.0	0.2	212	0.0	0.958	1.0	83.9	−42.0	−18.9	46.1	204.2
313	G50B_087_050$_{de}$	0.375	0.875	0.875	0.875	0.5	0.625	210	0.375	0.82	0.875	75.3	−17.1	−12.8	21.4	216.9	0.542	0.809	0.862	75.2	−17.3	−12.9	21.6	216.8	0.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
314	G59B_100_062$_{de}$	0.375	0.875	1.0	1.0	0.625	0.687	221	0.375	0.901	1.0	83.0	−18.1	−19.5	26.6	227.0	0.572	0.903	1.0	82.9	−18.6	−19.1	26.7	225.8	0.5	218	0.0	0.842	1.0	75.6	−29.1	−31.2	42.6	227.0
315	Y63G_100_100$_{de}$	0.375	1.0	0.0	1.0	1.0	0.5	128	0.0	1.0	0.072	83.6	−82.4	77.9	113.4	136.5	0.005	1.0	0.072	83.6	−82.3	78.4	113.7	136.4	0.4	153	0.0	1.0	0.072	83.6	−82.4	77.9	113.4	136.5
316	Y73G_100_087$_{de}$	0.375	1.0	0.125	1.0	0.875	0.562	134	0.125	1.0	0.46	85.4	−67.9	50.0	84.3	143.5	0.329	1.0	0.468	85.1	−67.7	49.6	83.9	143.7	0.6	172	0.0	1.0	0.383	84.0	−77.6	57.2	96.4	143.5
317	Y85G_100_075$_{de}$	0.375	1.0	0.25	1.0	0.75	0.625	141	0.25	1.0	0.664	87.2	−53.8	28.9	61.1	151.7	0.467	1.0	0.666	86.7	−53.3	28.4	60.4	151.9	0.9	183	0.0	1.0	0.553	84.5	−71.8	38.6	81.5	151.7
318	G00B_100_062$_{de}$	0.375	1.0	0.375	1.0	0.625	0.687	150	0.375	1.0	0.816	88.9	−40.4	12.9	42.4	162.2	0.576	1.0	0.816	88.4	−39.8	12.1	41.6	162.9	1.1	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
319	G09B_100_062$_{de}$	0.375	1.0	0.5	1.0	0.625	0.687	161	0.375	1.0	0.882	89.3	−36.7	4.9	37.0	172.2	0.581	1.0	0.874	88.7	−36.5	5.4	36.9	171.5	0.7	199	0.0	1.0	0.812	85.7	−58.7	7.9	59.3	172.2
320	G19B_100_062$_{de}$	0.375	1.0	0.625	1.0	0.625	0.687	173	0.375	1.0	0.941	89.6	−33.0	−1.8	33.1	183.2	0.586	1.0	0.942	89.2	−32.6	−2.5	32.7	184.4	0.9	205	0.0	1.0	0.906	86.2	−52.8	−2.9	52.9	183.2
321	G30B_100_062$_{de}$	0.375	1.0	0.75	1.0	0.625	0.687	187	0.375	1.0	0.998	90.0	−29.0	−8.3	30.1	195.9	0.6	1.0	0.998	89.7	−28.6	−8.8	29.9	197.1	0.7	209	0.0	1.0	0.997	86.8	−46.4	−13.2	48.2	195.9
322	G40B_100_062$_{de}$	0.375	1.0	0.875	1.0	0.625	0.687	199	0.375	0.964	1.0	87.5	−25.3	−12.8	28.4	206.9	0.583	0.968	1.0	87.4	−25.8	−12.3	28.6	205.5	0.7	212	0.0	0.943	1.0	82.8	−40.5	−20.5	45.4	206.9
323	G50B_100_062$_{de}$	0.375	1.0	1.0	1.0	0.625	0.687	210	0.375	0.931	1.0	85.2	−21.4	−16.1	26.8	216.9	0.581	0.933	1.0	85.1	−21.8	−15.9	27.0	216.1	0.4	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9

delta E'* = 0.5

3−1131830−F0

QF520−7N, 19/29−F

graphique TUB-QF52; code de teinte: H*$_e$=Y50G$_e$
couleurs et différences, ΔE'*

entrée : *rgb/cmyk* −> *rgb*$_{de}$
sortie : linéarisation 3D selon *rgb**$_{de}$

voir fichiers similaires: http://130.149.60.45/~farbmetrik/QF52/QF52.HTM
informations techniques: http://www.ps.bam.de ou http://130.149.60.45/~farbmetrik

QF52$_{11S}$

TUB enregistrement: 20130201-QF52/QF52L0FP.PDF /.PS
application pour la mesure de sortie sur ècran, aucune séparation

TUB matériel: code=rha4ta

http://130.149.60.45/~farbmetrik/QF52/QF52L0FP.PDF /.PS; linéarisation 3D
F: linéarisation 3D QF52/QF52LF30FP.DAT dans fichier (F), page 20/29

n	HIC^*_{Fde}	$rgb_{\_Fde}$			$ict_{\_Fde}$			$h_{si\_F,de}$	rgb^*_{Fde}			$LabCh^*_{Fde}$					rgb'^*_{Fde}			$LabCh'^*_{Fde}$					DE'^*_{Fde}	$h_{siM,de}$	rgb^*_{Mde}			$LabCh^*_{Mde}$				
324	R00Y_050_050$_{de}$	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.131	25.4	39.1	18.6	43.3	25.4	0.482	0.102	0.144	25.2	39.8	18.4	43.9	24.8	0.7	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
325	R26Y_050_050$_{de}$	0.5	0.0	0.125	0.5	0.5	0.25	376	0.5	0.0	0.214	25.8	40.2	7.0	40.8	9.8	0.48	0.104	0.218	25.6	40.9	6.7	41.4	9.3	0.7	364	1.0	0.0	0.429	51.6	80.5	14.0	81.7	9.8
326	R00Y_050_050$_{de}$	0.5	0.0	0.25	0.5	0.5	0.25	360	0.5	0.0	0.308	26.4	41.8	−5.8	42.2	352.0	0.476	0.11	0.304	26.3	42.2	−6.3	42.7	351.5	0.6	352	1.0	0.0	0.617	52.9	83.6	−11.6	84.4	352.0
327	B61R_050_050$_{de}$	0.5	0.0	0.375	0.5	0.5	0.25	344	0.5	0.0	0.373	27.0	43.3	−14.1	45.6	341.8	0.476	0.113	0.361	27.0	43.7	−14.5	46.1	341.6	0.5	344	1.0	0.0	0.747	54.1	86.7	−28.3	91.2	341.8
328	B50R_050_050$_{de}$	0.5	0.0	0.5	0.5	0.5	0.25	330	0.5	0.0	0.495	28.5	47.0	−28.7	55.1	328.6	0.475	0.121	0.469	28.5	47.2	−29.1	55.4	328.3	0.4	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
329	B40R_062_062$_{de}$	0.5	0.0	0.625	0.625	0.625	0.312	319	0.455	0.0	0.625	29.0	53.3	−47.7	71.5	318.1	0.446	0.093	0.596	28.7	53.9	−48.2	72.4	318.2	0.8	314	0.729	0.0	1.0	46.5	85.3	−76.3	114.5	318.1
330	B34R_075_075$_{de}$	0.5	0.0	0.75	0.75	0.75	0.375	311	0.333	0.0	0.75	27.8	59.3	−69.1	91.1	310.5	0.344	0.058	0.726	27.4	60.0	−69.7	92.0	310.7	1.0	296	0.444	0.0	1.0	37.0	79.0	−92.2	121.5	310.5
331	B29R_087_087$_{de}$	0.5	0.0	0.875	0.875	0.875	0.437	305	0.0	0.102	0.875	28.3	61.2	−87.7	107.0	304.9	0.093	0.112	0.861	28.0	61.5	−88.1	107.4	304.9	0.4	263	0.0	0.116	1.0	32.3	70.0	−100.3	122.3	304.9
332	B25R_100_100$_{de}$	0.5	0.0	1.0	1.0	1.0	0.5	300	0.0	0.27	1.0	38.2	52.7	−90.7	104.9	300.1	0.0	0.272	1.0	38.2	52.8	−90.5	104.8	300.2	0.2	254	0.0	0.27	1.0	38.2	52.7	−90.7	104.9	300.1
333	R23Y_050_050$_{de}$	0.5	0.125	0.0	0.5	0.5	0.25	44	0.5	0.051	0.0	25.6	37.2	32.4	49.3	41.0	0.484	0.119	0.039	25.6	37.5	33.6	50.4	41.8	1.2	35	1.0	0.102	0.0	51.3	74.4	64.8	98.7	41.0
334	R00Y_050_037$_{de}$	0.5	0.125	0.125	0.5	0.375	0.312	390	0.5	0.124	0.223	31.0	29.3	13.9	32.5	25.4	0.494	0.214	0.219	30.8	29.8	13.7	32.9	24.7	0.5	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
335	R18Y_050_037$_{de}$	0.5	0.125	0.25	0.5	0.375	0.312	371	0.5	0.124	0.307	31.4	30.4	2.2	30.5	4.3	0.487	0.217	0.298	31.2	30.8	1.8	30.9	3.3	0.6	360	1.0	0.0	0.486	51.9	81.1	6.1	81.3	4.3
336	B65R_050_037$_{de}$	0.5	0.125	0.375	0.5	0.375	0.312	349	0.5	0.124	0.382	32.0	32.0	−7.6	32.9	346.6	0.485	0.221	0.367	31.8	32.6	−8.0	33.6	346.0	0.7	347	1.0	0.0	0.686	53.6	85.5	−20.3	87.9	346.6
337	B50R_050_037$_{de}$	0.5	0.125	0.5	0.5	0.375	0.312	330	0.5	0.124	0.496	33.3	35.3	−21.5	41.3	328.6	0.481	0.229	0.471	33.2	35.6	−22.0	41.9	328.2	0.6	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
338	B38R_062_050$_{de}$	0.5	0.125	0.625	0.625	0.5	0.375	316	0.444	0.125	0.625	33.5	41.4	−40.9	58.2	315.3	0.448	0.216	0.598	33.2	41.8	−41.3	58.8	315.3	0.6	309	0.638	0.0	1.0	43.2	82.9	−81.9	116.5	315.3
339	B30R_075_062$_{de}$	0.5	0.125	0.75	0.75	0.625	0.437	307	0.216	0.125	0.75	31.4	47.7	−63.7	79.6	306.8	0.327	0.187	0.73	31.0	48.1	−64.3	80.4	306.8	0.8	277	0.145	0.0	1.0	31.2	76.3	−102.0	127.4	306.8
340	B25R_087_075$_{de}$	0.5	0.125	0.875	0.875	0.75	0.5	300	0.125	0.327	0.875	40.6	39.5	−68.0	78.7	300.1	0.313	0.321	0.865	40.3	39.5	−68.3	78.9	300.0	0.4	254	0.0	0.27	1.0	38.2	52.7	−90.7	104.9	300.1
341	B20R_100_087$_{de}$	0.5	0.125	1.0	1.0	0.875	0.562	295	0.125	0.443	1.0	49.7	34.2	−72.0	79.7	295.4	0.319	0.436	1.0	49.6	33.5	−71.7	79.1	295.1	0.7	248	0.0	0.364	1.0	43.2	39.1	−82.3	91.1	295.4
342	R50Y_050_050$_{de}$	0.5	0.25	0.0	0.5	0.5	0.25	60	0.5	0.243	0.0	31.5	21.3	35.4	41.3	58.8	0.48	0.247	0.061	31.5	21.4	36.4	42.2	59.4	0.9	59	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8
343	R31Y_050_037$_{de}$	0.5	0.25	0.125	0.5	0.375	0.312	49	0.5	0.233	0.124	32.7	23.6	25.0	34.4	46.6	0.496	0.253	0.159	32.7	23.6	25.3	34.6	46.9	0.2	46	1.0	0.29	0.0	55.4	63.0	66.8	91.8	46.6
344	R00Y_050_025$_{de}$	0.5	0.25	0.25	0.5	0.25	0.375	390	0.5	0.249	0.315	36.5	19.5	9.3	21.6	25.4	0.497	0.305	0.3	36.5	19.6	9.1	21.6	25.0	0.1	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
345	R00Y_050_025$_{de}$	0.5	0.25	0.375	0.5	0.25	0.375	360	0.5	0.249	0.404	37.0	20.9	−2.9	21.1	352.0	0.486	0.309	0.385	37.0	21.0	−3.2	21.3	351.2	0.3	352	1.0	0.0	0.617	52.9	83.6	−11.6	84.4	352.0
346	B50R_050_025$_{de}$	0.5	0.25	0.5	0.5	0.25	0.375	330	0.5	0.249	0.497	38.1	23.5	−14.3	27.5	328.6	0.482	0.316	0.472	38.0	23.6	−14.8	27.9	327.9	0.4	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
347	B34R_062_037$_{de}$	0.5	0.25	0.625	0.625	0.375	0.437	311	0.416	0.25	0.625	37.7	29.6	−34.5	45.5	310.5	0.44	0.302	0.6	37.5	29.5	−34.8	45.6	310.3	0.2	296	0.444	0.0	1.0	37.0	79.0	−92.2	121.5	310.5
348	B25R_075_050$_{de}$	0.5	0.25	0.75	0.75	0.5	0.5	300	0.25	0.385	0.75	42.9	26.3	−45.3	52.4	300.1	0.412	0.373	0.732	42.9	26.1	−45.1	52.2	300.0	0.3	254	0.0	0.27	1.0	38.2	52.7	−90.7	104.9	300.1
349	B19R_087_062$_{de}$	0.5	0.25	0.875	0.875	0.625	0.562	293	0.25	0.495	0.875	51.9	21.7	−49.8	54.3	293.5	0.432	0.48	0.866	51.8	21.3	−49.8	54.2	293.1	0.3	247	0.0	0.392	1.0	44.9	34.7	−79.7	86.9	293.5
350	B15R_100_075$_{de}$	0.5	0.25	1.0	1.0	0.75	0.625	289	0.25	0.58	1.0	59.8	20.2	−56.2	59.8	289.7	0.453	0.57	1.0	59.6	19.4	−55.5	58.8	289.3	1.0	243	0.0	0.44	1.0	47.9	26.9	−75.0	79.7	289.7
351	R76Y_050_050$_{de}$	0.5	0.375	0.0	0.5	0.5	0.25	76	0.5	0.342	0.0	36.7	9.1	38.8	39.9	76.7	0.476	0.33	0.072	36.6	9.1	39.7	40.7	77.0	0.8	72	1.0	0.684	0.0	73.5	18.3	77.7	79.8	76.7
352	R68Y_050_037$_{de}$	0.5	0.375	0.125	0.5	0.375	0.312	71	0.5	0.359	0.124	38.2	9.6	28.1	29.7	71.1	0.486	0.346	0.182	38.2	9.4	28.5	30.0	71.5	0.3	68	1.0	0.626	0.0	70.1	25.6	75.1	79.3	71.1
353	R50Y_050_025$_{de}$	0.5	0.375	0.25	0.5	0.25	0.375	60	0.5	0.371	0.249	39.6	10.6	17.7	20.6	58.8	0.494	0.359	0.271	39.6	10.6	17.6	20.6	58.9	0.0	59	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8
354	R00Y_050_012$_{de}$	0.5	0.375	0.375	0.5	0.125	0.437	390	0.5	0.375	0.407	42.1	9.7	4.6	10.8	25.4	0.491	0.39	0.384	42.2	9.7	4.5	10.7	25.2	0.1	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
355	B50R_050_012$_{de}$	0.5	0.375	0.5	0.5	0.125	0.437	330	0.5	0.375	0.498	42.9	11.7	−7.1	13.7	328.6	0.478	0.396	0.472	42.9	11.5	−7.3	13.7	327.3	0.2	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
356	B25R_062_025$_{de}$	0.5	0.375	0.625	0.625	0.25	0.5	300	0.375	0.442	0.625	45.3	13.1	−22.6	26.2	300.1	0.452	0.422	0.6	45.3	12.6	−22.6	25.9	299.2	0.5	254	0.0	0.27	1.0	38.2	52.7	−90.7	104.9	300.1
357	B15R_075_037$_{de}$	0.5	0.375	0.75	0.75	0.375	0.562	289	0.375	0.54	0.75	53.7	10.1	−28.1	29.9	289.7	0.491	0.52	0.731	53.8	9.7	−27.9	29.5	289.3	0.3	243	0.0	0.44	1.0	47.9	26.9	−75.0	79.7	289.7
358	B11R_087_050$_{de}$	0.5	0.375	0.875	0.875	0.5	0.625	284	0.375	0.625	0.875	61.6	9.1	−34.1	35.3	285.0	0.532	0.606	0.864	61.5	9.2	−34.2	35.4	285.0	0.1	239	0.0	0.5	1.0	51.8	18.3	−68.3	70.7	285.0
359	B09R_100_062$_{de}$	0.5	0.375	1.0	1.0	0.625	0.687	281	0.375	0.702	1.0	69.1	8.9	−41.3	42.3	282.1	0.562	0.691	1.0	68.9	8.3	−40.8	41.6	281.6	0.8	238	0.0	0.523	1.0	53.3	14.2	−66.1	67.7	282.1
360	Y00G_050_050$_{de}$	0.5	0.5	0.0	0.5	0.5	0.25	90	0.5	0.428	0.0	41.8	−1.7	42.2	42.2	92.3	0.476	0.408	0.088	41.9	−1.9	43.0	43.1	92.5	0.8	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
361	Y00G_050_037$_{de}$	0.5	0.5	0.125	0.5	0.375	0.312	90	0.5	0.446	0.124	43.3	−1.2	31.6	31.7	92.3	0.482	0.422	0.199	43.3	−1.6	32.2	32.2	92.9	0.6	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
362	Y00G_050_025$_{de}$	0.5	0.5	0.25	0.5	0.25	0.375	90	0.5	0.464	0.249	44.7	−0.8	21.1	21.1	92.3	0.483	0.437	0.294	44.8	−1.1	21.2	21.2	93.2	0.3	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
363	Y00G_050_012$_{de}$	0.5	0.5	0.375	0.5	0.125	0.437	90	0.5	0.482	0.375	46.2	−0.4	10.5	10.5	92.3	0.479	0.454	0.383	46.2	−0.6	10.4	10.5	93.7	0.2	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
364	NW_050$_{de}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	47.7	0.0	0.0	0.0	0.0	0.466	0.47	0.471	47.7	−0.3	−0.1	0.4	205.6	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
365	B00R_062_012$_{de}$	0.5	0.5	0.625	0.625	0.125	0.562	270	0.5	0.576	0.625	55.1	0.2	−7.0	7.0	271.7	0.52	0.548	0.595	55.0	0.0	−7.0	7.0	269.2	0.3	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
366	B00R_075_025$_{de}$	0.5	0.5	0.75	0.75	0.25	0.625	270	0.5	0.652	0.75	62.5	0.4	−14.1	14.1	271.7	0.57	0.628	0.728	62.3	0.4	−14.3	14.3	271.6	0.2	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
367	B00R_087_037$_{de}$	0.5	0.5	0.875	0.875	0.375	0.687	270	0.5	0.728	0.875	69.9	0.6	−21.2	21.2	271.7	0.616	0.711	0.864	69.7	0.5	−21.3	21.3	271.3	0.2	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
368	B00R_100_050$_{de}$	0.5	0.5	1.0	1.0	0.5	0.75	270	0.5	0.804	1.0	77.3	0.8	−28.3	28.3	271.7	0.66	0.797	1.0	77.1	0.3	−27.9	27.9	270.8	0.6	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
369	Y18G_062_062$_{de}$	0.5	0.625	0.0	0.625	0.625	0.312	101	0.602	0.625	0.0	57.5	−15.2	56.3	58.3	105.1	0.576	0.593	0.099	57.3	−15.4	56.7	58.7	105.2	0.4	91	0.963	1.0	0.0	92.0	−24.3	90.1	93.3	105.1
370	Y23G_062_050$_{de}$	0.5	0.625	0.125	0.625	0.5	0.375	104	0.578	0.625	0.125	57.4	−14.9	44.4	46.9	108.6	0.562	0.593	0.231	57.2	−15.1	44.5	47.0	108.8	0.2	94	0.906	1.0	0.0	91.0	−29.9	88.9	93.8	108.6
371	Y31G_062_037$_{de}$	0.5	0.625	0.25	0.625	0.375	0.437	109	0.552	0.625	0.25	57.3	−14.8	32.6	35.8	114.4	0.543	0.594	0.328	57.2	−15.0	32.6	35.9	114.6	0.1	100	0.806	1.0	0.0	89.4	−39.5	87.0	95.6	114.4
372	Y50G_062_025$_{de}$	0.5	0.625	0.375	0.625	0.25	0.5	120	0.507	0.625	0.375	57.2	−15.7	20.7	26.0	127.2	0.509	0.597	0.419	57.2	−15.7	20.5	25.8	127.5	0.2	118	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2
373	G00B_062_012$_{de}$	0.5	0.625	0.5	0.625	0.125	0.562	150	0.5	0.625	0.588	58.3	−8.0	2.5	8.4	162.2	0.523	0.597	0.561	58.2	−8.1	2.4	8.5	163.5	0.2	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
374	G50B_062_012$_{de}$	0.5	0.625	0.625	0.625	0.125	0.562	210	0.5	0.611	0.625	57.5	−4.2	−3.2	5.3	216.9	0.524	0.583	0.594	57.4	−4.4	−3.2	5.5	215.9	0.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
375	G75B_075_025$_{de}$	0.5	0.625	0.75	0.75	0.25	0.625	240	0.5	0.69	0.75	65.2	−4.7	−9.9	10.9	244.3	0.571	0.668	0.726	65.0	−4.9	−10.0	11.2	243.5	0.3	223	0.0	0.763	1.0	70.0	−19.0	−39.6	43.9	244.3
376	G84B_087_037$_{de}$	0.5	0.625	0.875	0.875	0.375	0.687	251	0.5	0.766	0.875	72.5	−4.7	−17.1	17.8	254.3	0.617	0.752	0.864	72.4	−4.8	−17.2	17.9	254.2	0.1	226	0.0	0.71	1.0	66.3	−12.7	−45.7	47.4	254.3
377	G88B_100_050$_{de}$	0.5	0.625	1.0	1.0	0.5	0.75	256	0.5	0.842	1.0	79.9	−4.7	−24.3	24.7	258.9	0.657	0.839	1.0	79.8	−5.2	−23.8	24.4	257.5	0.7	227	0.0	0.685	1.0	64.5	−9.4	−48.6	49.5	258.9
378	Y31G_075_075$_{de}$	0.5	0.75	0.0	0.75	0.75	0.375	109	0.604	0.75	0.0	67.0	−29.6	65.3	71.7	114.4	0.589	0.724	0.08	66.8	−30.0	65.7	72.2	114.5	0.5	100	0.806	1.0	0.0	89.4	−39.5	87.0	95.6	114.4
379	Y38G_075_062$_{de}$	0.5	0.75	0.125	0.75	0.625	0.437	113	0.574	0.75	0.125	67.0	−29.7	53.4	61.1	119.1	0.572	0.725	0.246	66.8	−29.8	53.2	61.0	119.2	0.2	105	0.719	1.0	0.0	88.1	−47.6	85.4	97.8	119.1
380	Y50G_075_050$_{de}$	0.5	0.75	0.25	0.75	0.5	0.5	120	0.514	0.75	0.25	66.8	−31.5	41.4	52.0	127.2	0.532	0.728	0.352	66.7	−31.5	41.3	52.0	127.3	0.1	118	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2
381	Y68G_075_037$_{de}$	0.5	0.75	0.375	0.75	0.375	0.562	131	0.375	0.75	0.477	67.2	−30.0	25.1	39.1	140.0	0.506	0.732	0.487	67.1	−29.8	24.8	38.8	140.2	0.3	165	0.0	1.0	0.273	83.8	−80.1	67.0	104.4	140.0
382	G00B_075_025$_{de}$	0.5	0.75	0.5	0.75	0.25	0.625	150	0.5	0.75	0.676	68.9	−16.1	5.1	16.9	162.2	0.575	0.729	0.655	68.8	−16.3	5.0	17.1	162.7	0.2	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
383	G25B_075_025$_{de}$	0.5	0.75	0.625	0.75	0.25	0.625	180	0.5	0.75	0.737	69.3	−12.4	−2.1	12.6	189.6	0.58	0.728	0.713	69.1	−12.8	−2.2	13.0	189.8	0.4	207	0.0	1.0	0.951	86.5	−49.9	−8.4	50.6	189.6
384	G50B_075_025$_{de}$	0.5	0.75	0.75	0.75	0.25	0.625	210	0.5	0.722	0.75	67.4	−8.5	−6.4	10.7	216.9	0.576	0.7	0.725	67.2	−8.8	−6.5	11.0	216.3	0.4	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
385	G65B_087_037$_{de}$	0.5	0.75	0.875	0.875	0.375	0.687	229	0.5	0.803	0.875	75.1	−9.4	−13.1	16.2	234.3	0.62	0.791	0.863	75.1	−9.7	−13.2	16.4	233.6	0.2	220	0.0	0.808	1.0	73.3	−25.2	−35.1	43.2	234.3
386	G75B_100_050$_{de}$	0.5	0.75	1.0	1.0	0.5	0.75	240	0.5	0.881	1.0	82.7	−9.5	−19.8	21.9	244.3	0.667	0.88	1.0	82.6	−9.8	−19.5	21.9	243.3	0.4	223	0.0	0.763	1.0	70.0	−19.0	−39.6	43.9	244.3
387	Y41G_087_087$_{de}$	0.5	0.875	0.0	0.875	0.875	0.437	115	0.586	0.875	0.0	76.5	−45.3	74.1	86.9	121.4	0.58	0.86	0.049	76.4	−45.6	74.4	87.3	121.5	0.4	108	0.67	1.0	0.0	87.5	−51.8	84.7	99.3	121.4
388	Y50G_087_075$_{de}$	0.5	0.875	0.125	0.875	0.75	0.5	120	0.521	0.875	0.125	76.4	−47.2	62.1	78.0	127.2	0.54	0.862	0.256	76.3	−47.3	62.0	78.0	127.3	0.1	118	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2
389	Y61G_087_062$_{de}$	0.5	0.875	0.25	0.875	0.625	0.562	127	0.332	0.875	0.25	76.2	−50.8	50.0	71.3	135.4	0.469	0.867	0.373	76.1	−50.8	49.8	71.2	135.5	0.1	142	0.132	1.0	0.0	83.7	−81.2	80.1	114.1	135.4
390	Y76G_087_050$_{de}$	0.5	0.875	0.375	0.875	0.5	0.625	136	0.375	0.875	0.593	77.8	−38.0	25.7	45.9	145.9	0.541	0.868	0.592	77.7	−38.2	25.7	46.0	146.0	0.2	175	0.0	1.0	0.436	84.1	−76.0	51.4	91.8	145.9
391	G00B_087_037$_{de}$	0.5	0.875	0.5	0.875	0.375	0.687	150	0.5	0.875	0.764	79.6	−24.2	7.7	25.4	162.2	0.627	0.867	0.752	79.5	−24.3	7.7	25.6	162.2	0.1	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
392	G15B_087_037$_{de}$	0.5	0.875	0.625	0.875	0.375	0.687	169	0.5	0.875	0.83	79.9	−20.3	0.1	20.3	179.5	0.633	0.865	0.815	79.8	−20.6	0.1	20.6	179.7	0.2	203	0.0	1.0	0.88	86.0	−54.3	0.4	54.3	179.5
393	G34B_087_037$_{de}$	0.5	0.875	0.75	0.875	0.375	0.687	191	0.5	0.868	0.875	79.8	−16.7	−5.9	17.7	199.6	0.637	0.857	0.861	79.7	−16.9	−6.0	17.9	199.6	0.2	210	0.0	0.982	1.0	85.6	−44.5	−15.8	47.3	199.6
394	G50B_087_037$_{de}$	0.5	0.875	0.875	0.875	0.375	0.687	210	0.5	0.833	0.875	77.3	−12.8	−9.6	16.0	216.9	0.629	0.822	0.861	77.2	−13.0	−9.7	16.3	216.6	0.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
395	G61B_100_050$_{de}$	0.5	0.875	1.0	1.0	0.5	0.75	224	0.5	0.914	1.0	85.0	−13.8	−16.3	21.4	229.7	0.667	0.916	1.0	84.9	−14.3	−16.0	21.5	228.2	0.5	219	0.0	0.829	1.0	74.7	−27.7	−32.7	42.8	229.7
396	Y50G_100_100$_{de}$	0.5	1.0	0.0	1.0	1.0	0.5	120	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2	0.53	0.999	0.0	85.9	−63.0	82.7	104.0	127.3	0.1	118	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2
397	Y58G_100_087$_{de}$	0.5	1.0	0.125	1.0	0.875	0.562	125	0.395	1.0	0.125	85.8	−66.2	70.7	96.9	133.0	0.456	1.0	0.261	85.5	−66.0	70.5	96.6	133.1	0.4	132	0.309	1.0	0.0	84.4	−75.7	80.9	110.8	133.0
398	Y68G_100_075$_{de}$	0.5	1.0	0.25	1.0	0.75	0.625	131	0.25	1.0	0.454	86.7	−60.1	50.2	78.3	140.0	0.481	1.0	0.483	86.1	−59.3	49.4	77.2	140.2	1.2	165	0.0	1.0	0.273	83.8	−80.1	67.0	104.4	140.0
399	Y81G_100_062$_{de}$	0.5	1.0	0.375	1.0	0.625	0.687	139	0.375	1.0	0.695	88.5	−45.8	27.1	53.2	149.4	0.578	1.0	0.697	87.8	−45.2	26.3	52.3	149.7	1.1	180	0.0	1.0	0.513	84.3	−73.3	43.3	85.2	149.4
400	G00B_100_050$_{de}$	0.5	1.0	0.5	1.0	0.5	0.75	150	0.5	1.0	0.853	90.2	−32.3	10.3	33.9	162.2	0.673	1.0	0.853	89.6	−31.6	9.5	33.0	163.2	1.2	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
401	G11B_100_050$_{de}$	0.5	1.0	0.625	1.0	0.5	0.75	164	0.5	1.0	0.919	90.6	−28.5	2.4	28.6	175.0	0.677	1.0	0.919	90.0	−28.0	1.7	28.0	176.4	1.0	201	0.0	1.0	0.838	85.8	−57.1	4.9	57.3	175.0
402	G25B_100_050$_{de}$	0.5	1.0	0.75	1.0	0.5	0.75	180	0.5	1.0	0.975	90.9	−24.9	−4.2	25.3	189.6	0.684	1.0	0.977	90.5	−24.5	−4.8	24.9	191.2	0.9	207	0.0	1.0	0.951	86.5	−49.9	−8.4	50.6	189.6
403	G38B_100_050$_{de}$	0.5	1.0	0.875	1.0	0.5	0.75	196	0.5	0.979	1.0	89.6	−21.0	−9.4	23.0	204.2	0.682	0.983	1.0	89.5	−21.4	−9.1	23.3	203.0	0.5	212	0.0	0.958	1.0	83.9	−42.0	−18.9	46.1	204.2
404	G50B_100_050$_{de}$	0.5	1.0	1.0	1.0	0.5	0.75	210	0.5	0.945	1.0	87.2	−17.1	−12.8	21.4	216.9	0.676	0.947	1.0	87.1	−17.5	−12.7	21.7	216.0	0.4	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9

delta E'^* = 0.4

3−1131930−F0

QF520−7N, 20/29−F

graphique TUB-QF52; code de teinte: H^*_e=Y50G_e
couleurs et différences, $\Delta E'^*$

entrée : *rgb/cmyk* −> rgb_{de}
sortie : linéarisation 3D selon rgb^*_{de}

voir fichiers similaires: http://130.149.60.45/~farbmetrik/QF52/QF52.HTM
informations techniques: http://www.ps.bam.de ou http://130.149.60.45/~farbmetrik

http://130.149.60.45/~farbmetrik/QF52/QF52L0FP.PDF /.PS; linéarisation 3D
F: linéarisation 3D QF52/QF52LF30FP.DAT dans fichier (F), páge 21/29

TUB enregistrement: 20130201-QF52/QF52L0FP.PDF /.PS
application pour la mesure de sortie sur ècran, aucune séparation

TUB matériel: code=rha4ta

n	HIC*$_{\mathrm{Fde}}$	$\mathit{rgb}\_{\mathrm{Fde}}$			$\mathit{ict}\_{\mathrm{Fde}}$			$h_{\mathrm{si\_F,de}}$	$\mathit{rgb}^*_{\mathrm{Fde}}$			$\mathit{LabCh}^*_{\mathrm{Fde}}$					$\mathit{rgb}'^*_{\mathrm{Fde}}$			$\mathit{LabCh}'^*_{\mathrm{Fde}}$					$\mathit{DE}'^*_{\mathrm{Fde}}$	$h_{\mathrm{siM,de}}$	$\mathit{rgb}^*_{\mathrm{Mde}}$			$\mathit{LabCh}^*_{\mathrm{Mde}}$				
405	R00Y_062_062$_{de}$	0.625	0.0	0.0	0.625	0.625	0.312	390	0.625	0.0	0.164	31.8	48.9	23.3	54.2	25.4	0.603	0.103	0.172	31.5	49.2	23.1	54.4	25.1	0.4	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
406	R31Y_062_062$_{de}$	0.625	0.0	0.125	0.625	0.625	0.312	379	0.625	0.0	0.247	32.1	49.9	11.7	51.2	13.2	0.603	0.104	0.25	31.9	50.3	11.3	51.6	12.6	0.6	366	1.0	0.0	0.395	51.4	79.8	18.7	82.0	13.2
407	R11Y_062_062$_{de}$	0.625	0.0	0.25	0.625	0.625	0.312	367	0.625	0.0	0.333	32.7	51.3	−0.1	51.3	359.8	0.6	0.107	0.329	32.4	51.6	−0.7	51.6	359.2	0.6	357	1.0	0.0	0.533	52.3	82.1	−0.2	82.1	359.8
408	B69R_062_062$_{de}$	0.625	0.0	0.375	0.625	0.625	0.312	353	0.625	0.0	0.398	33.2	52.5	−8.8	53.3	350.4	0.599	0.111	0.39	33.0	52.8	−9.4	53.6	349.9	0.6	350	1.0	0.0	0.637	53.1	84.1	−14.2	85.3	350.4
409	B59R_062_062$_{de}$	0.625	0.0	0.5	0.625	0.625	0.312	341	0.625	0.0	0.495	34.1	55.1	−21.1	59.0	339.0	0.599	0.114	0.479	34.0	55.3	−21.6	59.4	338.5	0.6	341	1.0	0.0	0.793	54.7	88.2	−33.8	94.5	339.0
410	B50R_062_062$_{de}$	0.625	0.0	0.625	0.625	0.625	0.312	330	0.625	0.0	0.619	35.7	58.8	−35.9	68.9	328.6	0.597	0.124	0.591	35.6	58.6	−36.0	68.8	328.4	0.2	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
411	B42R_075_075$_{de}$	0.625	0.0	0.75	0.75	0.75	0.375	321	0.588	0.0	0.75	36.4	65.2	−54.6	85.1	320.0	0.575	0.084	0.725	36.1	65.7	−55.0	85.7	320.0	0.7	318	0.784	0.0	1.0	48.6	87.0	−72.8	113.5	320.0
412	B36R_087_087$_{de}$	0.625	0.0	0.875	0.875	0.875	0.437	314	0.497	0.0	0.875	35.7	71.1	−75.1	103.5	313.4	0.501	0.04	0.861	35.6	71.7	−75.3	104.0	313.5	0.5	304	0.568	0.0	1.0	40.8	81.3	−85.9	118.3	313.4
413	B31R_100_100$_{de}$	0.625	0.0	1.0	1.0	1.0	0.5	308	0.263	0.0	1.0	32.8	76.9	−99.3	125.7	307.7	0.264	0.0	0.999	32.8	76.9	−99.4	125.7	307.7	0.0	284	0.263	0.0	1.0	32.8	76.9	−99.3	125.7	307.7
414	R18Y_062_062$_{de}$	0.625	0.125	0.0	0.625	0.625	0.312	41	0.625	0.0	0.038	31.5	48.2	37.3	61.0	37.7	0.605	0.101	0.064	31.3	48.6	38.2	61.8	38.1	1.0	386	1.0	0.0	0.062	50.5	77.2	59.7	97.6	37.7
415	R00Y_062_050$_{de}$	0.625	0.125	0.125	0.625	0.5	0.375	390	0.625	0.125	0.256	37.3	39.1	18.6	43.3	25.4	0.619	0.237	0.251	37.2	39.2	18.3	43.2	25.0	0.3	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
416	R26Y_062_050$_{de}$	0.625	0.125	0.25	0.625	0.5	0.375	376	0.625	0.125	0.339	37.7	40.2	7.0	40.8	9.8	0.614	0.24	0.33	37.6	40.2	6.6	40.7	9.3	0.4	364	1.0	0.0	0.429	51.6	80.5	14.0	81.7	9.8
417	R00Y_062_050$_{de}$	0.625	0.125	0.375	0.625	0.5	0.375	360	0.625	0.125	0.433	38.4	41.8	−5.8	42.2	352.0	0.608	0.245	0.421	38.3	41.6	−6.2	42.1	351.4	0.4	352	1.0	0.0	0.617	52.9	83.6	−11.6	84.4	352.0
418	B61R_062_050$_{de}$	0.625	0.125	0.5	0.625	0.5	0.375	344	0.625	0.125	0.498	39.0	43.3	−14.1	45.6	341.8	0.607	0.25	0.482	38.9	43.2	−14.5	45.5	341.3	0.4	344	1.0	0.0	0.747	54.1	86.7	−28.3	91.2	341.8
419	B50R_062_050$_{de}$	0.625	0.125	0.625	0.625	0.5	0.375	330	0.625	0.125	0.62	40.5	47.0	−28.7	55.1	328.6	0.605	0.256	0.593	40.4	46.8	−28.8	55.0	328.3	0.2	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
420	B40R_075_062$_{de}$	0.625	0.125	0.75	0.75	0.625	0.437	319	0.58	0.125	0.75	41.0	53.3	−47.7	71.5	318.1	0.58	0.243	0.728	40.8	53.2	−47.8	71.5	318.0	0.1	314	0.729	0.0	1.0	46.5	85.3	−76.3	114.5	318.1
421	B34R_087_075$_{de}$	0.625	0.125	0.875	0.875	0.75	0.5	311	0.458	0.125	0.875	39.7	59.3	−69.1	91.1	310.5	0.495	0.216	0.865	39.5	59.8	−69.4	91.6	310.7	0.5	296	0.444	0.0	1.0	37.0	79.0	−92.2	121.5	310.5
422	B29R_100_087$_{de}$	0.625	0.125	1.0	1.0	0.875	0.562	305	0.125	0.227	1.0	40.2	61.2	−87.7	107.0	304.9	0.342	0.243	1.0	40.0	60.9	−87.4	106.5	304.8	0.5	263	0.0	0.116	1.0	32.3	70.0	−100.3	122.3	304.9
423	R38Y_062_062$_{de}$	0.625	0.25	0.0	0.625	0.625	0.312	53	0.625	0.237	0.0	36.4	34.3	42.5	54.7	51.0	0.602	0.246	0.051	36.4	34.2	43.3	55.2	51.6	0.7	52	1.0	0.379	0.0	58.3	54.9	68.1	87.5	51.0
424	R23Y_062_050$_{de}$	0.625	0.25	0.125	0.625	0.5	0.375	44	0.625	0.176	0.125	37.6	37.2	32.4	49.3	41.0	0.623	0.247	0.156	37.5	36.9	32.5	49.2	41.3	0.3	35	1.0	0.102	0.0	51.3	74.4	64.8	98.7	41.0
425	R00Y_062_037$_{de}$	0.625	0.25	0.25	0.625	0.375	0.437	390	0.625	0.25	0.348	42.9	29.3	13.9	32.5	25.4	0.626	0.335	0.332	42.7	29.2	13.6	32.2	25.0	0.4	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
426	R18Y_062_037$_{de}$	0.625	0.25	0.375	0.625	0.375	0.437	371	0.625	0.25	0.432	43.3	30.4	2.2	30.5	4.3	0.617	0.339	0.415	43.1	30.3	1.8	30.3	3.4	0.5	360	1.0	0.0	0.486	51.9	81.1	6.1	81.3	4.3
427	B65R_062_037$_{de}$	0.625	0.25	0.5	0.625	0.375	0.437	349	0.625	0.25	0.507	43.9	32.0	−7.6	32.9	346.6	0.613	0.343	0.488	43.8	32.0	−8.1	33.0	345.7	0.5	347	1.0	0.0	0.686	53.6	85.5	−20.3	87.9	346.6
428	B50R_062_037$_{de}$	0.625	0.25	0.625	0.625	0.375	0.437	330	0.625	0.25	0.621	45.2	35.3	−21.5	41.3	328.6	0.609	0.351	0.595	45.1	35.1	−21.7	41.2	328.2	0.2	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
429	B38R_075_050$_{de}$	0.625	0.25	0.75	0.75	0.5	0.5	316	0.569	0.25	0.75	45.4	41.4	−40.9	58.2	315.3	0.578	0.339	0.73	45.2	41.4	−41.2	58.4	315.1	0.3	309	0.638	0.0	1.0	43.2	82.9	−81.9	116.5	315.3
430	B30R_087_062$_{de}$	0.625	0.25	0.875	0.875	0.625	0.562	307	0.341	0.25	0.875	43.4	47.7	−63.7	79.6	306.8	0.477	0.311	0.868	43.2	47.9	−63.9	79.9	306.8	0.3	277	0.145	0.0	1.0	31.2	76.3	−102.0	127.4	306.8
431	B25R_100_075$_{de}$	0.625	0.25	1.0	1.0	0.75	0.625	300	0.25	0.452	1.0	52.5	39.5	−68.0	78.7	300.1	0.474	0.443	1.0	52.3	38.8	−67.2	77.6	300.0	1.1	254	0.0	0.27	1.0	38.2	52.7	−90.7	104.9	300.1
432	R61Y_062_062$_{de}$	0.625	0.375	0.0	0.625	0.625	0.312	67	0.625	0.36	0.0	42.2	19.8	46.1	50.2	66.6	0.6	0.354	0.06	42.1	19.7	46.9	50.9	67.2	0.8	65	1.0	0.576	0.0	67.6	31.8	73.8	80.4	66.6
433	R50Y_062_050$_{de}$	0.625	0.375	0.125	0.625	0.5	0.375	60	0.625	0.368	0.125	43.4	21.3	35.4	41.3	58.8	0.614	0.364	0.18	43.4	21.0	35.7	41.4	59.5	0.4	59	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8
434	R31Y_062_037$_{de}$	0.625	0.375	0.25	0.625	0.375	0.437	49	0.625	0.358	0.25	44.6	23.6	25.0	34.4	46.6	0.63	0.371	0.271	44.6	23.3	24.9	34.1	46.9	0.3	46	1.0	0.29	0.0	55.4	63.0	66.8	91.8	46.6
435	R00Y_062_025$_{de}$	0.625	0.375	0.375	0.625	0.25	0.5	390	0.625	0.375	0.44	48.5	19.5	9.3	21.6	25.4	0.624	0.425	0.417	48.3	19.1	8.9	21.1	25.1	0.5	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
436	R00Y_062_025$_{de}$	0.625	0.375	0.5	0.625	0.25	0.5	360	0.625	0.375	0.529	49.0	20.9	−2.9	21.1	352.0	0.612	0.43	0.507	48.9	20.6	−3.2	20.9	351.0	0.4	352	1.0	0.0	0.617	52.9	83.6	−11.6	84.4	352.0
437	B50R_062_025$_{de}$	0.625	0.375	0.625	0.625	0.25	0.5	330	0.625	0.375	0.622	50.0	23.5	−14.3	27.5	328.6	0.608	0.438	0.595	49.9	23.1	−14.4	27.2	328.0	0.4	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
438	B34R_075_037$_{de}$	0.625	0.375	0.75	0.75	0.375	0.562	311	0.541	0.375	0.75	49.6	29.6	−34.5	45.5	310.5	0.569	0.424	0.732	49.5	29.2	−34.6	45.3	310.2	0.3	296	0.444	0.0	1.0	37.0	79.0	−92.2	121.5	310.5
439	B25R_087_050$_{de}$	0.625	0.375	0.875	0.875	0.5	0.625	300	0.375	0.51	0.875	54.8	26.3	−45.3	52.4	300.1	0.545	0.495	0.869	54.9	26.0	−45.2	52.2	299.9	0.3	254	0.0	0.27	1.0	38.2	52.7	−90.7	104.9	300.1
440	B19R_100_062$_{de}$	0.625	0.375	1.0	1.0	0.625	0.687	293	0.375	0.62	1.0	63.8	21.7	−49.8	54.3	293.5	0.573	0.604	1.0	63.6	21.1	−49.1	53.4	293.3	0.9	247	0.0	0.392	1.0	44.9	34.7	−79.7	86.9	293.5
441	R81Y_062_062$_{de}$	0.625	0.5	0.0	0.625	0.625	0.312	79	0.625	0.449	0.0	47.1	8.6	49.3	50.0	80.0	0.598	0.435	0.072	47.1	8.2	50.1	50.8	80.7	0.9	74	1.0	0.719	0.0	75.5	13.8	78.9	80.1	80.0
442	R76Y_062_050$_{de}$	0.625	0.5	0.125	0.625	0.5	0.375	76	0.625	0.467	0.125	48.6	9.1	38.8	39.9	76.7	0.609	0.45	0.197	48.5	8.6	39.2	40.1	77.5	0.6	72	1.0	0.684	0.0	73.5	18.3	77.7	79.8	76.7
443	R68Y_062_037$_{de}$	0.625	0.5	0.25	0.625	0.375	0.437	71	0.625	0.484	0.25	50.1	9.6	28.1	29.7	71.1	0.616	0.466	0.298	50.1	9.0	28.1	29.5	72.1	0.5	68	1.0	0.626	0.0	70.1	25.6	75.1	79.3	71.1
444	R50Y_062_025$_{de}$	0.625	0.5	0.375	0.625	0.25	0.5	60	0.625	0.496	0.375	51.5	10.6	17.7	20.6	58.8	0.622	0.48	0.388	51.5	10.2	17.5	20.3	59.6	0.4	59	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8
445	R00Y_062_012$_{de}$	0.625	0.5	0.5	0.625	0.125	0.562	390	0.625	0.5	0.532	54.0	9.7	4.6	10.8	25.4	0.616	0.512	0.506	54.1	9.4	4.4	10.4	25.3	0.3	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
446	B50R_062_012$_{de}$	0.625	0.5	0.625	0.625	0.125	0.562	330	0.625	0.5	0.623	54.8	11.7	−7.1	13.7	328.6	0.602	0.518	0.595	54.8	11.2	−7.1	13.3	327.7	0.5	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
447	B25R_075_025$_{de}$	0.625	0.5	0.75	0.75	0.25	0.625	300	0.5	0.567	0.75	57.2	13.1	−22.6	26.2	300.1	0.578	0.545	0.731	57.1	12.7	−22.6	26.0	299.3	0.4	254	0.0	0.27	1.0	38.2	52.7	−90.7	104.9	300.1
448	B15R_087_037$_{de}$	0.625	0.5	0.875	0.875	0.375	0.687	289	0.5	0.665	0.875	65.7	10.1	−28.1	29.9	289.7	0.62	0.644	0.867	65.5	10.0	−28.3	30.0	289.6	0.2	243	0.0	0.44	1.0	47.9	26.9	−75.0	79.7	289.7
449	B11R_100_050$_{de}$	0.625	0.5	1.0	1.0	0.5	0.75	284	0.5	0.75	1.0	73.6	9.1	−34.1	35.3	285.0	0.665	0.737	1.0	73.4	8.7	−33.6	34.8	284.5	0.6	239	0.0	0.5	1.0	51.8	18.3	−68.3	70.7	285.0
450	Y00G_062_062$_{de}$	0.625	0.625	0.0	0.625	0.625	0.312	90	0.625	0.535	0.0	52.3	−2.1	52.8	52.8	92.3	0.598	0.514	0.085	52.3	−2.5	53.5	53.5	92.7	0.8	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
451	Y00G_062_050$_{de}$	0.625	0.625	0.125	0.625	0.5	0.375	90	0.625	0.553	0.125	53.7	−1.7	42.2	42.2	92.3	0.607	0.53	0.218	53.8	−2.1	42.5	42.6	92.8	0.5	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
452	Y00G_062_037$_{de}$	0.625	0.625	0.25	0.625	0.375	0.437	90	0.625	0.571	0.25	55.2	−1.2	31.6	31.7	92.3	0.61	0.545	0.318	55.2	−1.7	31.7	31.8	93.1	0.4	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
453	Y00G_062_025$_{de}$	0.625	0.625	0.375	0.625	0.25	0.5	90	0.625	0.589	0.375	56.7	−0.8	21.1	21.1	92.3	0.61	0.56	0.413	56.6	−1.1	20.8	20.9	93.1	0.4	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
454	Y00G_062_012$_{de}$	0.625	0.625	0.5	0.625	0.125	0.562	90	0.625	0.607	0.5	58.1	−0.4	10.5	10.5	92.3	0.604	0.577	0.505	58.0	−0.5	10.1	10.2	93.3	0.4	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
455	NW_062$_{de}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	59.6	0.0	0.0	0.0	0.0	0.59	0.593	0.594	59.4	−0.2	−0.1	0.3	206.3	0.3	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
456	B00R_075_012$_{de}$	0.625	0.625	0.75	0.75	0.125	0.687	270	0.625	0.701	0.75	67.0	0.2	−7.0	7.0	271.7	0.646	0.675	0.726	66.8	0.0	−7.2	7.2	270.5	0.2	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
457	B00R_087_025$_{de}$	0.625	0.625	0.875	0.875	0.25	0.75	270	0.625	0.777	0.875	74.4	0.4	−14.1	14.1	271.7	0.701	0.76	0.864	74.3	0.3	−14.3	14.3	271.2	0.2	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
458	B00R_100_037$_{de}$	0.625	0.625	1.0	1.0	0.375	0.812	270	0.625	0.853	1.0	81.8	0.6	−21.2	21.2	271.7	0.752	0.846	1.0	81.7	0.3	−20.8	20.8	270.9	0.5	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
459	Y15G_075_075$_{de}$	0.625	0.75	0.0	0.75	0.75	0.375	99	0.75	0.749	0.0	69.4	−15.4	68.0	69.7	102.7	0.725	0.723	0.086	69.2	−15.7	68.4	70.2	102.9	0.5	89	1.0	0.999	0.0	92.6	−20.6	90.7	93.0	102.7
460	Y18G_075_062$_{de}$	0.625	0.75	0.125	0.75	0.625	0.437	101	0.727	0.75	0.125	69.4	−15.2	56.3	58.3	105.1	0.714	0.723	0.251	69.2	−15.3	56.1	58.1	105.2	0.3	91	0.963	1.0	0.0	92.0	−24.3	90.1	93.3	105.1
461	Y23G_075_050$_{de}$	0.625	0.75	0.25	0.75	0.5	0.5	104	0.703	0.75	0.25	69.3	−14.9	44.4	46.9	108.6	0.696	0.723	0.357	69.1	−15.1	44.2	46.8	108.9	0.3	94	0.906	1.0	0.0	91.0	−29.9	88.9	93.8	108.6
462	Y31G_075_037$_{de}$	0.625	0.75	0.375	0.75	0.375	0.562	109	0.677	0.75	0.375	69.3	−14.8	32.6	35.8	114.4	0.673	0.724	0.452	69.1	−15.0	32.3	35.7	114.9	0.3	100	0.806	1.0	0.0	89.4	−39.5	87.0	95.6	114.4
463	Y50G_075_025$_{de}$	0.625	0.75	0.5	0.75	0.25	0.625	120	0.632	0.75	0.5	69.2	−15.7	20.7	26.0	127.2	0.635	0.728	0.543	69.0	−15.9	20.4	25.9	127.9	0.3	118	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2
464	G00B_075_012$_{de}$	0.625	0.75	0.625	0.75	0.125	0.687	150	0.625	0.75	0.713	70.2	−8.0	2.5	8.4	162.2	0.65	0.728	0.689	70.1	−8.3	2.5	8.7	162.8	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
465	G50B_075_012$_{de}$	0.625	0.75	0.75	0.75	0.125	0.687	210	0.625	0.736	0.75	69.5	−4.2	−3.2	5.3	216.9	0.652	0.712	0.724	69.3	−4.4	−3.2	5.5	216.2	0.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
466	G75B_087_025$_{de}$	0.625	0.75	0.875	0.875	0.25	0.75	240	0.625	0.815	0.875	77.1	−4.7	−9.9	10.9	244.3	0.702	0.801	0.861	76.9	−5.0	−10.0	11.2	243.3	0.3	223	0.0	0.763	1.0	70.0	−19.0	−39.6	43.9	244.3
467	G84B_100_037$_{de}$	0.625	0.75	1.0	1.0	0.375	0.812	251	0.625	0.891	1.0	84.5	−4.7	−17.1	17.8	254.3	0.752	0.889	1.0	84.4	−5.0	−16.7	17.5	253.2	0.4	226	0.0	0.71	1.0	66.3	−12.7	−45.7	47.4	254.3
468	Y26G_087_087$_{de}$	0.625	0.875	0.0	0.875	0.875	0.437	106	0.759	0.875	0.0	79.0	−29.5	77.0	82.4	110.9	0.749	0.86	0.053	78.9	−29.6	77.4	82.9	110.9	0.4	96	0.868	1.0	0.0	90.3	−33.7	88.0	94.2	110.9
469	Y31G_087_075$_{de}$	0.625	0.875	0.125	0.875	0.75	0.5	109	0.729	0.875	0.125	78.9	−29.6	65.3	71.7	114.4	0.73	0.86	0.259	78.8	−29.8	65.2	71.7	114.5	0.1	100	0.806	1.0	0.0	89.4	−39.5	87.0	95.6	114.4
470	Y38G_087_062$_{de}$	0.625	0.875	0.25	0.875	0.625	0.562	113	0.699	0.875	0.25	78.9	−29.7	53.4	61.1	119.1	0.709	0.861	0.378	78.8	−29.9	53.1	61.0	119.3	0.3	105	0.719	1.0	0.0	88.1	−47.6	85.4	97.8	119.1
471	Y50G_087_050$_{de}$	0.625	0.875	0.375	0.875	0.5	0.625	120	0.639	0.875	0.375	78.7	−31.5	41.4	52.0	127.2	0.664	0.864	0.479	78.6	−31.7	41.1	51.9	127.6	0.3	118	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2
472	Y68G_087_037$_{de}$	0.625	0.875	0.5	0.875	0.375	0.687	131	0.5	0.875	0.602	79.1	−30.0	25.1	39.1	140.0	0.634	0.869	0.612	79.0	−30.2	25.1	39.3	140.2	0.2	165	0.0	1.0	0.273	83.8	−80.1	67.0	104.4	140.0
473	G00B_087_025$_{de}$	0.625	0.875	0.625	0.875	0.25	0.75	150	0.625	0.875	0.801	80.9	−16.1	5.1	16.9	162.2	0.706	0.865	0.788	80.7	−16.4	5.0	17.1	162.8	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
474	G25B_087_025$_{de}$	0.625	0.875	0.75	0.875	0.25	0.75	180	0.625	0.875	0.862	81.2	−12.4	−2.1	12.6	189.6	0.714	0.864	0.849	81.1	−12.7	−2.2	12.9	189.8	0.2	207	0.0	1.0	0.951	86.5	−49.9	−8.4	50.6	189.6
475	G50B_087_025$_{de}$	0.625	0.875	0.875	0.875	0.25	0.75	210	0.625	0.847	0.875	79.4	−8.5	−6.4	10.7	216.9	0.707	0.835	0.86	79.2	−8.9	−6.5	11.0	216.3	0.4	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
476	G65B_100_037$_{de}$	0.625	0.875	1.0	1.0	0.375	0.812	229	0.625	0.928	1.0	87.1	−9.4	−13.1	16.2	234.3	0.756	0.929	1.0	87.0	−9.7	−12.8	16.1	232.6	0.4	220	0.0	0.808	1.0	73.3	−25.2	−35.1	43.2	234.3
477	Y36G_100_100$_{de}$	0.625	1.0	0.0	1.0	1.0	0.5	112	0.743	1.0	0.0	88.4	−45.5	85.7	97.1	117.9	0.742	0.999	0.0	88.4	−45.6	85.7	97.0	118.0	0.1	104	0.743	1.0	0.0	88.4	−45.5	85.7	97.1	117.9
478	Y41G_100_087$_{de}$	0.625	1.0	0.125	1.0	0.875	0.562	115	0.711	1.0	0.125	88.5	−45.3	74.1	86.9	121.4	0.725	1.0	0.263	88.3	−45.4	74.1	86.9	121.4	0.1	108	0.67	1.0	0.0	87.5	−51.8	84.7	99.3	121.4
479	Y50G_100_075$_{de}$	0.625	1.0	0.25	1.0	0.75	0.625	120	0.646	1.0	0.25	88.3	−47.2	62.1	78.0	127.2	0.68	1.0	0.394	88.0	−47.1	61.7	77.6	127.3	0.5	118	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2
480	Y61G_100_062$_{de}$	0.625	1.0	0.375	1.0	0.625	0.687	127	0.457	1.0	0.375	88.1	−50.8	50.0	71.3	135.4	0.61	1.0	0.501	87.4	−49.9	49.2	70.1	135.4	1.3	142	0.132	1.0	0.0	83.7	−81.2	80.1	114.1	135.4
481	Y76G_100_050$_{de}$	0.625	1.0	0.5	1.0	0.5	0.75	136	0.5	1.0	0.718	89.7	−38.0	25.7	45.9	145.9	0.676	1.0	0.724	89.0	−37.2	24.8	44.7	146.2	1.4	175	0.0	1.0	0.436	84.1	−76.0	51.4	91.8	145.9
482	G00B_100_037$_{de}$	0.625	1.0	0.625	1.0	0.375	0.812	150	0.625	1.0	0.889	91.5	−24.2	7.7	25.4	162.2	0.764	1.0	0.874	90.9	−24.0	8.8	25.6	159.8	1.2	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
483	G15B_100_037$_{de}$	0.625	1.0	0.75	1.0	0.375	0.812	169	0.625	1.0	0.955	91.9	−20.3	0.1	20.3	179.5	0.769	1.0	0.954	91.4	−19.8	−0.4	19.8	181.3	0.9	203	0.0	1.0	0.88	86.0	−54.3	0.4	54.3	179.5
484	G34B_100_037$_{de}$	0.625	1.0	0.875	1.0	0.375	0.812	191	0.625	0.993	1.0	91.7	−16.7	−5.9	17.7	199.6	0.774	0.997	1.0	91.6	−16.8	−5.8	17.8	199.1	0.2	210	0.0	0.982	1.0	85.6	−44.5	−15.8	47.3	199.6
485	G50B_100_037$_{de}$	0.625	1.0	1.0	1.0	0.375	0.812	210	0.625	0.958	1.0	89.2	−12.8	−9.6	16.0	216.9	0.765	0.961	1.0	89.2	−13.1	−9.5	16.2	216.1	0.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9

delta E'^* = 0.4

graphique TUB-QF52; code de teinte: H*$_e$=Y50G$_e$
couleurs et différences, $\Delta E'^*$

entrée : *rgb/cmyk* −> *rgb*$_{\mathrm{de}}$
sortie : linéarisation 3D selon *rgb**$_{\mathrm{de}}$

voir fichiers similaires: http://130.149.60.45/~farbmetrik/QF52/QF52.HTM
informations techniques: http://www.ps.bam.de ou http://130.149.60.45/~farbmetrik

QF5211s

http://130.149.60.45/~farbmetrik/QF52/QF52L0FP.PDF /.PS; linéarisation 3D
F: linéarisation 3D QF52/QF52LF30FP.DAT dans fichier (F), páge 22/29

TUB enregistrement: 20130201-QF52/QF52L0FP.PDF /.PS TUB matériel: code=rha4ta
application pour la mesure de sortie sur ècran, aucune séparation

n	HIC^*_{Fde}	$rgb_{\_Fde}$			$ict_{\_Fde}$			$h_{si\_F,de}$	rgb^*_{Fde}			$LabCh^*_{Fde}$					rgb'^*_{Fde}			$LabCh'^*_{Fde}$					DE'^*_{Fde}	$h_{siM,de}$	rgb^*_{Mde}			$LabCh^*_{Mde}$				
486	R00Y_075_075$_{de}$	0.75	0.0	0.0	0.75	0.75	0.375	390	0.75	0.0	0.197	38.1	58.7	27.9	65.0	25.4	0.731	0.086	0.201	37.8	59.2	27.8	65.4	25.1	0.6	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
487	R35Y_075_075$_{de}$	0.75	0.0	0.125	0.75	0.75	0.375	381	0.75	0.0	0.279	38.5	59.4	16.4	61.6	15.4	0.729	0.092	0.281	38.2	59.8	15.9	61.9	14.9	0.6	368	1.0	0.0	0.373	51.3	79.2	21.9	82.2	15.4
488	R18Y_075_075$_{de}$	0.75	0.0	0.25	0.75	0.75	0.375	371	0.75	0.0	0.364	38.9	60.8	4.5	61.0	4.3	0.729	0.09	0.362	38.6	61.3	4.0	61.4	3.7	0.8	360	1.0	0.0	0.486	51.9	81.1	6.1	81.3	4.3
489	R00Y_075_075$_{de}$	0.75	0.0	0.375	0.75	0.75	0.375	360	0.75	0.0	0.463	39.7	62.7	−8.7	63.3	352.0	0.728	0.097	0.457	39.4	63.0	−9.4	63.7	351.4	0.7	352	1.0	0.0	0.617	52.9	83.6	−11.6	84.4	352.0
490	B65R_075_075$_{de}$	0.75	0.0	0.5	0.75	0.75	0.375	349	0.75	0.0	0.514	40.2	64.1	−15.2	65.9	346.6	0.73	0.093	0.504	39.9	64.6	−15.8	66.5	346.1	0.7	347	1.0	0.0	0.686	53.6	85.5	−20.3	87.9	346.6
491	B57R_075_075$_{de}$	0.75	0.0	0.625	0.75	0.75	0.375	339	0.75	0.0	0.618	41.3	66.8	−28.1	72.5	337.1	0.729	0.098	0.6	41.0	67.1	−28.4	72.9	337.0	0.4	339	1.0	0.0	0.824	55.0	89.1	−37.5	96.7	337.1
492	B50R_075_075$_{de}$	0.75	0.0	0.75	0.75	0.75	0.375	330	0.75	0.0	0.743	42.8	70.6	−43.0	82.7	328.6	0.727	0.108	0.719	42.6	70.7	−43.3	82.9	328.5	0.3	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
493	B43R_087_087$_{de}$	0.75	0.0	0.875	0.875	0.875	0.437	322	0.709	0.0	0.875	43.4	76.9	−62.2	98.9	321.0	0.7	0.055	0.86	43.1	77.2	−62.6	99.4	320.9	0.5	319	0.811	0.0	1.0	49.6	87.9	−71.1	113.0	321.0
494	B38R_100_100$_{de}$	0.75	0.0	1.0	1.0	1.0	0.5	316	0.638	0.0	1.0	43.2	82.9	−81.9	116.5	315.3	0.637	0.0	1.0	43.1	82.8	−82.0	116.5	315.2	0.1	309	0.638	0.0	1.0	43.2	82.9	−81.9	116.5	315.3
495	R15Y_075_075$_{de}$	0.75	0.125	0.0	0.75	0.75	0.375	39	0.75	0.0	0.092	37.9	57.9	41.3	71.1	35.5	0.731	0.088	0.101	37.6	58.3	41.6	71.7	35.5	0.6	383	1.0	0.0	0.123	50.5	77.2	55.0	94.8	35.5
496	R00Y_075_062$_{de}$	0.75	0.125	0.125	0.75	0.625	0.437	390	0.75	0.125	0.289	43.7	48.9	23.3	54.2	25.4	0.749	0.256	0.282	43.6	48.7	23.1	53.9	25.3	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
497	R31Y_075_062$_{de}$	0.75	0.125	0.25	0.75	0.625	0.437	379	0.75	0.125	0.372	44.0	49.9	11.7	51.2	13.2	0.746	0.257	0.363	44.0	49.8	11.4	51.1	12.9	0.2	366	1.0	0.0	0.395	51.4	79.8	18.7	82.0	13.2
498	R11Y_075_062$_{de}$	0.75	0.125	0.375	0.75	0.625	0.437	367	0.75	0.125	0.458	44.6	51.3	−0.1	51.3	359.8	0.742	0.26	0.448	44.5	51.2	−0.5	51.2	359.3	0.4	357	1.0	0.0	0.533	52.3	82.1	−0.2	82.1	359.8
499	B69R_075_062$_{de}$	0.75	0.125	0.5	0.75	0.625	0.437	353	0.75	0.125	0.523	45.1	52.5	−8.8	53.3	350.4	0.74	0.263	0.512	45.0	52.5	−9.2	53.4	349.9	0.4	350	1.0	0.0	0.637	53.1	84.1	−14.2	85.3	350.4
500	B59R_075_062$_{de}$	0.75	0.125	0.625	0.75	0.625	0.437	341	0.75	0.125	0.62	46.1	55.1	−21.1	59.0	339.0	0.738	0.267	0.603	45.9	55.1	−21.2	59.0	338.9	0.1	341	1.0	0.0	0.793	54.7	88.2	−33.8	94.5	339.0
501	B50R_075_062$_{de}$	0.75	0.125	0.75	0.75	0.625	0.437	330	0.75	0.125	0.744	47.6	58.8	−35.9	68.9	328.6	0.736	0.274	0.722	47.4	58.8	−36.0	69.0	328.5	0.2	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
502	B42R_087_075$_{de}$	0.75	0.125	0.875	0.875	0.75	0.5	321	0.713	0.125	0.875	48.4	65.2	−54.6	85.1	320.0	0.716	0.261	0.863	48.2	65.2	−54.7	85.1	319.9	0.2	318	0.784	0.0	1.0	48.6	87.0	−72.8	113.5	320.0
503	B36R_100_087$_{de}$	0.75	0.125	1.0	1.0	0.875	0.562	314	0.622	0.125	1.0	47.6	71.1	−75.1	103.5	313.4	0.645	0.238	1.0	47.4	71.0	−74.9	103.2	313.4	0.3	304	0.568	0.0	1.0	40.8	81.3	−85.9	118.3	313.4
504	R31Y_075_075$_{de}$	0.75	0.25	0.0	0.75	0.75	0.375	49	0.75	0.217	0.0	41.5	47.3	50.1	68.9	46.6	0.731	0.231	0.035	41.3	47.5	50.5	69.3	46.7	0.5	46	1.0	0.29	0.0	55.4	63.0	66.8	91.8	46.6
505	R18Y_075_062$_{de}$	0.75	0.25	0.125	0.75	0.625	0.437	41	0.75	0.125	0.163	43.5	48.2	37.3	61.0	37.7	0.754	0.254	0.178	43.4	48.0	37.6	61.0	38.0	0.3	386	1.0	0.0	0.062	50.5	77.2	59.7	97.6	37.7
506	R00Y_075_050$_{de}$	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.381	49.3	39.1	18.6	43.3	25.4	0.762	0.363	0.365	49.2	39.0	18.4	43.1	25.2	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
507	R26Y_075_050$_{de}$	0.75	0.25	0.375	0.75	0.5	0.5	376	0.75	0.25	0.464	49.6	40.2	7.0	40.8	9.8	0.755	0.367	0.449	49.6	40.0	6.6	40.6	9.4	0.3	364	1.0	0.0	0.429	51.6	80.5	14.0	81.7	9.8
508	R00Y_075_050$_{de}$	0.75	0.25	0.5	0.75	0.5	0.5	360	0.75	0.25	0.558	50.3	41.8	−5.8	42.2	352.0	0.747	0.373	0.543	50.3	41.5	−5.9	41.9	351.7	0.3	352	1.0	0.0	0.617	52.9	83.6	−11.6	84.4	352.0
509	B61R_075_050$_{de}$	0.75	0.25	0.625	0.75	0.5	0.5	344	0.75	0.25	0.623	50.9	43.3	−14.1	45.6	341.8	0.744	0.377	0.606	50.9	43.0	−14.0	45.2	341.8	0.3	344	1.0	0.0	0.747	54.1	86.7	−28.3	91.2	341.8
510	B50R_075_050$_{de}$	0.75	0.25	0.75	0.75	0.5	0.5	330	0.75	0.25	0.745	52.4	47.0	−28.7	55.1	328.6	0.743	0.385	0.724	52.4	46.7	−28.6	54.8	328.4	0.3	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
511	B40R_087_062$_{de}$	0.75	0.25	0.875	0.875	0.625	0.562	319	0.705	0.25	0.875	52.9	53.3	−47.7	71.5	318.1	0.719	0.375	0.866	52.9	53.0	−47.7	71.3	318.0	0.2	314	0.729	0.0	1.0	46.5	85.3	−76.3	114.5	318.1
512	B34R_100_075$_{de}$	0.75	0.25	1.0	1.0	0.75	0.625	311	0.583	0.25	1.0	51.6	59.3	−69.1	91.1	310.5	0.636	0.35	1.0	51.4	58.9	−68.5	90.3	310.6	0.7	296	0.444	0.0	1.0	37.0	79.0	−92.2	121.5	310.5
513	R50Y_075_075$_{de}$	0.75	0.375	0.0	0.75	0.75	0.375	60	0.75	0.365	0.0	47.3	32.0	53.1	62.0	58.8	0.729	0.364	0.045	47.2	31.9	53.8	62.5	59.3	0.6	59	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8
514	R38Y_075_062$_{de}$	0.75	0.375	0.125	0.75	0.625	0.437	53	0.75	0.362	0.125	48.4	34.3	42.5	54.7	51.0	0.748	0.369	0.176	48.3	34.0	42.9	54.8	51.6	0.5	52	1.0	0.379	0.0	58.3	54.9	68.1	87.5	51.0
515	R23Y_075_050$_{de}$	0.75	0.375	0.25	0.75	0.5	0.5	44	0.75	0.301	0.25	49.5	37.2	32.4	49.3	41.0	0.769	0.371	0.269	49.5	37.0	32.3	49.1	41.1	0.2	35	1.0	0.102	0.0	51.3	74.4	64.8	98.7	41.0
516	R00Y_075_037$_{de}$	0.75	0.375	0.375	0.75	0.375	0.562	390	0.75	0.375	0.473	54.8	29.3	13.9	32.5	25.4	0.765	0.459	0.451	54.7	29.1	13.6	32.1	25.1	0.3	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
517	R18Y_075_037$_{de}$	0.75	0.375	0.5	0.75	0.375	0.562	371	0.75	0.375	0.557	55.2	30.4	2.2	30.5	4.3	0.754	0.464	0.537	55.2	30.1	2.0	30.2	3.9	0.3	360	1.0	0.0	0.486	51.9	81.1	6.1	81.3	4.3
518	B65R_075_037$_{de}$	0.75	0.375	0.625	0.75	0.375	0.562	349	0.75	0.375	0.632	55.8	32.0	−7.6	32.9	346.6	0.749	0.468	0.611	55.8	31.8	−7.5	32.6	346.6	0.2	347	1.0	0.0	0.686	53.6	85.5	−20.3	87.9	346.6
519	B50R_075_037$_{de}$	0.75	0.375	0.75	0.75	0.375	0.562	330	0.75	0.375	0.746	57.2	35.3	−21.5	41.3	328.6	0.744	0.478	0.725	57.1	34.9	−21.4	41.0	328.4	0.3	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
520	B38R_087_050$_{de}$	0.75	0.375	0.875	0.875	0.5	0.625	316	0.694	0.375	0.875	57.3	41.4	−40.9	58.2	315.3	0.714	0.467	0.868	57.2	41.2	−41.0	58.1	315.1	0.2	309	0.638	0.0	1.0	43.2	82.9	−81.9	116.5	315.3
521	B30R_100_062$_{de}$	0.75	0.375	1.0	1.0	0.625	0.687	307	0.466	0.375	1.0	55.3	47.7	−63.7	79.6	306.8	0.618	0.437	1.0	55.0	46.9	−62.6	78.3	306.8	1.3	277	0.145	0.0	1.0	31.2	76.3	−102.0	127.4	306.8
522	R68Y_075_075$_{de}$	0.75	0.5	0.0	0.75	0.75	0.375	71	0.75	0.469	0.0	52.6	19.2	56.3	59.5	71.1	0.728	0.461	0.056	52.5	18.9	57.0	60.0	71.6	0.7	68	1.0	0.626	0.0	70.1	25.6	75.1	79.3	71.1
523	R61Y_075_062$_{de}$	0.75	0.5	0.125	0.75	0.625	0.437	67	0.75	0.485	0.125	54.1	19.8	46.1	50.2	66.6	0.743	0.477	0.195	54.1	19.5	46.6	50.5	67.3	0.6	65	1.0	0.576	0.0	67.6	31.8	73.8	80.4	66.6
524	R50Y_075_050$_{de}$	0.75	0.5	0.25	0.75	0.5	0.5	60	0.75	0.493	0.25	55.4	21.3	35.4	41.3	58.8	0.756	0.487	0.298	55.4	20.9	35.4	41.2	59.3	0.3	59	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8
525	R31Y_075_037$_{de}$	0.75	0.5	0.375	0.75	0.375	0.562	49	0.75	0.483	0.375	56.5	23.6	25.0	34.4	46.6	0.77	0.494	0.389	56.5	23.3	24.8	34.1	46.8	0.3	46	1.0	0.29	0.0	55.4	63.0	66.8	91.8	46.6
526	R00Y_075_025$_{de}$	0.75	0.5	0.5	0.75	0.25	0.625	390	0.75	0.5	0.565	60.4	19.5	9.3	21.6	25.4	0.76	0.549	0.54	60.2	19.3	9.0	21.3	25.1	0.4	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
527	R00Y_075_025$_{de}$	0.75	0.5	0.625	0.75	0.25	0.625	360	0.75	0.5	0.654	60.9	20.9	−2.9	21.1	352.0	0.746	0.555	0.631	60.8	20.6	−2.8	20.8	352.1	0.2	352	1.0	0.0	0.617	52.9	83.6	−11.6	84.4	352.0
528	B50R_075_025$_{de}$	0.75	0.5	0.75	0.75	0.25	0.625	330	0.75	0.5	0.747	62.0	23.5	−14.3	27.5	328.6	0.741	0.562	0.726	61.8	23.3	−14.4	27.4	328.2	0.2	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
529	B34R_087_037$_{de}$	0.75	0.5	0.875	0.875	0.375	0.687	311	0.666	0.5	0.875	61.6	29.6	−34.5	45.5	310.5	0.702	0.549	0.869	61.4	29.3	−34.7	45.4	310.2	0.3	296	0.444	0.0	1.0	37.0	79.0	−92.2	121.5	310.5
530	B25R_100_050$_{de}$	0.75	0.5	1.0	1.0	0.5	0.75	300	0.5	0.635	1.0	66.8	26.3	−45.3	52.4	300.1	0.68	0.62	1.0	66.5	25.7	−44.3	51.3	300.1	1.2	254	0.0	0.27	1.0	38.2	52.7	−90.7	104.9	300.1
531	R85Y_075_075$_{de}$	0.75	0.625	0.0	0.75	0.75	0.375	81	0.75	0.557	0.0	57.6	8.0	59.7	60.2	82.2	0.727	0.543	0.063	57.5	7.7	60.3	60.8	82.6	0.7	75	1.0	0.742	0.0	76.8	10.7	79.6	80.3	82.2
532	R81Y_075_062$_{de}$	0.75	0.625	0.125	0.75	0.625	0.437	79	0.75	0.574	0.125	59.1	8.6	49.3	50.0	80.0	0.739	0.558	0.212	59.0	8.3	49.6	50.3	80.4	0.4	74	1.0	0.719	0.0	75.5	13.8	78.9	80.1	80.0
533	R76Y_075_050$_{de}$	0.75	0.625	0.25	0.75	0.5	0.5	76	0.75	0.592	0.25	60.6	9.1	38.8	39.9	76.7	0.748	0.573	0.319	60.4	8.9	38.8	39.8	77.0	0.2	72	1.0	0.684	0.0	73.5	18.3	77.7	79.8	76.7
534	R68Y_075_037$_{de}$	0.75	0.625	0.375	0.75	0.375	0.562	71	0.75	0.609	0.375	62.0	9.6	28.1	29.7	71.1	0.753	0.59	0.418	61.9	9.4	27.8	29.4	71.1	0.3	68	1.0	0.626	0.0	70.1	25.6	75.1	79.3	71.1
535	R50Y_075_025$_{de}$	0.75	0.625	0.5	0.75	0.25	0.625	60	0.75	0.621	0.5	63.4	10.6	17.7	20.6	58.8	0.757	0.604	0.51	63.3	10.7	17.3	20.3	58.1	0.4	59	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8
536	R00Y_075_012$_{de}$	0.75	0.625	0.625	0.75	0.125	0.687	390	0.75	0.625	0.657	65.9	9.7	4.6	10.8	25.4	0.749	0.637	0.629	65.8	9.7	4.6	10.8	25.4	0.1	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
537	B50R_075_012$_{de}$	0.75	0.625	0.75	0.75	0.125	0.687	330	0.75	0.625	0.748	66.7	11.7	−7.1	13.7	328.6	0.734	0.644	0.725	66.5	11.6	−7.3	13.7	328.0	0.2	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
538	B25R_087_025$_{de}$	0.75	0.625	0.875	0.875	0.25	0.75	300	0.625	0.692	0.875	69.1	13.1	−22.6	26.2	300.1	0.71	0.672	0.868	68.9	13.0	−22.9	26.3	299.6	0.3	254	0.0	0.27	1.0	38.2	52.7	−90.7	104.9	300.1
539	B15R_100_037$_{de}$	0.75	0.625	1.0	1.0	0.375	0.812	289	0.625	0.79	1.0	77.6	10.1	−28.1	29.9	289.7	0.755	0.777	1.0	77.4	9.6	−27.3	28.9	289.4	0.9	243	0.0	0.44	1.0	47.9	26.9	−75.0	79.7	289.7
540	Y00G_075_075$_{de}$	0.75	0.75	0.0	0.75	0.75	0.375	90	0.75	0.642	0.0	62.7	−2.5	63.3	63.4	92.3	0.728	0.622	0.072	62.6	−2.5	63.9	63.9	92.2	0.5	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
541	Y00G_075_062$_{de}$	0.75	0.75	0.125	0.75	0.625	0.437	90	0.75	0.66	0.125	64.2	−2.1	52.8	52.8	92.3	0.738	0.638	0.232	64.0	−2.1	52.8	52.8	92.3	0.1	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
542	Y00G_075_050$_{de}$	0.75	0.75	0.25	0.75	0.5	0.5	90	0.75	0.678	0.25	65.7	−1.7	42.2	42.2	92.3	0.745	0.655	0.341	65.6	−1.7	42.1	42.2	92.3	0.1	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
543	Y00G_075_037$_{de}$	0.75	0.75	0.375	0.75	0.375	0.562	90	0.75	0.696	0.375	67.1	−1.2	31.6	31.7	92.3	0.746	0.671	0.441	67.0	−1.3	31.4	31.4	92.5	0.2	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
544	Y00G_075_025$_{de}$	0.75	0.75	0.5	0.75	0.25	0.625	90	0.75	0.714	0.5	68.6	−0.8	21.1	21.1	92.3	0.744	0.688	0.536	68.4	−0.8	20.8	20.8	92.4	0.3	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
545	Y00G_075_012$_{de}$	0.75	0.75	0.625	0.75	0.125	0.687	90	0.75	0.732	0.625	70.0	−0.4	10.5	10.5	92.3	0.736	0.706	0.629	69.9	−0.5	10.5	10.5	93.0	0.2	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
546	NW_075$_{de}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	71.5	0.0	0.0	0.0	0.0	0.721	0.724	0.724	71.3	−0.1	0.0	0.2	207.8	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
547	B00R_087_012$_{de}$	0.75	0.75	0.875	0.875	0.125	0.812	270	0.75	0.826	0.875	78.9	0.2	−7.0	7.0	271.7	0.78	0.809	0.862	78.8	0.1	−7.2	7.2	270.8	0.2	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
548	B00R_100_025$_{de}$	0.75	0.75	1.0	1.0	0.25	0.875	270	0.75	0.902	1.0	86.3	0.4	−14.1	14.1	271.7	0.837	0.897	1.0	86.2	0.1	−13.8	13.8	270.5	0.4	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
549	Y13G_087_087$_{de}$	0.75	0.875	0.0	0.875	0.875	0.437	98	0.875	0.86	0.0	80.1	−16.2	78.8	80.5	101.6	0.862	0.845	0.05	80.0	−16.3	79.2	80.8	101.6	0.3	89	1.0	0.983	0.0	91.5	−18.5	90.1	92.0	101.6
550	Y15G_087_075$_{de}$	0.75	0.875	0.125	0.875	0.75	0.5	99	0.875	0.874	0.125	81.3	−15.4	68.0	69.7	102.7	0.871	0.858	0.264	81.3	−15.5	68.0	69.7	102.8	0.0	89	1.0	0.999	0.0	92.6	−20.6	90.7	93.0	102.7
551	Y18G_087_062$_{de}$	0.75	0.875	0.25	0.875	0.625	0.562	101	0.852	0.875	0.25	81.3	−15.2	56.3	58.3	105.1	0.856	0.859	0.383	81.2	−15.2	56.1	58.1	105.2	0.2	91	0.963	1.0	0.0	92.0	−24.3	90.1	93.3	105.1
552	Y23G_087_050$_{de}$	0.75	0.875	0.375	0.875	0.5	0.625	104	0.828	0.875	0.375	81.2	−14.9	44.4	46.9	108.6	0.836	0.859	0.485	81.1	−15.0	44.2	46.7	108.8	0.2	94	0.906	1.0	0.0	91.0	−29.9	88.9	93.8	108.6
553	Y31G_087_037$_{de}$	0.75	0.875	0.5	0.875	0.375	0.687	109	0.802	0.875	0.5	81.2	−14.8	32.6	35.8	114.4	0.81	0.86	0.578	81.1	−15.0	32.6	35.9	114.7	0.2	100	0.806	1.0	0.0	89.4	−39.5	87.0	95.6	114.4
554	Y50G_087_025$_{de}$	0.75	0.875	0.625	0.875	0.25	0.75	120	0.757	0.875	0.625	81.1	−15.7	20.7	26.0	127.2	0.77	0.864	0.67	81.0	−15.9	20.8	26.2	127.4	0.2	118	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2
555	G00B_087_012$_{de}$	0.75	0.875	0.75	0.875	0.125	0.812	150	0.75	0.875	0.838	82.2	−8.0	2.5	8.4	162.2	0.784	0.863	0.824	82.1	−8.2	2.5	8.6	162.7	0.2	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
556	G50B_087_012$_{de}$	0.75	0.875	0.875	0.875	0.125	0.812	210	0.75	0.861	0.875	81.4	−4.2	−3.2	5.3	216.9	0.786	0.847	0.86	81.3	−4.4	−3.2	5.5	216.4	0.1	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
557	G75B_100_025$_{de}$	0.75	0.875	1.0	1.0	0.25	0.875	240	0.75	0.94	1.0	89.0	−4.7	−9.9	10.9	244.3	0.839	0.939	1.0	88.9	−5.0	−9.8	11.0	242.8	0.3	223	0.0	0.763	1.0	70.0	−19.0	−39.6	43.9	244.3
558	Y23G_100_100$_{de}$	0.75	1.0	0.0	1.0	1.0	0.5	104	0.906	1.0	0.0	91.0	−29.9	88.9	93.8	108.6	0.906	1.0	0.0	90.9	−30.0	88.7	93.6	108.6	0.2	94	0.906	1.0	0.0	91.0	−29.9	88.9	93.8	108.6
559	Y26G_100_087$_{de}$	0.75	1.0	0.125	1.0	0.875	0.562	106	0.884	1.0	0.125	90.9	−29.5	77.0	82.4	110.9	0.895	0.999	0.268	90.9	−29.5	77.0	82.5	110.9	0.1	96	0.868	1.0	0.0	90.3	−33.7	88.0	94.2	110.9
560	Y31G_100_075$_{de}$	0.75	1.0	0.25	1.0	0.75	0.625	109	0.854	1.0	0.25	90.9	−29.6	65.3	71.7	114.4	0.874	1.0	0.398	90.8	−29.7	65.1	71.6	114.5	0.1	100	0.806	1.0	0.0	89.4	−39.5	87.0	95.6	114.4
561	Y38G_100_062$_{de}$	0.75	1.0	0.375	1.0	0.625	0.687	113	0.824	1.0	0.375	90.8	−29.7	53.4	61.1	119.1	0.851	1.0	0.509	90.7	−29.6	53.0	60.7	119.1	0.4	105	0.719	1.0	0.0	88.1	−47.6	85.4	97.8	119.1
562	Y50G_100_050$_{de}$	0.75	1.0	0.5	1.0	0.5	0.75	120	0.764	1.0	0.5	90.7	−31.5	41.4	52.0	127.2	0.803	1.0	0.607	90.2	−31.1	41.0	51.5	127.1	0.6	118	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2
563	Y68G_100_037$_{de}$	0.75	1.0	0.625	1.0	0.375	0.812	131	0.625	1.0	0.727	91.0	−30.0	25.1	39.1	140.0	0.771	1.0	0.744	90.3	−29.0	24.2	37.8	140.0	1.4	165	0.0	1.0	0.273	83.8	−80.1	67.0	104.4	140.0
564	G00B_100_025$_{de}$	0.75	1.0	0.75	1.0	0.25	0.875	150	0.75	1.0	0.926	92.8	−16.1	5.1	16.9	162.2	0.844	1.0	0.926	92.3	−15.5	4.5	16.2	163.7	0.9	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
565	G25B_100_025$_{de}$	0.75	1.0	0.875	1.0	0.25	0.875	180	0.75	1.0	0.987	93.1	−12.4	−2.1	12.6	189.6	0.852	1.0	0.988	92.8	−12.0	−2.5	12.3	192.0	0.7	207	0.0	1.0	0.951	86.5	−49.9	−8.4	50.6	189.6
566	G50B_100_025$_{de}$	0.75	1.0	1.0	1.0	0.25	0.875	210	0.75	0.972	1.0	91.3	−8.5	−6.4	10.7	216.9	0.847	0.974	1.0	91.2	−8.7	−6.4	10.8	216.1	0.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9

delta E'^* = **0.4**

3−1132130−F0

QF520−7N, 22/29−F

graphique TUB-QF52; code de teinte: H^*_e=Y50G_e
couleurs et différences, $\Delta E'^*$

entrée : *rgb/cmyk* −> rgb_{de}
sortie : linéarisation 3D selon rgb^*_{de}

voir fichiers similaires: http://130.149.60.45/~farbmetrik/QF52/QF52.HTM
informations techniques: http://www.ps.bam.de ou http://130.149.60.45/~farbmetrik

3−1132130−F0

QF5211S

TUB enregistrement: 20130201-QF52/QF52L0FP.PDF /.PS
application pour la mesure de sortie sur ècran, aucune séparation

TUB matériel: code=rha4ta

http://130.149.60.45/~farbmetrik/QF52/QF52L0FP.PDF /.PS; linéarisation 3D
F: linéarisation 3D QF52/QF52LF30FP.DAT dans fichier (F), páge 23/29

n	HIC*Fde	rgb_Fde			ict_Fde			hsi_F,de	rgb*Fde			LabCh*Fde					rgb'*Fde			LabCh'*Fde					DE'*Fde	hsiM,de	rgb*Mde			LabCh*Mde				
567	R00Y_087_087de	0.875	0.0	0.0	0.875	0.875	0.437	390	0.875	0.0	0.23	44.5	68.5	32.6	75.8	25.4	0.864	0.053	0.232	44.3	68.9	32.4	76.1	25.2	0.4	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
568	R36Y_087_087de	0.875	0.0	0.125	0.875	0.875	0.437	382	0.875	0.0	0.315	44.8	69.4	20.6	72.4	16.5	0.863	0.055	0.317	44.6	69.7	20.2	72.6	16.1	0.5	369	1.0	0.0	0.36	51.3	79.3	23.5	82.7	16.5
569	R23Y_087_087de	0.875	0.0	0.25	0.875	0.875	0.437	374	0.875	0.0	0.395	45.3	70.7	9.5	71.4	7.6	0.865	0.049	0.395	45.1	71.2	9.0	71.7	7.2	0.6	363	1.0	0.0	0.452	51.7	80.8	10.8	81.6	7.6
570	R08Y_087_087de	0.875	0.0	0.375	0.875	0.875	0.437	365	0.875	0.0	0.487	45.9	72.4	−2.9	72.4	357.6	0.864	0.051	0.484	45.7	72.8	−3.5	72.8	357.1	0.7	356	1.0	0.0	0.557	52.5	82.7	−3.4	82.8	357.6
571	B70R_087_087de	0.875	0.0	0.5	0.875	0.875	0.437	355	0.875	0.0	0.538	46.3	73.1	−9.8	73.8	352.3	0.863	0.059	0.534	46.1	73.5	−10.3	74.3	351.9	0.6	352	1.0	0.0	0.615	52.9	83.5	−11.2	84.3	352.3
572	B63R_087_087de	0.875	0.0	0.625	0.875	0.875	0.437	346	0.875	0.0	0.632	47.2	75.5	−21.9	78.6	343.7	0.864	0.057	0.622	47.0	75.9	−22.0	79.0	343.7	0.4	345	1.0	0.0	0.723	53.9	86.3	−25.1	89.9	343.7
573	B56R_087_087de	0.875	0.0	0.75	0.875	0.875	0.437	338	0.875	0.0	0.735	48.3	78.3	−34.5	85.6	336.1	0.862	0.061	0.722	48.0	78.6	−34.8	86.0	336.0	0.4	338	1.0	0.0	0.84	55.2	89.5	−39.5	97.9	336.1
574	B50R_087_087de	0.875	0.0	0.875	0.875	0.875	0.437	330	0.875	0.0	0.867	50.0	82.3	−50.2	96.5	328.6	0.861	0.068	0.853	49.8	82.7	−50.5	96.9	328.5	0.4	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
575	B44R_100_100de	0.875	0.0	1.0	1.0	1.0	0.5	323	0.837	0.0	1.0	50.7	88.7	−69.4	112.6	321.9	0.837	0.0	1.0	50.6	88.6	−69.4	112.5	321.9	0.1	321	0.837	0.0	1.0	50.7	88.7	−69.4	112.6	321.9
576	R13Y_087_087de	0.875	0.125	0.0	0.875	0.875	0.437	38	0.875	0.0	0.122	44.3	67.7	46.4	82.1	34.3	0.864	0.052	0.13	44.1	68.2	46.2	82.4	34.1	0.4	382	1.0	0.0	0.14	50.6	77.4	53.0	93.8	34.3
577	R00Y_087_075de	0.875	0.125	0.125	0.875	0.75	0.5	390	0.875	0.125	0.322	50.1	58.7	27.9	65.0	25.4	0.884	0.266	0.313	50.0	58.7	27.7	65.0	25.3	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
578	R35Y_087_075de	0.875	0.125	0.25	0.875	0.75	0.5	381	0.875	0.125	0.404	50.4	59.4	16.4	61.6	15.4	0.88	0.269	0.397	50.3	59.5	16.0	61.6	15.1	0.3	368	1.0	0.0	0.373	51.3	79.2	21.9	82.2	15.4
579	R18Y_087_075de	0.875	0.125	0.375	0.875	0.75	0.5	371	0.875	0.125	0.489	50.9	60.8	4.5	61.0	4.3	0.878	0.271	0.482	50.8	60.9	4.1	61.1	3.9	0.4	360	1.0	0.0	0.486	51.9	81.1	6.1	81.3	4.3
580	R00Y_087_075de	0.875	0.125	0.5	0.875	0.75	0.5	360	0.875	0.125	0.588	51.6	62.7	−8.7	63.3	352.0	0.874	0.275	0.579	51.5	62.7	−8.9	63.4	351.8	0.2	352	1.0	0.0	0.617	52.9	83.6	−11.6	84.4	352.0
581	B65R_087_075de	0.875	0.125	0.625	0.875	0.75	0.5	349	0.875	0.125	0.639	52.1	64.1	−15.2	65.9	346.6	0.876	0.275	0.628	52.0	64.2	−15.2	66.0	346.6	0.1	347	1.0	0.0	0.686	53.6	85.5	−20.3	87.9	346.6
582	B57R_087_075de	0.875	0.125	0.75	0.875	0.75	0.5	339	0.875	0.125	0.743	53.2	66.8	−28.1	72.5	337.1	0.874	0.28	0.731	53.0	67.0	−28.3	72.7	337.1	0.2	339	1.0	0.0	0.824	55.0	89.1	−37.5	96.7	337.1
583	B50R_087_075de	0.875	0.125	0.875	0.875	0.75	0.5	330	0.875	0.125	0.868	54.8	70.6	−43.0	82.7	328.6	0.872	0.287	0.856	54.6	70.8	−43.3	83.0	328.5	0.3	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
584	B43R_100_087de	0.875	0.125	1.0	1.0	0.875	0.562	322	0.834	0.125	1.0	55.3	76.9	−62.2	98.9	321.0	0.847	0.271	1.0	55.2	76.9	−62.0	98.8	321.0	0.2	319	0.811	0.0	1.0	49.6	87.9	−71.1	113.0	321.0
585	R26Y_087_087de	0.875	0.25	0.0	0.875	0.875	0.437	46	0.875	0.173	0.0	46.4	60.9	57.4	83.7	43.3	0.863	0.187	0.019	46.1	61.5	57.3	84.1	43.0	0.6	40	1.0	0.198	0.0	53.0	69.6	65.6	95.7	43.3
586	R15Y_087_075de	0.875	0.25	0.125	0.875	0.75	0.5	39	0.875	0.125	0.217	49.8	57.9	41.3	71.1	35.5	0.887	0.265	0.213	49.7	57.9	41.5	71.2	35.6	0.2	383	1.0	0.0	0.123	50.5	77.2	55.0	94.8	35.5
587	R00Y_087_062de	0.875	0.25	0.25	0.875	0.625	0.562	390	0.875	0.25	0.414	55.6	48.9	23.3	54.2	25.4	0.899	0.388	0.399	55.6	48.8	23.0	54.0	25.2	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
588	R31Y_087_062de	0.875	0.25	0.375	0.875	0.625	0.562	379	0.875	0.25	0.497	56.0	49.9	11.7	51.2	13.2	0.893	0.391	0.484	55.9	49.8	11.4	51.1	12.9	0.3	366	1.0	0.0	0.395	51.4	79.8	18.7	82.0	13.2
589	R11Y_087_062de	0.875	0.25	0.5	0.875	0.625	0.562	367	0.875	0.25	0.583	56.5	51.3	−0.1	51.3	359.8	0.888	0.394	0.57	56.4	51.2	−0.2	51.2	359.7	0.1	357	1.0	0.0	0.533	52.3	82.1	−0.2	82.1	359.8
590	B69R_087_062de	0.875	0.25	0.625	0.875	0.625	0.562	353	0.875	0.25	0.648	57.0	52.5	−8.8	53.3	350.4	0.884	0.398	0.636	56.9	52.4	−8.7	53.1	350.4	0.1	350	1.0	0.0	0.637	53.1	84.1	−14.2	85.3	350.4
591	B59R_087_062de	0.875	0.25	0.75	0.875	0.625	0.562	341	0.875	0.25	0.745	58.0	55.1	−21.1	59.0	339.0	0.882	0.403	0.734	57.9	55.0	−21.1	58.9	339.0	0.1	341	1.0	0.0	0.793	54.7	88.2	−33.8	94.5	339.0
592	B50R_087_062de	0.875	0.25	0.875	0.875	0.625	0.562	330	0.875	0.25	0.869	59.5	58.8	−35.9	68.9	328.6	0.879	0.411	0.859	59.5	58.8	−35.9	68.9	328.5	0.1	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
593	B42R_100_075de	0.875	0.25	1.0	1.0	0.75	0.625	321	0.838	0.25	1.0	60.3	65.2	−54.6	85.1	320.0	0.861	0.401	1.0	60.2	65.0	−54.0	84.6	320.2	0.6	318	0.784	0.0	1.0	48.6	87.0	−72.8	113.5	320.0
594	R41Y_087_087de	0.875	0.375	0.0	0.875	0.875	0.437	55	0.875	0.358	0.0	52.2	45.0	60.4	75.4	53.3	0.863	0.361	0.021	52.2	45.0	60.6	75.5	53.4	0.1	54	1.0	0.41	0.0	59.7	51.4	69.1	86.1	53.3
595	R31Y_087_075de	0.875	0.375	0.125	0.875	0.75	0.5	49	0.875	0.342	0.125	53.4	47.3	50.1	68.9	46.6	0.885	0.366	0.169	53.4	47.2	50.5	69.1	46.9	0.4	46	1.0	0.29	0.0	55.4	63.0	66.8	91.8	46.6
596	R18Y_087_062de	0.875	0.375	0.25	0.875	0.625	0.562	41	0.875	0.25	0.288	55.4	48.2	37.3	61.0	37.7	0.906	0.385	0.294	55.4	48.1	37.3	60.9	37.7	0.1	386	1.0	0.0	0.062	50.5	77.2	59.7	97.6	37.7
597	R00Y_087_050de	0.875	0.375	0.375	0.875	0.5	0.625	390	0.875	0.375	0.506	61.2	39.1	18.6	43.3	25.4	0.908	0.492	0.486	61.2	39.0	18.4	43.1	25.2	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
598	R26Y_087_050de	0.875	0.375	0.5	0.875	0.5	0.625	376	0.875	0.375	0.589	61.6	40.2	7.0	40.8	9.8	0.899	0.496	0.572	61.6	39.9	7.0	40.6	9.9	0.2	364	1.0	0.0	0.429	51.6	80.5	14.0	81.7	9.8
599	R00Y_087_050de	0.875	0.375	0.625	0.875	0.5	0.625	360	0.875	0.375	0.683	62.2	41.8	−5.8	42.2	352.0	0.889	0.502	0.67	62.2	41.4	−5.6	41.8	352.2	0.4	352	1.0	0.0	0.617	52.9	83.6	−11.6	84.4	352.0
600	B61R_087_050de	0.875	0.375	0.75	0.875	0.5	0.625	344	0.875	0.375	0.748	62.8	43.3	−14.1	45.6	341.8	0.885	0.506	0.737	62.9	43.0	−14.0	45.2	341.9	0.3	344	1.0	0.0	0.747	54.1	86.7	−28.3	91.2	341.8
601	B50R_087_050de	0.875	0.375	0.875	0.875	0.5	0.625	330	0.875	0.375	0.87	64.3	47.0	−28.7	55.1	328.6	0.884	0.515	0.86	64.3	46.8	−28.6	54.9	328.5	0.2	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
602	B40R_100_062de	0.875	0.375	1.0	1.0	0.625	0.687	319	0.83	0.375	1.0	64.8	53.3	−47.7	71.5	318.1	0.862	0.501	1.0	64.5	53.3	−47.1	71.2	318.5	0.6	314	0.729	0.0	1.0	46.5	85.3	−76.3	114.5	318.1
603	R58Y_087_087de	0.875	0.5	0.0	0.875	0.875	0.437	65	0.875	0.483	0.0	58.0	30.5	63.9	70.8	64.4	0.863	0.481	0.024	58.0	30.3	64.2	71.0	64.6	0.2	63	1.0	0.552	0.0	66.3	34.9	73.1	81.0	64.4
604	R50Y_087_075de	0.875	0.5	0.125	0.875	0.75	0.5	60	0.875	0.49	0.125	59.2	32.0	53.1	62.0	58.8	0.88	0.49	0.19	59.2	31.7	53.6	62.3	59.3	0.6	59	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8
605	R38Y_087_062de	0.875	0.5	0.25	0.875	0.625	0.562	53	0.875	0.487	0.25	60.3	34.3	42.5	54.7	51.0	0.898	0.495	0.296	60.3	34.1	42.6	54.6	51.3	0.2	52	1.0	0.379	0.0	58.3	54.9	68.1	87.5	51.0
606	R23Y_087_050de	0.875	0.5	0.375	0.875	0.5	0.625	44	0.875	0.426	0.375	61.4	37.2	32.4	49.3	41.0	0.918	0.498	0.387	61.4	37.0	32.3	49.1	41.0	0.2	35	1.0	0.102	0.0	51.3	74.4	64.8	98.7	41.0
607	R00Y_087_037de	0.875	0.5	0.5	0.875	0.375	0.687	390	0.875	0.5	0.598	66.8	29.3	13.9	32.5	25.4	0.908	0.586	0.574	66.6	29.3	13.8	32.4	25.2	0.1	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
608	R18Y_087_037de	0.875	0.5	0.625	0.875	0.375	0.687	371	0.875	0.5	0.682	67.1	30.4	2.2	30.5	4.3	0.895	0.59	0.663	67.0	30.4	2.2	30.5	4.2	0.1	360	1.0	0.0	0.486	51.9	81.1	6.1	81.3	4.3
609	B65R_087_037de	0.875	0.5	0.75	0.875	0.375	0.687	349	0.875	0.5	0.757	67.8	32.0	−7.6	32.9	346.6	0.888	0.595	0.743	67.6	32.1	−7.7	33.0	346.5	0.1	347	1.0	0.0	0.686	53.6	85.5	−20.3	87.9	346.6
610	B50R_087_037de	0.875	0.5	0.875	0.875	0.375	0.687	330	0.875	0.5	0.871	69.1	35.3	−21.5	41.3	328.6	0.884	0.604	0.861	69.0	35.4	−21.6	41.5	328.5	0.2	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
611	B38R_100_050de	0.875	0.5	1.0	1.0	0.5	0.75	316	0.819	0.5	1.0	69.3	41.4	−40.9	58.2	315.3	0.855	0.595	1.0	69.0	41.1	−40.1	57.4	315.7	0.9	309	0.638	0.0	1.0	43.2	82.9	−81.9	116.5	315.3
612	R73Y_087_087de	0.875	0.625	0.0	0.875	0.875	0.437	74	0.875	0.578	0.0	63.1	18.6	67.1	69.7	74.4	0.862	0.571	0.031	63.0	18.6	67.3	69.8	74.5	0.2	70	1.0	0.661	0.0	72.1	21.3	76.7	79.6	74.4
613	R68Y_087_075de	0.875	0.625	0.125	0.875	0.75	0.5	71	0.875	0.594	0.125	64.5	19.2	56.3	59.5	71.1	0.876	0.585	0.209	64.4	19.2	56.6	59.8	71.2	0.3	68	1.0	0.626	0.0	70.1	25.6	75.1	79.3	71.1
614	R61Y_087_062de	0.875	0.625	0.25	0.875	0.625	0.562	67	0.875	0.61	0.25	66.1	19.8	46.1	50.2	66.6	0.89	0.601	0.32	65.9	19.9	46.1	50.2	66.6	0.1	65	1.0	0.576	0.0	67.6	31.8	73.8	80.4	66.6
615	R50Y_087_050de	0.875	0.625	0.375	0.875	0.5	0.625	60	0.875	0.618	0.375	67.3	21.3	35.4	41.3	58.8	0.901	0.611	0.42	67.1	21.4	35.1	41.1	58.5	0.3	59	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8
616	R31Y_087_037de	0.875	0.625	0.5	0.875	0.375	0.687	49	0.875	0.608	0.5	68.4	23.6	25.0	34.4	46.6	0.914	0.619	0.512	68.3	23.8	24.6	34.3	45.9	0.4	46	1.0	0.29	0.0	55.4	63.0	66.8	91.8	46.6
617	R00Y_087_025de	0.875	0.625	0.625	0.875	0.25	0.75	390	0.875	0.625	0.69	72.3	19.5	9.3	21.6	25.4	0.9	0.678	0.666	72.1	19.5	9.2	21.6	25.2	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
618	R00Y_087_025de	0.875	0.625	0.75	0.875	0.25	0.75	360	0.875	0.625	0.779	72.8	20.9	−2.9	21.1	352.0	0.884	0.683	0.763	72.6	20.9	−3.0	21.1	351.7	0.2	352	1.0	0.0	0.617	52.9	83.6	−11.6	84.4	352.0
619	B50R_087_025de	0.875	0.625	0.875	0.875	0.25	0.75	330	0.875	0.625	0.872	73.9	23.5	−14.3	27.5	328.6	0.88	0.692	0.861	73.7	23.6	−14.5	27.7	328.3	0.2	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
620	B34R_100_037de	0.875	0.625	1.0	1.0	0.375	0.812	311	0.791	0.625	1.0	73.5	29.6	−34.5	45.5	310.5	0.841	0.677	1.0	73.2	29.2	−33.6	44.5	310.9	1.0	296	0.444	0.0	1.0	37.0	79.0	−92.2	121.5	310.5
621	R86Y_087_087de	0.875	0.75	0.0	0.875	0.875	0.437	82	0.875	0.66	0.0	67.8	8.1	70.0	70.5	83.4	0.861	0.65	0.04	67.6	8.1	70.3	70.8	83.3	0.3	76	1.0	0.754	0.0	77.5	9.2	80.0	80.5	83.4
622	R85Y_087_075de	0.875	0.75	0.125	0.875	0.75	0.5	81	0.875	0.682	0.125	69.5	8.0	59.7	60.2	82.2	0.874	0.669	0.226	69.4	8.1	59.8	60.4	82.2	0.2	75	1.0	0.742	0.0	76.8	10.7	79.6	80.3	82.2
623	R81Y_087_062de	0.875	0.75	0.25	0.875	0.625	0.562	79	0.875	0.699	0.25	71.0	8.6	49.3	50.0	80.0	0.884	0.685	0.341	70.8	8.6	49.2	50.0	79.9	0.1	74	1.0	0.719	0.0	75.5	13.8	78.9	80.1	80.0
624	R76Y_087_050de	0.875	0.75	0.375	0.875	0.5	0.625	76	0.875	0.717	0.375	72.5	9.1	38.8	39.9	76.7	0.892	0.702	0.443	72.3	9.1	38.6	39.7	76.6	0.2	72	1.0	0.684	0.0	73.5	18.3	77.7	79.8	76.7
625	R68Y_087_037de	0.875	0.75	0.5	0.875	0.375	0.687	71	0.875	0.734	0.5	74.0	9.6	28.1	29.7	71.1	0.894	0.72	0.542	73.8	9.6	27.9	29.5	70.9	0.2	68	1.0	0.626	0.0	70.1	25.6	75.1	79.3	71.1
626	R50Y_087_025de	0.875	0.75	0.625	0.875	0.25	0.75	60	0.875	0.746	0.625	75.4	10.6	17.7	20.6	58.8	0.897	0.735	0.635	75.2	10.7	17.7	20.7	58.8	0.1	59	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8
627	R00Y_087_012de	0.875	0.75	0.75	0.875	0.125	0.812	390	0.875	0.75	0.782	77.9	9.7	4.6	10.8	25.4	0.886	0.769	0.762	77.8	9.7	4.6	10.8	25.3	0.1	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
628	B50R_087_012de	0.875	0.75	0.875	0.875	0.125	0.812	330	0.875	0.75	0.873	78.7	11.7	−7.1	13.7	328.6	0.872	0.777	0.861	78.5	11.7	−7.2	13.8	328.2	0.1	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
629	B25R_100_025de	0.875	0.75	1.0	1.0	0.25	0.875	300	0.75	0.817	1.0	81.1	13.1	−22.6	26.2	300.1	0.848	0.806	1.0	80.9	12.7	−21.8	25.3	300.2	0.9	254	0.0	0.27	1.0	38.2	52.7	−90.7	104.9	300.1
630	Y00G_087_087de	0.875	0.875	0.0	0.875	0.875	0.437	90	0.875	0.749	0.0	73.2	−2.9	73.9	74.0	92.3	0.862	0.737	0.042	73.1	−2.9	74.2	74.3	92.2	0.3	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
631	Y00G_087_075de	0.875	0.875	0.125	0.875	0.75	0.5	90	0.875	0.767	0.125	74.7	−2.5	63.3	63.4	92.3	0.874	0.754	0.243	74.6	−2.5	63.3	63.3	92.2	0.1	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
632	Y00G_087_062de	0.875	0.875	0.25	0.875	0.625	0.562	90	0.875	0.785	0.25	76.1	−2.1	52.8	52.8	92.3	0.881	0.77	0.362	76.0	−2.1	52.6	52.7	92.3	0.1	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
633	Y00G_087_050de	0.875	0.875	0.375	0.875	0.5	0.625	90	0.875	0.803	0.375	77.6	−1.7	42.2	42.2	92.3	0.885	0.787	0.467	77.5	−1.7	42.0	42.0	92.3	0.2	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
634	Y00G_087_037de	0.875	0.875	0.5	0.875	0.375	0.687	90	0.875	0.821	0.5	79.1	−1.2	31.6	31.7	92.3	0.885	0.804	0.566	78.9	−1.4	31.5	31.6	92.5	0.2	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
635	Y00G_087_025de	0.875	0.875	0.625	0.875	0.25	0.75	90	0.875	0.839	0.625	80.5	−0.8	21.1	21.1	92.3	0.881	0.823	0.663	80.4	−1.0	21.2	21.2	92.8	0.2	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
636	Y00G_087_012de	0.875	0.875	0.75	0.875	0.125	0.812	90	0.875	0.857	0.75	82.0	−0.4	10.5	10.5	92.3	0.873	0.841	0.761	81.9	−0.5	10.5	10.5	92.8	0.1	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
637	NW_087de	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	83.4	0.0	0.0	0.0	0.0	0.858	0.86	0.86	83.3	0.0	0.0	0.1	212.6	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
638	B00R_100_012de	0.875	0.875	1.0	1.0	0.125	0.937	270	0.875	0.951	1.0	90.8	0.2	−7.0	7.0	271.7	0.918	0.947	1.0	90.7	0.0	−6.9	6.9	270.0	0.2	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
639	Y11G_100_100de	0.875	1.0	0.0	1.0	1.0	0.5	97	1.0	0.966	0.0	90.5	−16.5	89.4	91.0	100.4	1.0	0.966	0.0	90.5	−16.7	89.1	90.7	100.6	0.3	88	1.0	0.966	0.0	90.5	−16.5	89.4	91.0	100.4
640	Y13G_100_087de	0.875	1.0	0.125	1.0	0.875	0.562	98	1.0	0.985	0.125	92.0	−16.2	78.8	80.5	101.6	1.0	0.984	0.267	91.8	−17.5	78.6	80.5	102.5	1.3	89	1.0	0.983	0.0	91.5	−18.5	90.1	92.0	101.6
641	Y15G_100_075de	0.875	1.0	0.25	1.0	0.75	0.625	99	1.0	0.999	0.25	93.3	−15.4	68.0	69.7	102.7	1.0	0.998	0.404	92.9	−17.4	67.5	69.7	104.4	2.0	89	1.0	0.999	0.0	92.6	−20.6	90.7	93.0	102.7
642	Y18G_100_062de	0.875	1.0	0.375	1.0	0.625	0.687	101	0.977	1.0	0.375	93.2	−15.2	56.3	58.3	105.1	1.0	0.998	0.514	93.2	−15.4	56.1	58.2	105.4	0.3	91	0.963	1.0	0.0	92.0	−24.3	90.1	93.3	105.1
643	Y23G_100_050de	0.875	1.0	0.5	1.0	0.5	0.75	104	0.953	1.0	0.5	93.2	−14.9	44.4	46.9	108.6	0.98	0.999	0.613	93.1	−15.0	44.6	47.0	108.6	0.1	94	0.906	1.0	0.0	91.0	−29.9	88.9	93.8	108.6
644	Y31G_100_037de	0.875	1.0	0.625	1.0	0.375	0.812	109	0.927	1.0	0.625	93.1	−14.8	32.6	35.8	114.4	0.95	1.0	0.709	93.0	−15.0	32.7	36.0	114.6	0.2	100	0.806	1.0	0.0	89.4	−39.5	87.0	95.6	114.4
645	Y50G_100_025de	0.875	1.0	0.75	1.0	0.25	0.875	120	0.882	1.0	0.75	93.0	−15.7	20.7	26.0	127.2	0.907	1.0	0.805	92.7	−15.4	20.3	25.5	127.1	0.5	118	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2
646	G00B_100_012de	0.875	1.0	0.875	1.0	0.125	0.937	150	0.875	1.0	0.963	94.1	−8.0	2.5	8.4	162.2	0.922	1.0	0.963	93.8	−7.7	2.1	8.0	164.2	0.5	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
647	G50B_100_012de	0.875	1.0	1.0	1.0	0.125	0.937	210	0.875	0.986	1.0	93.3	−4.2	−3.2	5.3	216.9	0.924	0.987	1.0	93.3	−4.3	−3.2	5.4	216.5	0.1	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9

delta E'* = 0.3

3−1132230−F0

QF520−7N, 23/29−F

graphique TUB-QF52; code de teinte: H^*_e=$Y50G_e$
couleurs et différences, $\Delta E'^*$

entrée : *rgb/cmyk −> rgb*$_{de}$
sortie : linéarisation 3D selon *rgb**$_{de}$

voir fichiers similaires: http://130.149.60.45/~farbmetrik/QF52/QF52.HTM
informations techniques: http://www.ps.bam.de ou http://130.149.60.45/~farbmetrik

3−1132230−F0

QF5211S

TUB enregistrement: 20130201-QF52/QF52L0FP.PDF /.PS   TUB matériel: code=rha4ta
application pour la mesure de sortie sur ècran, aucune séparation

http://130.149.60.45/~farbmetrik/QF52/QF52L0FP.PDF /.PS; linéarisation 3D
F: linéarisation 3D QF52/QF52LF30FP.DAT dans fichier (F), páge 24/29

n	HIC*$_{Fde}$	*rgb*$_{\_Fde}$			*ict*$_{\_Fde}$			$h_{si\_F,de}$	*rgb**$_{Fde}$			*LabCh**$_{Fde}$					*rgb'**$_{Fde}$			*LabCh'**$_{Fde}$					*DE'**$_{Fde}$	$h_{siM,de}$	*rgb**$_{Mde}$			*LabCh**$_{Mde}$				
648	R00Y_100_100$_{de}$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4	1.0	0.0	0.264	50.9	78.1	37.1	86.5	25.4	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
649	R38Y_100_100$_{de}$	1.0	0.0	0.125	1.0	1.0	0.5	383	1.0	0.0	0.348	51.2	79.3	25.2	83.2	17.6	1.0	0.0	0.35	51.2	78.9	25.0	82.8	17.6	0.3	369	1.0	0.0	0.348	51.2	79.3	25.2	83.2	17.6
650	R26Y_100_100$_{de}$	1.0	0.0	0.25	1.0	1.0	0.5	376	1.0	0.0	0.429	51.6	80.5	14.0	81.7	9.8	1.0	0.0	0.431	51.6	80.0	13.7	81.2	9.7	0.6	364	1.0	0.0	0.429	51.6	80.5	14.0	81.7	9.8
651	R13Y_100_100$_{de}$	1.0	0.0	0.375	1.0	1.0	0.5	368	1.0	0.0	0.521	52.2	81.8	1.3	81.8	0.9	1.0	0.0	0.522	52.2	81.5	1.1	81.5	0.7	0.3	358	1.0	0.0	0.521	52.2	81.8	1.3	81.8	0.9
652	R00Y_100_100$_{de}$	1.0	0.0	0.5	1.0	1.0	0.5	360	1.0	0.0	0.617	52.9	83.6	−11.6	84.4	352.0	1.0	0.0	0.616	52.9	83.4	−11.5	84.2	352.1	0.1	352	1.0	0.0	0.617	52.9	83.6	−11.6	84.4	352.0
653	B68R_100_100$_{de}$	1.0	0.0	0.625	1.0	1.0	0.5	352	1.0	0.0	0.65	53.2	84.5	−15.7	85.9	349.4	1.0	0.0	0.647	53.2	84.1	−15.6	85.6	349.4	0.3	350	1.0	0.0	0.65	53.2	84.5	−15.7	85.9	349.4
654	B61R_100_100$_{de}$	1.0	0.0	0.75	1.0	1.0	0.5	344	1.0	0.0	0.747	54.1	86.7	−28.3	91.2	341.8	1.0	0.0	0.746	54.1	86.6	−28.2	91.1	341.9	0.1	344	1.0	0.0	0.747	54.1	86.7	−28.3	91.2	341.8
655	B55R_100_100$_{de}$	1.0	0.0	0.875	1.0	1.0	0.5	337	1.0	0.0	0.855	55.4	89.9	−41.4	99.0	335.2	1.0	0.0	0.854	55.3	89.7	−41.4	98.8	335.1	0.2	337	1.0	0.0	0.855	55.4	89.9	−41.4	99.0	335.2
656	B50R_100_100$_{de}$	1.0	0.0	1.0	1.0	1.0	0.5	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6	1.0	0.0	0.991	57.1	94.0	−57.4	110.2	328.5	0.0	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
657	R11Y_100_100$_{de}$	1.0	0.125	0.0	1.0	1.0	0.5	37	1.0	0.0	0.156	50.6	77.6	50.9	92.9	33.2	1.0	0.0	0.157	50.6	77.3	51.2	92.8	33.5	0.4	381	1.0	0.0	0.156	50.6	77.6	50.9	92.9	33.2
658	R00Y_100_087$_{de}$	1.0	0.125	0.125	1.0	0.875	0.562	390	1.0	0.125	0.355	56.4	68.5	32.6	75.8	25.4	1.0	0.274	0.346	55.4	67.0	30.9	73.8	24.8	2.4	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
659	R36Y_100_087$_{de}$	1.0	0.125	0.25	1.0	0.875	0.562	382	1.0	0.125	0.44	56.8	69.4	20.6	72.4	16.5	1.0	0.276	0.434	55.8	68.1	18.9	70.7	15.5	2.2	369	1.0	0.0	0.36	51.3	79.3	23.5	82.7	16.5
660	R23Y_100_087$_{de}$	1.0	0.125	0.375	1.0	0.875	0.562	374	1.0	0.125	0.52	57.2	70.7	9.5	71.4	7.6	1.0	0.25	0.5	55.5	71.3	9.0	71.8	7.2	1.8	363	1.0	0.0	0.452	51.7	80.8	10.8	81.6	7.6
661	R08Y_100_087$_{de}$	1.0	0.125	0.5	1.0	0.875	0.562	365	1.0	0.125	0.612	57.8	72.4	−2.9	72.4	357.6	1.0	0.279	0.607	57.0	71.4	−4.2	71.5	356.6	1.7	356	1.0	0.0	0.557	52.5	82.7	−3.4	82.8	357.6
662	B70R_100_087$_{de}$	1.0	0.125	0.625	1.0	0.875	0.562	355	1.0	0.125	0.663	58.2	73.1	−9.8	73.8	352.3	1.0	0.282	0.66	57.5	72.4	−10.8	73.2	351.4	1.4	352	1.0	0.0	0.615	52.9	83.5	−11.2	84.3	352.3
663	B63R_100_087$_{de}$	1.0	0.125	0.75	1.0	0.875	0.562	346	1.0	0.125	0.757	59.1	75.5	−21.9	78.6	343.7	1.0	0.285	0.749	58.3	74.7	−22.1	77.9	343.4	1.1	345	1.0	0.0	0.723	53.9	86.3	−25.1	89.9	343.7
664	B56R_100_087$_{de}$	1.0	0.125	0.875	1.0	0.875	0.562	338	1.0	0.125	0.86	60.2	78.3	−34.5	85.6	336.1	1.0	0.289	0.859	59.6	77.8	−35.6	85.6	335.4	1.3	338	1.0	0.0	0.84	55.2	89.5	−39.5	97.9	336.1
665	B50R_100_087$_{de}$	1.0	0.125	1.0	1.0	0.875	0.562	330	1.0	0.125	0.992	61.9	82.3	−50.2	96.5	328.6	1.0	0.296	0.994	61.3	82.1	−51.2	96.7	328.0	1.1	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
666	R23Y_100_100$_{de}$	1.0	0.25	0.0	1.0	1.0	0.5	44	1.0	0.102	0.0	51.3	74.4	64.8	98.7	41.0	0.999	0.102	0.0	51.2	74.7	64.8	98.9	40.9	0.2	35	1.0	0.102	0.0	51.3	74.4	64.8	98.7	41.0
667	R13Y_100_087$_{de}$	1.0	0.25	0.125	1.0	0.875	0.562	38	1.0	0.125	0.247	56.2	67.7	46.4	82.1	34.3	1.0	0.272	0.242	55.0	66.0	44.7	79.7	34.1	2.6	382	1.0	0.0	0.14	50.6	77.4	53.0	93.8	34.3
668	R00Y_100_075$_{de}$	1.0	0.25	0.25	1.0	0.75	0.625	390	1.0	0.25	0.447	62.0	58.7	27.9	65.0	25.4	1.0	0.409	0.432	60.5	55.4	25.5	61.0	24.7	4.3	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
669	R35Y_100_075$_{de}$	1.0	0.25	0.375	1.0	0.75	0.625	381	1.0	0.25	0.529	62.3	59.4	16.4	61.6	15.4	1.0	0.412	0.501	60.9	56.4	16.4	58.8	16.2	3.3	368	1.0	0.0	0.373	51.3	79.2	21.9	82.2	15.4
670	R18Y_100_075$_{de}$	1.0	0.25	0.5	1.0	0.75	0.625	371	1.0	0.25	0.614	62.8	60.8	4.5	61.0	4.3	1.0	0.415	0.605	61.6	58.5	2.9	58.6	2.8	3.0	360	1.0	0.0	0.486	51.9	81.1	6.1	81.3	4.3
671	R00Y_100_075$_{de}$	1.0	0.25	0.625	1.0	0.75	0.625	360	1.0	0.25	0.713	63.5	62.7	−8.7	63.3	352.0	1.0	0.42	0.709	62.6	60.9	−10.1	61.7	350.5	2.4	352	1.0	0.0	0.617	52.9	83.6	−11.6	84.4	352.0
672	B65R_100_075$_{de}$	1.0	0.25	0.75	1.0	0.75	0.625	349	1.0	0.25	0.764	64.0	64.1	−15.2	65.9	346.6	1.0	0.421	0.749	62.9	62.0	−15.1	63.8	346.2	2.3	347	1.0	0.0	0.686	53.6	85.5	−20.3	87.9	346.6
673	B57R_100_075$_{de}$	1.0	0.25	0.875	1.0	0.75	0.625	339	1.0	0.25	0.868	65.1	66.8	−28.1	72.5	337.1	1.0	0.427	0.868	64.2	65.4	−29.5	71.8	335.7	2.1	339	1.0	0.0	0.824	55.0	89.1	−37.5	96.7	337.1
674	B50R_100_075$_{de}$	1.0	0.25	1.0	1.0	0.75	0.625	330	1.0	0.25	0.993	66.7	70.6	−43.0	82.7	328.6	1.0	0.436	0.997	65.9	69.4	−44.3	82.4	327.4	1.8	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
675	R36Y_100_100$_{de}$	1.0	0.375	0.0	1.0	1.0	0.5	52	1.0	0.358	0.0	57.6	56.9	67.8	88.5	49.9	0.999	0.359	0.0	57.6	57.0	67.6	88.4	49.8	0.1	50	1.0	0.358	0.0	57.6	56.9	67.8	88.5	49.9
676	R26Y_100_087$_{de}$	1.0	0.375	0.125	1.0	0.875	0.562	46	1.0	0.298	0.125	58.3	60.9	57.4	83.7	43.3	1.0	0.344	0.161	57.2	59.0	56.4	81.7	43.7	2.4	40	1.0	0.198	0.0	53.0	69.6	65.6	95.7	43.3
677	R15Y_100_075$_{de}$	1.0	0.375	0.25	1.0	0.75	0.625	39	1.0	0.25	0.342	61.8	57.9	41.3	71.1	35.5	1.0	0.408	0.33	60.0	54.0	38.8	66.5	35.6	4.8	383	1.0	0.0	0.123	50.5	77.2	55.0	94.8	35.5
678	R00Y_100_062$_{de}$	1.0	0.375	0.375	1.0	0.625	0.687	390	1.0	0.375	0.539	67.6	48.9	23.3	54.2	25.4	1.0	0.5	0.5	64.7	46.4	21.9	51.3	25.2	3.9	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
679	R31Y_100_062$_{de}$	1.0	0.375	0.5	1.0	0.625	0.687	379	1.0	0.375	0.622	67.9	49.9	11.7	51.2	13.2	1.0	0.525	0.607	66.5	46.0	9.6	47.0	11.8	4.6	366	1.0	0.0	0.395	51.4	79.8	18.7	82.0	13.2
680	R11Y_100_062$_{de}$	1.0	0.375	0.625	1.0	0.625	0.687	367	1.0	0.375	0.708	68.4	51.3	−0.1	51.3	359.8	1.0	0.529	0.699	67.2	48.2	−1.8	48.2	357.7	3.7	357	1.0	0.0	0.533	52.3	82.1	−0.2	82.1	359.8
681	B69R_100_062$_{de}$	1.0	0.375	0.75	1.0	0.625	0.687	353	1.0	0.375	0.773	68.9	52.5	−8.8	53.3	350.4	1.0	0.5	0.75	66.3	53.2	−10.2	54.2	349.1	3.0	350	1.0	0.0	0.637	53.1	84.1	−14.2	85.3	350.4
682	B59R_100_062$_{de}$	1.0	0.375	0.875	1.0	0.625	0.687	341	1.0	0.375	0.87	69.9	55.1	−21.1	59.0	339.0	1.0	0.538	0.87	69.0	53.0	−22.5	57.6	336.9	2.7	341	1.0	0.0	0.793	54.7	88.2	−33.8	94.5	339.0
683	B50R_100_062$_{de}$	1.0	0.375	1.0	1.0	0.625	0.687	330	1.0	0.375	0.994	71.5	58.8	−35.9	68.9	328.6	1.0	0.547	0.999	70.6	57.1	−37.2	68.2	326.8	2.3	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
684	R50Y_100_100$_{de}$	1.0	0.5	0.0	1.0	1.0	0.5	60	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8	0.999	0.489	0.0	63.1	42.6	70.7	82.5	58.9	0.1	59	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8
685	R41Y_100_087$_{de}$	1.0	0.5	0.125	1.0	0.875	0.562	55	1.0	0.483	0.125	64.2	45.0	60.4	75.4	53.3	1.0	0.493	0.18	63.5	42.7	60.1	73.7	54.5	2.3	54	1.0	0.41	0.0	59.7	51.4	69.1	86.1	53.3
686	R31Y_100_075$_{de}$	1.0	0.5	0.25	1.0	0.75	0.625	49	1.0	0.467	0.25	65.4	47.3	50.1	68.9	46.6	1.0	0.5	0.292	64.0	43.0	48.2	64.6	48.2	4.8	46	1.0	0.29	0.0	55.4	63.0	66.8	91.8	46.6
687	R18Y_100_062$_{de}$	1.0	0.5	0.375	1.0	0.625	0.687	41	1.0	0.375	0.413	67.3	48.2	37.3	61.0	37.7	1.0	0.5	0.375	64.2	44.1	38.0	58.3	40.7	5.1	386	1.0	0.0	0.062	50.5	77.2	59.7	97.6	37.7
688	R00Y_100_050$_{de}$	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.631	73.1	39.1	18.6	43.3	25.4	1.0	0.622	0.61	71.4	33.9	16.1	37.6	25.4	5.9	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
689	R26Y_100_050$_{de}$	1.0	0.5	0.625	1.0	0.5	0.75	376	1.0	0.5	0.714	73.5	40.2	7.0	40.8	9.8	1.0	0.623	0.7	72.0	36.5	4.7	36.8	7.4	4.6	364	1.0	0.0	0.429	51.6	80.5	14.0	81.7	9.8
690	R00Y_100_050$_{de}$	1.0	0.5	0.75	1.0	0.5	0.75	360	1.0	0.5	0.808	74.1	41.8	−5.8	42.2	352.0	1.0	0.623	0.804	72.6	40.0	−8.0	40.8	348.5	3.2	352	1.0	0.0	0.617	52.9	83.6	−11.6	84.4	352.0
691	B61R_100_050$_{de}$	1.0	0.5	0.875	1.0	0.5	0.75	344	1.0	0.5	0.873	74.8	43.3	−14.1	45.6	341.8	1.0	0.623	0.873	73.2	42.6	−16.5	45.7	338.7	2.9	344	1.0	0.0	0.747	54.1	86.7	−28.3	91.2	341.8
692	B50R_100_050$_{de}$	1.0	0.5	1.0	1.0	0.5	0.75	330	1.0	0.5	0.995	76.3	47.0	−28.7	55.1	328.6	1.0	0.645	1.0	75.4	45.0	−29.9	54.1	326.3	2.5	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
693	R63Y_100_100$_{de}$	1.0	0.625	0.0	1.0	1.0	0.5	68	1.0	0.589	0.0	68.2	30.2	74.2	80.1	67.8	1.0	0.588	0.0	68.1	30.4	73.7	79.8	67.5	0.4	65	1.0	0.589	0.0	68.2	30.2	74.2	80.1	67.8
694	R58Y_100_087$_{de}$	1.0	0.625	0.125	1.0	0.875	0.562	65	1.0	0.608	0.125	69.9	30.5	63.9	70.8	64.4	1.0	0.607	0.197	69.3	28.8	63.6	69.9	65.6	1.8	63	1.0	0.552	0.0	66.3	34.9	73.1	81.0	64.4
695	R50Y_100_075$_{de}$	1.0	0.625	0.25	1.0	0.75	0.625	60	1.0	0.615	0.25	71.1	32.0	53.1	62.0	58.8	1.0	0.618	0.318	70.1	28.7	51.8	59.2	60.9	3.7	59	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8
696	R38Y_100_062$_{de}$	1.0	0.625	0.375	1.0	0.625	0.687	53	1.0	0.612	0.375	72.2	34.3	42.5	54.7	51.0	1.0	0.623	0.419	70.6	29.6	40.2	49.9	53.6	5.5	52	1.0	0.379	0.0	58.3	54.9	68.1	87.5	51.0
697	R23Y_100_050$_{de}$	1.0	0.625	0.5	1.0	0.5	0.75	44	1.0	0.551	0.5	73.3	37.2	32.4	49.3	41.0	1.0	0.625	0.5	71.0	31.0	30.2	43.3	44.3	6.9	35	1.0	0.102	0.0	51.3	74.4	64.8	98.7	41.0
698	R00Y_100_037$_{de}$	1.0	0.625	0.625	1.0	0.375	0.812	390	1.0	0.625	0.723	78.7	29.3	13.9	32.5	25.4	1.0	0.719	0.703	77.2	24.3	11.8	27.1	25.9	5.6	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
699	R18Y_100_037$_{de}$	1.0	0.625	0.75	1.0	0.375	0.812	371	1.0	0.625	0.807	79.1	30.4	2.2	30.5	4.3	1.0	0.723	0.797	78.0	26.9	0.6	26.9	1.4	3.9	360	1.0	0.0	0.486	51.9	81.1	6.1	81.3	4.3
700	B65R_100_037$_{de}$	1.0	0.625	0.875	1.0	0.375	0.812	349	1.0	0.625	0.882	79.7	32.0	−7.6	32.9	346.6	1.0	0.728	0.879	78.8	29.4	−8.9	30.8	343.0	3.0	347	1.0	0.0	0.686	53.6	85.5	−20.3	87.9	346.6
701	B50R_100_037$_{de}$	1.0	0.625	1.0	1.0	0.375	0.812	330	1.0	0.625	0.996	81.0	35.3	−21.5	41.3	328.6	1.0	0.739	1.0	80.3	33.1	−22.4	40.0	325.8	2.4	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
702	R76Y_100_100$_{de}$	1.0	0.75	0.0	1.0	1.0	0.5	76	1.0	0.684	0.0	73.5	18.3	77.7	79.8	76.7	1.0	0.682	0.0	73.3	18.4	77.1	79.3	76.5	0.5	72	1.0	0.684	0.0	73.5	18.3	77.7	79.8	76.7
703	R73Y_100_087$_{de}$	1.0	0.75	0.125	1.0	0.875	0.562	74	1.0	0.703	0.125	75.0	18.6	67.1	69.7	74.4	1.0	0.7	0.215	74.5	17.0	66.9	69.0	75.6	1.6	70	1.0	0.661	0.0	72.1	21.3	76.7	79.6	74.4
704	R68Y_100_075$_{de}$	1.0	0.75	0.25	1.0	0.75	0.625	71	1.0	0.719	0.25	76.4	19.2	56.3	59.5	71.1	1.0	0.716	0.341	75.6	16.4	55.3	57.7	73.4	3.0	68	1.0	0.626	0.0	70.1	25.6	75.1	79.3	71.1
705	R61Y_100_062$_{de}$	1.0	0.75	0.375	1.0	0.625	0.687	67	1.0	0.735	0.375	78.0	19.8	46.1	50.2	66.6	1.0	0.734	0.446	76.9	15.9	44.5	47.3	70.2	4.3	65	1.0	0.576	0.0	67.6	31.8	73.8	80.4	66.6
706	R50Y_100_050$_{de}$	1.0	0.75	0.5	1.0	0.5	0.75	60	1.0	0.743	0.5	79.2	21.3	35.4	41.3	58.8	1.0	0.745	0.545	77.9	16.5	33.4	37.3	63.6	5.3	59	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8
707	R31Y_100_037$_{de}$	1.0	0.75	0.625	1.0	0.375	0.812	49	1.0	0.733	0.625	80.4	23.6	25.0	34.4	46.6	1.0	0.75	0.625	78.5	18.1	24.0	30.0	52.9	5.9	46	1.0	0.29	0.0	55.4	63.0	66.8	91.8	46.6
708	R00Y_100_025$_{de}$	1.0	0.75	0.75	1.0	0.25	0.875	390	1.0	0.75	0.815	84.2	19.5	9.3	21.6	25.4	1.0	0.814	0.8	83.1	15.5	7.7	17.3	26.4	4.5	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
709	R00Y_100_025$_{de}$	1.0	0.75	0.875	1.0	0.25	0.875	360	1.0	0.75	0.904	84.7	20.9	−2.9	21.1	352.0	1.0	0.819	0.9	84.1	18.6	−3.9	19.0	348.0	2.5	352	1.0	0.0	0.617	52.9	83.6	−11.6	84.4	352.0
710	B50R_100_025$_{de}$	1.0	0.75	1.0	1.0	0.25	0.875	330	1.0	0.75	0.997	85.8	23.5	−14.3	27.5	328.6	1.0	0.827	1.0	85.2	21.7	−15.0	26.4	325.3	1.9	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
711	R88Y_100_100$_{de}$	1.0	0.875	0.0	1.0	1.0	0.5	83	1.0	0.767	0.0	78.3	7.7	80.7	81.0	84.5	1.0	0.766	0.0	78.2	7.7	80.4	80.8	84.4	0.2	77	1.0	0.767	0.0	78.3	7.7	80.7	81.0	84.5
712	R86Y_100_087$_{de}$	1.0	0.875	0.125	1.0	0.875	0.562	82	1.0	0.785	0.125	79.7	8.1	70.0	70.5	83.4	1.0	0.783	0.234	79.3	6.7	69.7	70.0	84.4	1.4	76	1.0	0.754	0.0	77.5	9.2	80.0	80.5	83.4
713	R85Y_100_075$_{de}$	1.0	0.875	0.25	1.0	0.75	0.625	81	1.0	0.807	0.25	81.4	8.0	59.7	60.2	82.2	1.0	0.803	0.361	80.8	5.6	58.8	59.1	84.5	2.6	75	1.0	0.742	0.0	76.8	10.7	79.6	80.3	82.2
714	R81Y_100_062$_{de}$	1.0	0.875	0.375	1.0	0.625	0.687	79	1.0	0.824	0.375	82.9	8.6	49.3	50.0	80.0	1.0	0.82	0.469	82.1	5.3	48.1	48.4	83.6	3.5	74	1.0	0.719	0.0	75.5	13.8	78.9	80.1	80.0
715	R76Y_100_050$_{de}$	1.0	0.875	0.5	1.0	0.5	0.75	76	1.0	0.842	0.5	84.4	9.1	38.8	39.9	76.7	1.0	0.838	0.569	83.5	5.4	37.6	37.9	81.8	4.0	72	1.0	0.684	0.0	73.5	18.3	77.7	79.8	76.7
716	R68Y_100_037$_{de}$	1.0	0.875	0.625	1.0	0.375	0.812	71	1.0	0.859	0.625	85.9	9.6	28.1	29.7	71.1	1.0	0.856	0.67	85.0	5.8	26.9	27.6	77.8	4.0	68	1.0	0.626	0.0	70.1	25.6	75.1	79.3	71.1
717	R50Y_100_025$_{de}$	1.0	0.875	0.75	1.0	0.25	0.875	60	1.0	0.871	0.75	87.3	10.6	17.7	20.6	58.8	1.0	0.872	0.768	86.4	6.9	16.4	17.8	67.0	4.0	59	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8
718	R00Y_100_012$_{de}$	1.0	0.875	0.875	1.0	0.125	0.937	390	1.0	0.875	0.907	89.8	9.7	4.6	10.8	25.4	1.0	0.907	0.899	89.2	7.3	3.7	8.3	27.1	2.6	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
719	B50R_100_012$_{de}$	1.0	0.875	1.0	1.0	0.125	0.937	330	1.0	0.875	0.998	90.6	11.7	−7.1	13.7	328.6	1.0	0.914	1.0	90.3	10.6	−7.4	13.0	324.9	1.1	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
720	Y00G_100_100$_{de}$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3	1.0	0.856	0.0	83.6	−3.4	84.2	84.3	92.3	0.2	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
721	Y00G_100_087$_{de}$	1.0	1.0	0.125	1.0	0.875	0.562	90	1.0	0.874	0.125	85.1	−2.9	73.9	74.0	92.3	1.0	0.873	0.25	84.8	−4.3	73.4	73.5	93.3	1.4	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
722	Y00G_100_075$_{de}$	1.0	1.0	0.25	1.0	0.75	0.625	90	1.0	0.892	0.25	86.6	−2.5	63.3	63.4	92.3	1.0	0.875	0.375	85.1	−3.0	62.1	62.2	92.7	1.9	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
723	Y00G_100_062$_{de}$	1.0	1.0	0.375	1.0	0.625	0.687	90	1.0	0.91	0.375	88.1	−2.1	52.8	52.8	92.3	1.0	0.907	0.492	87.4	−4.9	51.7	52.0	95.4	3.0	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
724	Y00G_100_050$_{de}$	1.0	1.0	0.5	1.0	0.5	0.75	90	1.0	0.928	0.5	89.5	−1.7	42.2	42.2	92.3	1.0	0.925	0.594	88.9	−4.7	41.4	41.7	96.5	3.2	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
725	Y00G_100_037$_{de}$	1.0	1.0	0.625	1.0	0.375	0.812	90	1.0	0.946	0.625	91.0	−1.2	31.6	31.7	92.3	1.0	0.943	0.696	90.4	−4.1	30.9	31.2	97.6	3.0	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
726	Y00G_100_025$_{de}$	1.0	1.0	0.75	1.0	0.25	0.875	90	1.0	0.964	0.75	92.4	−0.8	21.1	21.1	92.3	1.0	0.961	0.797	91.9	−3.1	20.4	20.7	98.7	2.4	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
727	Y00G_100_012$_{de}$	1.0	1.0	0.875	1.0	0.125	0.937	90	1.0	0.982	0.875	93.9	−0.4	10.5	10.5	92.3	1.0	0.98	0.898	93.6	−1.7	10.1	10.3	99.7	1.4	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
728	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	325.2	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
																								delta *E'** =	2.5									

3−1132330−F0

QF520−7N, 24/29−F

graphique TUB-QF52; code de teinte: H^*_e=Y50G$_e$
couleurs et différences, $\Delta E'^*$

entrée : *rgb/cmyk* −> *rgb*$_{de}$
sortie : linéarisation 3D selon *rgb**$_{de}$

voir fichiers similaires: http://130.149.60.45/~farbmetrik/QF52/QF52.HTM
informations techniques: http://www.ps.bam.de ou http://130.149.60.45/~farbmetrik

QF5211S

http://130.149.60.45/~farbmetrik/QF52/QF52L0FP.PDF /.PS; linéarisation 3D
F: linéarisation 3D QF52/QF52LF30FP.DAT dans fichier (F), páge 25/29

n	HIC*$_{\mathrm{Fde}}$	*rgb*_$_{\mathrm{Fde}}$			*ict*_$_{\mathrm{Fde}}$			$h_{\mathrm{si\_F,de}}$	*rgb**$_{\mathrm{Fde}}$			*LabCh**$_{\mathrm{Fde}}$					*rgb'**$_{\mathrm{Fde}}$			*LabCh'**$_{\mathrm{Fde}}$					*DE'**$_{\mathrm{Fde}}$	$h_{\mathrm{siM,de}}$	*rgb**$_{\mathrm{Mde}}$			*LabCh**$_{\mathrm{Mde}}$				
729	NW_100$_{\mathrm{de}}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	325.2	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
730	G50B_100_012$_{\mathrm{de}}$	0.875	1.0	1.0	1.0	0.125	0.937	210	0.875	0.986	1.0	93.3	−4.2	−3.2	5.3	216.9	0.924	0.987	1.0	93.3	−4.3	−3.2	5.4	216.5	0.1	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
731	G50B_100_025$_{\mathrm{de}}$	0.75	1.0	1.0	1.0	0.25	0.875	210	0.75	0.972	1.0	91.3	−8.5	−6.4	10.7	216.9	0.847	0.974	1.0	91.2	−8.7	−6.4	10.8	216.1	0.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
732	G50B_100_037$_{\mathrm{de}}$	0.625	1.0	1.0	1.0	0.375	0.812	210	0.625	0.958	1.0	89.2	−12.8	−9.6	16.0	216.9	0.765	0.961	1.0	89.2	−13.1	−9.5	16.2	216.1	0.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
733	G50B_100_050$_{\mathrm{de}}$	0.5	1.0	1.0	1.0	0.5	0.75	210	0.5	0.945	1.0	87.2	−17.1	−12.8	21.4	216.9	0.676	0.947	1.0	87.1	−17.5	−12.7	21.7	216.0	0.4	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
734	G50B_100_062$_{\mathrm{de}}$	0.375	1.0	1.0	1.0	0.625	0.687	210	0.375	0.931	1.0	85.2	−21.4	−16.1	26.8	216.9	0.581	0.933	1.0	85.1	−21.8	−15.9	27.0	216.1	0.4	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
735	G50B_100_075$_{\mathrm{de}}$	0.25	1.0	1.0	1.0	0.75	0.625	210	0.25	0.917	1.0	83.1	−25.6	−19.3	32.1	216.9	0.471	0.919	1.0	83.1	−26.0	−19.0	32.2	216.2	0.4	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
736	G50B_100_087$_{\mathrm{de}}$	0.125	1.0	1.0	1.0	0.875	0.562	210	0.125	0.903	1.0	81.1	−29.9	−22.5	37.5	216.9	0.322	0.905	1.0	81.0	−30.4	−22.2	37.7	216.2	0.5	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
737	G50B_100_100$_{\mathrm{de}}$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9	0.0	0.89	1.0	79.0	−34.1	−25.3	42.5	216.6	0.4	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
738	R00Y_100_012$_{\mathrm{de}}$	1.0	0.875	0.875	1.0	0.125	0.937	390	1.0	0.875	0.907	89.8	9.7	4.6	10.8	25.4	1.0	0.907	0.899	89.2	7.3	3.7	8.3	27.1	2.6	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
739	NW_087$_{\mathrm{de}}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	83.4	0.0	0.0	0.0	0.0	0.858	0.86	0.86	83.3	0.0	0.0	0.1	212.6	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
740	G50B_087_012$_{\mathrm{de}}$	0.75	0.875	0.875	0.875	0.125	0.812	210	0.75	0.861	0.875	81.4	−4.2	−3.2	5.3	216.9	0.786	0.847	0.86	81.3	−4.4	−3.2	5.5	216.4	0.1	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
741	G50B_087_025$_{\mathrm{de}}$	0.625	0.875	0.875	0.875	0.25	0.75	210	0.625	0.847	0.875	79.4	−8.5	−6.4	10.7	216.9	0.707	0.835	0.86	79.2	−8.9	−6.5	11.0	216.3	0.4	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
742	G50B_087_037$_{\mathrm{de}}$	0.5	0.875	0.875	0.875	0.375	0.687	210	0.5	0.833	0.875	77.3	−12.8	−9.6	16.0	216.9	0.629	0.822	0.861	77.2	−13.0	−9.7	16.3	216.6	0.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
743	G50B_087_050$_{\mathrm{de}}$	0.375	0.875	0.875	0.875	0.5	0.625	210	0.375	0.82	0.875	75.3	−17.1	−12.8	21.4	216.9	0.542	0.809	0.862	75.2	−17.3	−12.9	21.6	216.8	0.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
744	G50B_087_062$_{\mathrm{de}}$	0.25	0.875	0.875	0.875	0.625	0.562	210	0.25	0.806	0.875	73.2	−21.4	−16.1	26.8	216.9	0.44	0.795	0.862	73.1	−21.6	−16.2	27.0	216.8	0.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
745	G50B_087_075$_{\mathrm{de}}$	0.125	0.875	0.875	0.875	0.75	0.5	210	0.125	0.792	0.875	71.2	−25.6	−19.3	32.1	216.9	0.312	0.781	0.863	71.1	−25.9	−19.4	32.3	216.8	0.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
746	G50B_087_087$_{\mathrm{de}}$	0.0	0.875	0.875	0.875	0.875	0.437	210	0.0	0.778	0.875	69.1	−29.9	−22.5	37.5	216.9	0.047	0.767	0.863	69.0	−30.1	−22.6	37.7	216.8	0.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
747	R00Y_100_025$_{\mathrm{de}}$	1.0	0.75	0.75	1.0	0.25	0.875	390	1.0	0.75	0.815	84.2	19.5	9.3	21.6	25.4	1.0	0.814	0.8	83.1	15.5	7.7	17.3	26.4	4.5	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
748	R00Y_087_012$_{\mathrm{de}}$	0.875	0.75	0.75	0.875	0.125	0.812	390	0.875	0.75	0.782	77.9	9.7	4.6	10.8	25.4	0.886	0.769	0.762	77.8	9.7	4.6	10.8	25.3	0.1	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
749	NW_075$_{\mathrm{de}}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	71.5	0.0	0.0	0.0	0.0	0.721	0.724	0.724	71.3	−0.1	0.0	0.2	207.8	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
750	G50B_075_012$_{\mathrm{de}}$	0.625	0.75	0.75	0.75	0.125	0.687	210	0.625	0.736	0.75	69.5	−4.2	−3.2	5.3	216.9	0.652	0.712	0.724	69.3	−4.4	−3.2	5.5	216.2	0.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
751	G50B_075_025$_{\mathrm{de}}$	0.5	0.75	0.75	0.75	0.25	0.625	210	0.5	0.722	0.75	67.4	−8.5	−6.4	10.7	216.9	0.576	0.7	0.725	67.2	−8.8	−6.5	11.0	216.3	0.4	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
752	G50B_075_037$_{\mathrm{de}}$	0.375	0.75	0.75	0.75	0.375	0.562	210	0.375	0.708	0.75	65.4	−12.8	−9.6	16.0	216.9	0.501	0.687	0.725	65.3	−12.8	−9.6	16.0	216.8	0.1	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
753	G50B_075_050$_{\mathrm{de}}$	0.25	0.75	0.75	0.75	0.5	0.5	210	0.25	0.695	0.75	63.3	−17.1	−12.8	21.4	216.9	0.408	0.674	0.726	63.2	−17.3	−12.9	21.6	216.8	0.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
754	G50B_075_062$_{\mathrm{de}}$	0.125	0.75	0.75	0.75	0.625	0.437	210	0.125	0.681	0.75	61.3	−21.4	−16.1	26.8	216.9	0.294	0.661	0.726	61.1	−21.7	−16.2	27.1	216.8	0.3	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
755	G50B_075_075$_{\mathrm{de}}$	0.0	0.75	0.75	0.75	0.75	0.375	210	0.0	0.667	0.75	59.3	−25.6	−19.3	32.1	216.9	0.104	0.647	0.726	59.1	−25.9	−19.4	32.4	216.8	0.3	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
756	R00Y_100_037$_{\mathrm{de}}$	1.0	0.625	0.625	1.0	0.375	0.812	390	1.0	0.625	0.723	78.7	29.3	13.9	32.5	25.4	1.0	0.719	0.703	77.2	24.3	11.8	27.1	25.9	5.6	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
757	R00Y_087_025$_{\mathrm{de}}$	0.875	0.625	0.625	0.875	0.25	0.75	390	0.875	0.625	0.69	72.3	19.5	9.3	21.6	25.4	0.9	0.678	0.666	72.1	19.5	9.2	21.6	25.2	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
758	R00Y_075_012$_{\mathrm{de}}$	0.75	0.625	0.625	0.75	0.125	0.687	390	0.75	0.625	0.657	65.9	9.7	4.6	10.8	25.4	0.749	0.637	0.629	65.8	9.7	4.6	10.8	25.4	0.1	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
759	NW_062$_{\mathrm{de}}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	59.6	0.0	0.0	0.0	0.0	0.59	0.593	0.594	59.4	−0.2	−0.1	0.3	206.3	0.3	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
760	G50B_062_012$_{\mathrm{de}}$	0.5	0.625	0.625	0.625	0.125	0.562	210	0.5	0.611	0.625	57.5	−4.2	−3.2	5.3	216.9	0.524	0.583	0.594	57.4	−4.4	−3.2	5.5	215.9	0.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
761	G50B_062_025$_{\mathrm{de}}$	0.375	0.625	0.625	0.625	0.25	0.5	210	0.375	0.597	0.625	55.5	−8.5	−6.4	10.7	216.9	0.449	0.571	0.595	55.4	−9.0	−6.4	11.1	215.6	0.4	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
762	G50B_062_037$_{\mathrm{de}}$	0.25	0.625	0.625	0.625	0.375	0.437	210	0.25	0.583	0.625	53.5	−12.8	−9.6	16.0	216.9	0.371	0.559	0.595	53.4	−13.2	−9.5	16.3	215.8	0.3	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
763	G50B_062_050$_{\mathrm{de}}$	0.125	0.625	0.625	0.625	0.5	0.375	210	0.125	0.57	0.625	51.4	−17.1	−12.8	21.4	216.9	0.271	0.547	0.595	51.4	−17.7	−12.7	21.8	215.7	0.6	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
764	G50B_062_062$_{\mathrm{de}}$	0.0	0.625	0.625	0.625	0.625	0.312	210	0.0	0.556	0.625	49.4	−21.4	−16.1	26.8	216.9	0.126	0.534	0.596	49.4	−21.9	−15.9	27.1	215.9	0.5	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
765	R00Y_100_050$_{\mathrm{de}}$	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.631	73.1	39.1	18.6	43.3	25.4	1.0	0.622	0.61	71.4	33.9	16.1	37.6	25.4	5.9	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
766	R00Y_087_037$_{\mathrm{de}}$	0.875	0.5	0.5	0.875	0.375	0.687	390	0.875	0.5	0.598	66.8	29.3	13.9	32.5	25.4	0.908	0.586	0.574	66.6	29.3	13.8	32.4	25.2	0.1	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
767	R00Y_075_025$_{\mathrm{de}}$	0.75	0.5	0.5	0.75	0.25	0.625	390	0.75	0.5	0.565	60.4	19.5	9.3	21.6	25.4	0.76	0.549	0.54	60.2	19.3	9.0	21.3	25.1	0.4	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
768	R00Y_062_012$_{\mathrm{de}}$	0.625	0.5	0.5	0.625	0.125	0.562	390	0.625	0.5	0.532	54.0	9.7	4.6	10.8	25.4	0.616	0.512	0.506	54.1	9.4	4.4	10.4	25.3	0.3	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
769	NW_050$_{\mathrm{de}}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	47.7	0.0	0.0	0.0	0.0	0.466	0.47	0.471	47.7	−0.3	−0.1	0.4	205.6	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
770	G50B_050_012$_{\mathrm{de}}$	0.375	0.5	0.5	0.5	0.125	0.437	210	0.375	0.486	0.5	45.6	−4.2	−3.2	5.3	216.9	0.4	0.459	0.471	45.7	−4.7	−3.3	5.8	215.5	0.4	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
771	G50B_050_025$_{\mathrm{de}}$	0.25	0.5	0.5	0.5	0.25	0.375	210	0.249	0.472	0.5	43.6	−8.5	−6.4	10.7	216.9	0.324	0.448	0.471	43.6	−9.3	−6.6	11.5	215.3	0.8	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
772	G50B_050_037$_{\mathrm{de}}$	0.125	0.5	0.5	0.5	0.375	0.312	210	0.124	0.458	0.5	41.5	−12.8	−9.6	16.0	216.9	0.243	0.437	0.472	41.6	−13.4	−9.7	16.6	215.9	0.6	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
773	G50B_050_050$_{\mathrm{de}}$	0.0	0.5	0.5	0.5	0.5	0.25	210	0.0	0.445	0.5	39.5	−17.1	−12.8	21.4	216.9	0.126	0.424	0.472	39.6	−17.6	−12.9	21.9	216.1	0.5	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
774	R00Y_100_062$_{\mathrm{de}}$	1.0	0.375	0.375	1.0	0.625	0.687	390	1.0	0.375	0.539	67.6	48.9	23.3	54.2	25.4	1.0	0.5	0.5	64.7	46.4	21.9	51.3	25.2	3.9	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
775	R00Y_087_050$_{\mathrm{de}}$	0.875	0.375	0.375	0.875	0.5	0.625	390	0.875	0.375	0.506	61.2	39.1	18.6	43.3	25.4	0.908	0.492	0.486	61.2	39.0	18.4	43.1	25.2	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
776	R00Y_075_037$_{\mathrm{de}}$	0.75	0.375	0.375	0.75	0.375	0.562	390	0.75	0.375	0.473	54.8	29.3	13.9	32.5	25.4	0.765	0.459	0.451	54.7	29.1	13.6	32.1	25.1	0.3	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
777	R00Y_062_025$_{\mathrm{de}}$	0.625	0.375	0.375	0.625	0.25	0.5	390	0.625	0.375	0.44	48.5	19.5	9.3	21.6	25.4	0.624	0.425	0.417	48.3	19.1	8.9	21.1	25.1	0.5	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
778	R00Y_050_012$_{\mathrm{de}}$	0.5	0.375	0.375	0.5	0.125	0.437	390	0.5	0.375	0.407	42.1	9.7	4.6	10.8	25.4	0.491	0.39	0.384	42.2	9.7	4.5	10.7	25.2	0.1	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
779	NW_037$_{\mathrm{de}}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	35.7	0.0	0.0	0.0	0.0	0.345	0.35	0.35	35.7	−0.4	−0.2	0.5	205.6	0.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
780	G50B_037_012$_{\mathrm{de}}$	0.25	0.375	0.375	0.375	0.125	0.312	210	0.249	0.361	0.375	33.7	−4.2	−3.2	5.3	216.9	0.281	0.34	0.351	33.6	−4.9	−3.4	6.0	215.0	0.6	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
781	G50B_037_025$_{\mathrm{de}}$	0.125	0.375	0.375	0.375	0.25	0.25	210	0.124	0.347	0.375	31.6	−8.5	−6.4	10.7	216.9	0.204	0.329	0.351	31.6	−9.6	−6.7	11.7	214.7	1.1	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
782	G50B_037_037$_{\mathrm{de}}$	0.0	0.375	0.375	0.375	0.375	0.187	210	0.0	0.333	0.375	29.6	−12.8	−9.6	16.0	216.9	0.108	0.318	0.351	29.6	−13.8	−9.7	16.9	215.2	1.0	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
783	R00Y_100_075$_{\mathrm{de}}$	1.0	0.25	0.25	1.0	0.75	0.625	390	1.0	0.25	0.447	62.0	58.7	27.9	65.0	25.4	1.0	0.409	0.432	60.5	55.4	25.5	61.0	24.7	4.3	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
784	R00Y_087_062$_{\mathrm{de}}$	0.875	0.25	0.25	0.875	0.625	0.562	390	0.875	0.25	0.414	55.6	48.9	23.3	54.2	25.4	0.899	0.388	0.399	55.6	48.8	23.0	54.0	25.2	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
785	R00Y_075_050$_{\mathrm{de}}$	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.381	49.3	39.1	18.6	43.3	25.4	0.762	0.363	0.365	49.2	39.0	18.4	43.1	25.2	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
786	R00Y_062_037$_{\mathrm{de}}$	0.625	0.25	0.25	0.625	0.375	0.437	390	0.625	0.25	0.348	42.9	29.3	13.9	32.5	25.4	0.626	0.335	0.332	42.7	29.2	13.6	32.2	25.0	0.4	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
787	R00Y_050_025$_{\mathrm{de}}$	0.5	0.25	0.25	0.5	0.25	0.375	390	0.5	0.249	0.315	36.5	19.5	9.3	21.6	25.4	0.497	0.305	0.3	36.5	19.6	9.1	21.6	25.0	0.1	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
788	R00Y_037_012$_{\mathrm{de}}$	0.375	0.25	0.25	0.375	0.125	0.312	390	0.375	0.249	0.282	30.2	9.7	4.6	10.8	25.4	0.366	0.273	0.268	30.1	9.6	4.5	10.6	25.2	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
789	NW_025$_{\mathrm{de}}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	23.8	0.0	0.0	0.0	0.0	0.232	0.236	0.237	23.7	−0.4	−0.2	0.4	207.2	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
790	G50B_025_012$_{\mathrm{de}}$	0.125	0.25	0.25	0.25	0.125	0.187	210	0.124	0.236	0.25	21.8	−4.2	−3.2	5.3	216.9	0.167	0.226	0.237	21.6	−5.1	−3.5	6.2	214.5	0.9	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
791	G50B_025_025$_{\mathrm{de}}$	0.0	0.25	0.25	0.25	0.25	0.125	210	0.0	0.222	0.25	19.7	−8.5	−6.4	10.7	216.9	0.084	0.217	0.237	19.6	−10.0	−6.7	12.0	213.8	1.4	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
792	R00Y_100_087$_{\mathrm{de}}$	1.0	0.125	0.125	1.0	0.875	0.562	390	1.0	0.125	0.355	56.4	68.5	32.6	75.8	25.4	1.0	0.274	0.346	55.4	67.0	30.9	73.8	24.8	2.4	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
793	R00Y_087_075$_{\mathrm{de}}$	0.875	0.125	0.125	0.875	0.75	0.5	390	0.875	0.125	0.322	50.1	58.7	27.9	65.0	25.4	0.884	0.266	0.313	50.0	58.7	27.7	65.0	25.3	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
794	R00Y_075_062$_{\mathrm{de}}$	0.75	0.125	0.125	0.75	0.625	0.437	390	0.75	0.125	0.289	43.7	48.9	23.3	54.2	25.4	0.749	0.256	0.282	43.6	48.7	23.1	53.9	25.3	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
795	R00Y_062_050$_{\mathrm{de}}$	0.625	0.125	0.125	0.625	0.5	0.375	390	0.625	0.125	0.256	37.3	39.1	18.6	43.3	25.4	0.619	0.237	0.251	37.2	39.2	18.3	43.2	25.0	0.3	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
796	R00Y_050_037$_{\mathrm{de}}$	0.5	0.125	0.125	0.5	0.375	0.312	390	0.5	0.124	0.223	31.0	29.3	13.9	32.5	25.4	0.494	0.214	0.219	30.8	29.8	13.7	32.9	24.7	0.5	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
797	R00Y_037_025$_{\mathrm{de}}$	0.375	0.125	0.125	0.375	0.25	0.25	390	0.375	0.124	0.19	24.6	19.5	9.3	21.6	25.4	0.368	0.189	0.189	24.3	19.8	8.9	21.7	24.2	0.5	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
798	R00Y_025_012$_{\mathrm{de}}$	0.25	0.125	0.125	0.25	0.125	0.187	390	0.25	0.124	0.157	18.2	9.7	4.6	10.8	25.4	0.247	0.163	0.16	18.0	9.4	4.3	10.4	24.7	0.5	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
799	NW_012$_{\mathrm{de}}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	11.9	0.0	0.0	0.0	0.0	0.129	0.132	0.132	11.9	−0.2	0.0	0.2	198.6	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
800	G50B_012_012$_{\mathrm{de}}$	0.0	0.125	0.125	0.125	0.125	0.062	210	0.0	0.111	0.125	9.8	−4.2	−3.2	5.3	216.9	0.061	0.121	0.133	9.5	−5.3	−3.8	6.5	216.0	1.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
801	R00Y_100_100$_{\mathrm{de}}$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4	1.0	0.0	0.264	50.9	78.1	37.1	86.5	25.4	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
802	R00Y_087_087$_{\mathrm{de}}$	0.875	0.0	0.0	0.875	0.875	0.437	390	0.875	0.0	0.23	44.5	68.5	32.6	75.8	25.4	0.864	0.053	0.232	44.3	68.9	32.4	76.1	25.2	0.4	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
803	R00Y_075_075$_{\mathrm{de}}$	0.75	0.0	0.0	0.75	0.75	0.375	390	0.75	0.0	0.197	38.1	58.7	27.9	65.0	25.4	0.731	0.086	0.201	37.8	59.2	27.8	65.4	25.1	0.6	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
804	R00Y_062_062$_{\mathrm{de}}$	0.625	0.0	0.0	0.625	0.625	0.312	390	0.625	0.0	0.164	31.8	48.9	23.3	54.2	25.4	0.603	0.103	0.172	31.5	49.2	23.1	54.4	25.1	0.4	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
805	R00Y_050_050$_{\mathrm{de}}$	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.131	25.4	39.1	18.6	43.3	25.4	0.482	0.102	0.144	25.2	39.8	18.4	43.9	24.8	0.7	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
806	R00Y_037_037$_{\mathrm{de}}$	0.375	0.0	0.0	0.375	0.375	0.187	390	0.375	0.0	0.098	19.0	29.3	13.9	32.5	25.4	0.363	0.092	0.113	18.7	30.3	14.0	33.4	24.7	1.0	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
807	R00Y_025_025$_{\mathrm{de}}$	0.25	0.0	0.0	0.25	0.25	0.125	390	0.25	0.0	0.065	12.7	19.5	9.3	21.6	25.4	0.248	0.077	0.076	12.1	20.4	10.6	23.0	27.4	1.6	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
808	R00Y_012_012$_{\mathrm{de}}$	0.125	0.0	0.0	0.125	0.125	0.062	390	0.125	0.0	0.032	6.3	9.7	4.6	10.8	25.4	0.146	0.043	0.037	5.3	11.5	4.6	12.4	21.9	2.0	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
809	NW_000$_{\mathrm{de}}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	0.0	0.0	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	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0

delta *E' = 0.7**

3−1132430−F0

QF520−7N, 25/29−F

graphique TUB-QF52; code de teinte: H*$_{\mathrm{e}}$=Y50G$_{\mathrm{e}}$
couleurs et différences, Δ*E'**

entrée : *rgb/cmyk* −> *rgb*$_{\mathrm{de}}$
sortie : linéarisation 3D selon *rgb**$_{\mathrm{de}}$

voir fichiers similaires: http://130.149.60.45/~farbmetrik/QF52/QF52.HTM
informations techniques: http://www.ps.bam.de ou http://130.149.60.45/~farbmetrik

TUB enregistrement: 20130201-QF52/QF52L0FP.PDF /.PS
application pour la mesure de sortie sur ècran, aucune séparation

TUB matériel: code=rha4ta

QF5211S

http://130.149.60.45/~farbmetrik/QF52/QF52L0FP.PDF /.PS; linéarisation 3D
F: linéarisation 3D QF52/QF52LF30FP.DAT dans fichier (F), páge 26/29

n	HIC*Fde	rgb_Fde			ict_Fde			hsi_F,de	rgb*Fde			LabCh*Fde					rgb'*Fde			LabCh'*Fde					DE'*Fde	hsiM,de	rgb*Mde			LabCh*Mde				
810	NW_100de	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	325.2	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
811	B00R_100_012de	0.875	0.875	1.0	1.0	0.125	0.937	270	0.875	0.951	1.0	90.8	0.2	−7.0	7.0	271.7	0.918	0.947	1.0	90.7	0.0	−6.9	6.9	270.0	0.2	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
812	B00R_100_025de	0.75	0.75	1.0	1.0	0.25	0.875	270	0.75	0.902	1.0	86.3	0.4	−14.1	14.1	271.7	0.837	0.897	1.0	86.2	0.1	−13.8	13.8	270.5	0.4	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
813	B00R_100_037de	0.625	0.625	1.0	1.0	0.375	0.812	270	0.625	0.853	1.0	81.8	0.6	−21.2	21.2	271.7	0.752	0.846	1.0	81.7	0.3	−20.8	20.8	270.9	0.5	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
814	B00R_100_050de	0.5	0.5	1.0	1.0	0.5	0.75	270	0.5	0.804	1.0	77.3	0.8	−28.3	28.3	271.7	0.66	0.797	1.0	77.1	0.3	−27.9	27.9	270.8	0.6	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
815	B00R_100_062de	0.375	0.375	1.0	1.0	0.625	0.687	270	0.375	0.755	1.0	72.8	1.0	−35.3	35.3	271.7	0.564	0.748	1.0	72.6	0.7	−34.9	34.9	271.2	0.5	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
816	B00R_100_075de	0.25	0.25	1.0	1.0	0.75	0.625	270	0.25	0.707	1.0	68.2	1.2	−42.4	42.4	271.7	0.45	0.701	1.0	68.1	0.9	−42.1	42.1	271.2	0.5	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
817	B00R_100_087de	0.125	0.125	1.0	1.0	0.875	0.562	270	0.125	0.658	1.0	63.7	1.5	−49.5	49.5	271.7	0.304	0.654	1.0	63.5	1.1	−49.3	49.4	271.3	0.4	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
818	B00R_100_100de	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7	0.0	0.609	1.0	59.2	2.0	−56.3	56.3	272.1	0.4	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
819	Y00G_100_012de	1.0	1.0	0.875	1.0	0.125	0.937	90	1.0	0.982	0.875	93.9	−0.4	10.5	10.5	92.3	1.0	0.98	0.898	93.6	−1.7	10.1	10.3	99.7	1.4	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
820	NW_087de	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	83.4	0.0	0.0	0.0	0.0	0.858	0.86	0.86	83.3	0.0	0.0	0.1	212.6	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
821	B00R_087_012de	0.75	0.75	0.875	0.875	0.125	0.812	270	0.75	0.826	0.875	78.9	0.2	−7.0	7.0	271.7	0.78	0.809	0.862	78.8	0.1	−7.2	7.2	270.8	0.2	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
822	B00R_087_025de	0.625	0.625	0.875	0.875	0.25	0.75	270	0.625	0.777	0.875	74.4	0.4	−14.1	14.1	271.7	0.701	0.76	0.864	74.3	0.3	−14.3	14.3	271.2	0.2	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
823	B00R_087_037de	0.5	0.5	0.875	0.875	0.375	0.687	270	0.5	0.728	0.875	69.9	0.6	−21.2	21.2	271.7	0.616	0.711	0.864	69.7	0.5	−21.3	21.3	271.3	0.2	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
824	B00R_087_050de	0.375	0.375	0.875	0.875	0.5	0.625	270	0.375	0.679	0.875	65.4	0.8	−28.3	28.3	271.7	0.527	0.664	0.864	65.2	0.8	−28.4	28.4	271.6	0.2	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
825	B00R_087_062de	0.25	0.25	0.875	0.875	0.625	0.562	270	0.25	0.63	0.875	60.8	1.0	−35.3	35.3	271.7	0.424	0.617	0.864	60.7	1.0	−35.5	35.5	271.6	0.2	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
826	B00R_087_075de	0.125	0.125	0.875	0.875	0.75	0.5	270	0.125	0.582	0.875	56.3	1.2	−42.4	42.4	271.7	0.294	0.573	0.863	56.2	0.9	−42.5	42.5	271.2	0.4	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
827	B00R_087_087de	0.0	0.0	0.875	0.875	0.875	0.437	270	0.0	0.533	0.875	51.8	1.5	−49.5	49.5	271.7	0.033	0.53	0.862	51.8	0.9	−49.4	49.4	271.1	0.5	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
828	Y00G_100_025de	1.0	1.0	0.75	1.0	0.25	0.875	90	1.0	0.964	0.75	92.4	−0.8	21.1	21.1	92.3	1.0	0.961	0.797	91.9	−3.1	20.4	20.7	98.7	2.4	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
829	Y00G_087_012de	0.875	0.875	0.75	0.875	0.125	0.812	90	0.875	0.857	0.75	82.0	−0.4	10.5	10.5	92.3	0.873	0.841	0.761	81.9	−0.5	10.5	10.5	92.8	0.1	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
830	NW_075de	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	71.5	0.0	0.0	0.0	0.0	0.721	0.724	0.724	71.3	−0.1	0.0	0.2	207.8	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
831	B00R_075_012de	0.625	0.625	0.75	0.75	0.125	0.687	270	0.625	0.701	0.75	67.0	0.2	−7.0	7.0	271.7	0.646	0.675	0.726	66.8	0.0	−7.2	7.2	270.5	0.2	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
832	B00R_075_025de	0.5	0.5	0.75	0.75	0.25	0.625	270	0.5	0.652	0.75	62.5	0.4	−14.1	14.1	271.7	0.57	0.628	0.728	62.3	0.4	−14.3	14.3	271.6	0.2	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
833	B00R_075_037de	0.375	0.375	0.75	0.75	0.375	0.562	270	0.375	0.603	0.75	57.9	0.6	−21.2	21.2	271.7	0.487	0.582	0.728	57.9	0.4	−21.2	21.2	271.3	0.1	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
834	B00R_075_050de	0.25	0.25	0.75	0.75	0.5	0.5	270	0.25	0.554	0.75	53.4	0.8	−28.3	28.3	271.7	0.394	0.538	0.728	53.4	0.4	−28.1	28.1	270.8	0.4	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
835	B00R_075_062de	0.125	0.125	0.75	0.75	0.625	0.437	270	0.125	0.505	0.75	48.9	1.0	−35.3	35.3	271.7	0.282	0.494	0.727	48.9	0.4	−35.1	35.1	270.7	0.6	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
836	B00R_075_075de	0.0	0.0	0.75	0.75	0.75	0.375	270	0.0	0.457	0.75	44.4	1.2	−42.4	42.4	271.7	0.08	0.451	0.726	44.4	0.3	−42.3	42.3	270.5	0.9	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
837	Y00G_100_037de	1.0	1.0	0.625	1.0	0.375	0.812	90	1.0	0.946	0.625	91.0	−1.2	31.6	31.7	92.3	1.0	0.943	0.696	90.4	−4.1	30.9	31.2	97.6	3.0	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
838	Y00G_087_025de	0.875	0.875	0.625	0.875	0.25	0.75	90	0.875	0.839	0.625	80.5	−0.8	21.1	21.1	92.3	0.881	0.823	0.663	80.4	−1.0	21.2	21.2	92.8	0.2	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
839	Y00G_075_012de	0.75	0.75	0.625	0.75	0.125	0.687	90	0.75	0.732	0.625	70.0	−0.4	10.5	10.5	92.3	0.736	0.706	0.629	69.9	−0.5	10.5	10.5	93.0	0.2	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
840	NW_062de	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	59.6	0.0	0.0	0.0	0.0	0.59	0.593	0.594	59.4	−0.2	−0.1	0.3	206.3	0.3	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
841	B00R_062_012de	0.5	0.5	0.625	0.625	0.125	0.562	270	0.5	0.576	0.625	55.1	0.2	−7.0	7.0	271.7	0.52	0.548	0.595	55.0	0.0	−7.0	7.0	269.2	0.3	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
842	B00R_062_025de	0.375	0.375	0.625	0.625	0.25	0.5	270	0.375	0.527	0.625	50.5	0.4	−14.1	14.1	271.7	0.445	0.504	0.597	50.6	0.0	−14.0	14.0	270.1	0.4	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
843	B00R_062_037de	0.25	0.25	0.625	0.625	0.375	0.437	270	0.25	0.478	0.625	46.0	0.6	−21.2	21.2	271.7	0.359	0.459	0.597	46.0	0.0	−21.0	21.0	270.0	0.6	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
844	B00R_062_050de	0.125	0.125	0.625	0.625	0.5	0.375	270	0.125	0.429	0.625	41.5	0.8	−28.3	28.3	271.7	0.261	0.416	0.597	41.5	0.2	−28.1	28.1	270.4	0.6	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
845	B00R_062_062de	0.0	0.0	0.625	0.625	0.625	0.312	270	0.0	0.38	0.625	37.0	1.0	−35.3	35.3	271.7	0.123	0.374	0.596	37.0	0.7	−35.2	35.2	271.1	0.4	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
846	Y00G_100_050de	1.0	1.0	0.5	1.0	0.5	0.75	90	1.0	0.928	0.5	89.5	−1.7	42.2	42.2	92.3	1.0	0.925	0.594	88.9	−4.7	41.4	41.7	96.5	3.2	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
847	Y00G_087_037de	0.875	0.875	0.5	0.875	0.375	0.687	90	0.875	0.821	0.5	79.1	−1.2	31.6	31.7	92.3	0.885	0.804	0.566	78.9	−1.4	31.5	31.6	92.5	0.2	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
848	Y00G_075_025de	0.75	0.75	0.5	0.75	0.25	0.625	90	0.75	0.714	0.5	68.6	−0.8	21.1	21.1	92.3	0.744	0.688	0.536	68.4	−0.8	20.8	20.8	92.4	0.3	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
849	Y00G_062_012de	0.625	0.625	0.5	0.625	0.125	0.562	90	0.625	0.607	0.5	58.1	−0.4	10.5	10.5	92.3	0.604	0.577	0.505	58.0	−0.5	10.1	10.2	93.3	0.4	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
850	NW_050de	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	47.7	0.0	0.0	0.0	0.0	0.466	0.47	0.471	47.7	−0.3	−0.1	0.4	205.6	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
851	B00R_050_012de	0.375	0.375	0.5	0.5	0.125	0.437	270	0.375	0.451	0.5	43.1	0.2	−7.0	7.0	271.7	0.396	0.426	0.472	43.2	−0.2	−7.2	7.2	268.3	0.4	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
852	B00R_050_025de	0.25	0.25	0.5	0.5	0.25	0.375	270	0.249	0.402	0.5	38.6	0.4	−14.1	14.1	271.7	0.32	0.382	0.473	38.6	0.0	−14.4	14.4	269.8	0.5	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
853	B00R_050_037de	0.125	0.125	0.5	0.5	0.375	0.312	270	0.124	0.353	0.5	34.1	0.6	−21.2	21.2	271.7	0.232	0.34	0.473	34.1	0.0	−21.5	21.5	270.2	0.6	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
854	B00R_050_050de	0.0	0.0	0.5	0.5	0.5	0.25	270	0.0	0.304	0.5	29.6	0.8	−28.3	28.3	271.7	0.112	0.3	0.473	29.6	0.1	−28.5	28.5	270.3	0.7	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
855	Y00G_100_062de	1.0	1.0	0.375	1.0	0.625	0.687	90	1.0	0.91	0.375	88.1	−2.1	52.8	52.8	92.3	1.0	0.907	0.492	87.4	−4.9	51.7	52.0	95.4	3.0	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
856	Y00G_087_050de	0.875	0.875	0.375	0.875	0.5	0.625	90	0.875	0.803	0.375	77.6	−1.7	42.2	42.2	92.3	0.885	0.787	0.467	77.5	−1.7	42.0	42.0	92.3	0.2	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
857	Y00G_075_037de	0.75	0.75	0.375	0.75	0.375	0.562	90	0.75	0.696	0.375	67.1	−1.2	31.6	31.7	92.3	0.746	0.671	0.441	67.0	−1.3	31.4	31.4	92.5	0.2	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
858	Y00G_062_025de	0.625	0.625	0.375	0.625	0.25	0.5	90	0.625	0.589	0.375	56.7	−0.8	21.1	21.1	92.3	0.61	0.56	0.413	56.6	−1.1	20.8	20.9	93.1	0.4	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
859	Y00G_050_012de	0.5	0.5	0.375	0.5	0.125	0.437	90	0.5	0.482	0.375	46.2	−0.4	10.5	10.5	92.3	0.479	0.454	0.383	46.2	−0.6	10.4	10.5	93.7	0.2	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
860	NW_037de	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	35.7	0.0	0.0	0.0	0.0	0.345	0.35	0.35	35.7	−0.4	−0.2	0.5	205.6	0.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
861	B00R_037_012de	0.25	0.25	0.375	0.375	0.125	0.312	270	0.249	0.326	0.375	31.2	0.2	−7.0	7.0	271.7	0.276	0.308	0.352	31.1	−0.4	−7.3	7.3	266.8	0.6	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
862	B00R_037_025de	0.125	0.125	0.375	0.375	0.25	0.25	270	0.124	0.277	0.375	26.7	0.4	−14.1	14.1	271.7	0.199	0.267	0.353	26.6	−0.3	−14.5	14.5	268.5	0.9	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
863	B00R_037_037de	0.0	0.0	0.375	0.375	0.375	0.187	270	0.0	0.228	0.375	22.2	0.6	−21.2	21.2	271.7	0.102	0.227	0.352	22.0	0.0	−21.6	21.6	269.8	0.8	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
864	Y00G_100_075de	1.0	1.0	0.25	1.0	0.75	0.625	90	1.0	0.892	0.25	86.6	−2.5	63.3	63.4	92.3	1.0	0.875	0.375	85.1	−3.0	62.1	62.2	92.7	1.9	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
865	Y00G_087_062de	0.875	0.875	0.25	0.875	0.625	0.562	90	0.875	0.785	0.25	76.1	−2.1	52.8	52.8	92.3	0.881	0.77	0.362	76.0	−2.1	52.6	52.7	92.3	0.1	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
866	Y00G_075_050de	0.75	0.75	0.25	0.75	0.5	0.5	90	0.75	0.678	0.25	65.7	−1.7	42.2	42.2	92.3	0.745	0.655	0.341	65.6	−1.7	42.1	42.2	92.3	0.1	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
867	Y00G_062_037de	0.625	0.625	0.25	0.625	0.375	0.437	90	0.625	0.571	0.25	55.2	−1.2	31.6	31.7	92.3	0.61	0.545	0.318	55.2	−1.7	31.7	31.8	93.1	0.4	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
868	Y00G_050_025de	0.5	0.5	0.25	0.5	0.25	0.375	90	0.5	0.464	0.249	44.7	−0.8	21.1	21.1	92.3	0.483	0.437	0.294	44.8	−1.1	21.2	21.2	93.2	0.3	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
869	Y00G_037_012de	0.375	0.375	0.25	0.375	0.125	0.312	90	0.375	0.357	0.249	34.3	−0.4	10.5	10.5	92.3	0.356	0.334	0.267	34.2	−0.8	10.4	10.4	94.5	0.4	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
870	NW_025de	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	23.8	0.0	0.0	0.0	0.0	0.232	0.236	0.237	23.7	−0.4	−0.2	0.4	207.2	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
871	B00R_025_012de	0.125	0.125	0.25	0.25	0.125	0.187	270	0.124	0.201	0.25	19.3	0.2	−7.0	7.0	271.7	0.162	0.197	0.238	19.0	−0.7	−7.5	7.5	264.4	1.0	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
872	B00R_025_025de	0.0	0.0	0.25	0.25	0.25	0.125	270	0.0	0.152	0.25	14.8	0.4	−14.1	14.1	271.7	0.079	0.16	0.238	14.5	−0.9	−14.6	14.6	266.1	1.5	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
873	Y00G_100_087de	1.0	1.0	0.125	1.0	0.875	0.562	90	1.0	0.874	0.125	85.1	−2.9	73.9	74.0	92.3	1.0	0.873	0.25	84.8	−4.3	73.4	73.5	93.3	1.4	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
874	Y00G_087_075de	0.875	0.875	0.125	0.875	0.75	0.5	90	0.875	0.767	0.125	74.7	−2.5	63.3	63.4	92.3	0.874	0.754	0.243	74.6	−2.5	63.3	63.3	92.2	0.1	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
875	Y00G_075_062de	0.75	0.75	0.125	0.75	0.625	0.437	90	0.75	0.66	0.125	64.2	−2.1	52.8	52.8	92.3	0.738	0.638	0.232	64.0	−2.1	52.8	52.8	92.3	0.1	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
876	Y00G_062_050de	0.625	0.625	0.125	0.625	0.5	0.375	90	0.625	0.553	0.125	53.7	−1.7	42.2	42.2	92.3	0.607	0.53	0.218	53.8	−2.1	42.5	42.6	92.8	0.5	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
877	Y00G_050_037de	0.5	0.5	0.125	0.5	0.375	0.312	90	0.5	0.446	0.124	43.3	−1.2	31.6	31.7	92.3	0.482	0.422	0.199	43.3	−1.6	32.2	32.2	92.9	0.6	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
878	Y00G_037_025de	0.375	0.375	0.125	0.375	0.25	0.25	90	0.375	0.339	0.124	32.8	−0.8	21.1	21.1	92.3	0.357	0.319	0.18	32.7	−1.4	21.3	21.3	93.7	0.6	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
879	Y00G_025_012de	0.25	0.25	0.125	0.25	0.125	0.187	90	0.25	0.232	0.124	22.3	−0.4	10.5	10.5	92.3	0.24	0.221	0.158	22.2	−1.0	10.4	10.5	95.4	0.6	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
880	NW_012de	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	11.9	0.0	0.0	0.0	0.0	0.129	0.132	0.132	11.9	−0.2	0.0	0.2	198.6	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
881	B00R_012_012de	0.0	0.0	0.125	0.125	0.125	0.062	270	0.0	0.076	0.125	7.4	0.2	−7.0	7.0	271.7	0.055	0.084	0.134	6.1	0.8	−9.2	9.2	274.9	2.5	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
882	Y00G_100_100de	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3	1.0	0.856	0.0	83.6	−3.4	84.2	84.3	92.3	0.2	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
883	Y00G_087_087de	0.875	0.875	0.0	0.875	0.875	0.437	90	0.875	0.749	0.0	73.2	−2.9	73.9	74.0	92.3	0.862	0.737	0.042	73.1	−2.9	74.2	74.3	92.2	0.3	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
884	Y00G_075_075de	0.75	0.75	0.0	0.75	0.75	0.375	90	0.75	0.642	0.0	62.7	−2.5	63.3	63.4	92.3	0.728	0.622	0.072	62.6	−2.5	63.9	63.9	92.2	0.5	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
885	Y00G_062_062de	0.625	0.625	0.0	0.625	0.625	0.312	90	0.625	0.535	0.0	52.3	−2.1	52.8	52.8	92.3	0.598	0.514	0.085	52.3	−2.5	53.5	53.5	92.7	0.8	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
886	Y00G_050_050de	0.5	0.5	0.0	0.5	0.5	0.25	90	0.5	0.428	0.0	41.8	−1.7	42.2	42.2	92.3	0.476	0.408	0.088	41.9	−1.9	43.0	43.1	92.5	0.8	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
887	Y00G_037_037de	0.375	0.375	0.0	0.375	0.375	0.187	90	0.375	0.321	0.0	31.3	−1.2	31.6	31.7	92.3	0.354	0.305	0.081	31.3	−1.7	32.6	32.6	93.0	1.0	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
888	Y00G_025_025de	0.25	0.25	0.0	0.25	0.25	0.125	90	0.25	0.214	0.0	20.9	−0.8	21.1	21.1	92.3	0.24	0.207	0.065	20.7	−1.5	22.6	22.6	93.8	1.6	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
889	Y00G_012_012de	0.125	0.125	0.0	0.125	0.125	0.062	90	0.125	0.107	0.0	10.4	−0.4	10.5	10.5	92.3	0.139	0.115	0.038	10.1	−0.3	11.5	11.5	91.7	1.0	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
890	NW_000de	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	0.0	0.0	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	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0

delta E'* = 0.6

3−1132530−F0

QF520−7N, 26/29−F

graphique TUB-QF52; code de teinte: H^*_e=Y50G_e
couleurs et différences, $\Delta E'^*$

entrée : *rgb/cmyk* −> rgb_{de}
sortie : linéarisation 3D selon rgb^*_{de}

TUB enregistrement: 20130201-QF52/QF52L0FP.PDF /.PS
application pour la mesure de sortie sur ècran, aucune séparation

TUB matériel: code=rha4ta

voir fichiers similaires: http://130.149.60.45/~farbmetrik/QF52/QF52.HTM
informations techniques: http://www.ps.bam.de ou http://130.149.60.45/~farbmetrik

TUB enregistrement: 20130201-QF52/QF52L0FP.PDF /.PS   TUB matériel: code=rha4ta
application pour la mesure de sortie sur ècran, aucune séparation

http://130.149.60.45/~farbmetrik/QF52/QF52L0FP.PDF /.PS; linéarisation 3D
F: linéarisation 3D QF52/QF52LF30FP.DAT dans fichier (F), páge 27/29

n	HIC*$_{Fde}$	*rgb*$_{\_Fde}$			*ict*$_{\_Fde}$			*h*$_{si\_F,de}$	*rgb**$_{Fde}$			*LabCh**$_{Fde}$					*rgb'**$_{Fde}$			*LabCh'**$_{Fde}$					*DE'**$_{Fde}$	*h*$_{siM,de}$	*rgb**$_{Mde}$			*LabCh**$_{Mde}$				
891	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	325.2	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
892	B50R_100_012$_{de}$	1.0	0.875	1.0	1.0	0.125	0.937	330	1.0	0.875	0.998	90.6	11.7	−7.1	13.7	328.6	1.0	0.914	1.0	90.3	10.6	−7.4	13.0	324.9	1.1	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
893	B50R_100_025$_{de}$	1.0	0.75	1.0	1.0	0.25	0.875	330	1.0	0.75	0.997	85.8	23.5	−14.3	27.5	328.6	1.0	0.827	1.0	85.2	21.7	−15.0	26.4	325.3	1.9	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
894	B50R_100_037$_{de}$	1.0	0.625	1.0	1.0	0.375	0.812	330	1.0	0.625	0.996	81.0	35.3	−21.5	41.3	328.6	1.0	0.739	1.0	80.3	33.1	−22.4	40.0	325.8	2.4	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
895	B50R_100_050$_{de}$	1.0	0.5	1.0	1.0	0.5	0.75	330	1.0	0.5	0.995	76.3	47.0	−28.7	55.1	328.6	1.0	0.645	1.0	75.4	45.0	−29.9	54.1	326.3	2.5	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
896	B50R_100_062$_{de}$	1.0	0.375	1.0	1.0	0.625	0.687	330	1.0	0.375	0.994	71.5	58.8	−35.9	68.9	328.6	1.0	0.547	0.999	70.6	57.1	−37.2	68.2	326.8	2.3	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
897	B50R_100_075$_{de}$	1.0	0.25	1.0	1.0	0.75	0.625	330	1.0	0.25	0.993	66.7	70.6	−43.0	82.7	328.6	1.0	0.436	0.997	65.9	69.4	−44.3	82.4	327.4	1.8	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
898	B50R_100_087$_{de}$	1.0	0.125	1.0	1.0	0.875	0.562	330	1.0	0.125	0.992	61.9	82.3	−50.2	96.5	328.6	1.0	0.296	0.994	61.3	82.1	−51.2	96.7	328.0	1.1	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
899	B50R_100_100$_{de}$	1.0	0.0	1.0	1.0	1.0	0.5	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6	1.0	0.0	0.991	57.1	94.0	−57.4	110.2	328.5	0.0	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
900	G00B_100_012$_{de}$	0.875	1.0	0.875	1.0	0.125	0.937	150	0.875	1.0	0.963	94.1	−8.0	2.5	8.4	162.2	0.922	1.0	0.963	93.8	−7.7	2.1	8.0	164.2	0.5	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
901	NW_087$_{de}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	83.4	0.0	0.0	0.0	0.0	0.858	0.86	0.86	83.3	0.0	0.0	0.1	212.6	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
902	B50R_087_012$_{de}$	0.875	0.75	0.875	0.875	0.125	0.812	330	0.875	0.75	0.873	78.7	11.7	−7.1	13.7	328.6	0.872	0.777	0.861	78.5	11.7	−7.2	13.8	328.2	0.1	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
903	B50R_087_025$_{de}$	0.875	0.625	0.875	0.875	0.25	0.75	330	0.875	0.625	0.872	73.9	23.5	−14.3	27.5	328.6	0.88	0.692	0.861	73.7	23.6	−14.5	27.7	328.3	0.2	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
904	B50R_087_037$_{de}$	0.875	0.5	0.875	0.875	0.375	0.687	330	0.875	0.5	0.871	69.1	35.3	−21.5	41.3	328.6	0.884	0.604	0.861	69.0	35.4	−21.6	41.5	328.5	0.2	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
905	B50R_087_050$_{de}$	0.875	0.375	0.875	0.875	0.5	0.625	330	0.875	0.375	0.87	64.3	47.0	−28.7	55.1	328.6	0.884	0.515	0.86	64.3	46.8	−28.6	54.9	328.5	0.2	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
906	B50R_087_062$_{de}$	0.875	0.25	0.875	0.875	0.625	0.562	330	0.875	0.25	0.869	59.5	58.8	−35.9	68.9	328.6	0.879	0.411	0.859	59.5	58.8	−35.9	68.9	328.5	0.1	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
907	B50R_087_075$_{de}$	0.875	0.125	0.875	0.875	0.75	0.5	330	0.875	0.125	0.868	54.8	70.6	−43.0	82.7	328.6	0.872	0.287	0.856	54.6	70.8	−43.3	83.0	328.5	0.3	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
908	B50R_087_087$_{de}$	0.875	0.0	0.875	0.875	0.875	0.437	330	0.875	0.0	0.867	50.0	82.3	−50.2	96.5	328.6	0.861	0.068	0.853	49.8	82.7	−50.5	96.9	328.5	0.4	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
909	G00B_100_025$_{de}$	0.75	1.0	0.75	1.0	0.25	0.875	150	0.75	1.0	0.926	92.8	−16.1	5.1	16.9	162.2	0.844	1.0	0.926	92.3	−15.5	4.5	16.2	163.7	0.9	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
910	G00B_087_012$_{de}$	0.75	0.875	0.75	0.875	0.125	0.812	150	0.75	0.875	0.838	82.2	−8.0	2.5	8.4	162.2	0.784	0.863	0.824	82.1	−8.2	2.5	8.6	162.7	0.2	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
911	NW_075$_{de}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	71.5	0.0	0.0	0.0	0.0	0.721	0.724	0.724	71.3	−0.1	0.0	0.2	207.8	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
912	B50R_075_012$_{de}$	0.75	0.625	0.75	0.75	0.125	0.687	330	0.75	0.625	0.748	66.7	11.7	−7.1	13.7	328.6	0.734	0.644	0.725	66.5	11.6	−7.3	13.7	328.0	0.2	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
913	B50R_075_025$_{de}$	0.75	0.5	0.75	0.75	0.25	0.625	330	0.75	0.5	0.747	62.0	23.5	−14.3	27.5	328.6	0.741	0.562	0.726	61.8	23.3	−14.4	27.4	328.2	0.2	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
914	B50R_075_037$_{de}$	0.75	0.375	0.75	0.75	0.375	0.562	330	0.75	0.375	0.746	57.2	35.3	−21.5	41.3	328.6	0.744	0.478	0.725	57.1	34.9	−21.4	41.0	328.4	0.3	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
915	B50R_075_050$_{de}$	0.75	0.25	0.75	0.75	0.5	0.5	330	0.75	0.25	0.745	52.4	47.0	−28.7	55.1	328.6	0.743	0.385	0.724	52.4	46.7	−28.6	54.8	328.4	0.3	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
916	B50R_075_062$_{de}$	0.75	0.125	0.75	0.75	0.625	0.437	330	0.75	0.125	0.744	47.6	58.8	−35.9	68.9	328.6	0.736	0.274	0.722	47.4	58.8	−36.0	69.0	328.5	0.2	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
917	B50R_075_075$_{de}$	0.75	0.0	0.75	0.75	0.75	0.375	330	0.75	0.0	0.743	42.8	70.6	−43.0	82.7	328.6	0.727	0.108	0.719	42.6	70.7	−43.3	82.9	328.5	0.3	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
918	G00B_100_037$_{de}$	0.625	1.0	0.625	1.0	0.375	0.812	150	0.625	1.0	0.889	91.5	−24.2	7.7	25.4	162.2	0.764	1.0	0.874	90.9	−24.0	8.8	25.6	159.8	1.2	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
919	G00B_087_025$_{de}$	0.625	0.875	0.625	0.875	0.25	0.75	150	0.625	0.875	0.801	80.9	−16.1	5.1	16.9	162.2	0.706	0.865	0.788	80.7	−16.4	5.0	17.1	162.8	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
920	G00B_075_012$_{de}$	0.625	0.75	0.625	0.75	0.125	0.687	150	0.625	0.75	0.713	70.2	−8.0	2.5	8.4	162.2	0.65	0.728	0.689	70.1	−8.3	2.5	8.7	162.8	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
921	NW_062$_{de}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	59.6	0.0	0.0	0.0	0.0	0.59	0.593	0.594	59.4	−0.2	−0.1	0.3	206.3	0.3	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
922	B50R_062_012$_{de}$	0.625	0.5	0.625	0.625	0.125	0.562	330	0.625	0.5	0.623	54.8	11.7	−7.1	13.7	328.6	0.602	0.518	0.595	54.8	11.2	−7.1	13.3	327.7	0.5	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
923	B50R_062_025$_{de}$	0.625	0.375	0.625	0.625	0.25	0.5	330	0.625	0.375	0.622	50.0	23.5	−14.3	27.5	328.6	0.608	0.438	0.595	49.9	23.1	−14.4	27.2	328.0	0.4	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
924	B50R_062_037$_{de}$	0.625	0.25	0.625	0.625	0.375	0.437	330	0.625	0.25	0.621	45.2	35.3	−21.5	41.3	328.6	0.609	0.351	0.595	45.1	35.1	−21.7	41.2	328.2	0.2	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
925	B50R_062_050$_{de}$	0.625	0.125	0.625	0.625	0.5	0.375	330	0.625	0.125	0.62	40.5	47.0	−28.7	55.1	328.6	0.605	0.256	0.593	40.4	46.8	−28.8	55.0	328.3	0.2	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
926	B50R_062_062$_{de}$	0.625	0.0	0.625	0.625	0.625	0.312	330	0.625	0.0	0.619	35.7	58.8	−35.9	68.9	328.6	0.597	0.124	0.591	35.6	58.6	−36.0	68.8	328.4	0.2	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
927	G00B_100_050$_{de}$	0.5	1.0	0.5	1.0	0.5	0.75	150	0.5	1.0	0.853	90.2	−32.3	10.3	33.9	162.2	0.673	1.0	0.853	89.6	−31.6	9.5	33.0	163.2	1.2	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
928	G00B_087_037$_{de}$	0.5	0.875	0.5	0.875	0.375	0.687	150	0.5	0.875	0.764	79.6	−24.2	7.7	25.4	162.2	0.627	0.867	0.752	79.5	−24.3	7.7	25.6	162.2	0.1	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
929	G00B_075_025$_{de}$	0.5	0.75	0.5	0.75	0.25	0.625	150	0.5	0.75	0.676	68.9	−16.1	5.1	16.9	162.2	0.575	0.729	0.655	68.8	−16.3	5.0	17.1	162.7	0.2	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
930	G00B_062_012$_{de}$	0.5	0.625	0.5	0.625	0.125	0.562	150	0.5	0.625	0.588	58.3	−8.0	2.5	8.4	162.2	0.523	0.597	0.561	58.2	−8.1	2.4	8.5	163.5	0.2	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
931	NW_050$_{de}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	47.7	0.0	0.0	0.0	0.0	0.466	0.47	0.471	47.7	−0.3	−0.1	0.4	205.6	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
932	B50R_050_012$_{de}$	0.5	0.375	0.5	0.5	0.125	0.437	330	0.5	0.375	0.498	42.9	11.7	−7.1	13.7	328.6	0.478	0.396	0.472	42.9	11.5	−7.3	13.7	327.3	0.2	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
933	B50R_050_025$_{de}$	0.5	0.25	0.5	0.5	0.25	0.375	330	0.5	0.249	0.497	38.1	23.5	−14.3	27.5	328.6	0.482	0.316	0.472	38.0	23.6	−14.8	27.9	327.9	0.4	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
934	B50R_050_037$_{de}$	0.5	0.125	0.5	0.5	0.375	0.312	330	0.5	0.124	0.496	33.3	35.3	−21.5	41.3	328.6	0.481	0.229	0.471	33.2	35.6	−22.0	41.9	328.2	0.6	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
935	B50R_050_050$_{de}$	0.5	0.0	0.5	0.5	0.5	0.25	330	0.5	0.0	0.495	28.5	47.0	−28.7	55.1	328.6	0.475	0.121	0.469	28.5	47.2	−29.1	55.4	328.3	0.4	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
936	G00B_100_062$_{de}$	0.375	1.0	0.375	1.0	0.625	0.687	150	0.375	1.0	0.816	88.9	−40.4	12.9	42.4	162.2	0.576	1.0	0.816	88.4	−39.8	12.1	41.6	162.9	1.1	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
937	G00B_087_050$_{de}$	0.375	0.875	0.375	0.875	0.5	0.625	150	0.375	0.875	0.728	78.3	−32.3	10.3	33.9	162.2	0.539	0.867	0.716	78.2	−32.5	10.4	34.1	162.1	0.2	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
938	G00B_075_037$_{de}$	0.375	0.75	0.375	0.75	0.375	0.562	150	0.375	0.75	0.639	67.7	−24.2	7.7	25.4	162.2	0.499	0.731	0.62	67.6	−24.1	7.8	25.4	161.9	0.1	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
939	G00B_062_025$_{de}$	0.375	0.625	0.375	0.625	0.25	0.5	150	0.375	0.625	0.551	57.0	−16.1	5.1	16.9	162.2	0.449	0.599	0.529	56.9	−16.2	4.8	16.9	163.4	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
940	G00B_050_012$_{de}$	0.375	0.5	0.375	0.5	0.125	0.437	150	0.375	0.5	0.463	46.4	−8.0	2.5	8.4	162.2	0.399	0.474	0.438	46.4	−8.5	2.4	8.9	163.9	0.5	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
941	NW_037$_{de}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	35.7	0.0	0.0	0.0	0.0	0.345	0.35	0.35	35.7	−0.4	−0.2	0.5	205.6	0.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
942	B50R_037_012$_{de}$	0.375	0.25	0.375	0.375	0.125	0.312	330	0.375	0.249	0.373	31.0	11.7	−7.1	13.7	328.6	0.355	0.279	0.351	30.9	11.5	−7.4	13.7	326.9	0.4	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
943	B50R_037_025$_{de}$	0.375	0.125	0.375	0.375	0.25	0.25	330	0.375	0.124	0.372	26.2	23.5	−14.3	27.5	328.6	0.357	0.199	0.351	25.9	23.9	−15.0	28.2	327.7	0.8	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
944	B50R_037_037$_{de}$	0.375	0.0	0.375	0.375	0.375	0.187	330	0.375	0.0	0.371	21.4	35.3	−21.5	41.3	328.6	0.355	0.106	0.35	21.1	35.8	−22.2	42.2	328.2	0.9	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
945	G00B_100_075$_{de}$	0.25	1.0	0.25	1.0	0.75	0.625	150	0.25	1.0	0.779	87.7	−48.5	15.5	50.9	162.2	0.467	1.0	0.78	87.2	−48.0	14.9	50.2	162.6	0.8	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
946	G00B_087_062$_{de}$	0.25	0.875	0.25	0.875	0.625	0.562	150	0.25	0.875	0.691	77.0	−40.4	12.9	42.4	162.2	0.436	0.866	0.681	76.9	−40.7	13.0	42.7	162.2	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
947	G00B_075_050$_{de}$	0.25	0.75	0.25	0.75	0.5	0.5	150	0.25	0.75	0.603	66.4	−32.3	10.3	33.9	162.2	0.404	0.73	0.587	66.3	−32.5	10.3	34.1	162.4	0.2	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
948	G00B_062_037$_{de}$	0.25	0.625	0.25	0.625	0.375	0.437	150	0.25	0.625	0.514	55.7	−24.2	7.7	25.4	162.2	0.37	0.599	0.497	55.7	−24.1	7.4	25.3	162.8	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
949	G00B_050_025$_{de}$	0.25	0.5	0.25	0.5	0.25	0.375	150	0.249	0.5	0.426	45.1	−16.1	5.1	16.9	162.2	0.325	0.475	0.407	45.1	−16.8	5.0	17.5	163.4	0.6	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
950	G00B_037_012$_{de}$	0.25	0.375	0.25	0.375	0.125	0.312	150	0.249	0.375	0.338	34.4	−8.0	2.5	8.4	162.2	0.279	0.353	0.32	34.4	−8.7	2.4	9.1	164.6	0.7	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
951	NW_025$_{de}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	23.8	0.0	0.0	0.0	0.0	0.232	0.236	0.237	23.7	−0.4	−0.2	0.4	207.2	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
952	B50R_025_012$_{de}$	0.25	0.125	0.25	0.25	0.125	0.187	330	0.25	0.124	0.248	19.0	11.7	−7.1	13.7	328.6	0.239	0.168	0.237	18.8	11.6	−7.6	13.8	326.6	0.5	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
953	B50R_025_025$_{de}$	0.25	0.0	0.25	0.25	0.25	0.125	330	0.25	0.0	0.247	14.2	23.5	−14.3	27.5	328.6	0.241	0.086	0.237	13.7	24.5	−15.3	28.9	327.9	1.4	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
954	G00B_100_087$_{de}$	0.125	1.0	0.125	1.0	0.875	0.562	150	0.125	1.0	0.742	86.4	−56.5	18.1	59.4	162.2	0.32	1.0	0.744	86.1	−56.4	17.8	59.1	162.4	0.4	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
955	G00B_087_075$_{de}$	0.125	0.875	0.125	0.875	0.75	0.5	150	0.125	0.875	0.654	75.7	−48.5	15.5	50.9	162.2	0.307	0.864	0.646	75.7	−48.8	15.6	51.3	162.2	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
956	G00B_075_062$_{de}$	0.125	0.75	0.125	0.75	0.625	0.437	150	0.125	0.75	0.566	65.1	−40.4	12.9	42.4	162.2	0.291	0.729	0.554	65.0	−40.7	12.7	42.6	162.5	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
957	G00B_062_050$_{de}$	0.125	0.625	0.125	0.625	0.5	0.375	150	0.125	0.625	0.478	54.5	−32.3	10.3	33.9	162.2	0.269	0.598	0.463	54.4	−32.6	10.0	34.1	162.8	0.4	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
958	G00B_050_037$_{de}$	0.125	0.5	0.125	0.5	0.375	0.312	150	0.124	0.5	0.389	43.8	−24.2	7.7	25.4	162.2	0.245	0.475	0.375	44.0	−24.6	7.8	25.8	162.3	0.4	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
959	G00B_037_025$_{de}$	0.125	0.375	0.125	0.375	0.25	0.25	150	0.124	0.375	0.301	33.2	−16.1	5.1	16.9	162.2	0.203	0.354	0.289	33.1	−17.2	5.0	17.9	163.7	1.1	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
960	G00B_025_012$_{de}$	0.125	0.25	0.125	0.25	0.125	0.187	150	0.124	0.25	0.213	22.5	−8.0	2.5	8.4	162.2	0.165	0.239	0.208	22.4	−9.1	2.3	9.4	165.6	1.0	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
961	NW_012$_{de}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	11.9	0.0	0.0	0.0	0.0	0.129	0.132	0.132	11.9	−0.2	0.0	0.2	198.6	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
962	B50R_012_012$_{de}$	0.125	0.0	0.125	0.125	0.125	0.062	330	0.125	0.0	0.123	7.1	11.7	−7.1	13.7	328.6	0.137	0.052	0.133	6.1	14.1	−8.8	16.6	328.0	3.0	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
963	G00B_100_100$_{de}$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2	0.0	1.0	0.707	85.1	−64.3	20.9	67.6	162.0	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
964	G00B_087_087$_{de}$	0.0	0.875	0.0	0.875	0.875	0.437	150	0.0	0.875	0.617	74.5	−56.5	18.1	59.4	162.2	0.052	0.861	0.611	74.4	−56.8	18.2	59.7	162.2	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
965	G00B_075_075$_{de}$	0.0	0.75	0.0	0.75	0.75	0.375	150	0.0	0.75	0.529	63.8	−48.5	15.5	50.9	162.2	0.107	0.726	0.521	63.7	−48.6	15.2	50.9	162.5	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
966	G00B_062_062$_{de}$	0.0	0.625	0.0	0.625	0.625	0.312	150	0.0	0.625	0.441	53.2	−40.4	12.9	42.4	162.2	0.125	0.596	0.43	53.1	−40.6	12.7	42.5	162.5	0.2	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
967	G00B_050_050$_{de}$	0.0	0.5	0.0	0.5	0.5	0.25	150	0.0	0.5	0.353	42.5	−32.3	10.3	33.9	162.2	0.126	0.473	0.343	42.7	−32.9	10.5	34.5	162.2	0.6	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
968	G00B_037_037$_{de}$	0.0	0.375	0.0	0.375	0.375	0.187	150	0.0	0.375	0.264	31.9	−24.2	7.7	25.4	162.2	0.115	0.353	0.259	32.0	−24.9	7.8	26.1	162.5	0.6	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
969	G00B_025_025$_{de}$	0.0	0.25	0.0	0.25	0.25	0.125	150	0.0	0.25	0.176	21.2	−16.1	5.1	16.9	162.2	0.083	0.239	0.18	21.1	−17.7	5.0	18.4	164.0	1.5	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
970	G00B_012_012$_{de}$	0.0	0.125	0.0	0.125	0.125	0.062	150	0.0	0.125	0.088	10.6	−8.0	2.5	8.4	162.2	0.058	0.134	0.099	10.3	−10.2	3.4	10.7	161.2	2.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
971	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	0.0	0.0	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	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
																								delta *E' =**	**0.6**									

3−1132630−F0

QF520−7N, 27/29−F

graphique TUB-QF52; code de teinte: H*$_e$=Y50G$_e$
couleurs et différences, Δ*E'**

entrée : *rgb/cmyk* −> *rgb*$_{de}$
sortie : linéarisation 3D selon *rgb**$_{de}$

voir fichiers similaires: http://130.149.60.45/~farbmetrik/QF52/QF52.HTM
informations techniques: http://www.ps.bam.de ou http://130.149.60.45/~farbmetrik

3−1132630−F0

QF5211S

http://130.149.60.45/~farbmetrik/QF52/QF52L0FP.PDF /.PS; linéarisation 3D
F: linéarisation 3D QF52/QF52LF30FP.DAT dans fichier (F), páge 28/29

n	HIC*$_{Fde}$	*rgb*$_{\_Fde}$			*ict*$_{\_Fde}$			$h_{si\_F,de}$	*rgb**$_{Fde}$			*LabCh**$_{Fde}$					*rgb'**$_{Fde}$			*LabCh'**$_{Fde}$					*DE'**$_{Fde}$	$h_{siM,de}$	*rgb**$_{Mde}$			*LabCh**$_{Mde}$				
972	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	0.0	0.0	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	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
973	NW_012$_{de}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	11.9	0.0	0.0	0.0	0.0	0.129	0.132	0.132	11.9	−0.2	0.0	0.2	198.6	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
974	NW_025$_{de}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	23.8	0.0	0.0	0.0	0.0	0.232	0.236	0.237	23.7	−0.4	−0.2	0.4	207.2	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
975	NW_037$_{de}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	35.7	0.0	0.0	0.0	0.0	0.345	0.35	0.35	35.7	−0.4	−0.2	0.5	205.6	0.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
976	NW_050$_{de}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	47.7	0.0	0.0	0.0	0.0	0.466	0.47	0.471	47.7	−0.3	−0.1	0.4	205.6	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
977	NW_062$_{de}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	59.6	0.0	0.0	0.0	0.0	0.59	0.593	0.594	59.4	−0.2	−0.1	0.3	206.3	0.3	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
978	NW_075$_{de}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	71.5	0.0	0.0	0.0	0.0	0.721	0.724	0.724	71.3	−0.1	0.0	0.2	207.8	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
979	NW_087$_{de}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	83.4	0.0	0.0	0.0	0.0	0.858	0.86	0.86	83.3	0.0	0.0	0.1	212.6	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
980	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	325.2	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
981	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	0.0	0.0	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	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
982	NW_012$_{de}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	11.9	0.0	0.0	0.0	0.0	0.129	0.132	0.132	11.9	−0.2	0.0	0.2	198.6	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
983	NW_025$_{de}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	23.8	0.0	0.0	0.0	0.0	0.232	0.236	0.237	23.7	−0.4	−0.2	0.4	207.2	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
984	NW_037$_{de}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	35.7	0.0	0.0	0.0	0.0	0.345	0.35	0.35	35.7	−0.4	−0.2	0.5	205.6	0.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
985	NW_050$_{de}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	47.7	0.0	0.0	0.0	0.0	0.466	0.47	0.471	47.7	−0.3	−0.1	0.4	205.6	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
986	NW_062$_{de}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	59.6	0.0	0.0	0.0	0.0	0.59	0.593	0.594	59.4	−0.2	−0.1	0.3	206.3	0.3	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
987	NW_075$_{de}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	71.5	0.0	0.0	0.0	0.0	0.721	0.724	0.724	71.3	−0.1	0.0	0.2	207.8	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
988	NW_087$_{de}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	83.4	0.0	0.0	0.0	0.0	0.858	0.86	0.86	83.3	0.0	0.0	0.1	212.6	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
989	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	325.2	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
990	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	0.0	0.0	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	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
991	NW_012$_{de}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	11.9	0.0	0.0	0.0	0.0	0.129	0.132	0.132	11.9	−0.2	0.0	0.2	198.6	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
992	NW_025$_{de}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	23.8	0.0	0.0	0.0	0.0	0.232	0.236	0.237	23.7	−0.4	−0.2	0.4	207.2	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
993	NW_037$_{de}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	35.7	0.0	0.0	0.0	0.0	0.345	0.35	0.35	35.7	−0.4	−0.2	0.5	205.6	0.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
994	NW_050$_{de}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	47.7	0.0	0.0	0.0	0.0	0.466	0.47	0.471	47.7	−0.3	−0.1	0.4	205.6	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
995	NW_062$_{de}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	59.6	0.0	0.0	0.0	0.0	0.59	0.593	0.594	59.4	−0.2	−0.1	0.3	206.3	0.3	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
996	NW_075$_{de}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	71.5	0.0	0.0	0.0	0.0	0.721	0.724	0.724	71.3	−0.1	0.0	0.2	207.8	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
997	NW_087$_{de}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	83.4	0.0	0.0	0.0	0.0	0.858	0.86	0.86	83.3	0.0	0.0	0.1	212.6	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
998	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	325.2	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
999	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	0.0	0.0	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	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1000	NW_012$_{de}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	11.9	0.0	0.0	0.0	0.0	0.129	0.132	0.132	11.9	−0.2	0.0	0.2	198.6	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1001	NW_025$_{de}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	23.8	0.0	0.0	0.0	0.0	0.232	0.236	0.237	23.7	−0.4	−0.2	0.4	207.2	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1002	NW_037$_{de}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	35.7	0.0	0.0	0.0	0.0	0.345	0.35	0.35	35.7	−0.4	−0.2	0.5	205.6	0.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1003	NW_050$_{de}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	47.7	0.0	0.0	0.0	0.0	0.466	0.47	0.471	47.7	−0.3	−0.1	0.4	205.6	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1004	NW_062$_{de}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	59.6	0.0	0.0	0.0	0.0	0.59	0.593	0.594	59.4	−0.2	−0.1	0.3	206.3	0.3	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1005	NW_075$_{de}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	71.5	0.0	0.0	0.0	0.0	0.721	0.724	0.724	71.3	−0.1	0.0	0.2	207.8	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1006	NW_087$_{de}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	83.4	0.0	0.0	0.0	0.0	0.858	0.86	0.86	83.3	0.0	0.0	0.1	212.6	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1007	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	325.2	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1008	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	0.0	0.0	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	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1009	NW_006$_{de}$	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	6.2	0.0	0.0	0.0	0.0	0.068	0.07	0.07	4.7	−0.1	0.0	0.1	215.3	1.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1010	NW_013$_{de}$	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	12.6	0.0	0.0	0.0	0.0	0.134	0.138	0.138	12.6	−0.5	−0.1	0.5	198.8	0.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1011	NW_020$_{de}$	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	19.0	0.0	0.0	0.0	0.0	0.181	0.193	0.193	18.7	−1.1	−0.4	1.2	202.3	1.3	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1012	NW_026$_{de}$	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	25.3	0.0	0.0	0.0	0.0	0.25	0.251	0.251	25.4	0.0	0.0	0.0	198.2	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1013	NW_033$_{de}$	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	31.7	0.0	0.0	0.0	0.0	0.303	0.311	0.311	31.6	−0.7	−0.3	0.8	203.1	0.8	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1014	NW_040$_{de}$	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	38.1	0.0	0.0	0.0	0.0	0.374	0.374	0.374	38.2	0.0	0.0	0.0	217.7	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1015	NW_046$_{de}$	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	44.4	0.0	0.0	0.0	0.0	0.431	0.437	0.437	44.4	−0.5	−0.2	0.5	203.8	0.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1016	NW_053$_{de}$	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	50.8	0.0	0.0	0.0	0.0	0.503	0.504	0.504	51.0	0.0	0.0	0.0	222.6	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1017	NW_060$_{de}$	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	57.2	0.0	0.0	0.0	0.0	0.564	0.569	0.569	57.1	−0.3	−0.1	0.4	204.7	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1018	NW_066$_{de}$	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	63.5	0.0	0.0	0.0	0.0	0.634	0.635	0.635	63.3	−0.1	0.0	0.1	207.4	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1019	NW_073$_{de}$	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	70.0	0.0	0.0	0.0	0.0	0.703	0.706	0.707	69.8	−0.3	−0.1	0.3	205.7	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1020	NW_080$_{de}$	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	76.3	0.0	0.0	0.0	0.0	0.775	0.778	0.778	76.1	−0.1	0.0	0.2	206.4	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1021	NW_086$_{de}$	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	82.6	0.0	0.0	0.0	0.0	0.847	0.85	0.85	82.5	−0.1	0.0	0.1	209.2	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1022	NW_093$_{de}$	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	89.0	0.0	0.0	0.0	0.0	0.921	0.924	0.924	88.9	−0.2	−0.1	0.2	207.0	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1023	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	325.2	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1024	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	0.0	0.0	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	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1025	NW_006$_{de}$	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	6.2	0.0	0.0	0.0	0.0	0.068	0.07	0.07	4.7	−0.1	0.0	0.1	215.3	1.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1026	NW_013$_{de}$	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	12.6	0.0	0.0	0.0	0.0	0.134	0.138	0.138	12.6	−0.5	−0.1	0.5	198.8	0.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1027	NW_020$_{de}$	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	19.0	0.0	0.0	0.0	0.0	0.181	0.193	0.193	18.7	−1.1	−0.4	1.2	202.3	1.3	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1028	NW_026$_{de}$	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	25.3	0.0	0.0	0.0	0.0	0.25	0.251	0.251	25.4	0.0	0.0	0.0	198.2	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1029	NW_033$_{de}$	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	31.7	0.0	0.0	0.0	0.0	0.303	0.311	0.311	31.6	−0.7	−0.3	0.8	203.1	0.8	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1030	NW_040$_{de}$	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	38.1	0.0	0.0	0.0	0.0	0.374	0.374	0.374	38.2	0.0	0.0	0.0	217.7	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1031	NW_046$_{de}$	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	44.4	0.0	0.0	0.0	0.0	0.431	0.437	0.437	44.4	−0.5	−0.2	0.5	203.8	0.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1032	NW_053$_{de}$	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	50.8	0.0	0.0	0.0	0.0	0.503	0.504	0.504	51.0	0.0	0.0	0.0	222.6	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1033	NW_060$_{de}$	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	57.2	0.0	0.0	0.0	0.0	0.564	0.569	0.569	57.1	−0.3	−0.1	0.4	204.7	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1034	NW_066$_{de}$	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	63.5	0.0	0.0	0.0	0.0	0.634	0.635	0.635	63.3	−0.1	0.0	0.1	207.4	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1035	NW_073$_{de}$	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	70.0	0.0	0.0	0.0	0.0	0.703	0.706	0.707	69.8	−0.3	−0.1	0.3	205.7	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1036	NW_080$_{de}$	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	76.3	0.0	0.0	0.0	0.0	0.775	0.778	0.778	76.1	−0.1	0.0	0.2	206.4	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1037	NW_086$_{de}$	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	82.6	0.0	0.0	0.0	0.0	0.847	0.85	0.85	82.5	−0.1	0.0	0.1	209.2	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1038	NW_093$_{de}$	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	89.0	0.0	0.0	0.0	0.0	0.921	0.924	0.924	88.9	−0.2	−0.1	0.2	207.0	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1039	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	325.2	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1040	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	0.0	0.0	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	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1041	NW_006$_{de}$	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	6.2	0.0	0.0	0.0	0.0	0.068	0.07	0.07	4.7	−0.1	0.0	0.1	215.3	1.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1042	NW_013$_{de}$	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	12.6	0.0	0.0	0.0	0.0	0.134	0.138	0.138	12.6	−0.5	−0.1	0.5	198.8	0.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1043	NW_020$_{de}$	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	19.0	0.0	0.0	0.0	0.0	0.181	0.193	0.193	18.7	−1.1	−0.4	1.2	202.3	1.3	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1044	NW_026$_{de}$	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	25.3	0.0	0.0	0.0	0.0	0.25	0.251	0.251	25.4	0.0	0.0	0.0	198.2	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1045	NW_033$_{de}$	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	31.7	0.0	0.0	0.0	0.0	0.303	0.311	0.311	31.6	−0.7	−0.3	0.8	203.1	0.8	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1046	NW_040$_{de}$	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	38.1	0.0	0.0	0.0	0.0	0.374	0.374	0.374	38.2	0.0	0.0	0.0	217.7	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1047	NW_046$_{de}$	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	44.4	0.0	0.0	0.0	0.0	0.431	0.437	0.437	44.4	−0.5	−0.2	0.5	203.8	0.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1048	NW_053$_{de}$	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	50.8	0.0	0.0	0.0	0.0	0.503	0.504	0.504	51.0	0.0	0.0	0.0	222.6	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1049	NW_060$_{de}$	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	57.2	0.0	0.0	0.0	0.0	0.564	0.569	0.569	57.1	−0.3	−0.1	0.4	204.7	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1050	NW_066$_{de}$	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	63.5	0.0	0.0	0.0	0.0	0.634	0.635	0.635	63.3	−0.1	0.0	0.1	207.4	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1051	NW_073$_{de}$	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	70.0	0.0	0.0	0.0	0.0	0.703	0.706	0.707	69.8	−0.3	−0.1	0.3	205.7	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1052	NW_080$_{de}$	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	76.3	0.0	0.0	0.0	0.0	0.775	0.778	0.778	76.1	−0.1	0.0	0.2	206.4	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0

delta *E' = 0.3**

3−1132730−F0

QF520−7N, 28/29−F

graphique TUB-QF52; code de teinte: H*$_e$=Y50G$_e$
couleurs et différences, Δ*E'**

entrée : *rgb/cmyk −> rgb*$_{de}$
sortie : linéarisation 3D selon *rgb**$_{de}$

voir fichiers similaires: http://130.149.60.45/~farbmetrik/QF52/QF52.HTM
informations techniques: http://www.ps.bam.de ou http://130.149.60.45/~farbmetrik

TUB enregistrement: 20130201-QF52/QF52L0FP.PDF /.PS
application pour la mesure de sortie sur ècran, aucune séparation

TUB matériel: code=rha4ta

3−1132730−F0

TUB enregistrement: 20130201-QF52/QF52L0FP.PDF /.PS
application pour la mesure de sortie sur ècran, aucune séparation

TUB matériel: code=rha4ta

http://130.149.60.45/~farbmetrik/QF52/QF52L0FP.PDF /.PS; linéarisation 3D
F: linéarisation 3D QF52/QF52LF30FP.DAT dans fichier (F), páge 29/29

n	HIC*$_{Fde}$	*rgb*$_{\_Fde}$			*ict*$_{\_Fde}$			$h_{si\_F,de}$	*rgb**$_{Fde}$			*LabCh**$_{Fde}$					*rgb'**$_{Fde}$			*LabCh'**$_{Fde}$					*DE'**$_{Fde}$	$h_{siM,de}$	*rgb**$_{Mde}$			*LabCh**$_{Mde}$				
1053	NW_086$_{de}$	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	82.6	0.0	0.0	0.0	0.0	0.847	0.85	0.85	82.5	−0.1	0.0	0.1	209.2	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1054	NW_093$_{de}$	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	89.0	0.0	0.0	0.0	0.0	0.921	0.924	0.924	88.9	−0.2	−0.1	0.2	207.0	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1055	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	325.2	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1056	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	0.0	0.0	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	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1057	NW_006$_{de}$	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	6.2	0.0	0.0	0.0	0.0	0.068	0.07	0.07	4.7	−0.1	0.0	0.1	215.3	1.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1058	NW_013$_{de}$	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	12.6	0.0	0.0	0.0	0.0	0.134	0.138	0.138	12.6	−0.5	−0.1	0.5	198.8	0.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1059	NW_020$_{de}$	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	19.0	0.0	0.0	0.0	0.0	0.181	0.193	0.193	18.7	−1.1	−0.4	1.2	202.3	1.3	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1060	NW_026$_{de}$	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	25.3	0.0	0.0	0.0	0.0	0.25	0.251	0.251	25.4	0.0	0.0	0.0	198.2	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1061	NW_033$_{de}$	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	31.7	0.0	0.0	0.0	0.0	0.303	0.311	0.311	31.6	−0.7	−0.3	0.8	203.1	0.8	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1062	NW_040$_{de}$	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	38.1	0.0	0.0	0.0	0.0	0.374	0.374	0.374	38.2	0.0	0.0	0.0	217.7	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1063	NW_046$_{de}$	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	44.4	0.0	0.0	0.0	0.0	0.431	0.437	0.437	44.4	−0.5	−0.2	0.5	203.8	0.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1064	NW_053$_{de}$	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	50.8	0.0	0.0	0.0	0.0	0.503	0.504	0.504	51.0	0.0	0.0	0.0	222.6	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1065	NW_060$_{de}$	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	57.2	0.0	0.0	0.0	0.0	0.564	0.569	0.569	57.1	−0.3	−0.1	0.4	204.7	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1066	NW_066$_{de}$	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	63.5	0.0	0.0	0.0	0.0	0.634	0.635	0.635	63.3	−0.1	0.0	0.1	207.4	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1067	NW_073$_{de}$	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	70.0	0.0	0.0	0.0	0.0	0.703	0.706	0.707	69.8	−0.3	−0.1	0.3	205.7	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1068	NW_080$_{de}$	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	76.3	0.0	0.0	0.0	0.0	0.775	0.778	0.778	76.1	−0.1	0.0	0.2	206.4	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1069	NW_086$_{de}$	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	82.6	0.0	0.0	0.0	0.0	0.847	0.85	0.85	82.5	−0.1	0.0	0.1	209.2	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1070	NW_093$_{de}$	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	89.0	0.0	0.0	0.0	0.0	0.921	0.924	0.924	88.9	−0.2	−0.1	0.2	207.0	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1071	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	325.2	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1072	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	0.0	0.0	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	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1073	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	325.2	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1074	R00Y_100_100$_{de}$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4	1.0	0.0	0.264	50.9	78.1	37.1	86.5	25.4	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
1075	G50B_100_100$_{de}$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9	0.0	0.89	1.0	79.0	−34.1	−25.3	42.5	216.6	0.4	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
1076	Y00G_100_100$_{de}$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3	1.0	0.856	0.0	83.6	−3.4	84.2	84.3	92.3	0.2	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
1077	B00R_100_100$_{de}$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7	0.0	0.609	1.0	59.2	2.0	−56.3	56.3	272.1	0.4	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
1078	G00B_100_100$_{de}$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2	0.0	1.0	0.707	85.1	−64.3	20.9	67.6	162.0	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
1079	B50R_100_100$_{de}$	1.0	0.0	1.0	1.0	1.0	0.5	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6	1.0	0.0	0.991	57.1	94.0	−57.4	110.2	328.5	0.0	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6

delta *E' = 0.3**

QF520−7N, 29/29−F

3−1132830−F0

graphique TUB-QF52; code de teinte: H*$_e$=Y50G$_e$
couleurs et différences, Δ*E'**

entrée : *rgb/cmyk* −> *rgb*$_{de}$
sortie : linéarisation 3D selon *rgb**$_{de}$

voir fichiers similaires: http://130.149.60.45/~farbmetrik/QF52/QF52.HTM
informations techniques: http://www.ps.bam.de ou http://130.149.60.45/~farbmetrik