

Entrada i salida: Printer Reflective System FRS06a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 234/360 = 0.65$

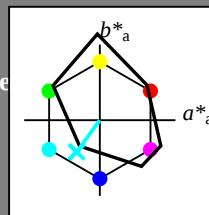
Datos del dispositivo (d) o elemental (e) color:

HIC^*

código de tono para les colore
esta página:

$H^*_ = G50B-$

triángulo claridad T^*



FRS06a; datos adaptados CIELAB (a)					
name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R-,Ma	32.5	62.3	46.4	77.7	36
Y-,Ma	82.7	-3.1	113.9	114.0	91
G-,Ma	39.4	-61.8	45.8	76.9	143
C-,Ma	47.8	-26.8	-34.2	43.4	231
B-,Ma	10.1	55.1	-61.0	82.2	312
M-,Ma	34.5	80.6	-33.9	87.5	337
N-,Ma	6.2	0.0	0.0	0.0	0
W-,Ma	91.9	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

Los datos de color máximo (Ma):

$LabCh^*_{-,Ma}$: 63 -30 -42 51 234

$HIC^*_{-,Ma}$: G50B_100_100-

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

0.0 1.0 1.0 1.0 1.0

triángulo claridad T^*

% Gama

$u^*_{rel} = 114$

% Regularidad

$g^*_{H,rel} = 28$

$g^*_{C,rel} = 38$

ORS20a; datos adaptados CIELAB (a)

$H^*_$	$L^*=L^*_a$	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

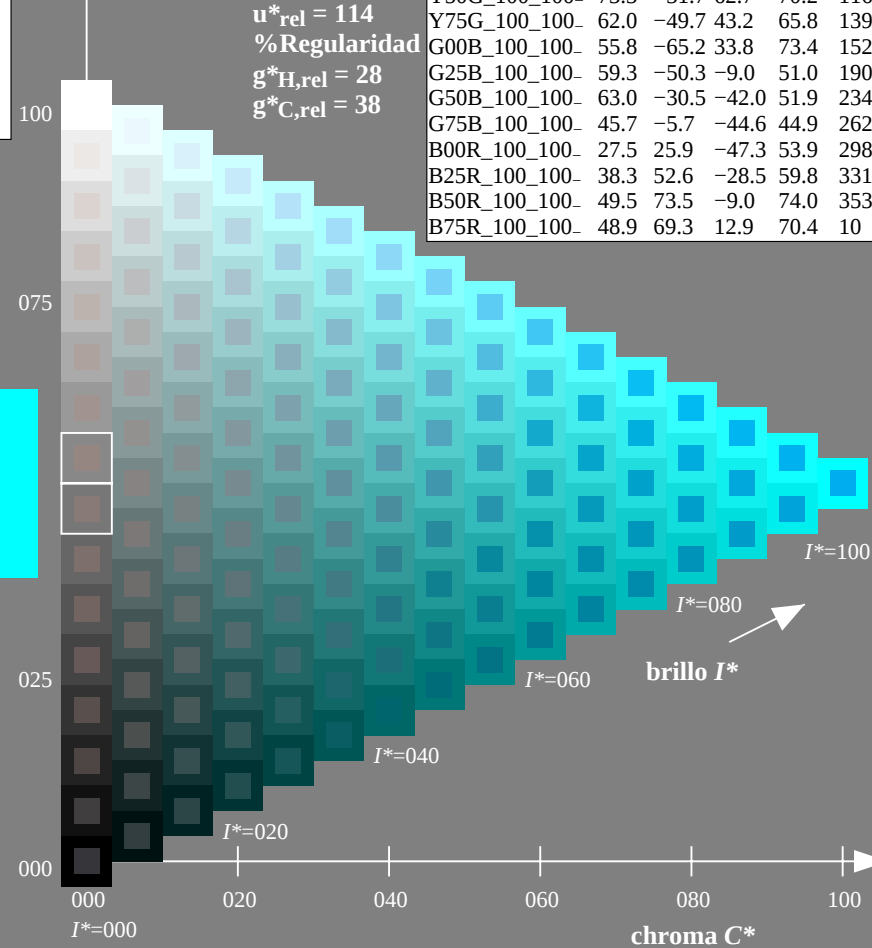
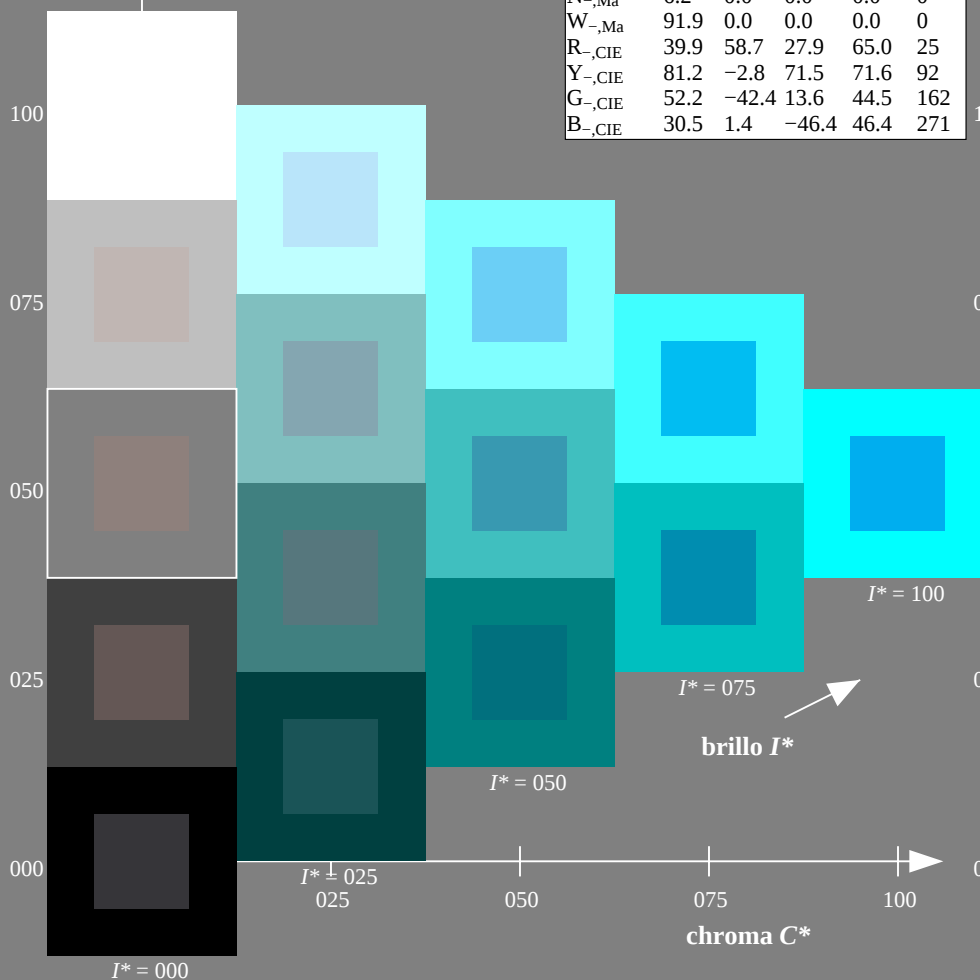


gráfico TUB-QS99; código de tono: $H^*_ = G50B-$
gráfico según a DIN 33872, 3D=1, de=0, cmk^*

entrada: $rgb/cmyk \rightarrow rgb/cmyk$
salida: ningún cambio

vea archivos semejantes: <http://130.149.60.45/~farbmetrik/QS99/QS99.HTM>
información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

TUB matrícula: 20130201-QS99/QS99L0FP.PDF /.PS
aplicación para la medida salida de impresora láser, separación cmyñ6* (CMYK)
TUB material: code=rha4ta

Entrada i salida: Printer Reflective System FRS06a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 235/360 = 0.65$

$H^*_d = G50B_d$

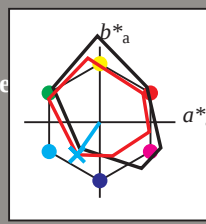
Datos del dispositivo (d) o elemental (e) color:

HIC^*_d

código de tono para les colore esta página:

$H^*_d = G50B_d$

triàngulo claridad T^*



LRS18a; datos adaptados CIELAB (a)

name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _d ,Ma	47.5	57.2	37.8	68.6	33
Y _d ,Ma	91.5	-15.8	84.6	86.1	100
G _d ,Ma	54.3	-67.6	30.8	74.3	155
C _d ,Ma	53.1	-30.0	-43.1	52.5	235
B _d ,Ma	32.5	16.9	-44.6	47.7	290
M _d ,Ma	48.1	65.4	-12.7	66.6	348
N _d ,Ma	23.8	0.0	0.0	0.0	0
W _d ,Ma	95.8	0.0	0.0	0.0	0
R _d ,CIE	39.9	58.7	27.9	65.0	25
Y _d ,CIE	81.2	-2.8	71.5	71.6	92
G _d ,CIE	52.2	-42.4	13.6	44.5	162
B _d ,CIE	30.5	1.4	-46.4	46.4	271

Los datos de color máximo (Ma):

$LabCh^*_d, Ma$: 53 -30 -43 52 235

HIC^*_d, Ma : G50B_100_100_d

$rgbic^*_d, Ma$:

0.0 1.0 1.0 1.0 1.0

triàngulo claridad T^*

% Gama
 $u^*_{rel} = 114$
% Regularidad
 $g^*_{H,rel} = 28$
 $g^*_{C,rel} = 38$

LRS18a; datos adaptados CIELAB (a)

H^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100 _d	47.5	57.2	37.8	68.6	33
R25Y_100_100 _d	57.4	43.5	54.5	69.7	51
R50Y_100_100 _d	70.5	19.2	66.2	69.0	73
R75Y_100_100 _d	83.5	-2.9	76.8	76.9	92
Y00G_100_100 _d	91.5	-15.8	84.6	86.1	100
Y25G_100_100 _d	90.4	-20.9	86.5	89.0	103
Y50G_100_100 _d	70.9	-41.7	54.8	68.9	127
Y75G_100_100 _d	60.1	-57.9	39.6	70.2	145
G00B_100_100 _d	54.3	-67.6	30.8	74.3	155
G25B_100_100 _d	55.0	-51.4	-8.9	52.2	189
G50B_100_100 _d	53.1	-30.0	-43.1	52.5	235
G75B_100_100 _d	46.1	-13.3	-49.4	51.1	254
B00R_100_100 _d	32.5	16.9	-44.6	47.7	290
B25R_100_100 _d	37.2	43.1	-30.8	53.0	324
B50R_100_100 _d	48.1	65.4	-12.7	66.6	348
B75R_100_100 _d	47.8	58.9	10.4	59.9	10

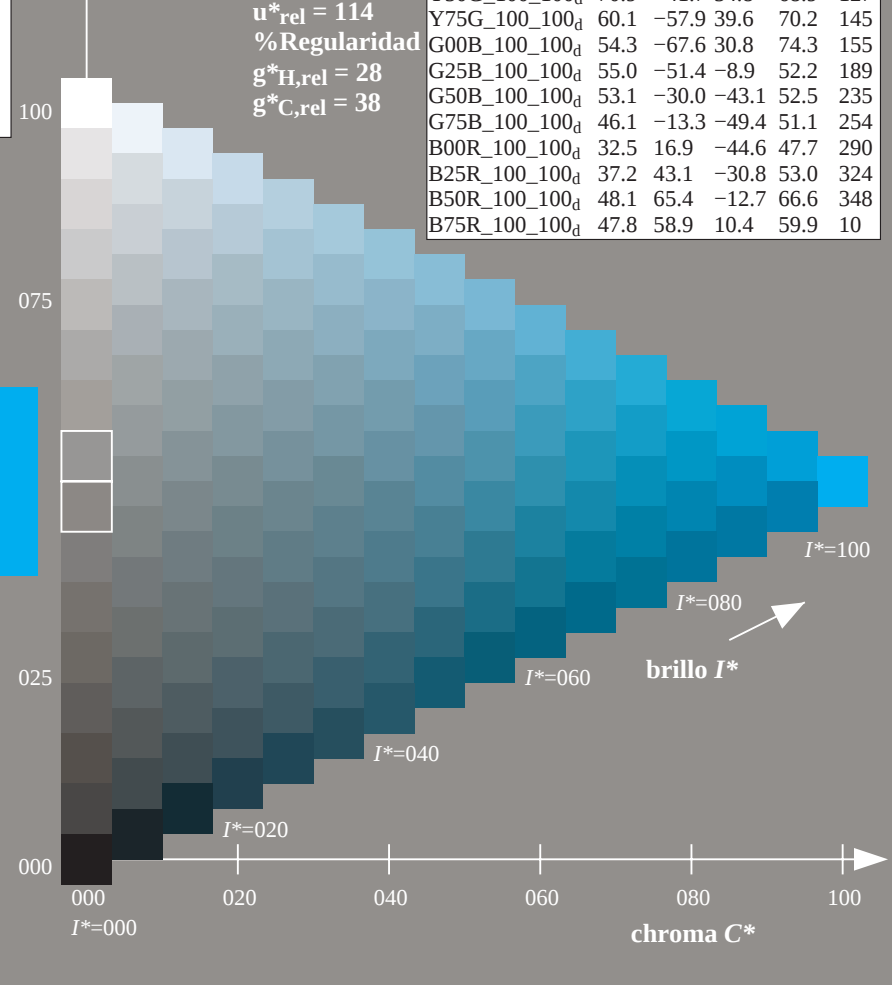
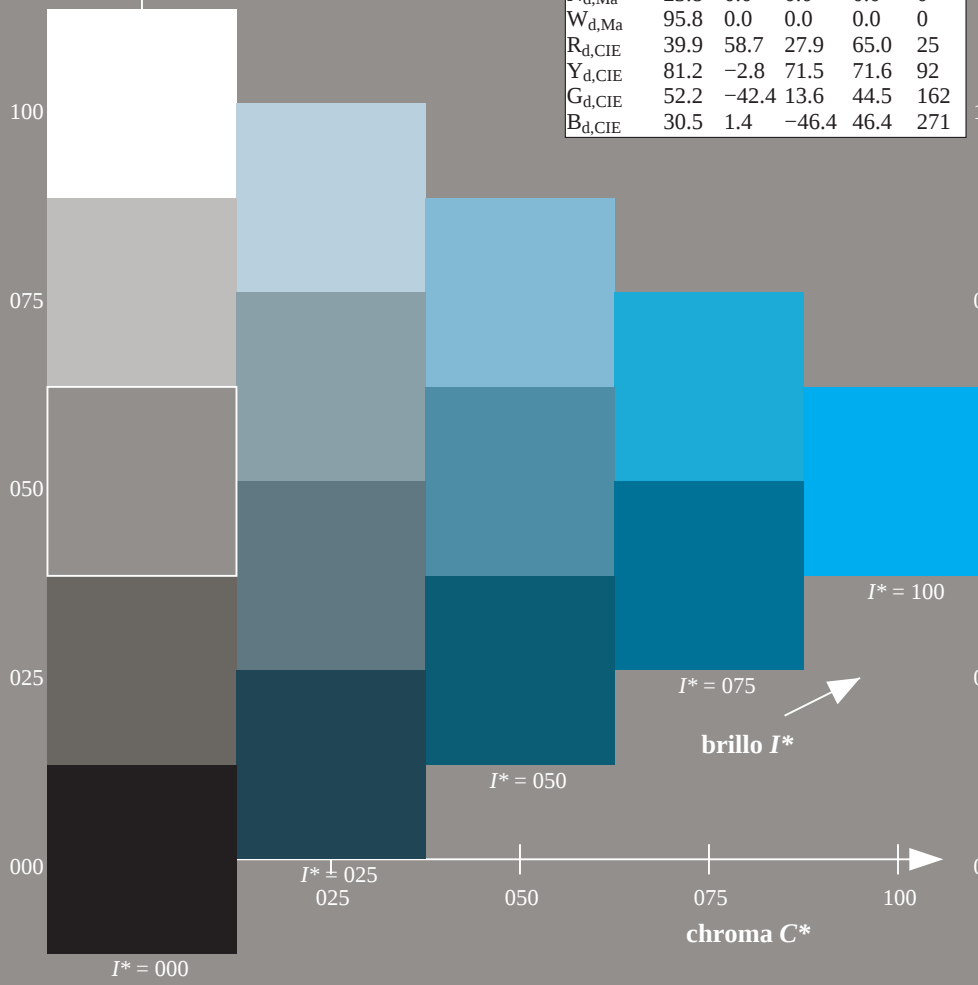
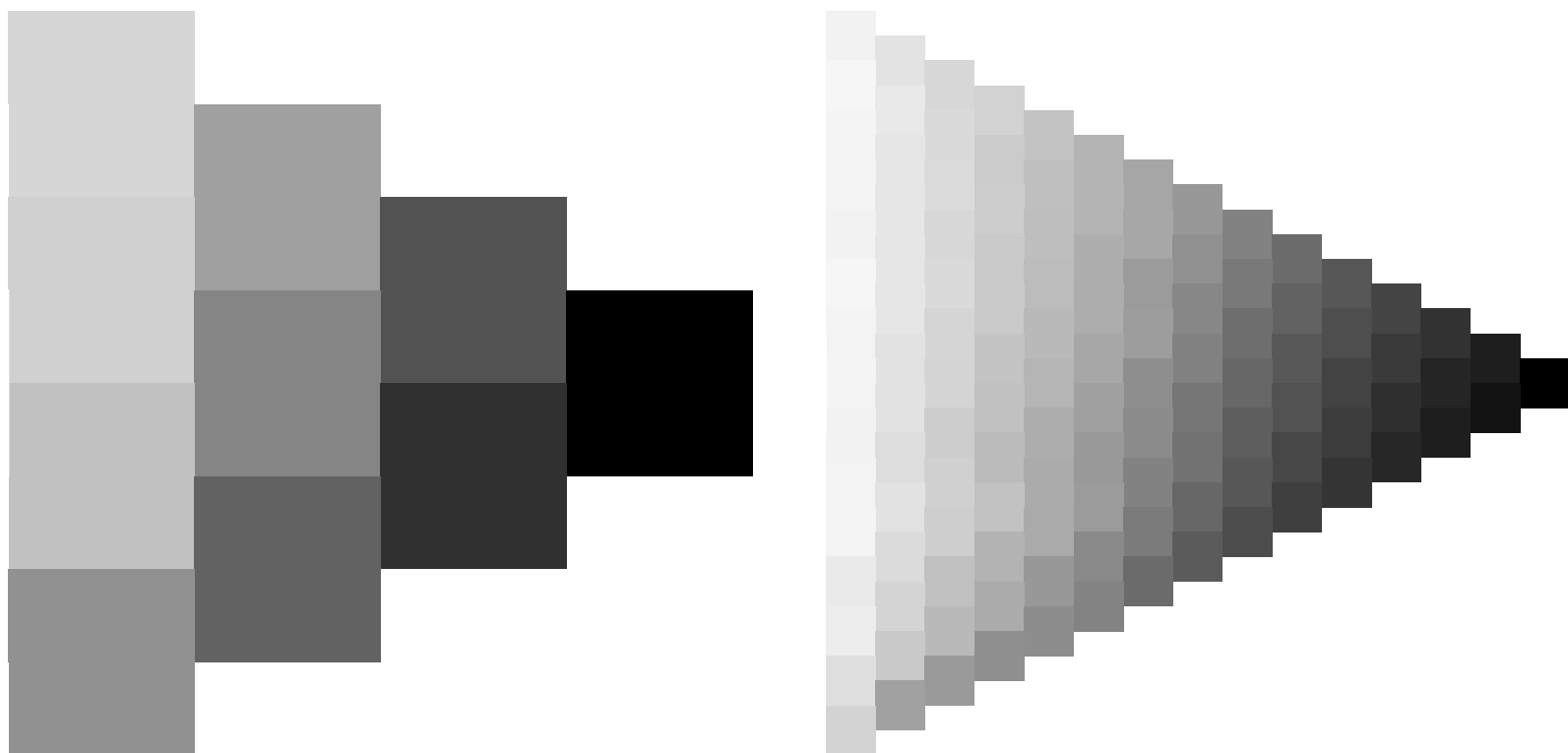


gráfico TUB-QS99; código de tono: $H^*_d=G50B_d$
gráfico según a DIN 33872, 3D=1, de=0, $cmyk^*$

entrada: $rgb/cmyk \rightarrow rgb_{dd}$
salida: 3D-linealización a $cmyk^*_{dd}$



Entrada i salida: Printer Reflective System FRS06a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 235/360 = 0.65$

$H^*_d = G50B_d$

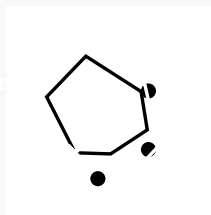
Datos del dispositivo (d) o
elemental (e) color:

HIC^*_d

código de tono para los colores
esta página:

$H^*_d = G50B_d$

triángulo claridad T^*



Los datos de color máximo (Ma):

$LabCh^*_d, Ma$: 53 -30 -43 52 235

HIC^*_d, Ma : G50B_100_100_d

$rgbic^*_d, Ma$:

0.0 1.0 1.0 1.0 1.0

triángulo claridad T^*

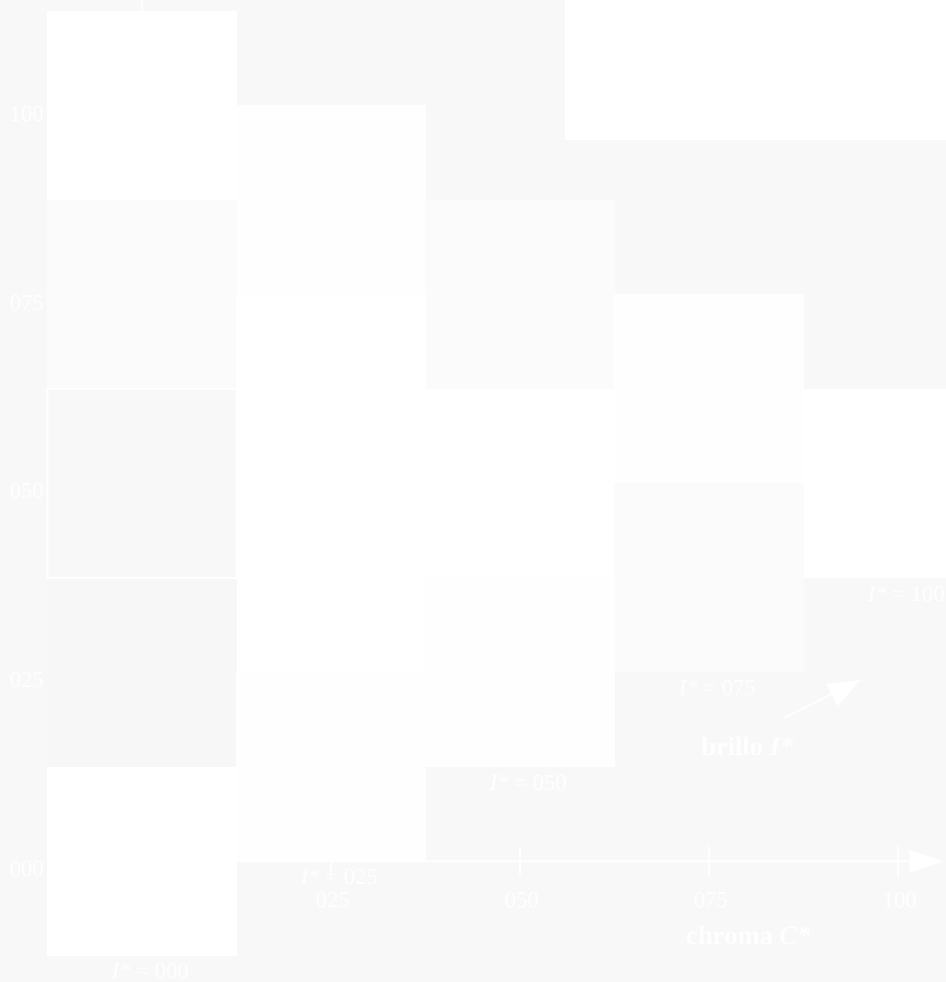
%Gama

$u^*_{rel} = 114$

%Regularidad

$g^*H_{rel} = 26$

$g^*C_{rel} = 38$



2-103330-L0 QS990-72
gráfico TUB-QS99; código de tono: $H^*_d = G50B_d$
gráfico según a DIN 33872, 3D=1, de=0, $cmyk^*$

entrada: $rgb/cmyk \rightarrow rgb_{dd}$

salida: 3D-linealización a $cmyk^*_{dd}$

Entrada i salida: Printer Reflective System FRS06a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 235/360 = 0.65$

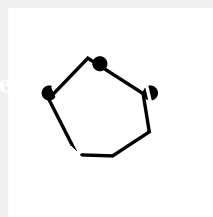
$H^*_d = G50B_d$

Datos del dispositivo (d) o
elemental (e) color:

HIC^*_d
código de tono para los colores
esta página:

$H^*_d = G50B_d$

triángulo claridad T^*



Los datos de color máximo (Ma):

$LabCh^*_{d,Ma}$: 53 -30 -43 52 235

$HIC^*_{d,Ma}$: G50B_100_100d

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

0.0 1.0 1.0 1.0 1.0

triángulo claridad T^*

%Gama

$u^*_{rel} = 114$

%Regularidad

$g^*_{H,rel} = 28$

$g^*_{C,rel} = 38$



gráfico TUB-QS99; código de tono: $H^*_d=G50B_d$
gráfico según a DIN 33872, 3D=1, de=0, cmk^*

entrada: $rgb/cmyk \rightarrow rgb_{dd}$
salida: 3D-linealización a $cmyk^*_{dd}$

Entrada i salida: Printer Reflective System FRS06a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 235/360 = 0.65$

$H^*_d = G50B_d$

Datos del dispositivo (d) o elemental (e) color:

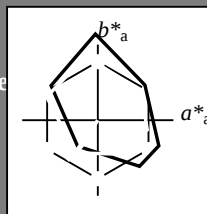
HIC^*_d

código de tono para les colore

esta página:

$H^*_d = G50B_d$

triàngulo claridad T^*



LRS18a; datos adaptados CIELAB (a)					
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$R_{d,Ma}$	47.5	57.2	37.8	68.6	33
$Y_{d,Ma}$	91.5	-15.8	84.6	86.1	100
$G_{d,Ma}$	54.3	-67.6	30.8	74.3	155
$C_{d,Ma}$	53.1	-30.0	-43.1	52.5	235
$B_{d,Ma}$	32.5	16.9	-44.6	47.7	290
$M_{d,Ma}$	48.1	65.4	-12.7	66.6	348
$N_{d,Ma}$	23.8	0.0	0.0	0.0	0
$W_{d,Ma}$	95.8	0.0	0.0	0.0	0
$R_{d,CIE}$	39.9	58.7	27.9	65.0	25
$Y_{d,CIE}$	81.2	-2.8	71.5	71.6	92
$G_{d,CIE}$	52.2	-42.4	13.6	44.5	162
$B_{d,CIE}$	30.5	1.4	-46.4	46.4	271

Los datos de color máximo (Ma):

$LabCh^*_{d,Ma}$: 53 -30 -43 52 235

$HIC^*_{d,Ma}$: G50B_100_100d

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

0.0 1.0 1.0 1.0 1.0

triàngulo claridad T^*

% Gama

$u^*_{rel} = 114$

%Regularidad

$g^*_{H,rel} = 28$

$g^*_{C,rel} = 38$

LRS18a; datos adaptados CIELAB (a)					
H^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R00Y_{100_100d}$	47.5	57.2	37.8	68.6	33
$R25Y_{100_100d}$	57.4	43.5	54.5	69.7	51
$R50Y_{100_100d}$	70.5	19.2	66.2	69.0	73
$R75Y_{100_100d}$	83.5	-2.9	76.8	76.9	92
$Y00G_{100_100d}$	91.5	-15.8	84.6	86.1	100
$Y25G_{100_100d}$	90.4	-20.9	86.5	89.0	103
$Y50G_{100_100d}$	70.9	-41.7	54.8	68.9	127
$Y75G_{100_100d}$	60.1	-57.9	39.6	70.2	145
$G00B_{100_100d}$	54.3	-67.6	30.8	74.3	155
$G25B_{100_100d}$	55.0	-51.4	-8.9	52.2	189
$G50B_{100_100d}$	53.1	-30.0	-43.1	52.5	235
$G75B_{100_100d}$	46.1	-13.3	-49.4	51.1	254
$B00R_{100_100d}$	32.5	16.9	-44.6	47.7	290
$B25R_{100_100d}$	37.2	43.1	-30.8	53.0	324
$B50R_{100_100d}$	48.1	65.4	-12.7	66.6	348
$B75R_{100_100d}$	47.8	58.9	10.4	59.9	10

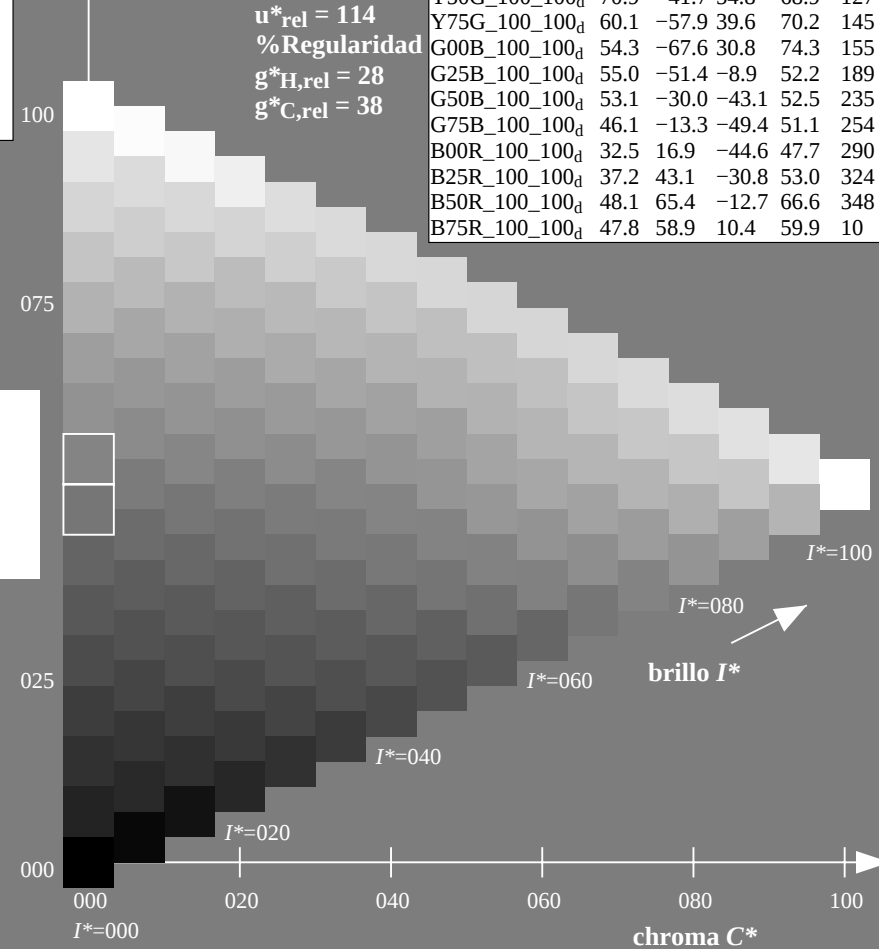
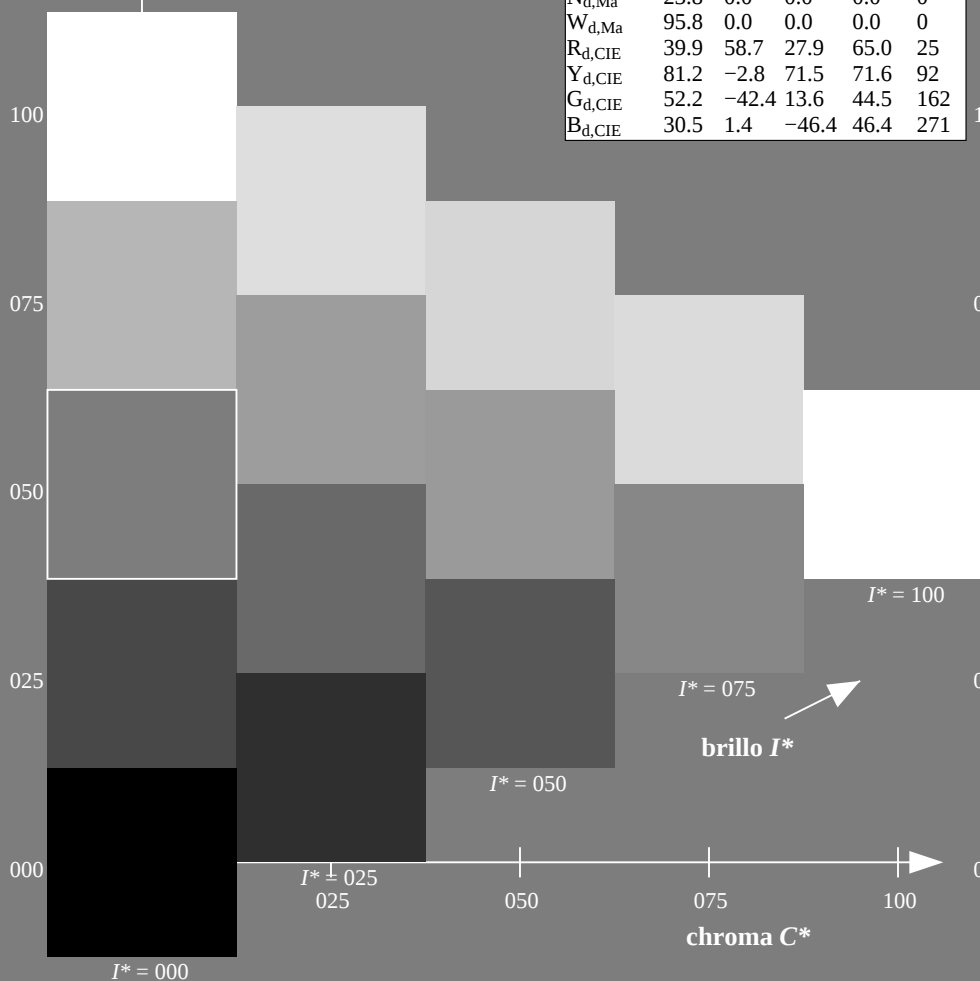


gráfico TUB-QS99; código de tono: $H^*_d=G50B_d$
gráfico según a DIN 33872, 3D=1, de=0, cmk^*

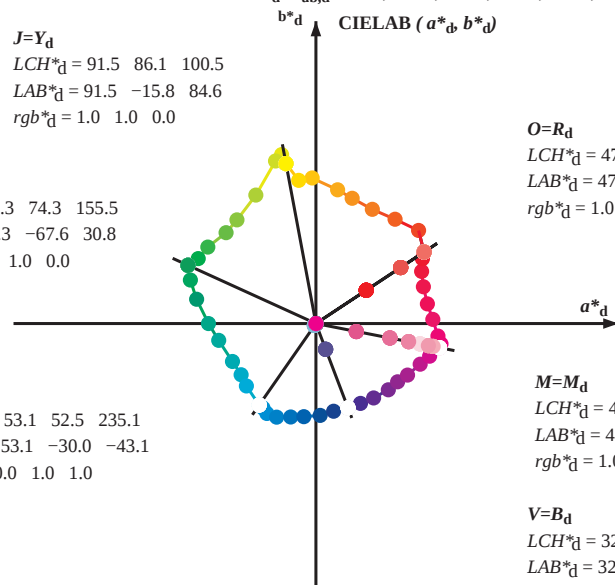
entrada: $rgb/cmyk \rightarrow rgb_{dd}$
salida: 3D-linealización a $cmyk^*_{dd}$

Data of Maximum color M in colorimetric system Laser printer output; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGBM_s$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$; Six hue angles of the device colours $RYGBM_d$: $h_{ab,d} = 33.5, 100.6, 155.5, 235.2, 290.8, 348.9$; Six hue angles of the elementary colours $RYGBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$J=Y_d$
 $LCH^*_d = 91.5 \ 86.1 \ 100.5$
 $LAB^*_d = 91.5 \ -15.8 \ 84.6$
 $rgb^*_d = 1.0 \ 1.0 \ 0.0$

$L=G_d$
 $LCH^*_d = 54.3 \ 74.3 \ 155.5$
 $LAB^*_d = 54.3 \ -67.6 \ 30.8$
 $rgb^*_d = 0.0 \ 1.0 \ 0.0$

$C=C_d$
 $LCH^*_d = 53.1 \ 52.5 \ 235.1$
 $LAB^*_d = 53.1 \ -30.0 \ -43.1$
 $rgb^*_d = 0.0 \ 1.0 \ 1.0$



$O=R_d$
 $LCH^*_d = 47.5 \ 68.6 \ 33.4$
 $LAB^*_d = 47.5 \ 57.2 \ 37.8$
 $rgb^*_d = 1.0 \ 0.0 \ 0.0$

$M=M_d$
 $LCH^*_d = 48.1 \ 66.6 \ 348.9$
 $LAB^*_d = 48.1 \ 65.4 \ -12.7$
 $rgb^*_d = 1.0 \ 0.0 \ 1.0$

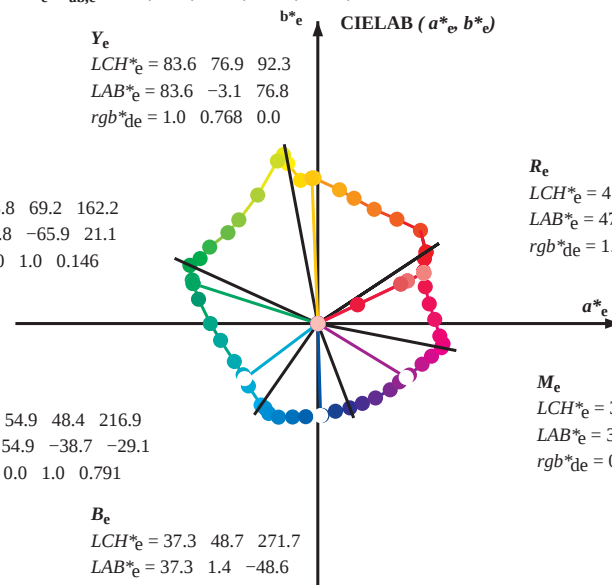
$V=B_d$
 $LCH^*_d = 32.5 \ 47.7 \ 290.8$
 $LAB^*_d = 32.5 \ 16.9 \ -44.6$
 $rgb^*_d = 0.0 \ 0.0 \ 1.0$

Y_e
 $LCH^*_e = 83.6 \ 76.9 \ 92.3$
 $LAB^*_e = 83.6 \ -3.1 \ 76.8$
 $rgb^*_{de} = 1.0 \ 0.768 \ 0.0$

G_e
 $LCH^*_e = 53.8 \ 69.2 \ 162.2$
 $LAB^*_e = 53.8 \ -65.9 \ 21.1$
 $rgb^*_{de} = 0.0 \ 1.0 \ 0.146$

C_e
 $LCH^*_e = 54.9 \ 48.4 \ 216.9$
 $LAB^*_e = 54.9 \ -38.7 \ -29.1$
 $rgb^*_{de} = 0.0 \ 1.0 \ 0.791$

B_e
 $LCH^*_e = 37.3 \ 48.7 \ 271.7$
 $LAB^*_e = 37.3 \ 1.4 \ -48.6$
 $rgb^*_{de} = 0.0 \ 0.261 \ 1.0$

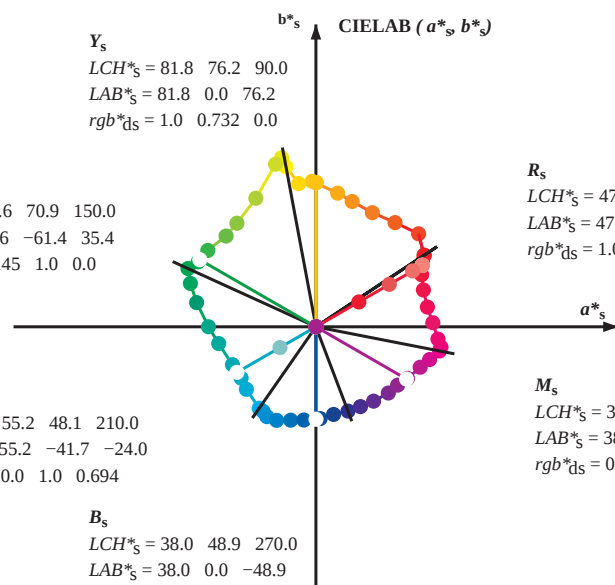


R_e
 $LCH^*_e = 47.5 \ 62.1 \ 25.4$
 $LAB^*_e = 47.5 \ 56.0 \ 26.7$
 $rgb^*_{de} = 1.0 \ 0.0 \ 0.263$

M_e
 $LCH^*_e = 38.5 \ 54.7 \ 328.6$
 $LAB^*_e = 38.5 \ 46.7 \ -28.5$
 $rgb^*_{de} = 0.584 \ 0.0 \ 1.0$

Y_s
 $LCH^*_s = 81.8 \ 76.2 \ 90.0$
 $LAB^*_s = 81.8 \ 0.0 \ 76.2$
 $rgb^*_{ds} = 1.0 \ 0.732 \ 0.0$

G_s
 $LCH^*_s = 57.6 \ 70.9 \ 150.0$
 $LAB^*_s = 57.6 \ -61.4 \ 35.4$
 $rgb^*_{ds} = 0.145 \ 1.0 \ 0.0$



R_s
 $LCH^*_s = 47.6 \ 65.0 \ 30.0$
 $LAB^*_s = 47.6 \ 56.3 \ 32.5$
 $rgb^*_{ds} = 1.0 \ 0.0 \ 0.157$

M_s
 $LCH^*_s = 38.9 \ 55.3 \ 330.0$
 $LAB^*_s = 38.9 \ 47.9 \ -27.6$
 $rgb^*_{ds} = 0.612 \ 0.0 \ 1.0$

C_s
 $LCH^*_s = 55.2 \ 48.1 \ 210.0$
 $LAB^*_s = 55.2 \ -41.7 \ -24.0$
 $rgb^*_{ds} = 0.0 \ 1.0 \ 0.694$

B_s
 $LCH^*_s = 38.0 \ 48.9 \ 270.0$
 $LAB^*_s = 38.0 \ 0.0 \ -48.9$
 $rgb^*_{ds} = 0.0 \ 0.283 \ 1.0$

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

$rgb^*_d, LCH^*_d, LAB^*_d$
 $h_{ab,s}, rgb^*_s$

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

$h_{ab,s}$

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

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

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

$h_{ab,e}$

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

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

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

$h_{ab,d}$

rgb^*_{de}

2-103630-L0 QS990-72 LAB*la0, YN=0%, XYZznw=3.9, 4.1, 4.1, 84.7, 89.6, 93.9, LAB*nw=23.9, 0.0, 0.0, 95.8, 0.0, 0.0

gráfico TUB-QS99; código de tono: $H^*_d=G50B_d$
círculo de tono, 48 pasos; $rgb-LabCh^*$ mesas

entrada: $rgb/cmyk \rightarrow rgb_{dd}$

salida: 3D-linealización a $cmyk^*_{dd}$

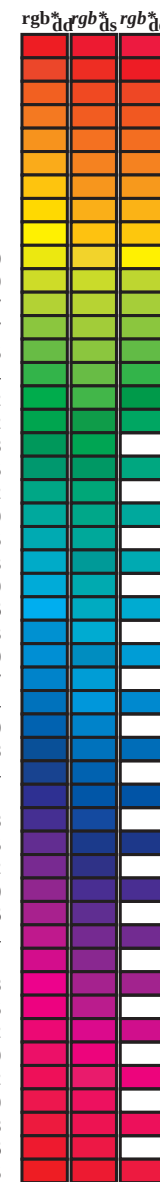
salida: Laser printer output; separation cmyn6*, D65, página 7/33

Data of Maximum color M in colorimetric system Laser printer output; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours *RYGBM*_s: *h*_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;
Six hue angles of the device colours *RYGBM*_d: *h*_{ab,d} = 33.5, 100.6, 155.5, 235.2, 290.8, 348.9; Six hue angles of the elementary colours *RYGBM*_e: *h*_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

<i>h</i> _{ab,d}	<i>h</i> _{ab,s}	<i>h</i> _{ab,e}	<i>rgb</i> [*] _{dd64M}	<i>LAB</i> [*] _{ddx64M (x=LabCh)}	<i>rgb</i> [*] _{ddx361M}	<i>LAB</i> [*] _{ddx361M (x=LabCh)}	<i>rgb</i> [*] _{dsx361M}	<i>LAB</i> [*] _{dsx361M (x=LabCh)}	<i>rgb</i> [*] _{dex361M}	<i>LAB</i> [*] _{dex361M}																								
33.4	30.0	25.4	1.0	0.0	0.0	47.5	57.2	37.9	68.6	33	1.0	0.0	0.0	47.5	57.2	37.9	68.6	33	1.0	0.0	0.158	47.7	56.3	32.5	65.0	30	1.0	0.0	0.263	47.6	56.1	26.7	62.1	25
42.1	37.5	33.8	1.0	0.125	0.0	51.9	54.3	49.2	73.2	42.1	1.0	0.117	0.0	51.7	54.6	48.5	73.0	41	1.0	0.0	0.05	49.4	56.3	42.4	70.5	37	1.0	0.0	0.012	47.6	57.2	37.5	68.4	33
52.8	45.0	42.1	1.0	0.25	0.0	58.2	41.8	55.1	69.2	52.8	1.0	0.25	0.0	58.3	41.8	55.2	69.2	52	1.0	0.158	0.0	53.6	51.1	51.1	72.2	45	1.0	0.125	0.0	52.0	54.3	49.2	73.2	42
63.7	52.5	50.5	1.0	0.375	0.0	64.6	29.8	60.4	67.3	63.7	1.0	0.367	0.0	64.2	30.6	60.1	67.5	63	1.0	0.24	0.0	57.8	42.8	54.8	69.6	52	1.0	0.216	0.0	56.6	45.2	53.9	70.3	49
73.8	60.0	58.8	1.0	0.5	0.0	70.5	19.2	66.2	69.0	73.8	1.0	0.5	0.0	70.5	19.2	66.3	69.0	73	1.0	0.332	0.0	62.5	34.0	58.9	68.0	60	1.0	0.32	0.0	61.8	35.2	58.4	68.2	58
80.7	67.5	67.2	1.0	0.625	0.0	74.9	11.4	70.7	71.6	80.7	1.0	0.617	0.0	74.6	12.0	70.5	71.5	80	1.0	0.416	0.0	66.6	26.5	62.5	67.9	67	1.0	0.412	0.0	66.4	26.9	62.3	67.9	66
91.5	75.0	75.6	1.0	0.75	0.0	82.9	-2.0	76.9	77.0	91.5	1.0	0.75	0.0	83.0	-1.9	77.0	77.0	-268	1.0	0.521	0.0	71.3	18.0	67.1	69.5	75	1.0	0.532	0.0	71.6	17.3	67.5	69.7	75
96.8	82.5	83.9	1.0	0.875	0.0	87.6	-9.0	75.7	76.3	96.8	1.0	0.867	0.0	87.3	-8.5	75.9	76.4	96	1.0	0.639	0.0	75.8	10.1	71.6	72.3	82	1.0	0.655	0.0	76.9	8.4	72.5	73.0	83
100.5	90.0	92.3	1.0	1.0	0.0	91.5	-15.8	84.6	86.1	100.5	1.0	1.0	0.0	91.6	-15.7	84.7	86.2	100	1.0	0.732	0.0	81.8	0.0	76.3	76.3	90	1.0	0.769	0.0	83.7	-3.0	76.8	76.9	92
101.4	97.5	101.0	0.875	1.0	0.0	92.8	-18.1	89.4	91.2	101.4	0.883	1.0	0.0	92.7	-17.9	89.1	90.9	101	1.0	0.88	0.0	87.8	-9.3	76.2	76.7	97	1.0	0.996	0.0	91.5	-15.5	84.4	85.8	100
103.9	105.0	109.7	0.75	1.0	0.0	90.1	-21.3	86.0	88.6	103.9	0.75	1.0	0.0	90.1	-21.3	86.0	88.7	103	0.738	1.0	0.0	89.2	-22.5	84.4	87.4	105	0.684	1.0	0.0	84.7	-27.5	76.7	81.5	109
115.0	112.5	118.5	0.625	1.0	0.0	79.9	-31.7	67.9	75.0	115.0	0.633	1.0	0.0	80.6	-31.1	69.2	75.9	114	0.659	1.0	0.0	82.7	-29.4	73.0	78.8	112	0.595	1.0	0.0	77.8	-34.4	65.0	73.6	117
127.3	120.0	127.2	0.5	1.0	0.0	70.9	-41.7	54.8	68.9	127.3	0.5	1.0	0.0	71.0	-41.7	54.8	68.9	127	0.574	1.0	0.0	76.3	-36.2	62.8	72.6	120	0.501	1.0	0.0	71.0	-41.6	54.9	68.9	127
134.7	127.5	136.0	0.375	1.0	0.0	66.5	-47.5	48.0	67.6	134.7	0.383	1.0	0.0	66.9	-47.1	48.5	67.7	134	0.503	1.0	0.0	71.2	-41.5	55.2	69.1	127	0.366	1.0	0.0	66.2	-48.2	47.6	67.8	135
144.7	135.0	144.7	0.25	1.0	0.0	60.6	-57.2	40.4	70.1	144.7	0.25	1.0	0.0	60.6	-57.2	40.5	70.1	144	0.372	1.0	0.0	66.4	-47.8	47.9	67.7	135	0.25	1.0	0.0	60.6	-57.1	40.5	70.1	144
151.0	142.5	153.4	0.125	1.0	0.0	57.0	-62.2	34.4	71.1	151.0	0.133	1.0	0.0	57.3	-61.8	34.8	71.0	150	0.284	1.0	0.0	62.3	-54.6	42.7	69.4	142	0.073	1.0	0.0	55.9	-64.4	33.0	72.5	152
155.5	150.0	162.2	0.0	1.0	0.0	54.3	-67.6	30.8	74.3	155.5	0.0	1.0	0.0	54.3	-67.6	30.8	74.4	155	0.146	1.0	0.0	57.6	-61.3	35.5	70.9	150	0.0	1.0	0.147	53.8	-65.9	21.1	69.3	162
160.8	157.5	169.0	0.0	1.0	0.125	53.8	-66.4	23.5	70.2	160.8	0.0	1.0	0.117	53.9	-66.4	23.5	70.6	160	0.0	1.0	0.035	54.2	-67.3	28.6	73.2	157	0.0	1.0	0.251	53.8	-63.0	12.7	64.4	168
168.5	165.0	175.9	0.0	1.0	0.25	53.7	-63.1	12.8	64.4	168.5	0.0	1.0	0.25	53.8	-63.1	12.8	64.4	168	0.0	1.0	0.192	53.8	-64.7	17.4	67.1	165	0.0	1.0	0.331	54.4	-59.3	4.2	59.5	175
179.9	172.5	182.7	0.0	1.0	0.375	54.7	-56.8	0.0	56.8	179.9	0.0	1.0	0.367	54.7	-57.2	0.8	57.3	179	0.0	1.0	0.288	54.1	-61.4	8.6	62.1	172	0.0	1.0	0.405	54.8	-55.6	-2.1	55.7	182
189.8	180.0	189.6	0.0	1.0	0.5	55.0	-51.4	-8.9	52.2	189.8	0.0	1.0	0.5	55.0	-51.4	-8.8	52.2	189	0.0	1.0	0.375	54.8	-56.7	0.0	56.8	180	0.0	1.0	0.497	55.0	-51.5	-8.6	52.3	189
204.4	187.5	196.4	0.0	1.0	0.625	55.3	-44.1	-20.0	48.5	204.4	0.0	1.0	0.617	55.3	-44.6	-19.3	48.8	203	0.0	1.0	0.464	55.0	-53.0	-6.4	53.5	187	0.0	1.0	0.553	55.2	-48.6	-13.9	50.7	195
214.4	195.0	203.2	0.0	1.0	0.75	55.2	-39.5	-27.1	47.9	214.4	0.0	1.0	0.75	55.2	-39.4	-27.0	47.9	214	0.0	1.0	0.544	55.2	-49.1	-13.1	50.9	195	0.0	1.0	0.615	55.3	-44.7	-19.2	48.8	203
221.9	202.5	210.1	0.0	1.0	0.875	54.4	-36.7	-33.0	49.4	221.9	0.0	1.0	0.867	54.5	-36.9	-32.6	49.4	221	0.0	1.0	0.604	55.3	-45.5	-18.3	49.1	202	0.0	1.0	0.69	55.3	-41.8	-23.8	48.2	209
235.1	210.0	216.9	0.0	1.0	1.0	53.1	-30.0	-43.1	52.5	235.1	0.0	1.0	1.0	53.1	-29.9	-43.0	52.5	235	0.0	1.0	0.694	55.3	-41.6	-24.0	48.2	210	0.0	1.0	0.792	55.0	-38.6	-29.0	48.4	216
237.9	217.5	223.8	0.0	0.875	1.0	53.1	-27.9	-44.7	52.7	237.9	0.0	0.883	1.0	53.1	-28.0	-44.5	52.8	237	0.0	1.0	0.792	55.0	-38.6	-29.1	48.5	217	0.0	1.0	0.888	54.3	-36.1	-34.1	49.8	223
241.3	225.0	230.6	0.0	0.75	1.0	52.9	-25.9	-47.5	54.1	241.3	0.0	0.75	1.0	52.9	-25.8	-47.5	54.2	241	0.0	1.0	0.904	54.2	-35.4	-35.4	50.2	225	0.0	1.0	0.957	53.6	-32.5	-39.7	51.5	230
247.2	232.5	237.5	0.0	0.625	1.0	50.5	-20.8	-49.5	53.7	247.2	0.0	0.633	1.0	50.7	-21.1	-49.3	53.8	246	0.0	1.0	0.97	53.5	-31.8	-40.7	51.8	232	0.0	0.916	1.0	53.1	-28.6	-44.1	52.7	237
254.9	240.0	244.3	0.0	0.5	1.0	46.1	-13.3	-49.4	51.1	254.9	0.0	0.5	1.0	46.2	-13.2	-49.3	51.2	254	0.0	0.801	1.0	53.0	-26.7	-46.3	53.6	240	0.0	0.686	1.0	51.7	-23.3	-48.5	54.0	244
262.6	247.5	251.2	0.0	0.375	1.0	41.4	-6.3	-49.2	49.6	262.6	0.0	0.383	1.0	41.7	-6.7	-49.2	49.8	262	0.0	0.63	1.0	50.7	-20.9	-49.4	53.8	247	0.0	0.568	1.0	48.6	-17.2	-49.5	52.6	250
272.6	255.0	258.0	0.0	0.25	1.0	36.8	2.2	-48.5	48.6	272.6	0.0	0.25	1.0	36.9	2.2	-48.5	48.6	272	0.0	0.499	1.0	46.1	-13.1	-49.3	51.2	255	0.0	0.449	1.0	44.2	-10.4	-49.4	50.6	258
281.4	262.5	264.8	0.0	0.125	1.0	35.0	9.4	-46.3	47.3	281.4	0.0	0.133	1.0	35.2	8.9	-46.5	47.4	280	0.0	0.386	1.0	41.8	-6.8	-49.2	49.8	262	0.0	0.353	1.0	40.6	-4.7	-49.2	49.5	264
290.8	270.0	271.7	0.0	0.0	1.0	32.5	16.9	-44.6	47.7	290.8	0.0	0.0	1.0	32.6	16.9	-44.5	47.7	290	0.0	0.283	1.0	38.1	0.0	-48.8	48.9	270	0.0	0.261	1.0	37.3	1.5	-48.6	48.7	271
299.2	277.5	278.8	0.125	0.0	1.0	31.6	23.6	-42.2	48.4	299.2	0.117	0.0	1.0	31.7	23.2	-42.3	48.4	298	0.0	0.188	1.0	36.0	5.8	-47.5	48.0	277	0.0	0.169	1.0	35.7	7.0	-47.2	47.8	278
307.8	285.0	285.9	0.25	0.0	1.0	31.0	30.5	-39.3	49.8	307.8	0.25	0.0	1.0	31.0	30.6	-39.3	49.9	307	0.0	0.078	1.0	34.1	12.3	-45.8	47.5	285	0.0	0.065	1.0	33.9	13.1	-45.6	47.5	285
317.5	292.5	293.0	0.375	0.0	1.0	34.2	38.2	-35.0	51.8	317.5	0.367	0.0	1.0	34.0	37.8	-35.3	51.7	316	0.018	0.0	1.0	32.4	17.9	-44.2	47.8	292	0.026	0.0	1.0	32.4	18.4	-44.1	47.9	292
324.4	300.0	300.1	0.5	0.0	1.0	37.2	43.1	-30.8	53.0	324.4	0.5	0.0	1.0	37.2	43.2	-30.8	53.1	324	0.136	0.0	1.0	31.6	24.3	-41.9	48.5	300	0.139	0.0	1.0	31.5	24.4	-41.9	48.6	300
330.6	307.5	307.2	0.625	0.0	1.0	39.1	48.4	-27.2	55.6	330.6	0.617	0.0	1.0	39.0	48.1	-27.4	5																	

Data of Maximum color M in colorimetric system Laser printer output; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGCBM_s$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 33.5, 100.6, 155.5, 235.2, 290.8, 348.9$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd64M}	$LAB^*_{ddx64M} (x=LabCh)$	$rgb^*_{dex361M}$	$LAB^*_{dex361M}$
33.4	30.0	25.4	1.0 0.0 0.0	47.5 57.2 37.8 68.6 33.4	1.0 0.0 0.263 47.6	56.1 26.7 62.1 25
42.1	37.5	33.8	1.0 0.125 0.0	51.9 54.3 49.2 73.2 42.1	1.0 0.0 0.012 47.6	57.2 37.5 68.4 33
52.8	45.0	42.1	1.0 0.25 0.0	58.2 41.8 55.1 69.2 52.8	1.0 0.125 0.0	52.0 54.3 49.2 73.3 42
63.7	52.5	50.5	1.0 0.375 0.0	64.6 29.8 60.4 67.3 63.7	1.0 0.216 0.0	56.6 45.2 53.9 70.3 49
73.8	60.0	58.8	1.0 0.5 0.0	70.5 19.2 66.2 69.0 73.8	1.0 0.32 0.0	61.8 35.2 58.4 68.2 58
80.7	67.5	67.2	1.0 0.625 0.0	74.9 11.4 70.7 71.6 80.7	1.0 0.412 0.0	66.4 26.9 62.3 67.9 66
91.5	75.0	75.6	1.0 0.75 0.0	82.9 -2.0 76.9 77.0 91.5	1.0 0.532 0.0	71.6 17.3 67.5 69.7 75
96.8	82.5	83.9	1.0 0.875 0.0	87.6 -9.0 75.7 76.3 96.8	1.0 0.655 0.0	76.9 8.4 72.5 73.0 83
100.5	90.0	92.3	1.0 1.0 0.0	91.5 -15.8 84.6 86.1 100.5	1.0 0.769 0.0	83.7 -3.0 76.8 76.9 92
101.4	97.5	101.0	0.875 1.0 0.0	92.8 -18.1 89.4 91.2 101.4	1.0 0.996 0.0	91.5 -15.5 84.4 85.8 100
103.9	105.0	109.7	0.75 1.0 0.0	90.1 -21.3 86.0 88.6 103.9	0.684 1.0 0.0	84.7 -27.5 76.7 81.5 109
115.0	112.5	118.5	0.625 1.0 0.0	79.9 -31.7 67.9 75.0 115.0	0.595 1.0 0.0	77.8 -34.4 65.0 73.6 117
127.3	120.0	127.2	0.5 1.0 0.0	70.9 -41.7 54.8 68.9 127.3	0.501 1.0 0.0	71.0 -41.6 54.9 68.9 127
134.7	127.5	136.0	0.375 1.0 0.0	66.5 -47.5 48.0 67.6 134.7	0.366 1.0 0.0	66.2 -48.2 47.6 67.8 135
144.7	135.0	144.7	0.25 1.0 0.0	60.6 -57.2 40.4 70.1 144.7	0.25 1.0 0.0	60.6 -57.1 40.5 70.1 144
151.0	142.5	153.4	0.125 1.0 0.0	57.0 -62.2 34.4 71.1 151.0	0.073 1.0 0.0	55.9 -64.4 33.0 72.5 152
155.5	150.0	162.2	0.0 1.0 0.0	54.3 -67.6 30.8 74.3 155.5	0.0 1.0 0.147 53.8	-65.9 21.1 69.3 162
160.8	157.5	169.0	0.0 1.0 0.125 53.8	-66.4 23.0 70.2 160.8	0.0 1.0 0.251 53.8	-63.0 12.7 64.4 168
168.5	165.0	175.9	0.0 1.0 0.25 53.7	-63.1 12.8 64.4 168.5	0.0 1.0 0.331 54.4	-59.3 4.2 59.5 175
179.9	172.5	182.7	0.0 1.0 0.375 54.7	-56.8 0.0 56.8 179.9	0.0 1.0 0.405 54.8	-55.6 -2.1 55.7 182
189.8	180.0	189.6	0.0 1.0 0.5 55.0	-51.4 -8.9 52.2 189.8	0.0 1.0 0.497 55.0	-51.5 -8.6 52.3 189
204.4	187.5	196.4	0.0 1.0 0.625 55.3	-44.1 -20.0 48.5 204.4	0.0 1.0 0.553 55.2	-48.6 -13.9 50.7 195
214.4	195.0	203.2	0.0 1.0 0.75 55.2	-39.5 -27.1 47.9 214.4	0.0 1.0 0.615 55.3	-44.7 -19.2 48.8 203
221.9	202.5	210.1	0.0 1.0 0.875 54.4	-36.7 -33.0 49.4 221.9	0.0 1.0 0.69 55.3	-41.8 -23.8 48.2 209
235.1	210.0	216.9	0.0 1.0 1.0 53.1	-30.0 -43.1 52.5 235.1	0.0 1.0 0.792 55.0	-38.6 -29.0 48.4 216
237.9	217.5	223.8	0.0 0.875 1.0 53.1	-27.9 -44.7 52.7 237.9	0.0 1.0 0.888 54.3	-36.1 -34.1 49.8 223
241.3	225.0	230.6	0.0 0.75 1.0 52.9	-25.9 -47.5 54.1 241.3	0.0 1.0 0.957 53.6	-32.5 -39.7 51.5 230
247.2	232.5	237.5	0.0 0.625 1.0 50.5	-20.8 -49.5 53.7 247.2	0.0 0.916 1.0 53.1	-28.6 -44.1 52.7 237
254.9	240.0	244.3	0.0 0.5 1.0 46.1	-13.3 -49.4 51.1 254.9	0.0 0.686 1.0 51.7	-23.3 -48.5 54.0 244
262.6	247.5	251.2	0.0 0.375 1.0 41.4	-6.3 -49.2 49.6 262.6	0.0 0.568 1.0 48.6	-17.2 -49.5 52.6 250
272.6	255.0	258.0	0.0 0.25 1.0 36.8	2.2 -48.5 48.6 272.6	0.0 0.449 1.0 44.2	-10.4 -49.4 50.6 258
281.4	262.5	264.8	0.0 0.125 1.0 35.0	9.4 -46.3 47.3 281.4	0.0 0.353 1.0 40.6	-4.7 -49.2 49.5 264
290.8	270.0	271.7	0.0 0.0 1.0 32.5	16.9 -44.6 47.7 290.8	0.0 0.261 1.0 37.3	1.5 -48.6 48.7 271
299.2	277.5	278.8	0.125 0.0 1.0 31.6	23.6 -42.2 48.4 299.2	0.0 0.169 1.0 35.7	7.0 -47.2 47.8 278
307.8	285.0	285.9	0.25 0.0 1.0 31.0	30.5 -39.3 49.8 307.8	0.0 0.065 1.0 33.9	13.1 -45.6 47.5 285
317.5	292.5	293.0	0.375 0.0 1.0 34.2	38.2 -35.0 51.8 317.5	0.026 0.0 1.0 32.4	18.4 -44.1 47.9 292
324.4	300.0	300.1	0.5 0.0 1.0 37.2	43.1 -30.8 53.0 324.4	0.139 0.0 1.0 31.5	24.4 -41.9 48.6 300
330.6	307.5	307.2	0.625 0.0 1.0 39.1	48.4 -27.2 55.6 330.6	0.235 0.0 1.0 31.1	29.8 -39.7 49.7 306
338.7	315.0	314.3	0.75 0.0 1.0 41.8	55.1 -21.4 59.1 338.7	0.335 0.0 1.0 33.2	35.8 -36.5 51.2 314
343.9	322.5	321.4	0.875 0.0 1.0 45.6	60.1 -17.3 62.6 343.9	0.439 0.0 1.0 35.8	40.8 -32.9 52.5 321
348.9	330.0	328.6	1.0 0.0 1.0 48.1	65.4 -12.7 66.6 348.9	0.584 0.0 1.0 38.5	46.8 -28.4 54.8 328
350.7	337.5	335.7	1.0 0.0 0.875 49.5	66.1 -10.7 67.0 350.7	0.696 0.0 1.0 40.7	52.3 -24.0 57.6 335
354.2	345.0	342.8	1.0 0.0 0.75 49.3	64.5 -6.5 64.8 354.2	0.848 0.0 1.0 44.9	59.1 -18.2 61.9 342
361.9	352.5	349.9	1.0 0.0 0.625 48.0	61.8 2.1 61.8 361.9	1.0 0.0 0.964 48.6	65.6 -12.1 66.8 349
370.0	360.0	357.0	1.0 0.0 0.5 47.8	58.9 10.4 59.9 370.0	1.0 0.0 0.828 49.5	65.6 -9.0 66.2 352
378.9	367.5	364.1	1.0 0.0 0.375 47.4	56.8 19.5 60.0 378.9	1.0 0.0 0.659 48.4	62.7 -0.1 62.7 359
386.2	375.0	371.2	1.0 0.0 0.25 47.5	55.9 27.5 62.3 386.2	1.0 0.0 0.519 47.8	59.5 9.2 60.2 368
391.3	382.5	378.3	1.0 0.0 0.125 47.6	56.3 34.2 65.9 391.3	1.0 0.0 0.408 47.5	57.6 17.1 60.0 376
393.4	390.0	385.4	1.0 0.0 0.0 47.5	57.2 37.8 68.6 393.4	1.0 0.0 0.263 47.6	56.1 26.7 62.1 385



2-103830-L0 QS990-72 LAB*la0, YN=0%, XYZnw=3.9, 4.1, 4.1, 84.7, 89.6, 93.9, LAB*nw=23.9, 0.0, 0.0, 95.8, 0.0, 0.0

gráfico TUB-QS99; código de tono: $H^*_d=G50B_d$
círculo de tono, 48 pasos; $rgb-LabCh^*$ mesas

entrada: $rgb/cmyk \rightarrow rgb_{dd}$
salida: 3D-linealización a $cmyk^*_{dd}$

salida: Laser printer output; separation cmyn6*, D65, página 9/33

Data of Maximum color M in colorimetric system Laser printer output; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGCBM_s$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 33.5, 100.6, 155.5, 235.2, 290.8, 348.9$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

Six hue angles of the device colours <i>RYGBCM</i> _d ; <i>h</i> _{ab,d} = 33.3, 100.6, 155.5, 235.2, 290.8, 348.9; Six hue angles of the elementary colours <i>RYGBCM</i> _e ; <i>h</i> _{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
<i>h</i> _{ab,d}	<i>h</i> _{ab,s}	<i>h</i> _{ab,e}	<i>rgb</i> [*] _{dd361M}				<i>LAB</i> [*] _{dd361Mi} (<i>x</i> =LabCh)				<i>R</i> _d	<i>rgb</i> [*] _{ds361Mi}				<i>LAB</i> [*] _{ds361Mi} (<i>x</i> =LabCh)				<i>R</i> _s	<i>rgb</i> [*] _{dd361Mi}				<i>rgb</i> [*] _{de361Mi}				<i>LAB</i> [*] _{dex361Mi} (<i>x</i> =LabCh)				<i>R</i> _e	<i>rgb</i> [*] _{dd361Mi}				<i>rgb</i> [*] _{dd}				<i>rgb</i> [*] _{ds}				<i>rgb</i> [*] _{de}																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
33	30	25	1.0	0.0	0.0	0.0	47.5	57.2	37.8	68.6	33	1.0	0.0	0.133	47.7	56.3	32.5	65.0	30	1.0	0.0	0.0	0.0	1.0	0.0	0.242	47.6	56.1	26.7	62.1	25	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.

2-103930-L0 QS990-72 LAB*la0, YN=0%, XYZnw=3.9, 4.1, 4.1, 84.7, 89.6, 93.9, LAB*nw=23.9, 0.0, 0.0, 95.8, 0.0, 0.0

salida: Laser printer output; separation cmyn6*, D65, página 10/33

gráfico TUB-QS99; código de tono: $H^*_d=G50B_d$
círculo de tono, 48 pasos; $rgb-LabCh^*$ mesas

entrada: $rgb/cmyk \rightarrow rgb_{dd}$
salida: 3D-linealización a $cmyk^*_{dd}$

TUB matrícula: 20130201-QS99/QS99L0FP.PDF /.PS
aplicación para la medida salida de impresora láser, separación cmyn6* (CMYK)

TUB material: code=rha4ta

Data of Maximum color M in colorimetric system Laser printer output; separation cmy⁶*, D65 for input or output; Six hue angles of the 60 degree standard colours *RYGBM*_S: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$; Six hue angles of the device colours *PVCCBM*_S: $h_{ab} = -33.5, 100.6, 155.5, 225.2, 290.9, 348.9$; Six hue angles of the elementary colours *PVCCBM*_S: $h_{ab} = -25.5, 82.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}	$LAB^*_{ddx361M}(x=LabCh)$	$rgb^*_{ds361Mi}$	$LAB^*_{dsx361Mi}(x=LabCh)$	$rgb^*_{dd361Mi}$	$rgb^*_{de361Mi}$	$LAB^*_{dex361Mi}(x=LabCh)$	$rgb^*_{dd361Mi}$				
-268	75	75	1.0 0.75 0.0	82.9 -2.0 76.9	77.0 -268	R_d	1.0 0.521 0.0	71.3 18.0 67.1	69.5 75	1.0 0.75 0.0	1.0 0.532 0.0	71.6 17.3 67.5	69.7 75	1.0 0.75 0.0
92	76	76	1.0 0.766 0.0	83.5 -2.9 76.8	76.9 92		1.0 0.539 0.0	71.9 16.9 67.8	69.8 76	1.0 0.767 0.0	1.0 0.552 0.0	72.3 16.1 68.2	70.1 76	1.0 0.767 0.0
92	77	77	1.0 0.783 0.0	84.2 -3.9 76.7	76.8 92		1.0 0.557 0.0	72.5 15.8 68.4	70.2 77	1.0 0.783 0.0	1.0 0.572 0.0	73.0 14.9 69.0	70.5 77	1.0 0.783 0.0
93	78	78	1.0 0.8 0.0	84.8 -4.8 76.5	76.7 93		1.0 0.575 0.0	73.1 14.7 69.1	70.6 78	1.0 0.8 0.0	1.0 0.592 0.0	73.7 13.6 69.7	71.0 78	1.0 0.8 0.0
94	79	80	1.0 0.816 0.0	85.4 -5.8 76.4	76.6 94		1.0 0.593 0.0	73.8 13.5 69.7	71.0 79	1.0 0.817 0.0	1.0 0.612 0.0	74.4 12.3 70.3	71.4 80	1.0 0.817 0.0
95	80	81	1.0 0.833 0.0	86.0 -6.7 76.2	76.5 95		1.0 0.611 0.0	74.4 12.4 70.3	71.4 80	1.0 0.833 0.0	1.0 0.629 0.0	75.2 11.0 71.0	71.9 81	1.0 0.833 0.0
95	81	82	1.0 0.85 0.0	86.6 -7.6 76.0	76.4 95		1.0 0.627 0.0	75.1 11.2 70.9	71.8 81	1.0 0.85 0.0	1.0 0.642 0.0	76.0 9.7 71.8	72.4 82	1.0 0.85 0.0
96	82	83	1.0 0.866 0.0	87.3 -8.6 75.8	76.3 96		1.0 0.639 0.0	75.8 10.1 71.6	72.3 82	1.0 0.867 0.0	1.0 0.655 0.0	76.9 8.4 72.5	73.0 83	1.0 0.867 0.0
97	83	84	1.0 0.883 0.0	87.8 -9.4 76.3	76.9 97		1.0 0.651 0.0	76.6 8.9 72.2	72.8 83	1.0 0.883 0.0	1.0 0.668 0.0	77.7 7.0 73.2	73.5 84	1.0 0.883 0.0
97	84	85	1.0 0.9 0.0	88.4 -10.3 77.6	78.2 97		1.0 0.662 0.0	77.3 7.7 72.9	73.3 84	1.0 0.9 0.0	1.0 0.681 0.0	78.5 5.6 73.9	74.1 85	1.0 0.9 0.0
98	85	86	1.0 0.916 0.0	88.9 -11.2 78.8	79.6 98		1.0 0.674 0.0	78.1 6.4 73.5	73.8 85	1.0 0.917 0.0	1.0 0.694 0.0	79.4 4.2 74.5	74.6 86	1.0 0.917 0.0
98	86	87	1.0 0.933 0.0	89.4 -12.0 80.0	80.9 98		1.0 0.686 0.0	78.8 5.2 74.1	74.3 86	1.0 0.933 0.0	1.0 0.707 0.0	80.2 2.8 75.1	75.2 87	1.0 0.933 0.0
99	87	88	1.0 0.95 0.0	89.9 -12.9 81.1	82.2 99		1.0 0.697 0.0	79.6 3.9 74.7	74.8 87	1.0 0.95 0.0	1.0 0.72 0.0	81.1 1.4 75.7	75.7 88	1.0 0.95 0.0
99	88	90	1.0 0.966 0.0	90.5 -13.9 82.3	83.5 99		1.0 0.709 0.0	80.3 2.6 75.2	75.3 88	1.0 0.967 0.0	1.0 0.733 0.0	81.9 0.0 76.3	76.3 90	1.0 0.967 0.0
100	89	91	1.0 0.983 0.0	91.0 -14.8 83.5	84.8 100		1.0 0.721 0.0	81.1 1.3 75.8	75.8 89	1.0 0.983 0.0	1.0 0.746 0.0	82.7 -1.5 76.8	76.9 91	1.0 0.983 0.0
100	90	92	1.0 1.0 0.0	91.5 -15.8 84.6	86.1 100	Y_d	1.0 0.732 0.0	81.8 0.0 76.3	76.3 90	1.0 1.0 0.0	1.0 0.769 0.0	83.7 -3.0 76.8	76.9 92	1.0 1.0 0.0
100	91	93	0.983 1.0 0.0	91.7 -16.1 85.3	86.8 100		1.0 0.744 0.0	82.6 -1.2 76.7	76.8 91	0.983 1.0 0.0	1.0 0.796 0.0	84.7 -4.6 76.6	76.8 93	0.983 1.0 0.0
100	92	94	0.966 1.0 0.0	91.9 -16.4 85.9	87.5 100		1.0 0.761 0.0	83.4 -2.6 76.9	77.0 92	0.967 1.0 0.0	1.0 0.823 0.0	85.7 -6.1 76.4		

QS990-72	LAB*la0, YN=0%, XYZnw=3.9, 4.1, 4.1, 84.7, 89.6, 93.9, LAB*nw=23.9, 0.0, 0.0, 95.8, 0.0, 0.0
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gráfico TUB-QS99; código de tono: $H^*_d=G50B_d$
círculo de tono, 48 pasos; *rqb-LabCh**mesas

entrada: $rgb/cmyk \rightarrow rgb_{dd}$

salida: 3D-linealización a $cmyk^*_{dd}$

salida: Laser printer output; separation cmyk6*, D65, página 11/36

TUB matrícula: 20130201-QS99/QS9L0FP.PDF /.PS
+ aplicación para la medida salida de impresora láser, se

TUB material: code=rh4ta
cmy6* (CMYK)

Data of Maximum color M in colorimetric system Laser printer output; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGCBM_s$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 33.5, 100.6, 155.5, 235.2, 290.8, 348.9$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}	LAB^*_{d361Mi} (x=LabCh)	$rgb^*_{ds361Mi}$	$LAB^*_{dsx361Mi}$ (x=LabCh)	$rgb^*_{dd361Mi}$	$LAB^*_{de361Mi}$	$rgb^*_{dex361Mi}$ (x=LabCh)	$rgb^*_{dd361Mi}$	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
127	120	127	0.5	1.0	0.0	70.9	-41.7	54.8	68.9	127	0.5	1.0	0.0
128	121	128	0.483	1.0	0.0	70.4	-42.6	53.9	68.7	128	0.483	1.0	0.0
129	122	129	0.466	1.0	0.0	69.8	-43.4	53.0	68.5	129	0.466	1.0	0.0
130	123	130	0.45	1.0	0.0	69.2	-44.2	52.1	68.3	130	0.45	1.0	0.0
131	124	131	0.433	1.0	0.0	68.6	-45.0	51.2	68.2	131	0.433	1.0	0.0
132	125	133	0.416	1.0	0.0	68.0	-45.7	50.3	68.0	132	0.417	1.0	0.0
133	126	134	0.4	1.0	0.0	67.4	-46.5	49.4	67.8	133	0.4	1.0	0.0
134	127	135	0.383	1.0	0.0	66.8	-47.2	48.5	67.7	134	0.383	1.0	0.0
135	128	136	0.366	1.0	0.0	66.1	-48.2	47.5	67.7	135	0.367	1.0	0.0
136	129	137	0.35	1.0	0.0	65.4	-49.5	46.6	68.1	136	0.35	1.0	0.0
138	130	138	0.333	1.0	0.0	64.6	-50.9	45.7	68.4	138	0.333	1.0	0.0
139	131	140	0.316	1.0	0.0	63.8	-52.2	44.7	68.7	139	0.317	1.0	0.0
140	132	141	0.3	1.0	0.0	63.0	-53.5	43.7	69.1	140	0.3	1.0	0.0
142	133	142	0.283	1.0	0.0	62.2	-54.7	42.6	69.4	142	0.283	1.0	0.0
143	134	143	0.266	1.0	0.0	61.4	-56.0	41.5	69.7	143	0.267	1.0	0.0
144	135	144	0.25	1.0	0.0	60.6	-57.2	40.4	70.1	144	0.25	1.0	0.0
145	136	145	0.233	1.0	0.0	60.1	-57.9	39.6	70.2	145	0.233	1.0	0.0
146	137	147	0.216	1.0	0.0	59.6	-58.6	38.9	70.3	146	0.217	1.0	0.0
147	138	148	0.2	1.0	0.0	59.1	-59.3	38.1	70.5	147	0.2	1.0	0.0
148	139	149	0.183	1.0	0.0	58.7	-59.9	37.3	70.6	148	0.183	1.0	0.0
148	140	150	0.166	1.0	0.0	58.2	-60.6	36.4	70.7	148	0.167	1.0	0.0
149	141	151	0.15	1.0	0.0	57.7	-61.2	35.6	70.9	149	0.15	1.0	0.0
150	142	152	0.133	1.0	0.0	57.2	-61.9	34.8	71.0	150	0.133	1.0	0.0
151	143	154	0.116	1.0	0.0	56.8	-62.5	34.1	71.3	151	0.117	1.0	0.0
151	144	155	0.1	1.0	0.0	56.4	-63.3	33.7	71.7	151	0.1	1.0	0.0
152	145	156	0.083	1.0	0.0	56.1	-64.0	33.2	72.1	152	0.083	1.0	0.0
153	146	157	0.066	1.0	0.0	55.7	-64.7	32.8	72.6	153	0.067	1.0	0.0
153	147	158	0.049	1.0	0.0	55.4	-65.5	32.3	73.0	153	0.05	1.0	0.0
154	148	159	0.033	1.0	0.0	55.0	-66.2	31.8	73.5	154	0.033	1.0	0.0
154	149	161	0.016	1.0	0.0	54.7	-66.9	31.3	73.9	154	0.017	1.0	0.0
155	150	162	0.0	1.0	0.0	54.3	-67.6	30.8	74.3	155	0.0	1.0	0.0
156	151	163	0.0	1.0	0.016	54.2	-67.5	29.7	73.8	156	0.0	1.0	0.017
156	152	164	0.0	1.0	0.033	54.2	-67.4	28.6	73.2	156	0.0	1.0	0.033
157	153	164	0.0	1.0	0.05	54.1	-67.2	27.6	72.7	157	0.0	1.0	0.05
158	154	165	0.0	1.0	0.066	54.0	-67.1	26.6	72.1	158	0.0	1.0	0.067
159	155	166	0.0	1.0	0.083	53.9	-66.9	25.5	71.6	159	0.0	1.0	0.083
159	156	167	0.0	1.0	0.1	53.9	-66.7	24.5	71.1	159	0.0	1.0	0.1
160	157	168	0.0	1.0	0.116	53.8	-66.5	23.5	70.5	160	0.0	1.0	0.117
161	158	169	0.0	1.0	0.133	53.8	-66.2	22.3	69.9	161	0.0	1.0	0.133
162	159	170	0.0	1.0	0.15	53.8	-65.8	20.8	69.1	162	0.0	1.0	0.15
163	160	171	0.0	1.0	0.166	53.8	-65.5	19.4	68.3	163	0.0	1.0	0.167
164	161	172	0.0	1.0	0.183	53.8	-65.0	18.1	67.5	164	0.0	1.0	0.183
165	162	173	0.0	1.0	0.2	53.8	-64.6	16.7	66.7	165	0.0	1.0	0.2
166	163	174	0.0	1.0	0.216	53.7	-64.1	15.4	66.0	166	0.0	1.0	0.217
167	164	175	0.0	1.0	0.233	53.7	-63.6	14.1	65.2	167	0.0	1.0	0.233
168	165	175	0.0	1.0	0.25	53.7	-63.1	12.8	64.4	168	0.0	1.0	0.25

2-1031130-L0 QS990-72 LAB*la0, YN=0%, XYZnw=3.9, 4.1, 4.1, 84.7, 89.6, 93.9, LAB*nw=23.9, 0.0, 0.0, 95.8, 0.0, 0.0

salida: Laser printer output; separation cmyn6*, D65, página 12/33

gráfico TUB-QS99; código de tono: $H^*_d=G50B_d$
círculo de tono, 48 pasos; $rgb-LabCh^*$ mesas

entrada: $rgb/cmyk \rightarrow rgb_{dd}$
salida: 3D-linealización a $cmyk^*_{dd}$

TUB matrícula: 20130201-QS99/QS99L0FP.PDF /.PS
aplicación para la medida salida de impresora láser, separación cmyn6* (CMYK)

TUB material: code=rha4ta

Data of Maximum color M in colorimetric system Laser printer output; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours *RYGBM*: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;

Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 33.5, 100.6, 155.5, 235.2, 290.8, 348.9$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

	a_{ab}	$b_{ab,s}$	$\hat{a}_{ab,e}$	$r^{gb^*}dd361Mi$	$LAB^*dxd361Mi(x=LabCh)$	$r^{gb^*}ds361Mi$	$LAB^*dsx361Mi(x=LabCh)$	$r^{gb^*}dd361Mi$	$r^{gb^*}de361Mi$	$LAB^*dex361Mi(x=LabCh)$	$r^{gb^*}dd361Mi$	$r^{gb^*}dd361Mi$	$r^{gb^*}ds361Mi$	$r^{gb^*}ds361Mi$	$r^{gb^*}ds361Mi$																	
235	210	216	0.0	1.0	1.0	53.1	-30.0 -43.1 52.5	235	C _d	0.0	1.0	0.694	55.3	-41.6 -24.0 48.2	210	C _s	0.0	1.0	1.0	0.0	1.0	0.792	55.0	-38.6 -29.0 48.4	216	C _e	0.0	1.0	1.0			
235	211	217	0.0	0.983	1.0	53.1	-29.7 -43.3 52.5	235		0.0	1.0	0.707	55.3	-41.2 -24.7 48.1	211		0.0	0.983	1.0	0.0	1.0	0.807	54.9	-38.3 -29.8 48.6	217	0.0	0.983	1.0				
235	212	218	0.0	0.966	1.0	53.1	-29.4 -43.5 52.5	235		0.0	1.0	0.719	55.3	-40.7 -25.4 48.1	212	0.0	0.967	1.0	0.0	1.0	0.822	54.8	-37.9 -30.5 48.8	218	0.0	0.967	1.0					
236	213	219	0.0	0.95	1.0	53.1	-29.2 -43.7 52.6	236		0.0	1.0	0.732	55.3	-40.2 -26.1 48.0	213	0.0	0.95	1.0	0.0	1.0	0.837	54.7	-37.6 -31.2 49.0	219	0.0	0.95	1.0					
236	214	220	0.0	0.933	1.0	53.1	-28.9 -43.9 52.6	236		0.0	1.0	0.744	55.2	-39.7 -26.7 48.0	214	0.0	0.933	1.0	0.0	1.0	0.853	54.6	-37.2 -31.9 49.2	220	0.0	0.933	1.0					
237	215	221	0.0	0.916	1.0	53.1	-28.6 -44.2 52.6	237		0.0	1.0	0.759	55.2	-39.3 -27.5 48.1	215	0.0	0.917	1.0	0.0	1.0	0.868	54.5	-36.9 -32.6 49.4	221	0.0	0.917	1.0					
237	216	222	0.0	0.9	1.0	53.1	-28.3 -44.4 52.7	237		0.0	1.0	0.775	55.1	-38.9 -28.3 48.3	216	0.0	0.9	1.0	0.0	1.0	0.88	54.4	-36.5 -33.4 49.6	222	0.0	0.9	1.0					
237	217	223	0.0	0.883	1.0	53.1	-28.1 -44.6 52.7	237		0.0	1.0	0.792	55.0	-38.6 -29.1 48.5	217	0.0	0.883	1.0	0.0	1.0	0.888	54.3	-36.1 -34.1 49.8	223	0.0	0.883	1.0					
238	218	224	0.0	0.866	1.0	53.0	-27.8 -44.9 52.8	238		0.0	1.0	0.809	54.9	-38.2 -29.9 48.7	218	0.0	0.867	1.0	0.0	1.0	0.897	54.2	-35.7 -34.8 50.0	224	0.0	0.867	1.0					
238	219	225	0.0	0.85	1.0	53.0	-27.5 -45.3 53.0	238		0.0	1.0	0.825	54.8	-37.9 -30.6 48.9	219	0.0	0.85	1.0	0.0	1.0	0.906	54.1	-35.3 -35.5 50.2	225	0.0	0.85	1.0					
239	220	226	0.0	0.833	1.0	53.0	-27.3 -45.6 53.2	239		0.0	1.0	0.842	54.7	-37.5 -31.4 49.1	220	0.0	0.833	1.0	0.0	1.0	0.914	54.1	-34.9 -36.2 50.4	226	0.0	0.833	1.0					
239	221	227	0.0	0.816	1.0	53.0	-27.0 -46.0 53.4	239		0.0	1.0	0.859	54.6	-37.1 -32.2 49.3	221	0.0	0.817	1.0	0.0	1.0	0.923	54.0	-34.4 -36.9 50.6	227	0.0	0.817	1.0					
240	222	227	0.0	0.8	1.0	52.9	-26.7 -46.4 53.6	240		0.0	1.0	0.875	54.5	-36.7 -33.0 49.5	222	0.0	0.8	1.0	0.0	1.0	0.932	53.9	-34.0 -37.6 50.8	227	0.0	0.8	1.0					
240	223	228	0.0	0.783	1.0	52.9	-26.5 -46.8 53.8	240		0.0	1.0	0.885	54.4	-36.2 -33.8 49																		

2-1031330-L0	QS990-72	LAB*la0, YN=0%, XYZnw=3.9, 4.1, 4.1, 84.7, 89.6, 93.9, LAB*nw=23.9, 0.0, 0.0, 95.8, 0.0, 0.0
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salida: Laser printer output; separation cmyn6*, D65, página 14/38

gráfico TUB-QS99; código de tono: $H^*_d=G50B_d$
círculo de tono, 48 pasos; *rgb-LabCh**mesas

entrada: $rgb/cmyk \rightarrow rgb_{dd}$
salida: 3D-linealización a $cmyk^*_{dd}$

~~2-1031330-F0~~

TUB matrícula: 20130201-QS99/QS99L0FP.PDF /.PS
 aplicación para la medida salida de impresora láser, se

TUB material: code=rha4ta
cmy6* (CMYK)

vea archivos semejantes: <http://130.149.60.45/~farbmeterik/QS99/QS99.HTM>
información técnica: <http://www.ps.barn.de> o <http://130.149.60.45/~farbmeterik>

Data of Maximum color M in colorimetric system Laser printer output; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM _s : $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$; Six hue angles of the device colours RYGBM _d : $h_{ab,d} = 33.5, 100.6, 155.5, 235.2, 290.8, 348.9$; Six hue angles of the elementary colours RYGBM _e : $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$													
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^* dd361M	LAB* d361Mi (x=LabCh)	rgb^* ds361Mi	LAB* dsx361Mi (x=LabCh)	rgb^* dd361Mi	rgb^* de361Mi	LAB* dex361Mi (x=LabCh)	rgb^* dd361Mi	rgb^* de361Mi		
272	255	258	0.0	0.25 1.0	36.8	2.2	-48.5 48.6	272	0.0	0.25 1.0	36.8	2.2	-48.5 48.6
273	256	258	0.0	0.233 1.0	36.6	3.2	-48.3 48.4	273	0.0	0.233 1.0	36.6	3.2	-48.3 48.4
274	257	259	0.0	0.216 1.0	36.4	4.1	-48.0 48.2	274	0.0	0.216 1.0	36.4	4.1	-48.0 48.2
276	258	260	0.0	0.2 1.0	36.1	5.1	-47.8 48.1	276	0.0	0.2 1.0	36.1	5.1	-47.8 48.1
277	259	261	0.0	0.183 1.0	35.9	6.1	-47.5 47.9	277	0.0	0.183 1.0	35.9	6.1	-47.5 47.9
278	260	262	0.0	0.166 1.0	35.6	7.0	-47.2 47.7	278	0.0	0.166 1.0	35.6	7.0	-47.2 47.7
279	261	263	0.0	0.15 1.0	35.4	8.0	-46.9 47.5	279	0.0	0.15 1.0	35.4	8.0	-46.9 47.5
280	262	264	0.0	0.133 1.0	35.2	8.9	-46.5 47.4	280	0.0	0.133 1.0	35.2	8.9	-46.5 47.4
282	263	265	0.0	0.116 1.0	34.9	9.9	-46.3 47.3	282	0.0	0.116 1.0	34.9	9.9	-46.3 47.3
283	264	266	0.0	0.1 1.0	34.5	10.9	-46.1 47.4	283	0.0	0.1 1.0	34.5	10.9	-46.1 47.4
284	265	267	0.0	0.083 1.0	34.2	11.9	-45.9 47.4	284	0.0	0.083 1.0	34.2	11.9	-45.9 47.4
285	266	268	0.0	0.066 1.0	33.9	12.9	-45.7 47.5	285	0.0	0.066 1.0	33.9	12.9	-45.7 47.5
287	267	269	0.0	0.049 1.0	33.5	13.9	-45.4 47.5	287	0.0	0.049 1.0	33.5	13.9	-45.4 47.5
288	268	269	0.0	0.033 1.0	33.2	14.9	-45.2 47.6	288	0.0	0.033 1.0	33.2	14.9	-45.2 47.6
289	269	270	0.0	0.016 1.0	32.9	15.9	-44.9 47.6	289	0.0	0.016 1.0	32.9	15.9	-44.9 47.6
290	270	271	0.0	0.0 1.0	32.5	16.9	-44.6 47.7	290	0.0	0.0 1.0	32.5	16.9	-44.6 47.7
291	271	272	0.016 0.0	1.0	32.4	17.8	-44.3 47.8	291	0.016 0.0	1.0	32.4	17.8	-44.3 47.8
293	272	273	0.033 0.0	1.0	32.3	18.7	-44.0 47.9	293	0.033 0.0	1.0	32.3	18.7	-44.0 47.9
294	273	274	0.05 0.0	1.0	32.1	19.6	-43.7 47.9	294	0.05 0.0	1.0	32.1	19.6	-43.7 47.9
295	274	275	0.066 0.0	1.0	32.0	20.5	-43.4 48.0	295	0.066 0.0	1.0	32.0	20.5	-43.4 48.0
296	275	276	0.083 0.0	1.0	31.9	21.4	-43.1 48.1	296	0.083 0.0	1.0	31.9	21.4	-43.1 48.1
297	276	277	0.1 0.0	1.0	31.8	22.3	-42.7 48.2	297	0.1 0.0	1.0	31.8	22.3	-42.7 48.2
298	277	278	0.116 0.0	1.0	31.6	23.1	-42.4 48.3	298	0.116 0.0	1.0	31.6	23.1	-42.4 48.3
299	278	279	0.133 0.0	1.0	31.5	24.1	-42.0 48.4	299	0.133 0.0	1.0	31.5	24.1	-42.0 48.4
300	279	280	0.15 0.0	1.0	31.4	25.0	-41.7 48.6	300	0.15 0.0	1.0	31.4	25.0	-41.7 48.6
302	280	281	0.166 0.0	1.0	31.4	25.9	-41.4 48.8	302	0.166 0.0	1.0	31.4	25.9	-41.4 48.8
303	281	282	0.183 0.0	1.0	31.3	26.8	-41.0 49.0	303	0.183 0.0	1.0	31.3	26.8	-41.0 49.0
304	282	283	0.2 0.0	1.0	31.2	27.8	-40.6 49.2	304	0.2 0.0	1.0	31.2	27.8	-40.6 49.2
305	283	284	0.216 0.0	1.0	31.1	28.7	-40.2 49.4	305	0.216 0.0	1.0	31.1	28.7	-40.2 49.4
306	284	285	0.233 0.0	1.0	31.1	29.6	-39.8 49.6	306	0.233 0.0	1.0	31.1	29.6	-39.8 49.6
307	285	286	0.25 0.0	1.0	31.0	30.5	-39.3 49.8	307	0.25 0.0	1.0	31.0	30.5	-39.3 49.8
309	286	287	0.266 0.0	1.0	31.4	31.6	-38.8 50.1	309	0.266 0.0	1.0	31.4	31.6	-38.8 50.1
310	287	288	0.283 0.0	1.0	31.8	32.6	-38.3 50.3	310	0.283 0.0	1.0	31.8	32.6	-38.3 50.3
311	288	288	0.3 0.0	1.0	32.3	33.6	-37.8 50.6	311	0.3 0.0	1.0	32.3	33.6	-37.8 50.6
312	289	289	0.316 0.0	1.0	32.7	34.7	-37.2 50.9	312	0.316 0.0	1.0	32.7	34.7	-37.2 50.9
314	290	290	0.333 0.0	1.0	33.1	35.7	-36.6 51.2	314	0.333 0.0	1.0	33.1	35.7	-36.6 51.2
315	291	291	0.35 0.0	1.0	33.6	36.7	-36.0 51.4	315	0.35 0.0	1.0	33.6	36.7	-36.0 51.4
316	292	292	0.366 0.0	1.0	34.0	37.7	-35.3 51.7	316	0.366 0.0	1.0	34.0	37.7	-35.3 51.7
317	293	293	0.383 0.0	1.0	34.4	38.5	-34.7 51.9	317	0.383 0.0	1.0	34.4	38.5	-34.7 51.9
318	294	294	0.4 0.0	1.0	34.8	39.2	-34.2 52.1	318	0.4 0.0	1.0	34.8	39.2	-34.2 52.1
319	295	295	0.416 0.0	1.0	35.2	39.9	-33.7 52.2	319	0.416 0.0	1.0	35.2	39.9	-33.7 52.2
320	296	296	0.433 0.0	1.0	35.6	40.5	-33.1 52.4	320	0.433 0.0	1.0	35.6	40.5	-33.1 52.4
321	297	297	0.45 0.0	1.0	36.0	41.2	-32.6 52.5	321	0.45 0.0	1.0	36.0	41.2	-32.6 52.5
322	298	298	0.466 0.0	1.0	36.4	41.8	-32.0 52.7	322	0.466 0.0	1.0	36.4	41.8	-32.0 52.7
323	299	299	0.483 0.0	1.0	36.8	42.5	-31.4 52.9	323	0.483 0.0	1.0	36.8	42.5	-31.4 52.9
324	300	300	0.5 0.0	1.0	37.2	43.1	-30.8 53.0	324	0.5 0.0	1.0	37.2	43.1	-30.8 53.0

2-1031430-L0 QS990-72 LAB*la0, YN=0%, XYZnw=3.9, 4.1, 4.1, 84.7, 89.6, 93.9, LAB*nw=23.9, 0.0, 0.0, 95.8, 0.0, 0.0

salida: Laser printer output; separation cmyn6*, D65, página 15/33

gráfico TUB-QS99; código de tono: $H^*_d = G50B_d$
círculo de tono, 48 pasos; $rgb-LabCh^*$ mesas

entrada: $rgb/cmyk \rightarrow rgb_{dd}$
salida: 3D-linealización a $cmyk^*_{dd}$

TUB matrícula: 20130201-QS99/QS99L0FP.PDF /.PS
aplicación para la medida salida de impresora láser, separación cmyn6* (CMYK)

TUB material: code=rha4ta

Data of Maximum color M in colorimetric system Laser printer output; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM _s : h _{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the device colours RYGBM _d : h _{ab,d} = 33.5, 100.6, 155.5, 235.2, 290.8, 348.9; Six hue angles of the elementary colours RYGBM _e : h _{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6																															
h _{ab,d} h _{ab,s} h _{ab,e}			rgb* _{dd361M}			LAB* _{dd361Mi} (x=LabCh)			rgb* _{ds361Mi}			LAB* _{ds361Mi} (x=LabCh)			rgb* _{dd361Mi}			LAB* _{de361Mi}			rgb* _{de361Mi}			LAB* _{de361Mi} (x=LabCh)			rgb* _{dd361Mi}				
324	300	300	0.5	0.0	1.0	37.2	43.1	-30.8 53.0	324	0.136	0.0	1.0	31.6	24.3	-41.9 48.5	300	0.5	0.0	1.0	0.139	0.0	1.0	31.5	24.4	-41.9 48.6	300	0.5	0.0	1.0		
325	301	301	0.516	0.0	1.0	37.4	43.8	-30.4 53.4	325	0.151	0.0	1.0	31.5	25.1	-41.6 48.7	301	0.517	0.0	1.0	0.153	0.0	1.0	31.5	25.2	-41.6 48.7	301	0.517	0.0	1.0		
326	302	302	0.533	0.0	1.0	37.7	44.5	-29.9 53.7	326	0.165	0.0	1.0	31.4	25.9	-41.3 48.9	302	0.533	0.0	1.0	0.166	0.0	1.0	31.4	26.0	-41.3 48.9	302	0.533	0.0	1.0		
326	303	303	0.55	0.0	1.0	37.9	45.3	-29.5 54.0	326	0.18	0.0	1.0	31.4	26.7	-41.0 49.0	303	0.55	0.0	1.0	0.18	0.0	1.0	31.4	26.7	-41.0 49.0	303	0.55	0.0	1.0		
327	304	303	0.566	0.0	1.0	38.2	46.0	-29.0 54.4	327	0.194	0.0	1.0	31.3	27.5	-40.7 49.2	304	0.567	0.0	1.0	0.194	0.0	1.0	31.3	27.5	-40.7 49.2	303	0.567	0.0	1.0		
328	305	304	0.583	0.0	1.0	38.4	46.7	-28.5 54.7	328	0.209	0.0	1.0	31.2	28.3	-40.3 49.4	305	0.583	0.0	1.0	0.208	0.0	1.0	31.2	28.3	-40.4 49.4	304	0.583	0.0	1.0		
329	306	305	0.6	0.0	1.0	38.7	47.4	-28.0 55.1	329	0.224	0.0	1.0	31.1	29.1	-40.0 49.5	306	0.6	0.0	1.0	0.222	0.0	1.0	31.2	29.0	-40.0 49.5	305	0.6	0.0	1.0		
330	307	306	0.616	0.0	1.0	38.9	48.1	-27.5 55.4	330	0.238	0.0	1.0	31.1	29.9	-39.6 49.7	307	0.617	0.0	1.0	0.235	0.0	1.0	31.1	29.8	-39.7 49.7	306	0.617	0.0	1.0		
331	308	307	0.633	0.0	1.0	39.2	48.9	-26.9 55.8	331	0.252	0.0	1.0	31.1	30.7	-39.2 49.9	308	0.633	0.0	1.0	0.249	0.0	1.0	31.0	30.5	-39.3 49.8	307	0.633	0.0	1.0		
332	309	308	0.65	0.0	1.0	39.6	49.8	-26.2 56.3	332	0.265	0.0	1.0	31.4	31.5	-38.8 50.1	309	0.65	0.0	1.0	0.261	0.0	1.0	31.3	31.3	-39.0 50.0	308	0.65	0.0	1.0		
333	310	309	0.666	0.0	1.0	40.0	50.7	-25.4 56.8	333	0.278	0.0	1.0	31.8	32.3	-38.4 50.3	310	0.667	0.0	1.0	0.274	0.0	1.0	31.6	32.1	-38.6 50.2	309	0.667	0.0	1.0		
334	311	310	0.683	0.0	1.0	40.4	51.6	-24.7 57.2	334	0.291	0.0	1.0	32.1	33.1	-38.0 50.5	311	0.683	0.0	1.0	0.286	0.0	1.0	32.0	32.8	-38.2 50.4	310	0.683	0.0	1.0		
335	312	311	0.7	0.0	1.0	40.7	52.5	-23.9 57.7	335	0.304	0.0	1.0	32.4	33.9	-37.6 50.7	312	0.7	0.0	1.0	0.298	0.0	1.0	32.3	33.6	-37.8 50.6	311	0.7	0.0	1.0		
336	313	312	0.716	0.0	1.0	41.1	53.4	-23.1 58.2	336	0.317	0.0	1.0	32.8	34.7	-37.2 50.9	313	0.717	0.0	1.0	0.31	0.0	1.0	32.6	34.3	-37.4 50.8	312	0.717	0.0	1.0		
337	314	313	0.733	0.0	1.0	41.5	54.3	-22.3 58.7	337	0.33	0.0	1.0	33.1	35.5	-36.7 51.1	314	0.733	0.0	1.0	0.323	0.0	1.0	32.9	35.1	-37.0 51.0	313	0.733	0.0	1.0		
338	315	314	0.75	0.0	1.0	41.8	55.1	-21.4 59.1	338	0.343	0.0	1.0	33.4	36.3	-36.2 51.4	315	0.75	0.0	1.0	0.335	0.0	1.0	33.2	35.8	-36.5 51.2	314	0.75	0.0	1.0		
339	316	315	0.766	0.0	1.0	42.4	55.8	-20.9 59.6	339	0.356	0.0	1.0	33.8	37.1	-35.7 51.6	316	0.767	0.0	1.0	0.347	0.0	1.0	33.5	36.6	-36.0 51.4	315	0.767	0.0	1.0		
340	317	316	0.783	0.0	1.0	42.9	56.5	-20.4 60.1	340	0.368	0.0	1.0	34.1	37.9	-35.2 51.8	317	0.783	0.0	1.0	0.359	0.0	1.0	33.9	37.3	-35.6 51.6	316	0.783	0.0	1.0		
340	318	317	0.8	0.0	1.0	43.4	57.2	-19.8 60.5	340	0.384	0.0	1.0	34.5	38.6	-34.7 52.0	318	0.8	0.0	1.0	0.371	0.0	1.0	34.2	38.0	-35.1 51.8	317	0.8	0.0	1.0		
341	319	318	0.816	0.0	1.0	43.9	57.8	-19.3 61.0	341	0.402	0.0	1.0	34.9	39.3	-34.1 52.1	319	0.817	0.0	1.0	0.387	0.0	1.0	34.6	38.8	-34.6 52.0	318	0.817	0.0	1.0		
342	320	319	0.833	0.0	1.0	44.4	58.5	-18.7 61.4	342	0.42	0.0	1.0	35.3	40.1	-33.5 52.3	320	0.833	0.0	1.0	0.404	0.0	1.0	35.0	39.4	-34.0 52.2	319	0.833	0.0	1.0		
342	321	320	0.85	0.0	1.0	44.9	59.1	-18.2 61.9	342	0.438	0.0	1.0	35.8	40.8	-32.9 52.5	321	0.85	0.0	1.0	0.421	0.0	1.0	35.4	40.1	-33.5 52.3	320	0.85	0.0	1.0		
343	322	321	0.866	0.0	1.0	45.4	59.8	-17.6 62.3	343	0.456	0.0	1.0	36.2	41.5	-32.3 52.7	322	0.867	0.0	1.0	0.439	0.0	1.0	35.8	40.8	-32.9 52.5	321	0.867	0.0	1.0		
344	323	321	0.883	0.0	1.0	45.8	60.5	-17.0 62.8	344	0.474	0.0	1.0	36.6	42.2	-31.7 52.8	323	0.883	0.0	1.0	0.456	0.0	1.0	36.2	41.5	-32.3 52.6	321	0.883	0.0	1.0		
344	324	322	0.9	0.0	1.0	46.1	61.2	-16.4 63.4	344	0.492	0.0	1.0	37.1	42.9	-31.1 53.0	324	0.9	0.0	1.0	0.473	0.0	1.0	36.6	42.1	-31.7 52.8	322	0.9	0.0	1.0		
345	325	323	0.916	0.0	1.0	46.5	61.9	-15.9 63.9	345	0.512	0.0	1.0	37.4	43.7	-30.5 53.3	325	0.917	0.0	1.0	0.49	0.0	1.0	37.0	42.8	-31.1 53.0	323	0.917	0.0	1.0		
346	326	324	0.933	0.0	1.0	46.8	62.6	-15.3 64.5	346	0.532	0.0	1.0	37.7	44.5	-29.9 53.7	326	0.933	0.0	1.0	0.508	0.0	1.0	37.4	43.5	-30.6 53.2	324	0.933	0.0	1.0		
346	327	325	0.95	0.0	1.0	47.1	63.3	-14.6 65.0	346	0.552	0.0	1.0	38.0	45.4	-29.4 54.1	327	0.95	0.0	1.0	0.527	0.0	1.0	37.6	44.3	-30.1 53.6	325	0.95	0.0	1.0		
347	328	326	0.966	0.0	1.0	47.5	64.0	-14.0 65.5	347	0.572	0.0	1.0	38.3	46.2	-28.8 54.5	328	0.967	0.0	1.0	0.546	0.0	1.0	37.9	45.1	-29.5 54.0	326	0.967	0.0	1.0		
348	329	327	0.983	0.0	1.0	47.8	64.7	-13.4 66.1	348	0.592	0.0	1.0	38.6	47.1	-28.2 54.9	329	0.983	0.0	1.0	0.565	0.0	1.0	38.2	46.0	-29.0 54.4	327	0.983	0.0	1.0		
348	330	328	1.0	0.0	1.0	48.1	65.4	-12.7 66.6	348	0.612	0.0	1.0	38.9	47.9	-27.6 55.4	330	1.0	0.0	1.0	0.584	0.0	1.0	38.5	46.8	-28.4 54.8	328	1.0	0.0	1.0		
349	331	329	1.0	0.0	0.983	48.3	65.5	-12.5 66.7	349	0.631	0.0	1.0	39.2	48.8	-26.9 55.8	331	1.0	0.0	0.983	0.603	0.0	1.0	38.8	47.6	-27.9 55.2	329	1.0	0.0	0.983		
349	332	330	1.0	0.0	0.966	48.5	65.6	-12.2 66.7	349	0.646	0.0	1.0	39.6	49.6	-26.3 56.2	332	1.0	0.0	0.967	0.623	0.0	1.0	39.1	48.4	-27.3 55.6	330	1.0	0.0	0.967		
349	333	331	1.0	0.0	0.95	48.7	65.7	-11.9 66.8	349	0.662	0.0	1.0	39.9	50.5	-25.6 56.7	333	1.0	0.0	0.95	0.638	0.0	1.0	39.4	49.2	-26.7 56.0	331	1.0	0.0	0.95		
349	334	332	1.0	0.0	0.933	48.9	65.8	-11.7 66.8	349	0.677	0.0	1.0	40.3	51.3	-24.9 57.1	334	1.0	0.0	0.933	0.652	0.0	1.0	39.7	50.0	-26.0 56.4	332	1.0	0.0	0.933		
350	335	333	1.0	0.0	0.916	49.0	65.9	-11.4 66.9	350	0.692	0.0	1.0	40.6	52.1	-24.2 57.5	335	1.0	0.0	0.917	0.667	0.0	1.0	40.0	50.8	-25.4 56.8	333	1.0	0.0	0.917		
350	336	334	1.0	0.0	0.9	49.2	66.0	-11.1 66.9	350	0.708	0.0	1.0	41.0	53.0	-23.5 58.0	336	1.0	0.0	0.9	0.681	0.0	1.0	40.4	51.6	-24.7 57.2	334	1.0	0.0	0.9		
350	337	335	1.0	0.0	0.883	49.4	66.1	-10.9 67.0	350	0.723	0.0	1.0	41.3	53.8	-22.7 58.4	337	1.0	0.0	0.883	0.696	0.0	1.0	40.7	52.3	-24.0 57.6	335	1.0	0.0	0.883		
350	338	336	1.0	0.0	0.866	49.5	66.0	-10.4 66.9	350	0.738	0.0	1.0	41.6	54.6	-22.0 58.9	338	1.0	0.0	0.867	0.711	0.0	1.0	41.0	53.1	-23.3 58.1	336	1.0	0.0	0.867		
351	339	337	1.0	0.0	0.85	49.4	65.8	-9.9 66.6	351	0.756	0.0	1.0	42.1	55.4	-21.2 59.4	339	1.0	0.0	0.85	0.725	0.0	1.0	41								

Data of Maximum color M in colorimetric system Laser printer output; separation cmyn*₆, D65 for input or output; Six hue angles of the 60 degree standard colours *RYGCBM*_s; $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}	LAB^*_{d361Mi} (x=LabCh)	$rgb^*_{ds361Mi}$	$LAB^*_{ds361Mi}$ (x=LabCh)	$rgb^*_{dd361Mi}$	$rgb^*_{de361Mi}$	$LAB^*_{dex361Mi}$ (x=LabCh)	$rgb^*_{dd361Mi}$	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}																			
354	345	342	1.0	0.0	0.75	49.3	64.5	-6.5	64.8	354	0.902	0.0	1.0	46.2	61.3	-16.3	63.5	345	1.0	0.0	0.75	0.848	0.0	1.0	44.9	59.1	-18.2	61.9	342	1.0	0.0	0.75
355	346	343	1.0	0.0	0.733	49.1	64.2	-5.3	64.4	355	0.926	0.0	1.0	46.7	62.4	-15.5	64.3	346	1.0	0.0	0.733	0.871	0.0	1.0	45.6	60.0	-17.4	62.5	343	1.0	0.0	0.733
356	347	344	1.0	0.0	0.716	48.9	63.9	-4.1	64.0	356	0.951	0.0	1.0	47.2	63.4	-14.5	65.1	347	1.0	0.0	0.717	0.895	0.0	1.0	46.1	61.0	-16.6	63.2	344	1.0	0.0	0.717
357	348	345	1.0	0.0	0.7	48.7	63.5	-2.9	63.6	357	0.976	0.0	1.0	47.7	64.5	-13.6	65.9	348	1.0	0.0	0.7	0.918	0.0	1.0	46.5	62.0	-15.7	64.0	345	1.0	0.0	0.7
358	349	346	1.0	0.0	0.683	48.6	63.2	-1.8	63.2	358	1.0	0.0	0.996	48.2	65.4	-12.6	66.7	349	1.0	0.0	0.683	0.942	0.0	1.0	47.0	63.0	-14.9	64.8	346	1.0	0.0	0.683
359	350	347	1.0	0.0	0.666	48.4	62.8	-0.6	62.8	359	1.0	0.0	0.927	49.0	65.9	-11.5	66.9	350	1.0	0.0	0.667	0.966	0.0	1.0	47.5	64.0	-14.0	65.5	347	1.0	0.0	0.667
360	351	348	1.0	0.0	0.65	48.2	62.4	0.4	62.4	360	1.0	0.0	0.866	49.5	66.1	-10.4	66.9	351	1.0	0.0	0.65	0.989	0.0	1.0	48.0	65.0	-13.1	66.3	348	1.0	0.0	0.65
361	352	349	1.0	0.0	0.633	48.0	62.0	1.5	62.0	361	1.0	0.0	0.83	49.5	65.6	-9.1	66.3	352	1.0	0.0	0.633	1.0	0.0	0.964	48.6	65.6	-12.1	66.8	349	1.0	0.0	0.633
362	353	350	1.0	0.0	0.616	47.9	61.6	2.7	61.7	362	1.0	0.0	0.794	49.4	65.2	-7.9	65.6	353	1.0	0.0	0.617	1.0	0.0	0.899	49.3	66.0	-11.1	67.0	350	1.0	0.0	0.617
363	354	351	1.0	0.0	0.6	47.9	61.3	3.8	61.4	363	1.0	0.0	0.757	49.3	64.7	-6.7	65.0	354	1.0	0.0	0.6	1.0	0.0	0.853	49.5	65.9	-9.9	66.7	351	1.0	0.0	0.6
364	355	352	1.0	0.0	0.583	47.9	60.9	4.9	61.1	364	1.0	0.0	0.737	49.2	64.3	-5.5	64.6	355	1.0	0.0	0.583	1.0	0.0	0.819	49.4	65.5	-8.7	66.1	352	1.0	0.0	0.583
365	356	353	1.0	0.0	0.566	47.9	60.6	6.0	60.9	365	1.0	0.0	0.721	49.0	64.0	-4.4	64.2	356	1.0	0.0	0.567	1.0	0.0	0.785	49.4	65.0	-7.6	65.5	353	1.0	0.0	0.567
366	357	354	1.0	0.0	0.55	47.8	60.2	7.1	60.6	366	1.0	0.0	0.705	48.9	63.7	-3.2	63.8	357	1.0	0.0	0.55	1.0	0.0	0.75	49.3	64.6	-6.5	64.9	354	1.0		

TUB matrícula: 20130201-QS99/QS99L0FP.PDF / PS
+ aplicación para la medida salida de impresora láser, se

TUB material: code=rh4ta
cmykn6* (CMYK)

2-1031630-L0	QS990-72	LAB*la0, YN=0%, XYZnw=3.9, 4.1, 4.1, 84.7, 89.6, 93.9, LAB*nw=23.9, 0.0, 0.0, 95.8, 0.0, 0.0
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salida: Laser printer output; separation cmy6*, D65, página 17/36

gráfico TUB-QS99; código de tono: $H^*_d=G50B_d$
círculo de tono, 48 pasos; *rgb-LabCh**mesas

entrada: $rgb/cmyk \rightarrow rgb_{dd}$
salida: 3D-linealización a $cmyk^*_{dd}$

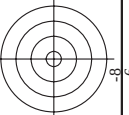


TUB material: code=rha4ta
cmyn6* (CMYK)

entrada: *rgb/cmyk* -> *rgb*_{dd}
salida: 3D-linealización a *cmyk*^{*}_{dd}

2-1031730-F0

n/j	HIC ^{Fold}	rgb_Fold	lcr_Fold	hsa_Fold	rgb ^{Fold}	LabChI ^{Fold}	cmvyr ^{exp,Fold}	1.0	0.974	0.005	hsax ^{Fold}	rgb ^{Fold}	LabChI ^{Mdd}	378	686	33.4
0/648	R00Y_100_100d	1.0	0.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4	389	1.0	0.0	0.0	47.5	57.2
1/657	R13Y_100_100d	1.0	0.125	0.0	0.0	51.6	54.5	48.4	72.9	41.6	36	1.0	0.116	0.0	51.6	54.5
2/666	R25Y_100_100d	1.0	0.25	0.0	0.0	57.4	43.5	69.7	51.4	60.1	42	1.0	0.233	0.0	57.4	43.5
3/675	R38Y_100_100d	1.0	0.375	0.0	0.0	64.2	30.6	60.1	67.5	63.0	51	1.0	0.366	0.0	64.2	30.6
4/684	R50Y_100_100d	1.0	0.5	0.0	0.0	70.5	19.2	66.2	69.0	73.8	59	1.0	0.5	0.0	70.5	19.2
5/693	R63Y_100_100d	1.0	0.625	0.0	0.0	75.4	10.6	71.2	72.0	81.5	68	1.0	0.633	0.0	75.4	10.6
6/702	R75Y_100_100d	1.0	0.75	0.0	0.0	83.5	-2.9	76.3	76.9	92.2	77	1.0	0.766	0.0	83.5	-2.9
7/711	R88Y_100_100d	1.0	0.875	0.0	0.0	87.8	-9.4	76.3	76.9	97.0	83	1.0	0.883	0.0	87.8	-9.4
8/720	Y00G_100_100d	1.0	0.0	0.0	0.0	91.5	-15.8	84.6	86.1	100.5	89	1.0	1.0	0.0	91.5	-15.8
9/730	Y13G_100_100d	0.875	1.0	0.0	0.0	92.7	-18.0	89.1	89.9	101.4	96	0.883	1.0	0.0	92.7	-18.0
10/739	Y25G_100_100d	0.75	1.0	0.0	0.0	90.4	-20.9	86.5	89.0	103.6	102	0.766	1.0	0.0	90.4	-20.9
11/747	Y38G_100_100d	0.625	1.0	0.0	0.0	80.5	-31.2	78.9	81.4	112.3	111	0.633	1.0	0.0	80.5	-31.2
12/756	Y50G_100_100d	0.5	1.0	0.0	0.0	70.9	-41.7	74.8	76.9	127.3	119	0.5	1.0	0.0	70.9	-41.7
13/765	Y63G_100_100d	0.375	1.0	0.0	0.0	66.1	-52.0	70.2	72.3	138.3	128	0.366	1.0	0.0	66.1	-52.0
14/774	Y75G_100_100d	0.25	1.0	0.0	0.0	68.1	-57.9	70.6	72.3	149.3	127	0.233	1.0	0.0	68.1	-57.9
15/783	Y88G_100_100d	0.125	1.0	0.0	0.0	56.8	-62.5	34.1	71.3	151.3	143	0.116	1.0	0.0	56.8	-62.5
16/792	G00C_100_100d	0.0	1.0	0.0	0.0	54.3	-67.6	30.8	74.3	155.5	149	1.0	0.0	0.0	54.3	-67.6
17/801	G13C_100_100d	0.0	1.0	0.125	0.0	53.8	-66.5	23.5	70.5	160.5	156	0.0	1.0	0.116	53.8	-66.5
18/810	G25C_100_100d	0.0	1.0	0.25	0.0	53.7	-63.6	14.1	65.2	167.4	162	0.0	1.0	0.233	53.7	-63.6
19/819	G38C_100_100d	0.0	1.0	0.375	0.0	54.7	-57.3	8.9	57.3	179.1	171	0.0	1.0	0.366	54.7	-57.3
20/828	G50C_100_100d	0.0	1.0	0.5	1.0	55.0	-51.4	-8.9	52.2	189.8	180	0.0	1.0	0.5	55.0	-51.4
21/837	G63C_100_100d	0.0	1.0	0.625	1.0	55.3	-43.8	-20.5	48.4	205.1	188	0.0	1.0	0.633	55.3	-43.8
22/846	G75C_100_100d	0.0	1.0	0.75	1.0	55.1	-39.2	-27.9	48.1	215.4	197	0.0	1.0	0.766	55.1	-39.2
23/855	G88C_100_100d	0.0	1.0	0.875	1.0	54.3	-36.4	-33.7	49.6	222.8	203	0.0	1.0	0.883	54.3	-36.4
24/864	C00B_100_100d															



TUB material: code=rha4ta
cmyn6* (CMYK)

entrada: *rgb/cmyk* $\rightarrow$ *rgb_{dd}*
salida: 3D-linealización a *cmyk^{*}_{dd}*

n	HIC ^{Full}	rgb ^{Full}	lcr ^{Full}	h ₀ ^{Full}	rgb ^{*Full}	LabCh ^{*Full}	cmv ^{*sepFull}	h ₀ ^{*Full}	rgb ^{*Mid}	LabCh ^{*Mid}	δ
243	R00Y_037_037 ^{Full}	0.375	0.0	0.375	0.0	32.7	0.0	32.7	1.0	0.0	0.64
244	R18Y_037_037 ^{Full}	0.375	0.187	390	0.375	0.0	0.118	32.7	1.0	0.0	0.736
245	R18Y_037_037 ^{Full}	0.375	0.187	371	0.375	0.0	0.118	32.7	1.0	0.0	0.736
246	R65R_037_037 ^{Full}	0.375	0.0	349	0.375	0.0	0.256	33.1	1.0	0.0	0.683
247	R65R_037_037 ^{Full}	0.375	0.0	349	0.375	0.0	0.256	33.1	1.0	0.0	0.683
248	B38R_050_050 ^{Full}	0.375	0.0	316	0.385	0.0	0.375	32.9	1.0	0.0	0.703
249	B38R_050_050 ^{Full}	0.375	0.0	316	0.385	0.0	0.375	32.9	1.0	0.0	0.703
250	B38R_050_050 ^{Full}	0.375	0.0	316	0.385	0.0	0.375	32.9	1.0	0.0	0.703
251	B38R_050_050 ^{Full}	0.375	0.0	316	0.385	0.0	0.375	32.9	1.0	0.0	0.703
252	B38R_050_050 ^{Full}	0.375	0.0	316	0.385	0.0	0.375	32.9	1.0	0.0	0.703
253	B38R_050_050 ^{Full}	0.375	0.0	316	0.385	0.0	0.375	32.9	1.0	0.0	0.703
254	B38R_050_050 ^{Full}	0.375	0.0	316	0.385	0.0	0.375	32.9	1.0	0.0	0.703
255	B38R_050_050 ^{Full}	0.375	0.0	316	0.385	0.0	0.375	32.9	1.0	0.0	0.703
256	B38R_050_050 ^{Full}	0.375	0.0	316	0.385	0.0	0.375	32.9	1.0	0.0	0.703
257	B38R_050_050 ^{Full}	0.375	0.0	316	0.385	0.0	0.375	32.9	1.0	0.0	0.703
258	B38R_050_050 ^{Full}	0.375	0.0	316	0.385	0.0	0.375	32.9	1.0	0.0	0.703
259	B38R_050_050 ^{Full}	0.375	0.0	316	0.385	0.0	0.375	32.9	1.0	0.0	0.703
260	B38R_050_050 ^{Full}	0.375	0.0	316	0.385	0.0	0.375	32.9	1.0	0.0	0.703
261	B38R_050_050 ^{Full}	0.375	0.0	316	0.385	0.0	0.375	32.9	1.0	0.0	0.703
262	B38R_050_050 ^{Full}	0.375	0.0	316	0.385	0.0	0.375	32.9	1.0	0.0	0.703
263	B38R_050_050 ^{Full}	0.375	0.0	316	0.385	0.0	0.375	32.9	1.0	0.0	0.703
264	B38R_050_050 ^{Full}	0.375	0.0	316	0.385	0.0	0.375	32.9	1.0	0.0	0.703
265	B38R_050_050 ^{Full}	0.375	0.0	316	0.385	0.0	0.375	32.9	1.0	0.0	0.703
266	B38R_050_050 ^{Full}	0.375	0.0	316	0.385	0.0	0.375	32.9	1.0	0.0	0.703
267	B38R_050_050 ^{Full}	0.375	0.0	316	0.385	0.0	0.375	32.9	1.0	0.0	0.703
268	B38R_050_050 ^{Full}	0.375	0.0	316	0.385	0.0	0.375	32.9	1.0	0.0	0.703
269	B38R_050_050 ^{Full}	0.375	0.0	316	0.385	0.0	0.375	32.9	1.0	0.0	0.703
270	B38R_050_050 ^{Full}	0.375	0.0	316	0.385	0.0	0.375	32.9	1.0	0.0	0.703
271	B38R_050_050 ^{Full}	0.375	0.0	316	0.385	0.0	0.375	32.9	1.0	0.0	0.703
272	B38R_050_050 ^{Full}	0.375	0.0	316	0.385	0.0	0.375	32.9	1.0	0.0	0.703
273	B38R_050_050 ^{Full}	0.375	0.0	316	0.385	0.0	0.375	32.9	1.0	0.0	0.703
274	B38R_050_050 ^{Full}	0.375	0.0	316	0.385	0.0	0.375	32.9	1.0	0.0	0.703</

n	H1C*Fid	rgb_Fid	icr_Fid	hsa_Fid	rgb*Fid	LabCh*Fid	cmyk*_sep_Fid	delta	rgb*_Mid	hsa*_Mid	LabCh*_Mid
324	R0Y0.050.050ad	0.5	0.5	0.5	0.5	35.7	28.6	18.9	34.3	34.3	33.4
325	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
326	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
327	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
328	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
329	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
330	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
331	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
332	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
333	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
334	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
335	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
336	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
337	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
338	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
339	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
340	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
341	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
342	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
343	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
344	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
345	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
346	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
347	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
348	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
349	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
350	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
351	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
352	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
353	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
354	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
355	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
356	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
357	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
358	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
359	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
360	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
361	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
362	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
363	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
364	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
365	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
366	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
367	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
368	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
369	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
370	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
371	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
372	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
373	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
374	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
375	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
376	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
377	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
378	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
379	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
380	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
381	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
382	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
383	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
384	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
385	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
386	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
387	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
388	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
389	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
390	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
391	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
392	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
393	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
394	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
395	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
396	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
397	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
398	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
399	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
400	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
401	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
402	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
403	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4
404	R0Y0.050.050ad	0.5	0.0	0.0	0.0	35.7	28.6	18.9	34.3	34.3	33.4

n	H1C*Fid	rgb_Fid	lch_Fid	hsa_Fid	rgb*Fid	LabCh*Fid	cmyk*_sep_Fid	delta	rgb*Mid	hsa*Mid	LabCh*Mid
405	R00Y.062.062ad	0.625 0.0 0.0	0.625 0.625 0.312	390	0.625 0.0 0.0	38.6 35.7	0.0 0.858 0.0	0.394	1.0 0.0 0.0	389	47.5 57.2
406	R00Y.062.062ad	0.625 0.0 0.125	0.625 0.625 0.312	379	0.625 0.0 0.114	38.7 35.1	0.0 0.848 0.0	0.405	1.0 0.0 0.183	380	47.6 56.2
407	R00Y.062.062ad	0.625 0.0 0.250	0.625 0.625 0.312	367	0.625 0.0 0.239	38.5 35.6	0.0 0.838 0.0	0.413	1.0 0.0 0.366	367	47.6 56.2
408	R00Y.062.062ad	0.625 0.0 0.375	0.625 0.625 0.312	353	0.625 0.0 0.385	38.9 38.5	0.0 0.838 0.0	0.413	1.0 0.0 0.516	352	47.6 56.2
409	B59R.062.062ad	0.625 0.0 0.500	0.625 0.625 0.312	341	0.625 0.0 0.511	39.8 40.8	0.0 0.814 0.0	0.413	1.0 0.0 0.666	339	47.6 56.2
410	B59R.062.062ad	0.625 0.0 0.625	0.625 0.625 0.312	330	0.625 0.0 0.625	39.0 40.8	0.0 0.814 0.0	0.413	1.0 0.0 0.816	330	47.6 56.2
411	B42R.075.075ad	0.625 0.0 0.875	0.625 0.625 0.312	314	0.625 0.0 0.875	39.3 44.3	0.0 0.837 0.0	0.413	1.0 0.0 0.966	322	47.6 56.2
412	B36R.087.087ad	0.625 0.0 1.000	0.625 0.625 0.312	301	0.625 0.0 1.000	39.2 48.9	0.0 0.837 0.0	0.413	1.0 0.0 1.000	308	47.6 56.2
413	B31R.100.100ad	0.625 0.0 1.000	0.625 0.625 0.312	308	0.625 0.0 1.000	39.2 48.9	0.0 0.837 0.0	0.413	1.0 0.0 1.000	308	47.6 56.2
414	R18Y.062.062ad	0.625 0.125 0.0	0.625 0.625 0.312	41	0.625 0.114 0.0	43.2 30.3	0.0 0.728 0.0	0.358	1.0 0.0 0.183	39	47.6 56.2
415	R00Y.062.062ad	0.625 0.125 0.125	0.625 0.625 0.312	379	0.625 0.125 0.125	44.7 28.6	0.0 0.707 0.0	0.368	1.0 0.0 0.233	387	47.6 56.2
416	R26Y.062.050ad	0.625 0.125 0.250	0.625 0.625 0.312	390	0.625 0.125 0.241	44.7 28.6	0.0 0.707 0.0	0.368	1.0 0.0 0.233	387	47.6 56.2
417	R00Y.062.050ad	0.625 0.125 0.375	0.625 0.625 0.312	379	0.625 0.125 0.375	44.8 29.4	0.0 0.699 0.0	0.364	1.0 0.0 0.233	360	47.6 56.2
418	B61R.062.050ad	0.625 0.125 0.500	0.625 0.625 0.312	344	0.625 0.125 0.508	45.6 32.3	0.0 0.667 0.0	0.364	1.0 0.0 0.233	340	47.6 56.2
419	B59R.062.050ad	0.625 0.125 0.625	0.625 0.625 0.312	330	0.625 0.125 0.625	45.6 32.3	0.0 0.667 0.0	0.364	1.0 0.0 0.233	340	47.6 56.2
420	B40R.075.062ad	0.625 0.125 0.750	0.625 0.625 0.312	319	0.625 0.125 0.750	45.3 36.1	0.0 0.667 0.0	0.364	1.0 0.0 0.233	330	47.6 56.2
421	B34R.087.075ad	0.625 0.125 0.875	0.625 0.625 0.312	305	0.625 0.125 0.875	45.6 40.8	0.0 0.667 0.0	0.364	1.0 0.0 0.233	311	47.6 56.2
422	R23R.062.062ad	0.625 0.250 0.0	0.625 0.625 0.312	43	0.625 0.239 0.0	49.5 18.2	0.0 0.549 0.0	0.355	1.0 0.0 0.366	52	47.6 56.2
423	R33Y.062.062ad	0.625 0.250 0.125	0.625 0.625 0.312	54	0.625 0.241 0.125	49.6 21.7	0.0 0.549 0.0	0.355	1.0 0.0 0.366	52	47.6 56.2
424	R23Y.062.050ad	0.625 0.250 0.250	0.625 0.625 0.312	43	0.625 0.241 0.125	49.6 21.7	0.0 0.549 0.0	0.355	1.0 0.0 0.366	52	47.6 56.2
425	R00Y.062.050ad	0.625 0.250 0.375	0.625 0.625 0.312	390	0.625 0.25 0.368	50.7 21.2	0.0 0.549 0.0	0.355	1.0 0.0 0.366	389	47.6 56.2
426	R18Y.062.037ad	0.625 0.250 0.500	0.625 0.625 0.312	379	0.625 0.25 0.508	50.7 21.2	0.0 0.549 0.0	0.355	1.0 0.0 0.366	379	47.6 56.2
427	B63R.062.037ad	0.625 0.250 0.625	0.625 0.625 0.312	349	0.625 0.25 0.625	51.1 24.5	0.0 0.549 0.0	0.355	1.0 0.0 0.366	348	47.6 56.2
428	B59R.062.037ad	0.625 0.250 0.750	0.625 0.625 0.312	330	0.625 0.25 0.750	51.1 24.5	0.0 0.549 0.0	0.355	1.0 0.0 0.366	330	47.6 56.2
429	B36R.075.037ad	0.625 0.250 0.875	0.625 0.625 0.312	316	0.625 0.25 0.875	51.1 24.5	0.0 0.549 0.0	0.355	1.0 0.0 0.366	307	47.6 56.2
430	B31R.100.037ad	0.625 0.250 1.000	0.625 0.625 0.312	301	0.625 0.25 1.000	51.1 24.5	0.0 0.549 0.0	0.355	1.0 0.0 0.366	300	47.6 56.2
431	B31R.100.037ad	0.625 0.250 1.000	0.625 0.625 0.312	301	0.625 0.25 1.000	51.1 24.5	0.0 0.549 0.0	0.355	1.0 0.0 0.366	300	47.6 56.2
432	B59Y.062.062ad	0.625 0.375 0.0	0.625 0.625 0.312	67	0.625 0.375 0.0	55.5 7.6	0.0 0.378 0.0	0.353	1.0 0.0 0.616	67	47.6 56.2
433	B59Y.062.050ad	0.625 0.375 0.125	0.625 0.625 0.312	69	0.625 0.375 0.125	56.1 9.6	0.0 0.378 0.0	0.353	1.0 0.0 0.616	59	47.6 56.2
434	R31Y.062.037ad	0.625 0.375 0.250	0.625 0.625 0.312	83	0.625 0.368 0.25	56.0 13.3	0.0 0.443 0.0	0.358	1.0 0.0 0.616	83	47.6 56.2
435	R00Y.062.037ad	0.625 0.375 0.375	0.625 0.625 0.312	390	0.625 0.375 0.375	56.7 14.3	0.0 0.443 0.0	0.358	1.0 0.0 0.616	389	47.6 56.2
436	R00Y.062.037ad	0.625 0.375 0.500	0.625 0.625 0.312	360	0.625 0.375 0.500	56.7 14.3	0.0 0.443 0.0	0.358	1.0 0.0 0.616	360	47.6 56.2
437	B59R.062.025ad	0.625 0.375 0.625	0.625 0.625 0.312	330	0.625 0.375 0.625	56.9 16.3	0.0 0.39 0.0	0.358	1.0 0.0 0.616	330	47.6 56.2
438	B34R.075.037ad	0.625 0.375 0.750	0.625 0.625 0.312	311	0.625 0.375 0.750	57.0 19.3	0.0 0.39 0.0	0.358	1.0 0.0 0.616	311	47.6 56.2
439	B25R.087.037ad	0.625 0.375 0.875	0.625 0.625 0.312	293	0.625 0.375 0.875	57.5 21.5	0.0 0.39 0.0	0.358	1.0 0.0 0.616	282	47.6 56.2
440	B19R.100.062ad	0.625 0.375 1.0	0.625 0.625 0.312	279	0.625 0.375 1.0	57.5 21.5	0.0 0.39 0.0	0.358	1.0 0.0 0.616	282	47.6 56.2
441	R81Y.062.062ad	0.625 0.5 0.0	0.625 0.625 0.312	76	0.625 0.508 0.0	62.7 -1.0	0.0 0.211 0.0	0.358	1.0 0.0 0.616	80	47.6 56.2
442	R67Y.062.050ad	0.625 0.5 0.125	0.625 0.625 0.312	71	0.625 0.508 0.125	62.7 -1.0	0.0 0.211 0.0	0.358	1.0 0.0 0.616	71	47.6 56.2
443	R67Y.062.037ad	0.625 0.5 0.250	0.625 0.625 0.312	69	0.625 0.508 0.250	62.7 -1.0	0.0 0.211 0.0	0.358	1.0 0.0 0.616	71	47.6 56.2
444	R00Y.062.025ad	0.625 0.5 0.375	0.625 0.625 0.312	390	0.625 0.5 0.375	62.8 7.6	0.0 0.256 0.0	0.358	1.0 0.0 0.616	389	47.6 56.2
445	R00Y.062.025ad	0.625 0.5 0.500	0.625 0.625 0.312	360	0.625 0.5 0.500	62.8 7.6	0.0 0.256 0.0	0.358	1.0 0.0 0.616	360	47.6 56.2
446	B59R.062.012ad	0.625 0.5 0.625	0.625 0.625 0.312	330	0.625 0.5 0.625	63.1 13.8	0.0 0.256 0.0	0.358	1.0 0.0 0.616	330	47.6 56.2
447	B25R.075.025ad	0.625 0.5 0.750	0.625 0.625 0.312	289	0.625 0.5 0.750	63.1 13.8	0.0 0.256 0.0	0.358	1.0 0.0 0.616	288	47.6 56.2
448	B13R.087.037ad	0.625 0.5 0.875	0.625 0.625 0.312	289	0.625 0.5 0.875	63.1 13.8	0.0 0.256 0.0	0.358	1.0 0.0 0.616	288	47.6 56.2
449	B11R.100.050ad	0.625 0.5 1.0	0.625 0.625 0.312	284	0.625 0.5 1.0	63.1 13.8	0.0 0.256 0.0	0.358	1.0 0.0 0.616	288	47.6 56.2
450	Y00G.062.062ad	0.625 0.625 0.0	0.625 0.625 0.312	90	0.625 0.625 0.0	66.1 9.0	0.0 0.061 0.0	0.358	1.0 0.0 0.616	89	47.6 56.2
451	Y00G.062.050ad	0.625 0.625 0.125	0.625 0.625 0.312	90	0.625 0.625 0.125	66.7 -9.9	0.0 0.061 0.0	0.358	1.0 0.0 0.616	89	47.6 56.2
452	Y00G.062.037ad	0.625 0.625 0.250	0.625 0.625 0.312	90	0.625 0.625 0.250	67.2 -5.9	0.0 0.061 0.0	0.358	1.0 0.0 0.616	89	47.6 56.2
453	Y00G.062.025ad	0.625 0.625 0.375	0.625 0.625 0.312	90	0.625 0.625 0.375	67.2 -5.9	0.0 0.061 0.0	0.358	1.0 0.0 0.616	89	47.6 56.2
454	Y00G.062.012ad	0.625 0.625 0.500	0.625 0.625 0.312	90	0.625 0.625 0.500	68.8 -1.9	0.0 0.061 0.0	0.358	1.0 0.0 0.616	89	47.6 56.2
455	Y00G.062.012ad	0.625 0.625 0.625	0.625 0.625 0.312	90	0.625 0.625 0.625	68.8 -1.9	0.0 0.061 0.0	0.358	1.0 0.0 0.616	89	47.6 56.2
456	B00R.075.012ad	0.625 0.625 0.750	0.625 0.625 0.312	90	0.625 0.625 0.750	69.9 2.1	0.0 0.061 0.0	0.358	1.0 0.0 0.616	89	47.6 56.2
457	B00R.087.025ad	0.625 0.625 0.875	0.625 0.625 0.312	90	0.625 0.625 0.875	71.0 4.2	0.0 0.061 0.0	0.358	1.0 0.0 0.616	89	47.6 56.2
458	B00R.100.037ad	0.625 0.625 1.0	0.625 0.625 0.312	90	0.625 0.625 1.0	71.0 4.2	0.0 0.061 0.0	0.358	1.0 0.0 0.616	89	47.6 56.2
459	Y15C.075.062ad	0.625 0.75 0.0	0.625 0.625 0.312	99	0.625 0.75 0.0	75.1 -14.1	0.0 0.061 0.0	0.358	1.0 0.0 0.616	97	47.6 56.2
460	Y15C.075.062ad	0.625 0.75 0.125	0.625 0.625 0.312	101	0.625 0.75 0.125	75.1 -14.1	0.0 0.061 0.0	0.358	1.0 0.0 0.616	97	47.6 56.2
461	Y15C.075.062ad	0.625 0.75 0.250	0.625 0.625 0.312	101	0.625 0.75 0.250	75.1 -14.1	0.0 0.061 0.0	0.358	1.0 0.0 0.616	97	47.6 56.2
462	Y15C.075.062ad	0.625 0.75 0.375	0.625 0.625 0.312	101	0.625 0.75 0.375	75.1 -14.1	0.0 0.061 0.0	0.358	1.0 0.0 0.616	97	47.6 56.2
463	Y15C.075.062ad	0.625 0.75 0.500	0.625 0.625 0.312	101	0.625 0.75 0.500	75.1 -14.1	0.0 0.061 0.0	0.358	1.0 0.0 0.616	97	47.6 56.2
464	G00B.075.025ad	0.625 0.75 0.625	0.625 0.625 0.312	150	0.625 0.75 0.625	72.6 -8.4	0.0 0.193 0.0	0.358	1.0 0.0 0.616	149	47.6 56.2
465	G00B.075.025ad	0.625 0.75 0.750	0.625 0.625 0.312	150	0.625 0.75 0.750	72.6 -8.4	0.0 0.193 0.0	0.358	1.0 0.0 0.616	149	47.6 56.2
466	G00B.075.025ad	0.625 0.75 0.875	0.625 0.625 0.312	150	0.625 0.75 0.875	72.6 -8.4	0.0 0.193 0.0	0.358	1.0 0.0 0.616	149	47.6 56.2
467	G00B.075.025ad	0.625 0.75 1.0	0.625 0.625 0.312	150	0.625 0.75 1.0	72.6 -8.4	0.0 0.193 0.0	0.358	1.0 0.0 0.616	149	47.6 56.2
468	G00B.075.025ad	0.625 0.75 1.0	0.625 0.625 0.312	150	0.625 0.75 1.0	72.6 -8.4	0.0 0.193 0.0	0.358	1.0 0.0 0.616	149	47.6 56.2
469	Y31C.087.062ad	0.625 0.875 0.0	0.625 0.625 0.312	106	0.625 0.875 0.0	74.6 -3.3	0.0 0.061 0.0	0.358			

TUB matrícula: 20130201-QS99/QS99L0FP.PDF /PS
aplicación para la medida salida de impresora láser, separación cmyk6* (CMYK)

TUB material: code=rha4ta

entrada: rgb/cmyk -> rgbd
salida: 3D-linealización a cmyk*dd

n	HVC*Fid	rgb_Fid	lcr_Fid	hsa_Fid	rgb*Fid	LabCh*Fid	cmyk*_sep_Fid	cmyn*_sep_Fid	hsa_id	rgb*_id	LabCh*_id	delta
486	R00Y.075.075ad	0.75	0.0	0.0	0.0	41.6	0.0	0.0	389	1.0	0.0	37.8
487	R35Y.075.075ad	0.75	0.125	0.0	0.112	41.7	0.0	0.0	382	1.0	0.0	68.6
488	R10Y.075.075ad	0.75	0.25	0.0	0.237	41.5	0.0	0.0	382	1.0	0.0	65.2
489	R0Y.075.075ad	0.75	0.375	0.0	0.375	41.8	0.0	0.0	360	1.0	0.0	30.3
490	B65R.075.075ad	0.75	0.0	0.75	0.0	51.2	0.0	0.0	360	1.0	0.0	22.3
491	B57R.075.075ad	0.75	0.0	0.625	0.0	42.4	0.0	0.0	348	1.0	0.0	59.9
492	B40R.075.075ad	0.75	0.0	0.375	0.0	42.4	0.0	0.0	337	1.0	0.0	63.2
493	B30R.075.075ad	0.75	0.0	0.25	0.0	42.4	0.0	0.0	337	1.0	0.0	358.3
494	B38R.100.100ad	0.75	0.0	0.875	0.0	42.1	0.0	0.0	337	1.0	0.0	68.6
495	R15Y.075.075ad	0.75	0.1	0.0	0.112	42.8	0.0	0.0	332	1.0	0.0	9.9
496	R00Y.075.062ad	0.75	0.125	0.0	0.125	42.8	0.0	0.0	332	1.0	0.0	65.4
497	R35Y.075.062ad	0.75	0.25	0.0	0.237	42.7	0.0	0.0	332	1.0	0.0	12.7
498	R10Y.075.062ad	0.75	0.375	0.0	0.375	42.7	0.0	0.0	332	1.0	0.0	66.6
499	B65R.075.062ad	0.75	0.0	0.75	0.0	51.2	0.0	0.0	332	1.0	0.0	348.9
500	B57R.075.062ad	0.75	0.0	0.625	0.0	42.4	0.0	0.0	332	1.0	0.0	66.6
501	B40R.075.062ad	0.75	0.0	0.375	0.0	42.4	0.0	0.0	332	1.0	0.0	348.9
502	B30R.075.062ad	0.75	0.0	0.25	0.0	42.4	0.0	0.0	332	1.0	0.0	66.6
503	B38R.100.075ad	0.75	0.0	0.875	0.0	42.1	0.0	0.0	317	1.0	0.0	72.4
504	R15Y.075.075ad	0.75	0.1	0.0	0.112	42.8	0.0	0.0	317	1.0	0.0	44.3
505	R00Y.075.062ad	0.75	0.125	0.0	0.125	42.8	0.0	0.0	389	1.0	0.0	33.4
506	R35Y.075.062ad	0.75	0.25	0.0	0.237	42.7	0.0	0.0	389	1.0	0.0	68.6
507	R10Y.075.062ad	0.75	0.375	0.0	0.375	42.7	0.0	0.0	389	1.0	0.0	33.4
508	B65R.075.062ad	0.75	0.0	0.75	0.0	51.2	0.0	0.0	377	1.0	0.0	68.6
509	B57R.075.062ad	0.75	0.0	0.625	0.0	42.4	0.0	0.0	377	1.0	0.0	28.4
510	B40R.075.062ad	0.75	0.0	0.375	0.0	42.4	0.0	0.0	362	1.0	0.0	59.9
511	B30R.075.062ad	0.75	0.0	0.25	0.0	42.4	0.0	0.0	362	1.0	0.0	10.0
512	B38R.100.075ad	0.75	0.0	0.875	0.0	42.1	0.0	0.0	340	1.0	0.0	66.6
513	R15Y.075.075ad	0.75	0.1	0.0	0.112	42.8	0.0	0.0	320	1.0	0.0	12.7
514	R00Y.075.062ad	0.75	0.125	0.0	0.125	42.8	0.0	0.0	320	1.0	0.0	348.9
515	R35Y.075.062ad	0.75	0.25	0.0	0.237	42.7	0.0	0.0	320	1.0	0.0	66.6
516	R10Y.075.062ad	0.75	0.375	0.0	0.375	42.7	0.0	0.0	320	1.0	0.0	348.9
517	B65R.075.062ad	0.75	0.0	0.75	0.0	51.2	0.0	0.0	311	1.0	0.0	66.6
518	B57R.075.062ad	0.75	0.0	0.625	0.0	42.4	0.0	0.0	311	1.0	0.0	12.7
519	B40R.075.062ad	0.75	0.0	0.375	0.0	42.4	0.0	0.0	311	1.0	0.0	348.9
520	B30R.075.062ad	0.75	0.0	0.25	0.0	42.4	0.0	0.0	311	1.0	0.0	66.6
521	B38R.100.062ad	0.75	0.0	0.875	0.0	42.1	0.0	0.0	311	1.0	0.0	72.4
522	R68Y.075.075ad	0.75	0.0	0.75	0.0	58.8	0.0	0.0	71	1.0	0.0	85.7
523	R61Y.075.062ad	0.75	0.0	0.625	0.0	43.7	0.0	0.0	71	1.0	0.0	80.3
524	R50Y.075.050ad	0.75	0.0	0.5	0.0	65.1	0.0	0.0	59	1.0	0.0	73.8
525	R31Y.075.037ad	0.75	0.0	0.375	0.0	65.7	0.0	0.0	59	1.0	0.0	58.2
526	R00Y.075.025ad	0.75	0.0	0.25	0.0	65.7	0.0	0.0	48	1.0	0.0	68.6
527	R00Y.075.025ad	0.75	0.0	0.25	0.0	65.7	0.0	0.0	389	1.0	0.0	33.4
528	B50R.075.025ad	0.75	0.0	0.625	0.0	43.7	0.0	0.0	360	1.0	0.0	59.9
529	B34R.087.037ad	0.75	0.0	0.875	0.0	43.7	0.0	0.0	330	1.0	0.0	66.6
530	B23R.100.050ad	0.75	0.0	1.0	0.0	66.5	0.0	0.0	311	1.0	0.0	324.4
531	R85Y.075.075ad	0.75	0.0	0.75	0.0	70.9	0.0	0.0	81	1.0	0.0	95.7
532	R81Y.075.062ad	0.75	0.0	0.625	0.0	71.3	0.0	0.0	81	1.0	0.0	76.4
533	R76Y.075.050ad	0.75	0.0	0.5	0.0	71.7	0.0	0.0	77	1.0	0.0	92.2
534	R68Y.075.037ad	0.75	0.0	0.375	0.0	71.4	0.0	0.0	59	1.0	0.0	73.8
535	R50Y.075.025ad	0.75	0.0	0.25	0.0	71.5	0.0	0.0	59	1.0	0.0	68.6
536	R00Y.075.012ad	0.75	0.0	0.125	0.0	71.3	0.0	0.0	59	1.0	0.0	33.4
537	B50R.087.025ad	0.75	0.0	0.625	0.0	43.7	0.0	0.0	389	1.0	0.0	66.6
538	B34R.087.037ad	0.75	0.0	0.875	0.0	43.7	0.0	0.0	389	1.0	0.0	73.8
539	B23R.100.037ad	0.75	0.0	1.0	0.0	66.5	0.0	0.0	389	1.0	0.0	33.4
540	Y00G.075.075ad	0.75	0.0	0.75	0.0	74.6	0.0	0.0	288	1.0	0.0	100.5
541	Y00G.075.062ad	0.75	0.0	0.625	0.0	74.6	0.0	0.0	288	1.0	0.0	86.1
542	Y00G.075.050ad	0.75	0.0	0.5	0.0	75.1	0.0	0.0	89	1.0	0.0	100.5
543	Y00G.075.037ad	0.75	0.0	0.375	0.0	75.2	0.0	0.0	89	1.0	0.0	86.1
544	Y00G.075.025ad	0.75	0.0	0.25	0.0	75.2	0.0	0.0	89	1.0	0.0	100.5
545	Y00G.075.012ad	0.75	0.0	0.125	0.0	75.2	0.0	0.0	89	1.0	0.0	86.1
546	Y00G.075.012ad	0.75	0.0	0.125	0.0	75.2	0.0	0.0	89	1.0	0.0	100.5
547	B00R.087.012ad	0.75	0.0	0.875	0.0	78.9	0.0	0.0	270	1.0	0.0	47.7
548	B00R.100.025ad	0.75	0.0	1.0	0.0	80.0	0.0	0.0	270	1.0	0.0	290.8
549	Y13C.087.087ad	0.75	0.0	0.875	0.0	84.0	0.0	0.0	97	1.0	0.0	101.6
550	Y18C.087.062ad	0.75	0.0	0.625	0.0	84.1	0.0	0.0	97	1.0	0.0	89.2
551	Y18C.087.037ad	0.75	0.0	0.375	0.0	84.1	0.0	0.0	99	1.0	0.0	101.6
552	Y23C.087.050ad	0.75	0.0	0.5	0.0	84.1	0.0	0.0	99	1.0	0.0	102.6
553	Y31G.087.037ad	0.75	0.0	0.375	0.0	84.1	0.0	0.0	102	1.0	0.0	103.6
554	Y50G.087.025ad	0.75	0.0	0.625	0.0	84.1	0.0	0.0	108	1.0	0.0	109.8
555	G00B.087.012ad	0.75	0.0	0.875	0.0	84.1	0.0	0.0	119	1.0	0.0	127.3
556	G00B.087.012ad	0.75	0.0	0.875	0.0	84.1	0.0	0.0	149	1.0	0.0	155.5
557	G73B.100.025ad	0.75	0.0	1.0	0.0	84.3	0.0	0.0	210	1.0	0.0	235.1
558	Y23C.100.100ad	0.75	0.0	1.0	0.0	90.4	0.0	0.0	102	1.0	0.0	103.6
559	Y26C.100.087ad	0.75	0.0	0.875	0.0	89.6	0.0	0.0	104	1.0	0.0	109.8
560	Y31G.100.075ad	0.75	0.0	0.625	0.0	89.6	0.0	0.0	104	1.0	0.0	115.8
561	Y38C.100.062ad	0.75	0.0	0.5	0.0	89.6	0.0	0.0	112	1.0	0.0	127.3
562	Y68C.100.050ad	0.75	0.0	0.375	0.0	89.6	0.0	0.0	112	1.0	0.0	139.4
563	Y86C.100.037ad	0.75	0.0	0.25	0.0	89.6	0.0	0.0	112	1.0	0.0	155.5
564	G00B.100.025ad	0.75	0.0	1.0	0.0	89.6	0.0	0.0	149	1.0	0.0	189.8
565	G25B.100.025ad	0.75	0.0	0.875	0.0	85.6	0.0	0.0	180	1.0	0.0	235.1
566	G50B.100.025ad	0.75	0.0	1.0	0.0	85.1	0.0	0.0	210	1.0	0.0	43.1

gráfico TUB-QS99; código de tono: H*d=G50Bd
colores y diferencia en color, ΔE*

QS99-7N, 26/33-F

2-1032530-F0

n	H1C*Fid	rgb_Fid	lch_Fid	hsa_Fid	rgb*Fid	LabCh*Fid	cmyk*_sep_Fid	delta	delta
567	R00Y,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	390	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.939	0.922
568	R36Y,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	392	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.933	0.919
569	R23Y,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	374	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.928	0.897
570	R20Y,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	365	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.927	0.897
571	R70K,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	355	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.925	0.897
572	B63K,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	346	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.898	0.897
573	B56K,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	338	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.911	0.897
574	B50K,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	330	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.925	0.897
575	B44K,100,100Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	323	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.999	0.0, 0.0
576	R13Y,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	38	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.823	0.927
577	R30Y,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	391	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.798	0.666
578	R35Y,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	381	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.787	0.604
579	R18Y,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	375	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.777	0.491
580	R00Y,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	360	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.777	0.357
581	B65K,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	349	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.764	0.231
582	B57K,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	339	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.765	0.139
583	B43K,100,100Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	322	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.786	0.097
584	B43K,100,100Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	322	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.786	0.134
585	R15Y,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	39	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.738	0.154
586	R15Y,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	39	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.738	0.154
587	R31Y,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	389	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.693	0.342
588	R31Y,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	389	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.693	0.342
589	R10Y,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	379	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.679	0.485
590	B60K,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	367	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.669	0.38
591	B53K,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	358	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.665	0.251
592	B46K,100,100Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	341	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.658	0.143
593	B46K,100,100Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	341	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.658	0.143
594	R41Y,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	55	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.599	0.132
595	R41Y,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	55	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.599	0.132
596	R18Y,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	375	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.581	0.782
597	R18Y,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	375	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.581	0.782
598	R26Y,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	376	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.578	0.457
599	R26Y,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	376	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.578	0.457
600	B61K,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	362	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.551	0.262
601	B50K,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	354	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.532	0.147
602	B40K,100,100Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	319	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.532	0.102
603	R50Y,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	60	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.56	0.156
604	R50Y,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	60	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.56	0.156
605	R38Y,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	53	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.467	0.662
606	R23Y,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	44	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.49	0.525
607	R00Y,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	390	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.454	0.344
608	R18Y,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	371	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.43	0.264
609	B65K,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	349	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.408	0.09
610	B50K,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	330	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.43	0.137
611	B38K,100,100Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	316	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.437	0.086
612	R73Y,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	74	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.237	0.873
613	R83Y,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	75	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.29	0.767
614	R61Y,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	67	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.336	0.684
615	R30Y,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	60	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.329	0.535
616	R31Y,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	49	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.355	0.407
617	R00Y,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	390	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.32	0.239
618	B50K,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	330	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.292	0.153
619	B34K,100,100Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	311	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.285	0.071
620	R34K,100,100Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	311	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.311	0.0
621	R86Y,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	82	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.103	0.793
622	R83Y,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	81	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.13	0.726
623	R31Y,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	79	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.154	0.644
624	R31Y,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	79	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.154	0.644
625	B65Y,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	349	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.188	0.066
626	B50Y,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	360	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.188	0.066
627	R00Y,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	390	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.17	0.142
628	B50K,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	330	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.159	0.054
629	B25K,100,100Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	300	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.203	0.0
630	Y00C,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	90	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.039	0.832
631	Y00C,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	90	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.039	0.832
632	Y00C,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	90	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.025	0.651
633	Y00C,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	90	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.039	0.512
634	Y00C,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	90	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.044	0.385
635	Y00C,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	90	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.029	0.257
636	Y00C,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	90	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.029	0.15
637	Y00C,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	90	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.017	0.018
638	Y00C,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	90	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.017	0.018
639	Y00C,087,087Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	90	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.017	0.018
640	Y13C,100,100Ad	0.875, 0.0, 0.0	0.875, 0.875, 0.437	98	0.875, 0.0, 0.0	44.6, 50.0, 44.6	0.0, 0.0, 0.0	0.0	

n	HVC*Fid	rgb_Fid	icr_Fid	hsa_Fid	rgb*Fid	LabCh*Fid	cmyk*_sep_Fid	rgb*_Fid	hsa*_Fid	LabCh*_Fid	cmyk*_sep_Fid	rgb*_Fid	hsa*_Fid	LabCh*_Fid	cmyk*_sep_Fid	delta
648	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4	0.0	1.0	0.0	0.0	0.0	37.8
649	R38Y_100_100ad	1.0	0.0	0.0	0.0	47.5	57.2	34.5	66.1	31.4	0.0	1.0	0.0	0.0	0.0	34.5
650	R26Y_100_100ad	1.0	0.0	0.0	0.0	47.5	57.2	28.4	62.8	26.9	0.0	1.0	0.0	0.0	0.0	28.4
651	R13Y_100_100ad	1.0	0.0	0.0	0.0	47.5	57.2	20.0	60.2	19.4	0.0	1.0	0.0	0.0	0.0	20.0
652	R00Y_100_100ad	1.0	0.0	0.0	0.0	47.5	57.2	10.4	59.9	10.4	0.0	1.0	0.0	0.0	0.0	10.4
653	B68R_100_100ad	1.0	0.0	0.0	0.0	47.5	57.2	1.5	62.0	1.4	0.0	1.0	0.0	0.0	0.0	1.5
654	B61R_100_100ad	1.0	0.0	0.0	0.0	47.5	57.2	64.7	65.1	65.1	0.0	1.0	0.0	0.0	0.0	64.7
655	B55R_100_100ad	1.0	0.0	0.0	0.0	47.5	57.2	66.1	66.1	66.1	0.0	1.0	0.0	0.0	0.0	66.1
656	B50R_100_100ad	1.0	0.0	0.0	0.0	47.5	57.2	66.6	66.6	66.6	0.0	1.0	0.0	0.0	0.0	66.6
657	R11Y_100_100ad	1.0	0.0	0.0	0.0	47.5	57.2	48.4	72.9	41.6	0.0	1.0	0.0	0.0	0.0	48.4
658	R00Y_100_097ad	1.0	0.0	0.0	0.0	47.5	57.2	33.4	60.0	33.4	0.0	1.0	0.0	0.0	0.0	33.4
659	R38Y_100_097ad	1.0	0.0	0.0	0.0	47.5	57.2	29.6	57.5	30.9	0.0	1.0	0.0	0.0	0.0	29.6
660	R26Y_100_097ad	1.0	0.0	0.0	0.0	47.5	57.2	23.1	54.3	25.2	0.0	1.0	0.0	0.0	0.0	23.1
661	R13Y_100_097ad	1.0	0.0	0.0	0.0	47.5	57.2	15.9	52.5	15.9	0.0	1.0	0.0	0.0	0.0	15.9
662	B68R_100_097ad	1.0	0.0	0.0	0.0	47.5	57.2	4.3	53.5	4.6	0.0	1.0	0.0	0.0	0.0	4.3
663	B61R_100_097ad	1.0	0.0	0.0	0.0	47.5	57.2	56.2	64.3	56.2	0.0	1.0	0.0	0.0	0.0	56.2
664	B55R_100_097ad	1.0	0.0	0.0	0.0	47.5	57.2	66.1	66.1	66.1	0.0	1.0	0.0	0.0	0.0	66.1
665	B50R_100_097ad	1.0	0.0	0.0	0.0	47.5	57.2	66.6	66.6	66.6	0.0	1.0	0.0	0.0	0.0	66.6
666	R23Y_100_100ad	1.0	0.0	0.0	0.0	47.5	57.2	54.5	69.7	51.4	0.0	1.0	0.0	0.0	0.0	54.5
667	R13Y_100_100ad	1.0	0.0	0.0	0.0	47.5	57.2	43.4	63.8	42.2	0.0	1.0	0.0	0.0	0.0	43.4
668	R00Y_100_075ad	1.0	0.0	0.0	0.0	47.5	57.2	28.3	51.4	33.4	0.0	1.0	0.0	0.0	0.0	28.3
669	R38Y_100_075ad	1.0	0.0	0.0	0.0	47.5	57.2	24.6	48.9	30.3	0.0	1.0	0.0	0.0	0.0	24.6
670	R26Y_100_075ad	1.0	0.0	0.0	0.0	47.5	57.2	17.4	45.8	22.3	0.0	1.0	0.0	0.0	0.0	17.4
671	R13Y_100_075ad	1.0	0.0	0.0	0.0	47.5	57.2	10.4	44.9	10.4	0.0	1.0	0.0	0.0	0.0	10.4
672	B68R_100_075ad	1.0	0.0	0.0	0.0	47.5	57.2	1.3	47.4	35.3	0.0	1.0	0.0	0.0	0.0	1.3
673	B61R_100_075ad	1.0	0.0	0.0	0.0	47.5	57.2	60.4	60.4	60.4	0.0	1.0	0.0	0.0	0.0	60.4
674	B55R_100_075ad	1.0	0.0	0.0	0.0	47.5	57.2	66.1	66.1	66.1	0.0	1.0	0.0	0.0	0.0	66.1
675	B50R_100_075ad	1.0	0.0	0.0	0.0	47.5	57.2	66.6	66.6	66.6	0.0	1.0	0.0	0.0	0.0	66.6
676	R26Y_100_097ad	1.0	0.0	0.0	0.0	47.5	57.2	30.6	60.1	67.3	0.0	1.0	0.0	0.0	0.0	30.6
677	R13Y_100_097ad	1.0	0.0	0.0	0.0	47.5	57.2	43.4	63.8	42.2	0.0	1.0	0.0	0.0	0.0	43.4
678	R00Y_100_075ad	1.0	0.0	0.0	0.0	47.5	57.2	28.3	51.4	33.4	0.0	1.0	0.0	0.0	0.0	28.3
679	R38Y_100_075ad	1.0	0.0	0.0	0.0	47.5	57.2	24.6	48.9	30.3	0.0	1.0	0.0	0.0	0.0	24.6
680	R26Y_100_062ad	1.0	0.0	0.0	0.0	47.5	57.2	11.8	37.5	28.9	0.0	1.0	0.0	0.0	0.0	11.8
681	B68R_100_062ad	1.0	0.0	0.0	0.0	47.5	57.2	35.1	40.1	28.9	0.0	1.0	0.0	0.0	0.0	35.1
682	B61R_100_062ad	1.0	0.0	0.0	0.0	47.5	57.2	65.9	38.5	2.5	0.0	1.0	0.0	0.0	0.0	65.9
683	B55R_100_062ad	1.0	0.0	0.0	0.0	47.5	57.2	66.8	40.9	-5.4	0.0	1.0	0.0	0.0	0.0	66.8
684	B50R_100_062ad	1.0	0.0	0.0	0.0	47.5	57.2	66.2	69.0	73.8	0.0	1.0	0.0	0.0	0.0	66.2
685	R41Y_100_075ad	1.0	0.0	0.0	0.0	47.5	57.2	54.7	59.1	67.0	0.0	1.0	0.0	0.0	0.0	54.7
686	R31Y_100_075ad	1.0	0.0	0.0	0.0	47.5	57.2	43.7	51.1	58.6	0.0	1.0	0.0	0.0	0.0	43.7
687	R18Y_100_062ad	1.0	0.0	0.0	0.0	47.5	57.2	32.7	44.6	47.1	0.0	1.0	0.0	0.0	0.0	32.7
688	R00Y_100_050ad	1.0	0.0	0.0	0.0	47.5	57.2	28.6	18.9	34.3	0.0	1.0	0.0	0.0	0.0	28.6
689	R26Y_100_050ad	1.0	0.0	0.0	0.0	47.5	57.2	14.2	31.4	26.9	0.0	1.0	0.0	0.0	0.0	14.2
690	R13Y_100_050ad	1.0	0.0	0.0	0.0	47.5	57.2	29.9	10.0	0.0	0.0	1.0	0.0	0.0	0.0	29.9
691	B61R_100_050ad	1.0	0.0	0.0	0.0	47.5	57.2	64.7	64.7	64.7	0.0	1.0	0.0	0.0	0.0	64.7
692	B55R_100_050ad	1.0	0.0	0.0	0.0	47.5	57.2	66.1	66.1	66.1	0.0	1.0	0.0	0.0	0.0	66.1
693	B50R_100_050ad	1.0	0.0	0.0	0.0	47.5	57.2	66.6	66.6	66.6	0.0	1.0	0.0	0.0	0.0	66.6
694	R38Y_100_097ad	1.0	0.0	0.0	0.0	47.5	57.2	28.3	51.4	33.4	0.0	1.0	0.0	0.0	0.0	28.3
695	R26Y_100_075ad	1.0	0.0	0.0	0.0	47.5	57.2	17.4	45.8	22.3	0.0	1.0	0.0	0.0	0.0	17.4
696	R13Y_100_062ad	1.0	0.0	0.0	0.0	47.5	57.2	10.4	44.9	10.4	0.0	1.0	0.0	0.0	0.0	10.4
697	B68R_100_050ad	1.0	0.0	0.0	0.0	47.5	57.2	1.3	47.4	35.3	0.0	1.0	0.0	0.0	0.0	1.3
698	R00Y_100_037ad	1.0	0.0	0.0	0.0	47.5	57.2	33.4	60.0	33.4	0.0	1.0	0.0	0.0	0.0	33.4
699	R38Y_100_037ad	1.0	0.0	0.0	0.0	47.5	57.2	29.6	57.5	30.9	0.0	1.0	0.0	0.0	0.0	29.6
700	R26Y_100_037ad	1.0	0.0	0.0	0.0	47.5	57.2	23.1	54.3	25.2	0.0	1.0	0.0	0.0	0.0	23.1
701	B68R_100_037ad	1.0	0.0	0.0	0.0	47.5	57.2	4.3	53.5	4.6	0.0	1.0	0.0	0.0	0.0	4.3
702	R23Y_100_075ad	1.0	0.0	0.0	0.0	47.5	57.2	54.5	69.7	51.4	0.0	1.0	0.0	0.0	0.0	54.5
703	R13Y_100_075ad	1.0	0.0	0.0	0.0	47.5	57.2	43.4	63.8	42.2	0.0	1.0	0.0	0.0	0.0	43.4
704	B68R_100_062ad	1.0	0.0	0.0	0.0	47.5	57.2	35.1	40.1	28.9	0.0	1.0	0.0	0.0	0.0	35.1
705	B61R_100_062ad	1.0	0.0	0.0	0.0	47.5	57.2	65.9	38.5	2.5	0.0	1.0	0.0	0.0	0.0	65.9
706	B55R_100_062ad	1.0	0.0	0.0	0.0	47.5	57.2	66.8	40.9	-5.4	0.0	1.0	0.0	0.0	0.0	66.8
707	B50R_100_062ad	1.0	0.0	0.0	0.0	47.5	57.2	66.2	69.0	73.8	0.0	1.0	0.0	0.0	0.0	66.2
708	R41Y_100_037ad	1.0	0.0	0.0	0.0	47.5	57.2	54.7	59.1	67.0	0.0	1.0	0.0	0.0	0.0	54.7
709	R31Y_100_037ad	1.0	0.0	0.0	0.0	47.5	57.2	43.7	51.1	58.6	0.0	1.0	0.0	0.0	0.0	43.7
710	R18Y_100_037ad	1.0	0.0	0.0	0.0	47.5	57.2	32.7	44.6	47.1	0.0	1.0	0.0	0.0	0.0	32.7
711	R00Y_100_025ad	1.0	0.0	0.0	0.0	47.5	57.2	28.6	18.9	34.3	0.0	1.0	0.0	0.0	0.0	28.6
712	R38Y_100_025ad	1.0	0.0	0.0	0.0	47.5	57.2	14.2	31.4	26.9	0.0	1.0	0.0	0.0	0.0	14.2
713	R26Y_100_025ad	1.0	0.0	0.0	0.0	47.5	57.2	29.9	10.0	0.0	0.0	1.0	0.0	0.0	0.0	29.9
714	R13Y_100_025ad	1.0	0.0	0.0	0.0	47.5	57.2	64.7	64.7	64.7	0.0	1.0	0.0	0.0	0.0	64.7
715	B68R_100_025ad	1.0	0.0	0.0	0.0	47.5	57.2	66.1	66.1	66.1	0.0	1.0	0.0	0.0	0.0	66.1
716	B61R_100_025ad	1.0	0.0	0.0	0.0	47.5	57.2	66.6	66.6	66.6	0.0	1.0	0.0	0.0	0.0	66.6
717	B55R_100_025ad	1.0	0.0	0.0	0.0	47.5	57.2	66.2	69.0	73.8	0.0	1.0	0.0	0.0	0.0	66.2
718	R00Y_100_012ad	1.0	0.0	0.0	0.0	47.5	57.2	33.4	60.0	33.4	0.0	1.0	0.0	0.0	0.0	33.4
719	R38Y_100_012ad	1.0	0.0	0.0	0.0	47.5	57.2	29.6	57.5	30.9	0.0	1.0	0.0	0.0	0.0	29.6
720	R26Y_100_012ad	1.0	0.0	0.0	0.0	47.5	57.2	23.1	54.3	25.2	0.0	1.0	0.0	0.0	0.0	23.1
721	Y00C_100_087ad	1.0	0.0	0.0	0.0	47.5	57.2	66.1	66.1	66.1	0.0	1.0	0.0	0.0	0.0	66.1
722	Y00C_100_075ad	1.0	0.0	0.0	0.0	47.5	57.2	66.6	66.6	66.6	0.0	1.0	0.0	0.0	0.0	66.6
723	Y00C_100_062ad	1.0	0.0	0.0	0.0	47.5	57.2	66.2	69.0							

n	HC*Fid	rgb_Fid	icr_Fid	hsa_Fid	rgb*Fid	LabCh*Fid	cmyk*sep_Fid	delta	hsa_id	rgb*id	LabCh*id
729	NW_1000ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
730	G50B_100.012ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
731	G50B_100.025ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
732	G50B_100.037ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
733	G50B_100.050ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
734	G50B_100.062ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
735	G50B_100.075ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
736	G50B_100.087ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
737	G50B_100.100ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
738	ROY_100.012ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
739	ROY_100.025ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
740	ROY_100.037ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
741	ROY_100.050ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
742	ROY_100.062ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
743	ROY_100.075ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
744	ROY_100.087ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
745	ROY_100.100ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
746	ROY_100.012ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
747	ROY_100.025ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
748	ROY_100.037ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
749	ROY_100.050ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
750	ROY_100.062ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
751	ROY_100.075ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
752	ROY_100.087ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
753	ROY_100.100ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
754	ROY_100.012ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
755	ROY_100.025ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
756	ROY_100.037ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
757	ROY_100.050ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
758	ROY_100.062ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
759	ROY_100.075ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
760	ROY_100.087ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
761	ROY_100.100ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
762	ROY_100.012ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
763	ROY_100.025ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
764	ROY_100.037ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
765	ROY_100.050ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
766	ROY_100.062ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
767	ROY_100.075ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
768	ROY_100.087ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
769	ROY_100.100ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
770	ROY_100.012ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
771	ROY_100.025ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
772	ROY_100.037ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
773	ROY_100.050ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
774	ROY_100.062ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
775	ROY_100.075ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
776	ROY_100.087ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
777	ROY_100.100ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
778	ROY_100.012ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
779	ROY_100.025ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
780	ROY_100.037ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
781	ROY_100.050ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
782	ROY_100.062ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
783	ROY_100.075ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
784	ROY_100.087ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
785	ROY_100.100ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
786	ROY_100.012ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
787	ROY_100.025ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
788	ROY_100.037ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
789	ROY_100.050ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
790	ROY_100.062ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
791	ROY_100.075ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
792	ROY_100.087ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
793	ROY_100.100ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
794	ROY_100.012ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
795	ROY_100.025ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
796	ROY_100.037ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
797	ROY_100.050ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
798	ROY_100.062ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
799	ROY_100.075ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
800	ROY_100.087ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
801	ROY_100.100ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
802	ROY_100.012ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
803	ROY_100.025ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
804	ROY_100.037ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
805	ROY_100.050ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
806	ROY_100.062ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
807	ROY_100.075ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
808	ROY_100.087ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8
809	ROY_100.100ad	0.875	1.0	1.0	1.0	95.8	0.0	0.0	360	1.0	95.8

n	HVC*Fid	rgb_Fid	icr_Fid	hsa_Fid	rgb*Fid	LabCh*Fid	cmyk*_sep_Fid	delta	rgb*_Mid	hsa_Mid	LabCh*_Mid
891	NW_1000ad	1.0	1.0	1.0	1.0	95.8	0.0	0.0	1.0	360	95.8
892	B50R_100.012ad	0.875	1.0	0.875	1.0	89.8	0.0	0.0	1.0	330	89.8
893	B50R_100.025ad	0.75	1.0	0.75	1.0	83.9	0.0	0.0	1.0	330	83.9
894	B50R_100.037ad	0.625	1.0	0.625	1.0	77.9	0.0	0.0	1.0	330	77.9
895	B50R_100.050ad	0.5	1.0	0.5	1.0	72.9	0.0	0.0	1.0	330	72.9
896	B50R_100.062ad	0.375	1.0	0.375	1.0	66.0	0.0	0.0	1.0	330	66.0
897	B50R_100.075ad	0.25	1.0	0.25	1.0	60.0	0.0	0.0	1.0	330	60.0
898	B50R_100.087ad	0.125	1.0	0.125	1.0	54.1	0.0	0.0	1.0	330	54.1
899	B50R_100.100ad	0.0	1.0	0.0	1.0	48.1	0.0	0.0	1.0	330	48.1
900	GOB_100.012ad	0.875	1.0	0.875	1.0	90.6	0.0	0.0	1.0	360	90.6
901	NW_087ad	0.875	0.875	0.875	0.875	86.8	0.0	0.0	1.0	360	86.8
902	B50R_087.012ad	0.875	0.875	0.875	0.875	80.8	0.0	0.0	1.0	330	80.8
903	B50R_087.025ad	0.875	0.875	0.875	0.875	74.9	0.0	0.0	1.0	330	74.9
904	B50R_087.037ad	0.875	0.875	0.875	0.875	68.9	0.0	0.0	1.0	330	68.9
905	B50R_087.050ad	0.875	0.875	0.875	0.875	63.0	0.0	0.0	1.0	330	63.0
906	B50R_087.062ad	0.875	0.875	0.875	0.875	57.0	0.0	0.0	1.0	330	57.0
907	B50R_087.075ad	0.875	0.875	0.875	0.875	51.1	0.0	0.0	1.0	330	51.1
908	B50R_087.087ad	0.875	0.875	0.875	0.875	45.1	0.0	0.0	1.0	330	45.1
909	GOB_100.025ad	0.75	1.0	0.75	1.0	85.4	0.0	0.0	1.0	360	85.4
910	GOB_100.037ad	0.625	1.0	0.625	1.0	79.5	0.0	0.0	1.0	360	79.5
911	B50R_075.012ad	0.75	0.875	0.75	0.875	77.8	0.0	0.0	1.0	360	77.8
912	B50R_075.025ad	0.625	0.875	0.625	0.875	71.8	0.0	0.0	1.0	330	71.8
913	B50R_075.037ad	0.5	0.875	0.5	0.875	65.9	0.0	0.0	1.0	330	65.9
914	B50R_075.050ad	0.375	0.875	0.375	0.875	59.9	0.0	0.0	1.0	330	59.9
915	B50R_075.062ad	0.25	0.875	0.25	0.875	54.0	0.0	0.0	1.0	330	54.0
916	B50R_075.075ad	0.125	0.875	0.125	0.875	48.1	0.0	0.0	1.0	330	48.1
917	GOB_100.037ad	0.625	1.0	0.625	1.0	80.2	0.0	0.0	1.0	330	80.2
918	GOB_100.050ad	0.5	1.0	0.5	1.0	75.0	0.0	0.0	1.0	330	75.0
919	GOB_087.025ad	0.625	0.875	0.625	0.875	76.4	0.0	0.0	1.0	360	76.4
920	GOB_075.012ad	0.625	0.75	0.625	0.75	72.6	0.0	0.0	1.0	360	72.6
921	GOB_075.025ad	0.625	0.75	0.625	0.75	66.6	0.0	0.0	1.0	360	66.6
922	B50R_062.012ad	0.625	0.625	0.625	0.625	62.5	0.0	0.0	1.0	360	62.5
923	B50R_062.025ad	0.625	0.625	0.625	0.625	56.9	0.0	0.0	1.0	330	56.9
924	B50R_062.037ad	0.625	0.625	0.625	0.625	50.9	0.0	0.0	1.0	330	50.9
925	B50R_062.050ad	0.625	0.625	0.625	0.625	45.0	0.0	0.0	1.0	330	45.0
926	B50R_062.062ad	0.625	0.625	0.625	0.625	39.0	0.0	0.0	1.0	330	39.0
927	GOB_100.050ad	0.5	1.0	0.5	1.0	75.0	0.0	0.0	1.0	330	75.0
928	GOB_087.037ad	0.5	0.875	0.5	0.875	71.2	0.0	0.0	1.0	330	71.2
929	GOB_075.025ad	0.5	0.75	0.5	0.75	67.4	0.0	0.0	1.0	330	67.4
930	GOB_062.012ad	0.5	0.625	0.5	0.625	63.6	0.0	0.0	1.0	330	63.6
931	NW_050ad	0.5	0.5	0.5	0.5	59.8	0.0	0.0	1.0	360	59.8
932	B50R_050.012ad	0.5	0.375	0.5	0.375	55.8	0.0	0.0	1.0	360	55.8
933	B50R_050.025ad	0.5	0.25	0.5	0.25	50.9	0.0	0.0	1.0	330	50.9
934	B50R_050.037ad	0.5	0.125	0.5	0.125	45.1	0.0	0.0	1.0	330	45.1
935	B50R_050.050ad	0.5	0.0	0.5	0.0	40.0	0.0	0.0	1.0	330	40.0
936	GOB_100.062ad	0.375	1.0	0.375	1.0	80.2	0.0	0.0	1.0	360	80.2
937	GOB_087.050ad	0.375	0.875	0.375	0.875	76.9	0.0	0.0	1.0	360	76.9
938	GOB_075.037ad	0.375	0.75	0.375	0.75	71.2	0.0	0.0	1.0	360	71.2
939	GOB_062.025ad	0.375	0.625	0.375	0.625	65.3	0.0	0.0	1.0	360	65.3
940	NW_037ad	0.375	0.5	0.375	0.5	61.5	0.0	0.0	1.0	360	61.5
941	B50R_037.012ad	0.375	0.375	0.375	0.375	58.0	0.0	0.0	1.0	360	58.0
942	B50R_037.025ad	0.375	0.375	0.375	0.375	52.0	0.0	0.0	1.0	360	52.0
943	B50R_037.037ad	0.375	0.375	0.375	0.375	46.1	0.0	0.0	1.0	360	46.1
944	B50R_037.050ad	0.375	0.375	0.375	0.375	40.1	0.0	0.0	1.0	360	40.1
945	GOB_100.075ad	0.25	1.0	0.25	1.0	75.0	0.0	0.0	1.0	360	75.0
946	GOB_087.062ad	0.25	0.875	0.25	0.875	71.2	0.0	0.0	1.0	360	71.2
947	GOB_075.050ad	0.25	0.75	0.25	0.75	67.4	0.0	0.0	1.0	360	67.4
948	GOB_062.037ad	0.25	0.625	0.25	0.625	63.6	0.0	0.0	1.0	360	63.6
949	GOB_050.025ad	0.25	0.5	0.25	0.5	59.8	0.0	0.0	1.0	360	59.8
950	GOB_037.012ad	0.25	0.375	0.25	0.375	55.8	0.0	0.0	1.0	360	55.8
951	NW_025ad	0.25	0.25	0.25	0.25	51.9	0.0	0.0	1.0	360	51.9
952	B50R_025.012ad	0.25	0.125	0.25	0.125	48.1	0.0	0.0	1.0	360	48.1
953	B50R_025.025ad	0.25	0.125	0.25	0.125	42.1	0.0	0.0	1.0	360	42.1
954	GOB_100.087ad	0.125	1.0	0.125	1.0	90.6	0.0	0.0	1.0	360	90.6
955	GOB_087.075ad	0.125	0.875	0.125	0.875	86.8	0.0	0.0	1.0	360	86.8
956	GOB_075.062ad	0.125	0.75	0.125	0.75	80.8	0.0	0.0	1.0	360	80.8
957	GOB_062.050ad	0.125	0.625	0.125	0.625	74.9	0.0	0.0	1.0	360	74.9
958	GOB_050.037ad	0.125	0.5	0.125	0.5	68.9	0.0	0.0	1.0	360	68.9
959	GOB_037.025ad	0.125	0.375	0.125	0.375	63.0	0.0	0.0	1.0	360	63.0
960	GOB_025.012ad	0.125	0.25	0.125	0.25	57.0	0.0	0.0	1.0	360	57.0
961	NW_012ad	0.125	0.125	0.125	0.125	51.1	0.0	0.0	1.0	360	51.1
962	B50R_012.012ad	0.125	0.125	0.125	0.125	45.1	0.0	0.0	1.0	360	45.1
963	GOB_100.100ad	0.0	1.0	0.0	1.0	90.6	0.0	0.0	1.0	360	90.6
964	GOB_087.087ad	0.0	0.875	0.0	0.875	86.8	0.0	0.0	1.0	360	86.8
965	GOB_075.075ad	0.0	0.75	0.0	0.75	80.8	0.0	0.0	1.0	360	80.8
966	GOB_062.062ad	0.0	0.625	0.0	0.625	74.9	0.0	0.0	1.0	360	74.9
967	GOB_050.050ad	0.0	0.5	0.0	0.5	68.9	0.0	0.0	1.0	360	68.9
968	GOB_037.037ad	0.0	0.375	0.0	0.375	63.0	0.0	0.0	1.0	360	63.0
969	GOB_025.025ad	0.0	0.25	0.0	0.25	57.0	0.0	0.0	1.0	360	57.0
970	GOB_012.012ad	0.0	0.125	0.0	0.125	51.1	0.0	0.0	1.0	360	51.1
971	NW_000ad	0.0	0.0	0.0	0.0	45.1	0.0	0.0	1.0	360	45.1

QS990-7N, 31/33-F

gráfico TUB-QS99; código de tono: H*d=G50Bd
colores y diferencia en color, ΔE^* entrada: rgb/cmyk -> rgbd
salida: 3D-linealización a cmyk*dd



TUB material: code=rha4ta
cmyn6* (CMYK)

entrada: *rgb/cmyk* -> *rgb*_{dd}
salida: 3D-linealización a *cmyk*^{*}_{dd}

2-1033130-F0

α	HIC ⁺ Fold	rgb_Fold	icr_Fold	hsa_Fold	rgb ⁺ Fold	LabCh ⁺ Fold	cmvyr ⁺ sep_Fold	hsa_cxld	rgb ⁺ cxld	LabCh ⁺ cxld
9772	NW_0000ad	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0
9773	NW_0124ad	0.125	0.125	0.125	0.125	23.8	0.0	360	1.0	1.0
9774	NW_0250ad	0.25	0.25	0.125	0.125	32.8	0.0	360	1.0	1.0
9775	NW_0375ad	0.375	0.375	0.25	0.25	41.8	0.0	360	1.0	1.0
9776	NW_0500ad	0.5	0.5	0.375	0.375	50.8	0.0	360	1.0	1.0
9777	NW_0624ad	0.625	0.625	0.5	0.5	59.8	0.0	360	1.0	1.0
9778	NW_0750ad	0.75	0.75	0.625	0.625	68.8	0.0	360	1.0	1.0
9779	NW_0875ad	0.875	0.875	0.75	0.75	77.8	0.0	360	1.0	1.0
9780	NW_1000ad	1.0	1.0	1.0	0.875	86.8	0.0	360	1.0	1.0
9781	NW_0000ad	0.0	0.0	0.0	0.0	23.8	0.0	360	1.0	1.0
9782	NW_0124ad	0.125	0.125	0.125	0.0	23.8	0.0	360	1.0	1.0
9783	NW_0250ad	0.25	0.25	0.125	0.125	32.8	0.054	360	1.0	1.0
9784	NW_0375ad	0.375	0.375	0.25	0.25	41.8	0.032	360	1.0	1.0
9785	NW_0500ad	0.5	0.5	0.375	0.375	50.8	0.029	360	1.0	1.0
9786	NW_0624ad	0.625	0.625	0.5	0.5	59.8	0.028	360	1.0	1.0
9787	NW_0750ad	0.75	0.75	0.625	0.625	68.8	0.015	360	1.0	1.0
9788	NW_0875ad	0.875	0.875	0.75	0.75	77.8	0.017	360	1.0	1.0
9789	NW_1000ad	1.0	1.0	1.0	0.875	86.8	0.0	360	1.0	1.0
9790	NW_0000ad	0.0	0.0	0.0	0.0	23.8	0.0	360	1.0	1.0
9791	NW_0124ad	0.125	0.125	0.125	0.0	23.8	0.0	360	1.0	1.0
9792	NW_0250ad	0.25	0.25	0.125	0.125	32.8	0.054	360	1.0	1.0
9793	NW_0375ad	0.375	0.375	0.25	0.25	41.8	0.032	360	1.0	1.0
9794	NW_0500ad	0.5	0.5	0.375	0.375	50.8	0.026	360	1.0	1.0
9795	NW_0624ad	0.625	0.625	0.5	0.5	59.8	0.029	360	1.0	1.0
9796	NW_0750ad	0.75	0.75	0.625	0.625	68.8	0.028	360	1.0	1.0
9797	NW_0875ad	0.875	0.875	0.75	0.75	77.8	0.015	360	1.0	1.0
9798	NW_1000ad	1.0	1.0	1.0	0.875	86.8	0.017	360	1.0	1.0
9799	NW_0000ad	0.0	0.0	0.0	0.0	23.8	0.0	360	1.0	1.0
9800	NW_0124ad	0.125	0.125	0.125	0.0	23.8	0.0	360	1.0	1.0
9801	NW_0250ad	0.25	0.25	0.125	0.125	32.8	0.11	360	1.0	1.0
9802	NW_0375ad	0.375	0.375	0.25	0.25	41.8	0.082	360	1.0	1.0
9803	NW_0500ad	0.5	0.5	0.375	0.375	50.8	0.059	360	1.0	1.0
9804	NW_0624ad	0.625	0.625	0.5	0.5	59.8	0.031	360	1.0	1.0
9805	NW_0750ad	0.75	0.75	0.625	0.625	68.8	0.028	360	1.0	1.0
9806	NW_0875ad	0.875	0.875	0.75	0.75	77.8	0.015	360	1.0	1.0
9807	NW_1000ad	1.0	1.0	1.0	0.875	86.8	0.018	360	1.0	1.0
9808	NW_0000ad	0.0	0.0	0.0	0.0	23.8	0.0	360	1.0	1.0
9809	NW_0124ad	0.125	0.125	0.125	0.0	23.8	0.0	360	1.0	1.0
9810	NW_0250ad	0.25	0.25	0.125	0.125	32.8	0.0815	360	1.0	1.0
9811	NW_0375ad	0.375	0.375	0.25	0.25	41.8	0.0716	360	1.0	1.0
9812	NW_0500ad	0.5	0.5	0.375	0.375	50.8	0.052	360	1.0	1.0
9813	NW_0624ad	0.625	0.625	0.5	0.5	59.8	0.029	360	1.0	1.0
9814	NW_0750ad	0.75	0.75	0.625	0.625	68.8	0.031	360	1.0	1.0
9815	NW_0875ad	0.875	0.875	0.75	0.75	77.8	0.018	360	1.0	1.0
9816	NW_1000ad	1.0	1.0	1.0	0.875	86.8	0.0	360	1.0	1.0
9817	NW_0000ad	0.0	0.0	0.0	0.0	23.8	0.0	360	1.0	1.0
9818	NW_0124ad	0.125	0.125	0.125	0.0	23.8	0.0	360	1.0	1.0
9819	NW_0250ad	0.25	0.25	0.125	0.125	32.8	0.11	360	1.0	1.0
9820	NW_0375ad	0.375	0.375	0.25	0.25	41.8	0.082	360	1.0	1.0
9821	NW_0500ad	0.5	0.5	0.375	0.375	50.8	0.059	360	1.0	1.0
9822	NW_0624ad	0.625	0.625	0.5	0.5	59.8	0.031	360	1.0	1.0
9823	NW_0750ad	0.75	0.75	0.625	0.625	68.8	0.028	360	1.0	1.0
9824	NW_0875ad	0.875	0.875	0.75	0.75	77.8	0.015	360	1.0	1.0
9825	NW_1000ad	1.0	1.0	1.0	0.875	86.8	0.017	360	1.0	1.0
9826	NW_0000ad	0.0	0.0	0.0	0.0	23.8	0.0	360	1.0	1.0
9827	NW_0124ad	0.125	0.125	0.125	0.0	23.8	0.0	360	1.0	1.0
9828	NW_0250ad	0.25	0.25	0.125	0.125	32.8	0.0815	360	1.0	1.0
9829	NW_0375ad	0.375	0.375	0.25	0.25	41.8	0.0716	360	1.0	1.0
9830	NW_0500ad	0.5	0.5	0.375	0.375	50.8	0.052	360	1.0	1.0
9831	NW_0624ad	0.625	0.625	0.5	0.5	59.8	0.029	360	1.0	1.0
9832	NW_0750ad	0.75	0.75	0.625	0.625	68.8	0.031	360	1.0	1.0
9833	NW_0875ad	0.875	0.875	0.75	0.75	77.8	0.018	360	1.0	1.0
9834	NW_1000ad	1.0	1.0	1.0	0.875	86.8	0.0	360	1.0	1.0
9835	NW_0000ad	0.0	0.0	0.0	0.0	23.8	0.0	360	1.0	1.0
9836	NW_0124ad	0.125	0.125	0.125	0.0	23.8	0.0	360	1.0	1.0
9837	NW_0250ad	0.25	0.25	0.125	0.125	32.8	0.11	360	1.0	1.0
9838	NW_0375ad	0.375	0.375	0.25	0.25	41.8	0.082	360	1.0	1.0
9839	NW_0500ad	0.5	0.5	0.375	0.375	50.8	0.059	360	1.0	1.0
9840	NW_0624ad	0.625	0.625	0.5	0.5	59.8	0.031	360	1.0	1.0
9841	NW_0750ad	0.75	0.75	0.625	0.625	68.8	0.028	360	1.0	1.0
9842	NW_0875ad	0.875	0.875	0.75	0.75	77.8	0.015	360	1.0	1.0
9843	NW_1000ad	1.0	1.0	1.0	0.875	86.8	0.017	360	1.0	1.0
9844	NW_0000ad	0.0	0.0	0.0	0.0	23.8	0.0	360	1.0	1.0
9845	NW_0124ad	0.125	0.125	0.125	0.0	23.8	0.0	360	1.0	1.0
9846	NW_0250ad	0.25	0.25	0.125	0.125	32.8	0.0815	360	1.0	1.0
9847	NW_0375ad	0.375	0.375	0.25	0.25	41.8	0.0716	360	1.0	1.0
9848	NW_0500ad	0.5	0.5	0.375	0.375	50.8	0.052	360	1.0	1.0
9849	NW_0624ad	0.625	0.625	0.5	0.5	59.8	0.029	360	1.0	1.0
9850	NW_0750ad	0.75	0.75	0.625	0.625	68.8	0.031	360	1.0	1.0
9851	NW_0875ad	0.875	0.875	0.75	0.75	77.8	0.018	360	1.0	1.0
9852	NW_1000ad	1.0	1.0	1.0	0.875	86.8	0.0	360	1.0	1.0

n	HC*Fid	rgb_Fid	ic*_Fid	hsa_Fid	rgb*_Fid	LabCh*_Fid	cmyn*_sep_Fid	0.02	0.019	0.164	hsa_did	rgb*_did	LabCh*_did	0.0	0.016	0.103	360	1.0	1.0	95.8	0.0	0.0	0.0
1053	NW_086dd	0.866	0.866	0.866	0.866	86.1	0.0	0.0	0.0	0.0	360	1.0	95.8	0.0	0.0	0.0	360	1.0	1.0	95.8	0.0	0.0	0.0
1054	NW_093dd	0.933	0.933	0.933	0.933	91.0	0.0	0.0	0.0	0.0	360	1.0	95.8	0.0	0.0	0.0	360	1.0	1.0	95.8	0.0	0.0	0.0
1055	NW_100dd	1.0	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	360	1.0	95.8	0.0	0.0	0.0	360	1.0	1.0	95.8	0.0	0.0	0.0
1056	NW_006dd	0.066	0.066	0.066	0.066	28.6	0.0	0.0	0.0	0.0	360	1.0	95.8	0.0	0.0	0.0	360	1.0	1.0	95.8	0.0	0.0	0.0
1057	NW_006dd	0.066	0.066	0.066	0.066	28.6	0.0	0.0	0.0	0.0	360	1.0	95.8	0.0	0.0	0.0	360	1.0	1.0	95.8	0.0	0.0	0.0
1058	NW_013dd	0.133	0.133	0.133	0.133	33.4	0.0	0.0	0.0	0.0	360	1.0	95.8	0.0	0.0	0.0	360	1.0	1.0	95.8	0.0	0.0	0.0
1059	NW_026dd	0.266	0.266	0.266	0.266	42.9	0.0	0.0	0.0	0.0	360	1.0	95.8	0.0	0.0	0.0	360	1.0	1.0	95.8	0.0	0.0	0.0
1060	NW_026dd	0.266	0.266	0.266	0.266	42.9	0.0	0.0	0.0	0.0	360	1.0	95.8	0.0	0.0	0.0	360	1.0	1.0	95.8	0.0	0.0	0.0
1061	NW_033dd	0.333	0.333	0.333	0.333	47.8	0.0	0.0	0.0	0.0	360	1.0	95.8	0.0	0.0	0.0	360	1.0	1.0	95.8	0.0	0.0	0.0
1062	NW_040dd	0.4	0.4	0.4	0.4	52.6	0.0	0.0	0.0	0.0	360	1.0	95.8	0.0	0.0	0.0	360	1.0	1.0	95.8	0.0	0.0	0.0
1063	NW_046dd	0.466	0.466	0.466	0.466	57.3	0.0	0.0	0.0	0.0	360	1.0	95.8	0.0	0.0	0.0	360	1.0	1.0	95.8	0.0	0.0	0.0
1064	NW_053dd	0.533	0.533	0.533	0.533	62.2	0.0	0.0	0.0	0.0	360	1.0	95.8	0.0	0.0	0.0	360	1.0	1.0	95.8	0.0	0.0	0.0
1065	NW_060dd	0.6	0.6	0.6	0.6	67.0	0.0	0.0	0.0	0.0	360	1.0	95.8	0.0	0.0	0.0	360	1.0	1.0	95.8	0.0	0.0	0.0
1066	NW_066dd	0.666	0.666	0.666	0.666	71.7	0.0	0.0	0.0	0.0	360	1.0	95.8	0.0	0.0	0.0	360	1.0	1.0	95.8	0.0	0.0	0.0
1067	NW_073dd	0.734	0.734	0.734	0.734	76.6	0.0	0.0	0.0	0.0	360	1.0	95.8	0.0	0.0	0.0	360	1.0	1.0	95.8	0.0	0.0	0.0
1068	NW_086dd	0.8	0.8	0.8	0.8	81.4	0.0	0.0	0.0	0.0	360	1.0	95.8	0.0	0.0	0.0	360	1.0	1.0	95.8	0.0	0.0	0.0
1069	NW_086dd	0.866	0.866	0.866	0.866	86.1	0.0	0.0	0.0	0.0	360	1.0	95.8	0.0	0.0	0.0	360	1.0	1.0	95.8	0.0	0.0	0.0
1070	NW_093dd	0.933	0.933	0.933	0.933	91.0	0.0	0.0	0.0	0.0	360	1.0	95.8	0.0	0.0	0.0	360	1.0	1.0	95.8	0.0	0.0	0.0
1071	NW_100dd	1.0	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	360	1.0	95.8	0.0	0.0	0.0	360	1.0	1.0	95.8	0.0	0.0	0.0
1072	NW_000dd	0.0	0.0	0.0	0.0	23.8	0.0	0.0	0.0	0.0	360	1.0	95.8	0.0	0.0	0.0	360	1.0	1.0	95.8	0.0	0.0	0.0
1073	NW_100dd	1.0	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	360	1.0	95.8	0.0	0.0	0.0	360	1.0	1.0	95.8	0.0	0.0	0.0
1074	ROY_100_100dd	1.0	0.0	1.0	1.0	47.5	57.2	37.8	0.0	0.0	389	1.0	0.0	53.1	37.8	0.0	210	0.0	0.0	53.1	37.8	0.0	0.0
1075	G50B_100_100dd	0.0	1.0	1.0	1.0	53.1	-30.0	-43.1	0.0	0.0	210	0.0	0.0	32.5	-43.1	0.0	89	1.0	1.0	32.5	-43.1	0.0	0.0
1076	Y06C_100_100dd	1.0	1.0	1.0	1.0	91.5	84.6	84.6	0.0	0.0	89	1.0	0.0	16.9	84.6	0.0	270	0.0	0.0	16.9	84.6	0.0	0.0
1077	B00R_100_100dd	0.0	1.0	1.0	0.0	24.5	16.9	16.9	0.0	0.0	270	0.0	0.0	54.3	16.9	0.0	340	0.0	0.0	54.3	16.9	0.0	0.0
1078	B00R_100_100dd	0.0	1.0	1.0	0.0	54.3	47.6	47.6	0.0	0.0	340	0.0	0.0	65.4	47.6	0.0	330	0.0	0.0	65.4	47.6	0.0	0.0
1079	B50R_100_100dd	1.0	0.0	1.0	1.0	48.1	65.4	-12.7	0.0	0.0	330	0.0	0.0	48.1	65.4	0.0	330	0.0	0.0	48.1	65.4	0.0	0.0

delta

QS990-7N, 33/33-F

gráfico TUB-QS99; código de tono: H*_d=G50Bd
colores y diferencia en color, ΔE^*

entrada: rgb/cmyk -> rgbd
salida: 3D-linealización a cmyk*dd

vea archivos semejantes: <http://130.149.60.45/~farbmetrik/QS99/QS99.HTM>
información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

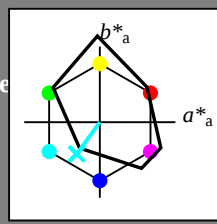
TUB matrícula: 20130201-QS99/QS99L0FP.PDF /.PS
aplicación para la medida salida de impresora láser

TUB material: code=rha4ta

Entrada i salida: Printer Reflective System FRS06a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 234/360 = 0.65$

$H^*_- = G50B_-$

Datos del dispositivo (d) o elemental (e) color:
 HIC^*_-
código de tono para les colore esta página:
 $H^*_- = G50B_-$
triángulo claridad T^*



FRS06a; datos adaptados CIELAB (a)

name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R-,Ma	32.5	62.3	46.4	77.7	36
Y-,Ma	82.7	-3.1	113.9	114.0	91
G-,Ma	39.4	-61.8	45.8	76.9	143
C-,Ma	47.8	-26.8	-34.2	43.4	231
B-,Ma	10.1	55.1	-61.0	82.2	312
M-,Ma	34.5	80.6	-33.9	87.5	337
N-,Ma	6.2	0.0	0.0	0.0	0
W-,Ma	91.9	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

Los datos de color máximo (Ma):

$LabCh^*_- ,Ma$: 63 -30 -42 51 234

HIC^*_- ,Ma : G50B_100_100-

$rgbic^*_- ,Ma$:

0.0 1.0 1.0 1.0 1.0

triángulo claridad T^*

% Gama
 $u^*_{rel} = 114$
% Regularidad
 $g^*_{H,rel} = 28$
 $g^*_{C,rel} = 38$

ORS20a; datos adaptados CIELAB (a)

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

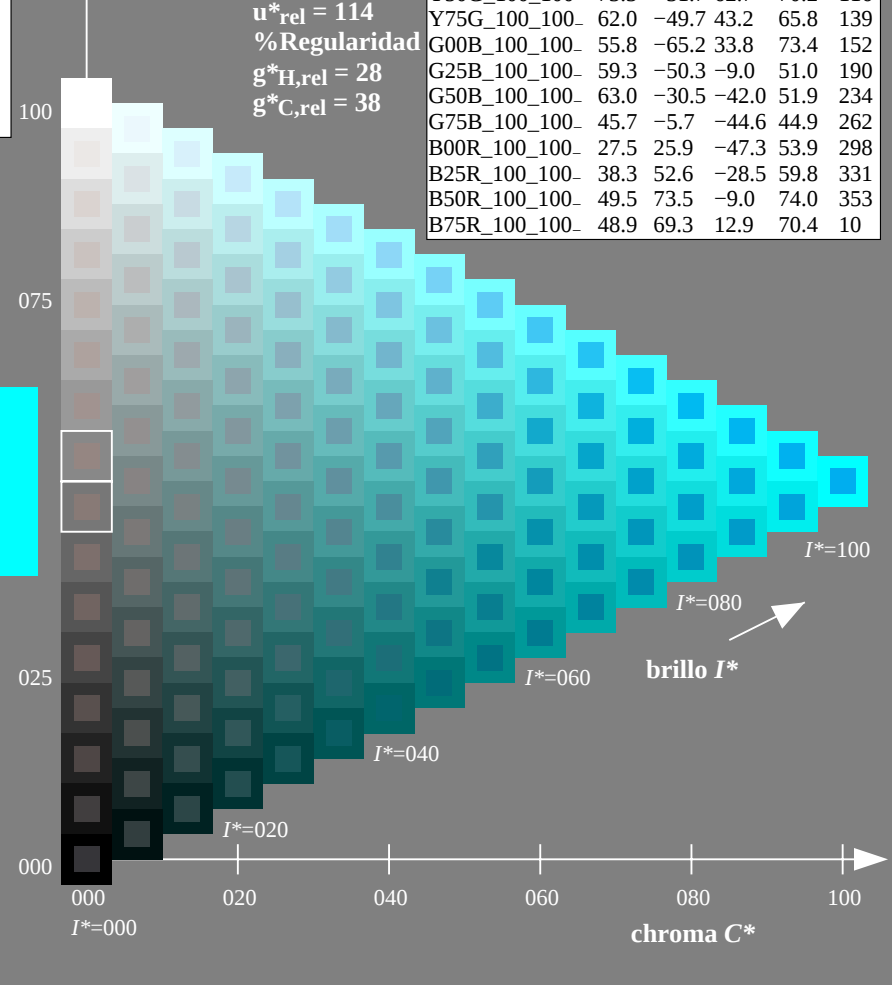
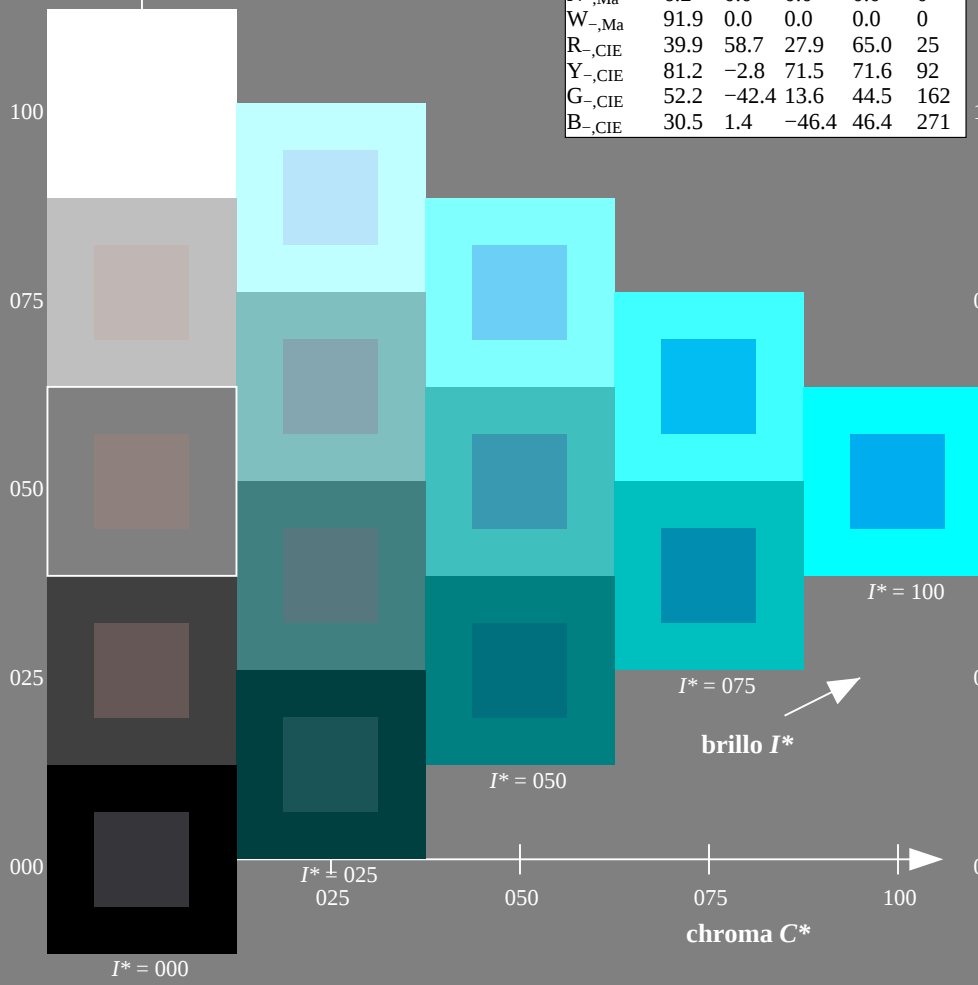


gráfico TUB-QS99; código de tono: $H^*_- = G50B_-$
gráfico según a DIN 33872, 3D=1, de=1, cmk^*

entrada: $rgb/cmyk \rightarrow rgb/cmyk$
salida: ningún cambio

Entrada i salida: Printer Reflective System FRS06a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 216/360 = 0.6$

$H^*_e = G50B_e$

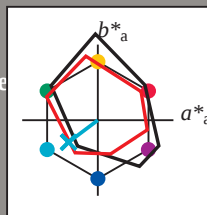
Datos del dispositivo (d) o elemental (e) color:

HIC^*_e

código de tono para los colores
esta página:

$H^*_e = G50B_e$

triángulo claridad T^*



LRS18a; datos adaptados CIELAB (a)

name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _e ,Ma	47.5	56.0	26.7	62.1	25
Y _e ,Ma	83.6	-3.1	76.8	76.9	92
G _e ,Ma	53.8	-65.9	21.1	69.2	162
C _e ,Ma	54.9	-38.7	-29.1	48.4	216
B _e ,Ma	37.3	1.4	-48.6	48.7	271
M _e ,Ma	38.5	46.7	-28.5	54.7	328
N _e ,Ma	23.8	0.0	0.0	0.0	0
W _e ,Ma	95.8	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

Los datos de color máximo (Ma):

$LabCh^*_e, Ma$: 54 -38 -29 48 216

HIC^*_e, Ma : G50B_100_100_e

$rgbic^*_e, Ma$:

0.0 1.0 0.79 1.0 1.0

triángulo claridad T^*

% Gama

$u^*_{rel} = 114$

% Regularidad

$g^*_{H,rel} = 28$

$g^*_{C,rel} = 38$

LRS18a; datos adaptados CIELAB (a)

H^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100 _e	47.5	56.0	26.7	62.1	25
R25Y_100_100 _e	51.4	54.8	47.7	72.6	41
R50Y_100_100 _e	61.8	35.2	58.4	68.2	58
R75Y_100_100 _e	72.3	16.1	68.2	70.1	76
Y00G_100_100 _e	83.6	-3.1	76.8	76.9	92
Y25G_100_100 _e	85.8	-26.4	78.5	82.9	108
Y50G_100_100 _e	71.0	-41.7	54.8	68.9	127
Y75G_100_100 _e	59.9	-58.2	39.3	70.2	145
G00B_100_100 _e	53.8	-65.9	21.1	69.2	162
G25B_100_100 _e	55.0	-51.6	-8.7	52.3	189
G50B_100_100 _e	54.9	-38.7	-29.1	48.4	216
G75B_100_100 _e	51.7	-23.3	-48.6	53.9	244
B00R_100_100 _e	37.3	1.4	-48.6	48.7	271
B25R_100_100 _e	31.5	24.4	-41.9	48.5	300
B50R_100_100 _e	38.5	46.7	-28.5	54.7	328
B75R_100_100 _e	49.4	65.5	-9.1	66.2	352

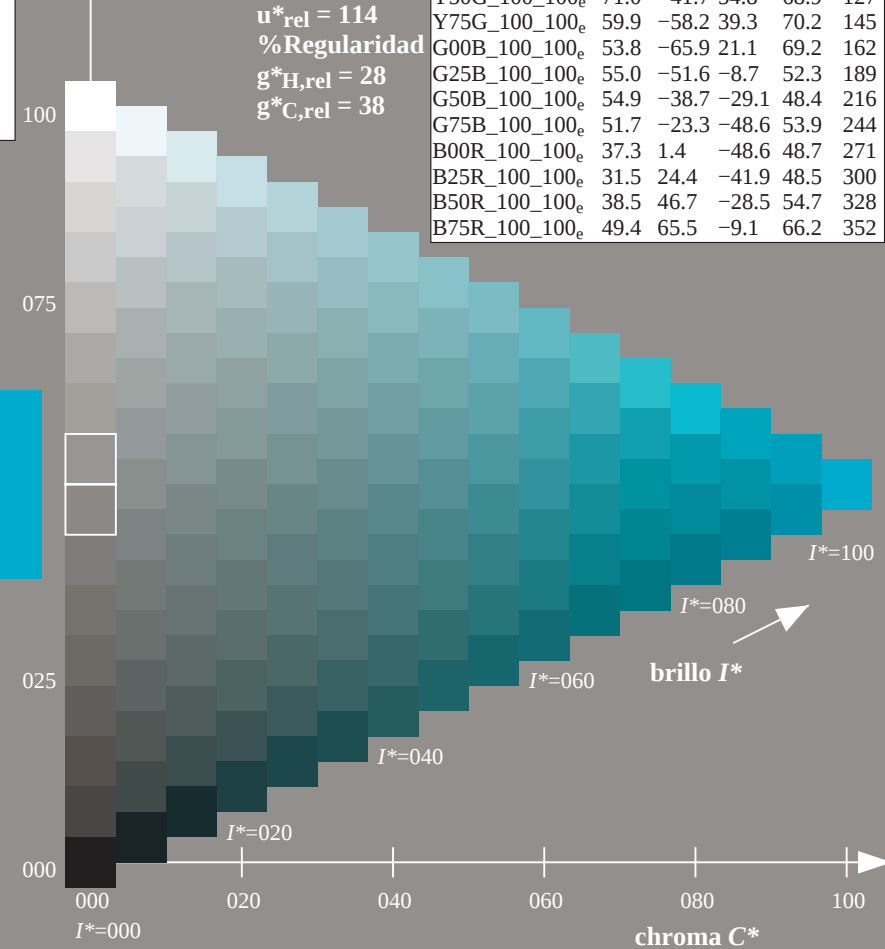
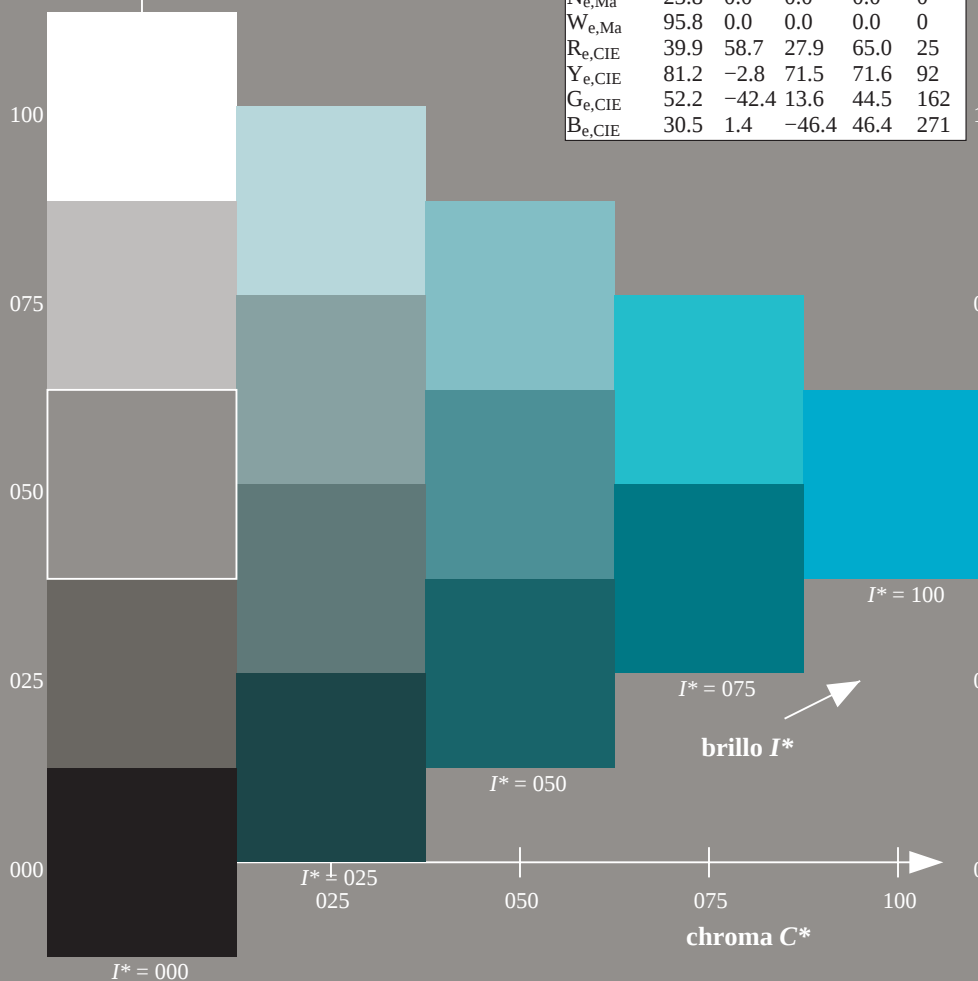
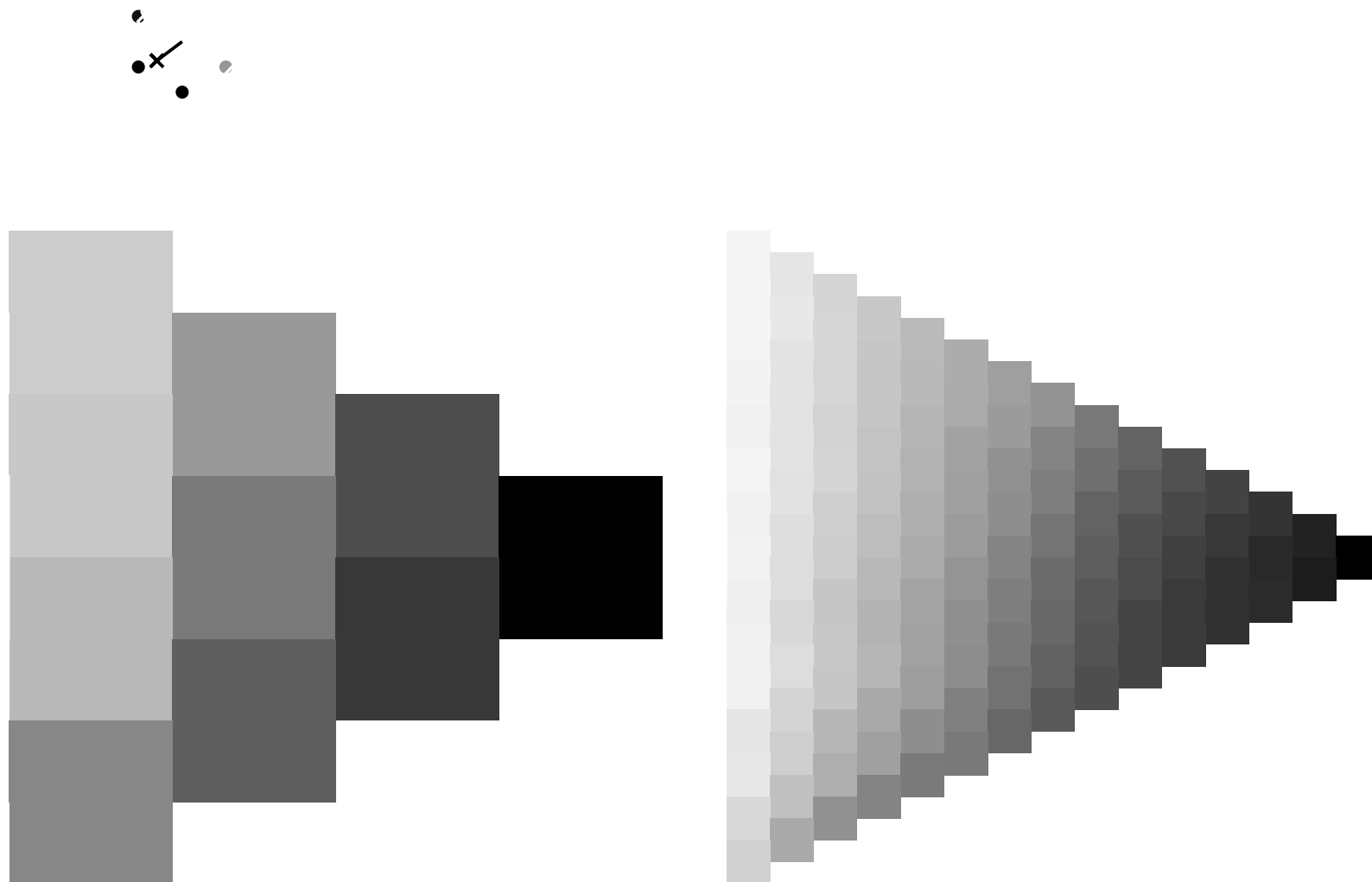


gráfico TUB-QS99; código de tono: $H^*_e=G50B_e$
gráfico según a DIN 33872, 3D=1, de=1, $cmyk^*$

entrada: $rgb/cmyk \rightarrow rgb_{de}$
salida: 3D-linealización a $cmyk^*_{de}$



Entrada i salida: Printer Reflective System FRS06a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 216/360 = 0.6$

$H^*_e = G50B_e$

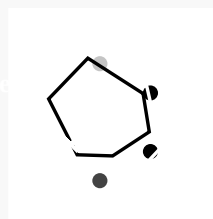
Datos del dispositivo (d) o
elemental (e) color:

HIC^*_e

código de tono para los colores
esta página:

$H^*_e = G50B_e$

triángulo claridad T^*



Los datos de color máximo (Ma):

$LabCh^*_{e,Ma}$: 54 -38 -29 -48 216

$HIC^*_{e,Ma}$: G50B_100_100_e

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

0.0 1.0 0.79 1.0 1.0

triángulo claridad T^*

%Gama

$u^*_{rel} = 114$

%Regularidad

$g^*H_{rel} = 26$

$g^*C_{rel} = 38$



2-113330-L0 QS990-73
gráfico TUB-QS99; código de tono: $H^*_e=G50B_e$
gráfico según a DIN 33872, 3D=1, de=1, $cmYk^*$

entrada: $rgb/cmyk \rightarrow rgb_{de}$
salida: 3D-linealización a $cmYk^*_{de}$

Entrada i salida: Printer Reflective System FRS06a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 216/360 = 0.6$

$H^*_e = G50B_e$

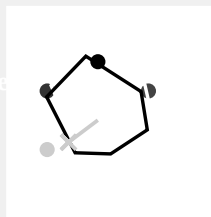
Datos del dispositivo (d) o
elemental (e) color:

HIC^*_e

código de tono para los colores
esta página:

$H^*_e = G50B_e$

triángulo claridad T^*



Los datos de color máximo (Ma):

$LabCh^*_{e,Ma}$: 54 -38 -29 48 216

$HIC^*_{e,Ma}$: G50B_100_100_e

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

0.0 1.0 0.79 1.0 1.0

triángulo claridad T^*

%Gama

$u^*_{rel} = 114$

%Regularidad

$g^*_{H,rel} = 28$

$g^*_{C,rel} = 38$

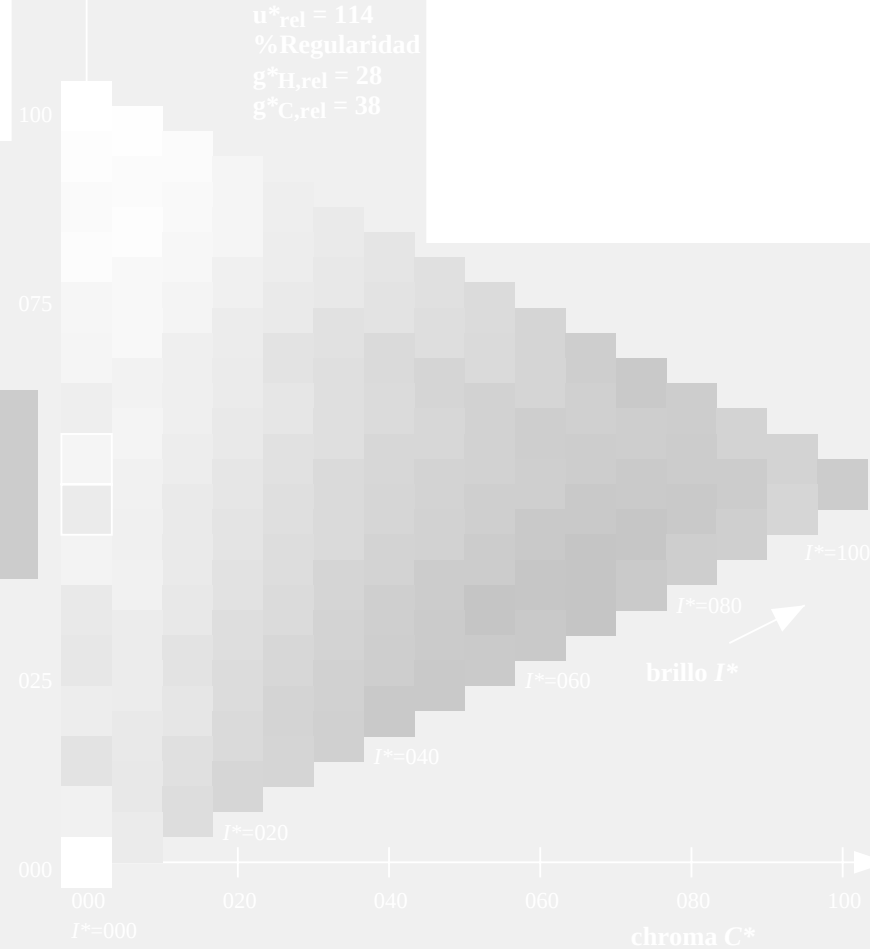


gráfico TUB-QS99; código de tono: $H^*_e = G50B_e$
gráfico según a DIN 33872, 3D=1, $de=1$, $cmYK^*$

entrada: $rgb/cmyk \rightarrow rgb_{de}$
salida: 3D-linealización a $cmyk^*_{de}$

Entrada i salida: Printer Reflective System FRS06a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 216/360 = 0.6$

$H^*_e = G50B_e$

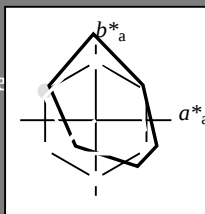
Datos del dispositivo (d) o elemental (e) color:

HIC^*_e

código de tono para los colores
esta página:

$H^*_e = G50B_e$

triángulo claridad T^*



LRS18a; datos adaptados CIELAB (a)					
name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_e, Ma	47.5	56.0	26.7	62.1	25
Y_e, Ma	83.6	-3.1	76.8	76.9	92
G_e, Ma	53.8	-65.9	21.1	69.2	162
C_e, Ma	54.9	-38.7	-29.1	48.4	216
B_e, Ma	37.3	1.4	-48.6	48.7	271
M_e, Ma	38.5	46.7	-28.5	54.7	328
N_e, Ma	23.8	0.0	0.0	0.0	0
W_e, Ma	95.8	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

Los datos de color máximo (Ma):

$LabCh^*_{e, Ma}$: 54 -38 -29 48 216

$HIC^*_{e, Ma}$: G50B_100_100_e

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

0.0 1.0 0.79 1.0 1.0

triángulo claridad T^*

% Gama

$u^*_{rel} = 114$

% Regularidad

$g^*_{H, rel} = 28$

$g^*_{C, rel} = 38$

LRS18a; datos adaptados CIELAB (a)					
H^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R00Y_100_100_e$	47.5	56.0	26.7	62.1	25
$R25Y_100_100_e$	51.4	54.8	47.7	72.6	41
$R50Y_100_100_e$	61.8	35.2	58.4	68.2	58
$R75Y_100_100_e$	72.3	16.1	68.2	70.1	76
$Y00G_100_100_e$	83.6	-3.1	76.8	76.9	92
$Y25G_100_100_e$	85.8	-26.4	78.5	82.9	108
$Y50G_100_100_e$	71.0	-41.7	54.8	68.9	127
$Y75G_100_100_e$	59.9	-58.2	39.3	70.2	145
$G00B_100_100_e$	53.8	-65.9	21.1	69.2	162
$G25B_100_100_e$	55.0	-51.6	-8.7	52.3	189
$G50B_100_100_e$	54.9	-38.7	-29.1	48.4	216
$G75B_100_100_e$	51.7	-23.3	-48.6	53.9	244
$B00R_100_100_e$	37.3	1.4	-48.6	48.7	271
$B25R_100_100_e$	31.5	24.4	-41.9	48.5	300
$B50R_100_100_e$	38.5	46.7	-28.5	54.7	328
$B75R_100_100_e$	49.4	65.5	-9.1	66.2	352

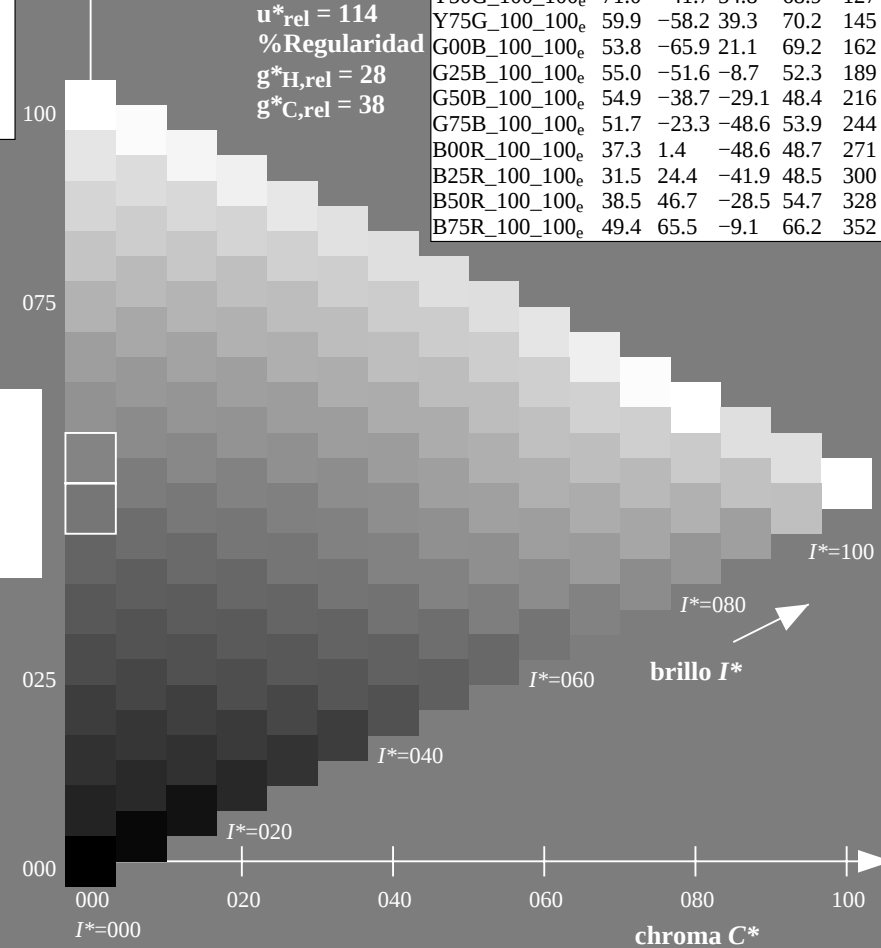
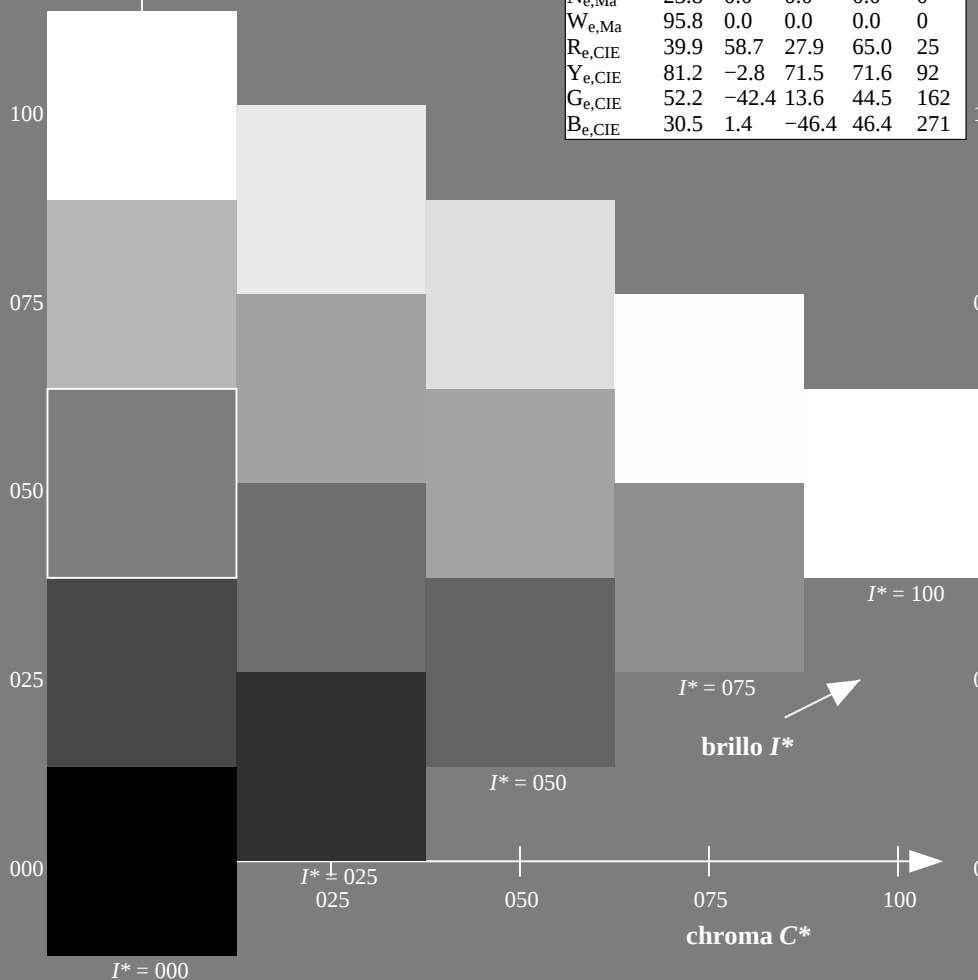


gráfico TUB-QS99; código de tono: $H^*_e = G50B_e$
gráfico según a DIN 33872, 3D=1, de=1, cmk^*

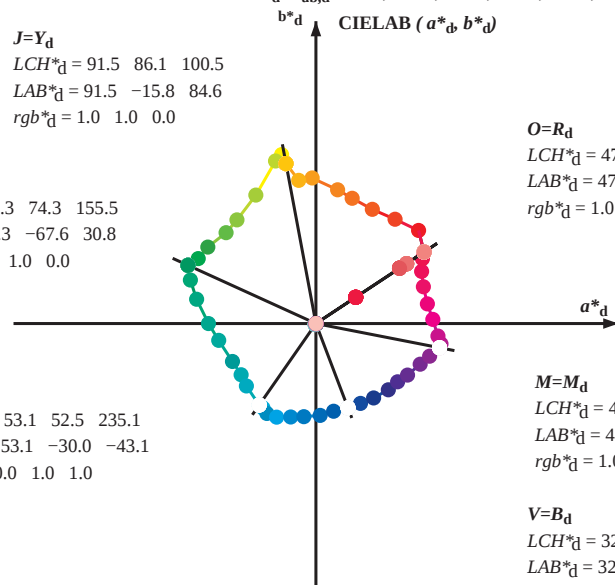
entrada: $rgb/cmyk \rightarrow rgb_{de}$
salida: 3D-linealización a cmk^*_{de}

Data of Maximum color M in colorimetric system Laser printer output; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGBM_s$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$; Six hue angles of the device colours $RYGBM_d$: $h_{ab,d} = 33.5, 100.6, 155.5, 235.2, 290.8, 348.9$; Six hue angles of the elementary colours $RYGBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$J=Y_d$
 $LCH^*_d = 91.5 \ 86.1 \ 100.5$
 $LAB^*_d = 91.5 \ -15.8 \ 84.6$
 $rgb^*_d = 1.0 \ 1.0 \ 0.0$

$L=G_d$
 $LCH^*_d = 54.3 \ 74.3 \ 155.5$
 $LAB^*_d = 54.3 \ -67.6 \ 30.8$
 $rgb^*_d = 0.0 \ 1.0 \ 0.0$

$C=C_d$
 $LCH^*_d = 53.1 \ 52.5 \ 235.1$
 $LAB^*_d = 53.1 \ -30.0 \ -43.1$
 $rgb^*_d = 0.0 \ 1.0 \ 1.0$



$O=R_d$
 $LCH^*_d = 47.5 \ 68.6 \ 33.4$
 $LAB^*_d = 47.5 \ 57.2 \ 37.8$
 $rgb^*_d = 1.0 \ 0.0 \ 0.0$

$M=M_d$
 $LCH^*_d = 48.1 \ 66.6 \ 348.9$
 $LAB^*_d = 48.1 \ 65.4 \ -12.7$
 $rgb^*_d = 1.0 \ 0.0 \ 1.0$

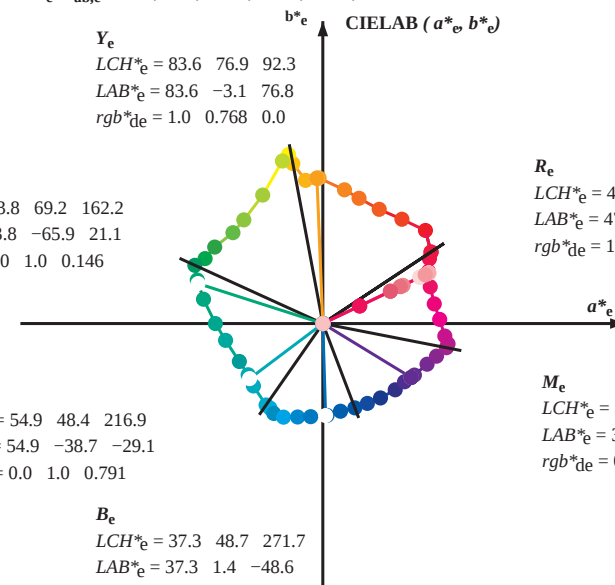
$V=B_d$
 $LCH^*_d = 32.5 \ 47.7 \ 290.8$
 $LAB^*_d = 32.5 \ 16.9 \ -44.6$
 $rgb^*_d = 0.0 \ 0.0 \ 1.0$

Y_e
 $LCH^*_e = 83.6 \ 76.9 \ 92.3$
 $LAB^*_e = 83.6 \ -3.1 \ 76.8$
 $rgb^*_{de} = 1.0 \ 0.768 \ 0.0$

G_e
 $LCH^*_e = 53.8 \ 69.2 \ 162.2$
 $LAB^*_e = 53.8 \ -65.9 \ 21.1$
 $rgb^*_{de} = 0.0 \ 1.0 \ 0.146$

C_e
 $LCH^*_e = 54.9 \ 48.4 \ 216.9$
 $LAB^*_e = 54.9 \ -38.7 \ -29.1$
 $rgb^*_{de} = 0.0 \ 1.0 \ 0.791$

B_e
 $LCH^*_e = 37.3 \ 48.7 \ 271.7$
 $LAB^*_e = 37.3 \ 1.4 \ -48.6$
 $rgb^*_{de} = 0.0 \ 0.261 \ 1.0$

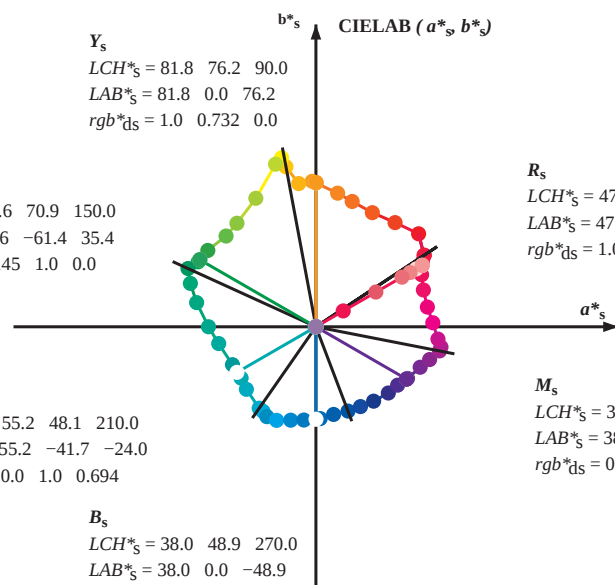


R_e
 $LCH^*_e = 47.5 \ 62.1 \ 25.4$
 $LAB^*_e = 47.5 \ 56.0 \ 26.7$
 $rgb^*_{de} = 1.0 \ 0.0 \ 0.263$

M_e
 $LCH^*_e = 38.5 \ 54.7 \ 328.6$
 $LAB^*_e = 38.5 \ 46.7 \ -28.5$
 $rgb^*_{de} = 0.584 \ 0.0 \ 1.0$

Y_s
 $LCH^*_s = 81.8 \ 76.2 \ 90.0$
 $LAB^*_s = 81.8 \ 0.0 \ 76.2$
 $rgb^*_{ds} = 1.0 \ 0.732 \ 0.0$

G_s
 $LCH^*_s = 57.6 \ 70.9 \ 150.0$
 $LAB^*_s = 57.6 \ -61.4 \ 35.4$
 $rgb^*_{ds} = 0.145 \ 1.0 \ 0.0$



R_s
 $LCH^*_s = 47.6 \ 65.0 \ 30.0$
 $LAB^*_s = 47.6 \ 56.3 \ 32.5$
 $rgb^*_{ds} = 1.0 \ 0.0 \ 0.157$

M_s
 $LCH^*_s = 38.9 \ 55.3 \ 330.0$
 $LAB^*_s = 38.9 \ 47.9 \ -27.6$
 $rgb^*_{ds} = 0.612 \ 0.0 \ 1.0$

C_s
 $LCH^*_s = 55.2 \ 48.1 \ 210.0$
 $LAB^*_s = 55.2 \ -41.7 \ -24.0$
 $rgb^*_{ds} = 0.0 \ 1.0 \ 0.694$

B_s
 $LCH^*_s = 38.0 \ 48.9 \ 270.0$
 $LAB^*_s = 38.0 \ 0.0 \ -48.9$
 $rgb^*_{ds} = 0.0 \ 0.283 \ 1.0$

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

$rgb^*_d, LCH^*_d, LAB^*_d$
 $h_{ab,s}, rgb^*_s$

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

$h_{ab,s}$

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

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

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

$h_{ab,e}$

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

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

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

$h_{ab,d}$

rgb^*_{de}

2-113630-L0 QS990-73 LAB*la0, YN=0%, XYZznw=3.9, 4.1, 4.1, 84.7, 89.6, 93.9, LAB*nw=23.9, 0.0, 0.0, 95.8, 0.0, 0.0

gráfico TUB-QS99; código de tono: $H^*_e=G50B_e$
círculo de tono, 48 pasos; $rgb-LabCh^*$ mesas

entrada: $rgb/cmyk \rightarrow rgb_{de}$
salida: 3D-linealización a $cmyk^*_{de}$

salida: Laser printer output; separation cmyn6*, D65, página 7/33

Data of Maximum color M in colorimetric system Laser printer output; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGBM_6$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 33.5, 100.6, 155.5, 235.2, 290.8, 348.9$; Six hue angles of the elementary colours $RYGBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd64M}	LAB^*_{ddx64M} (x=LabCh)	$rgb^*_{ddx361M}$	$LAB^*_{ddx361M}$ (x=LabCh)	$rgb^*_{dsx361M}$	$LAB^*_{dsx361M}$ (x=LabCh)	$rgb^*_{dex361M}$	$LAB^*_{dex361M}$ (x=LabCh)																								
33.4	30.0	25.4	1.0	0.0	0.0	47.5	57.2	37.9	68.6	33	1.0	0.0	0.0	47.5	57.2	37.9	68.6	33	1.0	0.0	0.158	47.7	56.3	32.5	65.0	30	1.0	0.0	0.263	47.6	56.1	26.7	62.1	25
42.1	37.5	33.8	1.0	0.125	0.0	51.9	54.3	49.2	73.2	42.1	1.0	0.117	0.0	51.7	54.6	48.5	73.0	41	1.0	0.0	0.05	49.4	56.3	42.4	70.5	37	1.0	0.0	0.012	47.6	57.2	37.5	68.4	33
52.8	45.0	42.1	1.0	0.25	0.0	58.2	41.8	55.1	69.2	52.8	1.0	0.25	0.0	58.3	41.8	55.2	69.2	52	1.0	0.158	0.0	53.6	51.1	51.1	72.2	45	1.0	0.125	0.0	52.0	54.3	49.2	73.3	42
63.7	52.5	50.5	1.0	0.375	0.0	64.6	29.8	60.4	67.3	63.7	1.0	0.367	0.0	64.2	30.6	60.1	67.5	63	1.0	0.24	0.0	57.8	42.8	54.8	69.6	52	1.0	0.216	0.0	56.6	45.2	53.9	70.3	49
73.8	60.0	58.8	1.0	0.5	0.0	70.5	19.2	66.2	69.0	73.8	1.0	0.5	0.0	70.5	19.2	66.3	69.0	73	1.0	0.332	0.0	62.5	34.0	58.9	68.0	60	1.0	0.32	0.0	61.8	35.2	58.4	68.2	58
80.7	67.5	67.2	1.0	0.625	0.0	74.9	11.4	70.7	71.6	80.7	1.0	0.617	0.0	74.6	12.0	70.5	71.5	80	1.0	0.416	0.0	66.6	26.5	62.5	67.9	67	1.0	0.412	0.0	66.4	26.9	62.3	67.9	66
91.5	75.0	75.6	1.0	0.75	0.0	82.9	-2.0	76.9	77.0	91.5	1.0	0.75	0.0	83.0	-1.9	77.0	77.0	-268	1.0	0.521	0.0	71.3	18.0	67.1	69.5	75	1.0	0.532	0.0	71.6	17.3	67.5	69.7	75
96.8	82.5	83.9	1.0	0.875	0.0	87.6	-9.0	75.7	76.3	96.8	1.0	0.867	0.0	87.3	-8.5	75.9	76.4	96	1.0	0.639	0.0	75.8	10.1	71.6	72.3	82	1.0	0.655	0.0	76.9	8.4	72.5	73.0	83
100.5	90.0	92.3	1.0	1.0	0.0	91.5	-15.8	84.6	86.1	100.5	1.0	1.0	0.0	91.6	-15.7	84.7	86.2	100	1.0	0.732	0.0	81.8	0.0	76.3	76.3	90	1.0	0.769	0.0	83.7	-3.0	76.8	76.9	92
101.4	97.5	101.0	0.875	1.0	0.0	92.8	-18.1	89.4	91.2	101.4	0.883	1.0	0.0	92.7	-17.9	89.1	90.9	101	1.0	0.88	0.0	87.8	-9.3	76.2	76.7	97	1.0	0.996	0.0	91.5	-15.5	84.4	85.8	100
103.9	105.0	109.7	0.75	1.0	0.0	90.1	-21.3	86.0	88.6	103.9	0.75	1.0	0.0	90.1	-21.3	86.0	88.7	103	0.738	1.0	0.0	89.2	-22.5	84.4	87.4	105	0.684	1.0	0.0	84.7	-27.5	76.7	81.5	109
115.0	112.5	118.5	0.625	1.0	0.0	79.9	-31.7	67.9	75.0	115.0	0.633	1.0	0.0	80.6	-31.1	69.2	75.9	114	0.659	1.0	0.0	82.7	-29.4	73.0	78.8	112	0.595	1.0	0.0	77.8	-34.4	65.0	73.6	117
127.3	120.0	127.2	0.5	1.0	0.0	70.9	-41.7	54.8	68.9	127.3	0.5	1.0	0.0	71.0	-41.7	54.8	68.9	127	0.574	1.0	0.0	76.3	-36.2	62.8	72.6	120	0.501	1.0	0.0	71.0	-41.6	54.9	68.9	127
134.7	127.5	136.0	0.375	1.0	0.0	66.5	-47.5	48.0	67.6	134.7	0.383	1.0	0.0	66.9	-47.1	48.5	67.7	134	0.503	1.0	0.0	71.2	-41.5	55.2	69.1	127	0.366	1.0	0.0	66.2	-48.2	47.6	67.8	135
144.7	135.0	144.7	0.25	1.0	0.0	60.6	-57.2	40.4	70.1	144.7	0.25	1.0	0.0	60.6	-57.2	40.5	70.1	144	0.372	1.0	0.0	66.4	-47.8	47.9	67.7	135	0.25	1.0	0.0	60.6	-57.1	40.5	70.1	144
151.0	142.5	153.4	0.125	1.0	0.0	57.0	-62.2	34.4	71.1	151.0	0.133	1.0	0.0	57.3	-61.8	34.8	71.0	150	0.284	1.0	0.0	62.3	-54.6	42.7	69.4	142	0.073	1.0	0.0	55.9	-64.4	33.0	72.5	152
155.5	150.0	162.2	0.0	1.0	0.0	54.3	-67.6	30.8	74.3	155.5	0.0	1.0	0.0	54.3	-67.6	30.8	74.4	155	0.146	1.0	0.0	57.6	-61.3	35.5	70.9	150	0.0	1.0	0.147	53.8	-65.9	21.1	69.3	162
160.8	157.5	169.0	0.0	1.0	0.125	53.8	-66.4	23.0	70.2	160.8	0.0	1.0	0.117	53.9	-66.4	23.5	70.6	160	0.0	1.0	0.035	54.2	-67.3	28.6	73.2	157	0.0	1.0	0.251	53.8	-63.0	12.7	64.4	168
168.5	165.0	175.9	0.0	1.0	0.25	53.7	-63.1	12.8	64.4	168.5	0.0	1.0	0.25	53.8	-63.1	12.8	64.4	168	0.0	1.0	0.192	53.8	-64.7	17.4	67.1	165	0.0	1.0	0.331	54.4	-59.3	4.2	59.5	175
179.9	172.5	182.7	0.0	1.0	0.375	54.7	-56.8	0.0	56.8	179.9	0.0	1.0	0.367	54.7	-57.2	0.8	57.3	179	0.0	1.0	0.288	54.1	-61.4	8.6	62.1	172	0.0	1.0	0.405	54.8	-55.6	-2.1	55.7	182
189.8	180.0	189.6	0.0	1.0	0.5	55.0	-51.4	-8.9	52.2	189.8	0.0	1.0	0.5	55.0	-51.4	-8.8	52.2	189	0.0	1.0	0.375	54.8	-56.7	0.0	56.8	180	0.0	1.0	0.497	55.0	-51.5	-8.6	52.3	189
204.4	187.5	196.4	0.0	1.0	0.625	55.3	-44.1	-20.0	48.5	204.4	0.0	1.0	0.617	55.3	-44.6	-19.3	48.8	203	0.0	1.0	0.464	55.0	-53.0	-6.4	53.5	187	0.0	1.0	0.553	55.2	-48.6	-13.9	50.7	195
214.4	195.0	203.2	0.0	1.0	0.75	55.2	-39.5	-27.1	47.9	214.4	0.0	1.0	0.75	55.2	-39.4	-27.0	47.9	214	0.0	1.0	0.544	55.2	-49.1	-13.1	50.9	195	0.0	1.0	0.615	55.3	-44.7	-19.2	48.8	203
221.9	202.5	210.1	0.0	1.0	0.875	54.4	-36.7	-33.0	49.4	221.9	0.0	1.0	0.867	54.5	-36.9	-32.6	49.4	221	0.0	1.0	0.604	55.3	-45.5	-18.3	49.1	202	0.0	1.0	0.69	55.3	-41.8	-23.8	48.2	209
235.1	210.0	216.9	0.0	1.0	1.0	53.1	-30.0	-43.1	52.5	235.1	0.0	1.0	1.0	53.1	-29.9	-43.0	52.5	235	0.0	1.0	0.694	55.3	-41.6	-24.0	48.2	210	0.0	1.0	0.792	55.0	-38.6	-29.0	48.4	216
237.9	217.5	223.8	0.0	0.875	1.0	53.1	-27.9	-47.7	52.7	237.9	0.0	0.883	1.0	53.1	-28.0	-44.5	52.8	237	0.0	1.0	0.792	55.0	-38.6	-29.1	48.5	217	0.0	1.0	0.888	54.3	-36.1	-34.1	49.8	223
241.3	225.0	230.6	0.0	0.75	1.0	52.9	-25.9	-44.5	54.1	241.3	0.0	0.75	1.0	52.9	-25.8	-47.5	54.2	241	0.0	1.0	0.904	54.2	-35.4	-35.4	50.2	225	0.0	1.0	0.957	53.6	-32.5	-39.7	51.5	230
247.2	232.5	237.5	0.0	0.625	1.0	50.5	-20.8	-49.5	53.7	247.2	0.0	0.633	1.0	50.7	-21.1	-49.3	53.8	246	0.0	1.0	0.97	53.5	-31.8	-40.7	51.8	232	0.0	0.916	1.0	53.1	-28.6	-44.1	52.7	237
254.9	240.0	244.3	0.0	0.5	1.0	46.1	-13.3	-49.4	51.1	254.9	0.0	0.5	1.0	46.2	-13.2	-49.3	51.2	254	0.0	0.801	1.0	53.0	-26.7	-46.3	53.6	240	0.0	0.686	1.0	51.7	-23.3	-48.5	54.0	244
262.6	247.5	251.2	0.0	0.375	1.0	41.4	-6.3	-49.2	49.6	262.6	0.0	0.383	1.0	41.7	-6.7	-49.2	49.8	262	0.0	0.63	1.0	50.7	-20.9	-49.4	53.8	247	0.0	0.568	1.0	48.6	-17.2	-49.5	52.6	250
272.6	255.0	258.0	0.0	0.25	1.0	36.8	2.2	-48.5	48.6	272.6	0.0	0.25	1.0	36.9	2.2	-48.5	48.6	272	0.0	0.499	1.0	46.1	-13.1	-49.3	51.2	255	0.0	0.449	1.0	44.2	-10.4	-49.4	50.6	258
281.4	262.5	264.8	0.0	0.125	1.0	35.0	9.4	-46.3	47.3	281.4	0.0	0.133	1.0	35.2	8.9	-46.5	47.4	280	0.0	0.386	1.0	41.8	-6.8	-49.2	49.8	262	0.0	0.353	1.0	40.6	-4.7	-49.2	49.5	264
290.8	270.0	271.7	0.0	0.0	1.0	32.5	16.9	-44.6	47.7	290.8	0.0	0.0	1.0	32.6	16.9	-44.5	47.7	290	0.0	0.283	1.0	38.1	0.0	-48.8	48.9	270	0.0	0.261	1.0	37.3	1.5	-48.6	48.7	271
299.2	277.5	278.8	0.125	0.0	1.0	31.6	23.6	-42.2	48.4	299.2	0.117	0.0	1.0	31.7	23.2	-42.3	48.4	298	0.0	0.188	1.0	36.0	5.8	-47.5	48.0	277	0.0	0.169	1.0	35.7	7.0	-47.2	47.8	278
307.8	285.0	285.9	0.25	0.0	1.0	31.0	30.5	-39.3	49.8	307.8	0.25	0.0	1.0	31.0	30.6	-39.3	49.9	307	0.0	0.078	1.0	34.1	12.3	-45.8	47.5	285	0.0	0.065	1.0	33.9	13.1	-45.6	47.5	285
317.5	292.5	293.0	0.375	0.0	1.0	34.2	38.2	-35.0	51.8	317.5	0.367	0.0	1.0	34.0	37.8	-35.3	51.7	316	0.018	0.0	1.0	32.4	17.9	-44.2	47.8	292	0.026	0.0	1.0	32.4	18.4	-44.1	47.9	292
324.4	300.0	300.1	0.5	0.0	1.0	37.2	43.1	-30.8	53.0	324.4	0.5	0.0	1.0	37.2	43.2	-30.8	53.1	324	0.136	0.0	1.0	31.6	24.3	-41.9	48.5	300	0.139	0.0	1.0	31.5	24.4	-41.9	48.6	300
330.6	307.5	307.2	0.625	0.0	1.0	39.1	48.4	-27.2	55.6	330.6	0.617	0.0	1.0	39.0	48.1	-27.4	55.4	330	0.238	0.0	1.0	31.1	29.9	-39.6	49.									

Data of Maximum color M in colorimetric system Laser printer output; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGCBM_s$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 33.5, 100.6, 155.5, 235.2, 290.8, 348.9$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd64M}	$LAB^*_{ddx64M}(x=LabCh)$	$rgb^*_{dex361M}$	$LAB^*_{dex361M}$
33.4	30.0	25.4	1.0 0.0 0.0	47.5 57.2 37.8 68.6 33.4	1.0 0.0 0.263 47.6	56.1 26.7 62.1 25
42.1	37.5	33.8	1.0 0.125 0.0	51.9 54.3 49.2 73.2 42.1	1.0 0.0 0.012 47.6	57.2 37.5 68.4 33
52.8	45.0	42.1	1.0 0.25 0.0	58.2 41.8 55.1 69.2 52.8	1.0 0.125 0.0	52.0 54.3 49.2 73.3 42
63.7	52.5	50.5	1.0 0.375 0.0	64.6 29.8 60.4 67.3 63.7	1.0 0.216 0.0	56.6 45.2 53.9 70.3 49
73.8	60.0	58.8	1.0 0.5 0.0	70.5 19.2 66.2 69.0 73.8	1.0 0.32 0.0	61.8 35.2 58.4 68.2 58
80.7	67.5	67.2	1.0 0.625 0.0	74.9 11.4 70.7 71.6 80.7	1.0 0.412 0.0	66.4 26.9 62.3 67.9 66
91.5	75.0	75.6	1.0 0.75 0.0	82.9 -2.0 76.9 77.0 91.5	1.0 0.532 0.0	71.6 17.3 67.5 69.7 75
96.8	82.5	83.9	1.0 0.875 0.0	87.6 -9.0 75.7 76.3 96.8	1.0 0.655 0.0	76.9 8.4 72.5 73.0 83
100.5	90.0	92.3	1.0 1.0 0.0	91.5 -15.8 84.6 86.1 100.5	1.0 0.769 0.0	83.7 -3.0 76.8 76.9 92
101.4	97.5	101.0	0.875 1.0 0.0	92.8 -18.1 89.4 91.2 101.4	1.0 0.996 0.0	91.5 -15.5 84.4 85.8 100
103.9	105.0	109.7	0.75 1.0 0.0	90.1 -21.3 86.0 88.6 103.9	0.684 1.0 0.0	84.7 -27.5 76.7 81.5 109
115.0	112.5	118.5	0.625 1.0 0.0	79.9 -31.7 67.9 75.0 115.0	0.595 1.0 0.0	77.8 -34.4 65.0 73.6 117
127.3	120.0	127.2	0.5 1.0 0.0	70.9 -41.7 54.8 68.9 127.3	0.501 1.0 0.0	71.0 -41.6 54.9 68.9 127
134.7	127.5	136.0	0.375 1.0 0.0	66.5 -47.5 48.0 67.6 134.7	0.366 1.0 0.0	66.2 -48.2 47.6 67.8 135
144.7	135.0	144.7	0.25 1.0 0.0	60.6 -57.2 40.4 70.1 144.7	0.25 1.0 0.0	60.6 -57.1 40.5 70.1 144
151.0	142.5	153.4	0.125 1.0 0.0	57.0 -62.2 34.4 71.1 151.0	0.073 1.0 0.0	55.9 -64.4 33.0 72.5 152
155.5	150.0	162.2	0.0 1.0 0.0	54.3 -67.6 30.8 74.3 155.5	0.0 1.0 0.147 53.8	-65.9 21.1 69.3 162
160.8	157.5	169.0	0.0 1.0 0.125 53.8	-66.4 23.0 70.2 160.8	0.0 1.0 0.251 53.8	-63.0 12.7 64.4 168
168.5	165.0	175.9	0.0 1.0 0.25 53.7	-63.1 12.8 64.4 168.5	0.0 1.0 0.331 54.4	-59.3 4.2 59.5 175
179.9	172.5	182.7	0.0 1.0 0.375 54.7	-56.8 0.0 56.8 179.9	0.0 1.0 0.405 54.8	-55.6 -2.1 55.7 182
189.8	180.0	189.6	0.0 1.0 0.5 55.0	-51.4 -8.9 52.2 189.8	0.0 1.0 0.497 55.0	-51.5 -8.6 52.3 189
204.4	187.5	196.4	0.0 1.0 0.625 55.3	-44.1 -20.0 48.5 204.4	0.0 1.0 0.553 55.2	-48.6 -13.9 50.7 195
214.4	195.0	203.2	0.0 1.0 0.75 55.2	-39.5 -27.1 47.9 214.4	0.0 1.0 0.615 55.3	-44.7 -19.2 48.8 203
221.9	202.5	210.1	0.0 1.0 0.875 54.4	-36.7 -33.0 49.4 221.9	0.0 1.0 0.69 55.3	-41.8 -23.8 48.2 209
235.1	210.0	216.9	0.0 1.0 1.0 53.1	-30.0 -43.1 52.5 235.1	0.0 1.0 0.792 55.0	-38.6 -29.0 48.4 216
237.9	217.5	223.8	0.0 0.875 1.0 53.1	-27.9 -44.7 52.7 237.9	0.0 1.0 0.888 54.3	-36.1 -34.1 49.8 223
241.3	225.0	230.6	0.0 0.75 1.0 52.9	-25.9 -47.5 54.1 241.3	0.0 1.0 0.957 53.6	-32.5 -39.7 51.5 230
247.2	232.5	237.5	0.0 0.625 1.0 50.5	-20.8 -49.5 53.7 247.2	0.0 0.916 1.0 53.1	-28.6 -44.1 52.7 237
254.9	240.0	244.3	0.0 0.5 1.0 46.1	-13.3 -49.4 51.1 254.9	0.0 0.686 1.0 51.7	-23.3 -48.5 54.0 244
262.6	247.5	251.2	0.0 0.375 1.0 41.4	-6.3 -49.2 49.6 262.6	0.0 0.568 1.0 48.6	-17.2 -49.5 52.6 250
272.6	255.0	258.0	0.0 0.25 1.0 36.8	2.2 -48.5 48.6 272.6	0.0 0.449 1.0 44.2	-10.4 -49.4 50.6 258
281.4	262.5	264.8	0.0 0.125 1.0 35.0	9.4 -46.3 47.3 281.4	0.0 0.353 1.0 40.6	-4.7 -49.2 49.5 264
290.8	270.0	271.7	0.0 0.0 1.0 32.5	16.9 -44.6 47.7 290.8	0.0 0.261 1.0 37.3	1.5 -48.6 48.7 271
299.2	277.5	278.8	0.125 0.0 1.0 31.6	23.6 -42.2 48.4 299.2	0.0 0.169 1.0 35.7	7.0 -47.2 47.8 278
307.8	285.0	285.9	0.25 0.0 1.0 31.0	30.5 -39.3 49.8 307.8	0.0 0.065 1.0 33.9	13.1 -45.6 47.5 285
317.5	292.5	293.0	0.375 0.0 1.0 34.2	38.2 -35.0 51.8 317.5	0.026 0.0 1.0 32.4	18.4 -44.1 47.9 292
324.4	300.0	300.1	0.5 0.0 1.0 37.2	43.1 -30.8 53.0 324.4	0.139 0.0 1.0 31.5	24.4 -41.9 48.6 300
330.6	307.5	307.2	0.625 0.0 1.0 39.1	48.4 -27.2 55.6 330.6	0.235 0.0 1.0 31.1	29.8 -39.7 49.7 306
338.7	315.0	314.3	0.75 0.0 1.0 41.8	55.1 -21.4 59.1 338.7	0.335 0.0 1.0 33.2	35.8 -36.5 51.2 314
343.9	322.5	321.4	0.875 0.0 1.0 45.6	60.1 -17.3 62.6 343.9	0.439 0.0 1.0 35.8	40.8 -32.9 52.5 321
348.9	330.0	328.6	1.0 0.0 1.0 48.1	65.4 -12.7 66.6 348.9	0.584 0.0 1.0 38.5	46.8 -28.4 54.8 328
350.7	337.5	335.7	1.0 0.0 0.875 49.5	66.1 -10.7 67.0 350.7	0.696 0.0 1.0 40.7	52.3 -24.0 57.6 335
354.2	345.0	342.8	1.0 0.0 0.75 49.3	64.5 -6.5 64.8 354.2	0.848 0.0 1.0 44.9	59.1 -18.2 61.9 342
361.9	352.5	349.9	1.0 0.0 0.625 48.0	61.8 2.1 61.8 361.9	1.0 0.0 0.964 48.6	65.6 -12.1 66.8 349
370.0	360.0	357.0	1.0 0.0 0.5 47.8	58.9 10.4 59.9 370.0	1.0 0.0 0.828 49.5	65.6 -9.0 66.2 352
378.9	367.5	364.1	1.0 0.0 0.375 47.4	56.8 19.5 60.0 378.9	1.0 0.0 0.659 48.4	62.7 -0.1 62.7 359
386.2	375.0	371.2	1.0 0.0 0.25 47.5	55.9 27.5 62.3 386.2	1.0 0.0 0.519 47.8	59.5 9.2 60.2 368
391.3	382.5	378.3	1.0 0.0 0.125 47.6	56.3 34.2 65.9 391.3	1.0 0.0 0.408 47.5	57.6 17.1 60.0 376
393.4	390.0	385.4	1.0 0.0 0.0 47.5	57.2 37.8 68.6 393.4	1.0 0.0 0.263 47.6	56.1 26.7 62.1 385



2-113830-L0 QS990-73 LAB*la0, YN=0%, XYZnw=3.9, 4.1, 4.1, 84.7, 89.6, 93.9, LAB*nw=23.9, 0.0, 0.0, 95.8, 0.0, 0.0

gráfico TUB-QS99; código de tono: $H^*_e=G50B_e$
círculo de tono, 48 pasos; $rgb-LabCh^*$ mesas

entrada: $rgb/cmyk \rightarrow rgb_{de}$
salida: 3D-linealización a $cmyk^*_{de}$

salida: Laser printer output; separation cmyn6*, D65, página 9/33

TUB matrícula: 20130201-QS99/QS99L0FP.PDF /.PS
aplicación para la medida salida de impresora láser, separación cmyn6* (CMYK)

TUB material: code=rha4ta

Data of Maximum color M in colorimetric system Laser printer output; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGCBM_s$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 33.5, 100.6, 155.5, 235.2, 290.8, 348.9$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}	$LAB^*_{dd361M}(x=LabCh)$	R_d	$rgb^*_{ds361Mi}$	$LAB^*_{ds361Mi}(x=LabCh)$	$rgb^*_{dd361Mi}$	$LAB^*_{de361Mi}$	R_e	$rgb^*_{dd361Mi}$	$LAB^*_{de361Mi}(x=LabCh)$	$rgb^*_{dd361Mi}$	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
33	30	25	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33	1.0	0.0	0.0	1.0	0.0	0.0
34	31	26	1.0	0.016	0.0	48.1	56.9	39.3	69.2	34	1.0	0.0	0.017	1.0	0.0	0.017
35	32	27	1.0	0.033	0.0	48.7	56.6	40.8	69.8	35	1.0	0.0	0.033	1.0	0.0	0.033
36	33	28	1.0	0.05	0.0	49.3	56.3	42.3	70.4	36	1.0	0.0	0.05	1.0	0.0	0.05
38	34	29	1.0	0.066	0.0	49.9	55.9	43.9	71.1	38	1.0	0.0	0.067	1.0	0.0	0.067
39	35	31	1.0	0.083	0.0	50.5	55.5	45.4	71.7	39	1.0	0.0	0.083	1.0	0.0	0.083
40	36	32	1.0	0.1	0.0	51.0	55.0	46.9	72.3	40	1.0	0.0	0.1	1.0	0.1	0.1
41	37	33	1.0	0.116	0.0	51.6	54.5	48.4	72.9	41	1.0	0.0	0.117	1.0	0.1	0.117
42	38	34	1.0	0.133	0.0	52.3	53.4	49.7	73.0	42	1.0	0.0	0.133	1.0	0.1	0.133
44	39	35	1.0	0.15	0.0	53.2	51.8	50.6	72.4	44	1.0	0.0	0.15	1.0	0.15	0.15
45	40	36	1.0	0.166	0.0	54.0	50.2	51.5	71.9	45	1.0	0.0	0.167	1.0	0.167	0.167
47	41	37	1.0	0.183	0.0	54.9	48.5	52.3	71.4	47	1.0	0.0	0.183	1.0	0.183	0.183
48	42	38	1.0	0.2	0.0	55.7	46.8	53.1	70.8	48	1.0	0.0	0.2	1.0	0.2	0.2
50	43	39	1.0	0.216	0.0	56.6	45.2	53.8	70.3	50	1.0	0.0	0.217	1.0	0.217	0.217
51	44	41	1.0	0.233	0.0	57.4	43.5	54.5	69.7	51	1.0	0.0	0.233	1.0	0.233	0.233
52	45	42	1.0	0.25	0.0	58.2	41.8	55.1	69.2	52	1.0	0.0	0.25	1.0	0.25	0.25
54	46	43	1.0	0.266	0.0	59.1	40.2	56.0	69.0	54	1.0	0.0	0.267	1.0	0.267	0.267
55	47	44	1.0	0.283	0.0	59.9	38.6	56.8	68.7	55	1.0	0.0	0.283	1.0	0.283	0.283
57	48	45	1.0	0.3	0.0	60.8	37.1	57.5	68.5	57	1.0	0.0	0.3	1.0	0.3	0.3
58	49	46	1.0	0.316	0.0	61.6	35.5	58.2	68.2	58	1.0	0.0	0.317	1.0	0.317	0.317
60	50	47	1.0	0.333	0.0	62.5	33.9	58.9	68.0	60	1.0	0.0	0.333	1.0	0.333	0.333
61	51	48	1.0	0.35	0.0	63.3	32.2	59.5	67.7	61	1.0	0.0	0.35	1.0	0.35	0.35
63	52	49	1.0	0.366	0.0	64.2	30.6	60.1	67.5	63	1.0	0.0	0.367	1.0	0.367	0.367
64	53	51	1.0	0.383	0.0	65.0	29.1	60.8	67.4	64	1.0	0.0	0.383	1.0	0.383	0.383
65	54	52	1.0	0.4	0.0	65.8	27.8	61.7	67.7	65	1.0	0.0	0.4	1.0	0.4	0.4
67	55	53	1.0	0.416	0.0	66.6	26.4	62.5	67.9	67	1.0	0.0	0.417	1.0	0.417	0.417
68	56	54	1.0	0.433	0.0	67.3	25.0	63.3	68.1	68	1.0	0.0	0.433	1.0	0.433	0.433
69	57	55	1.0	0.45	0.0	68.1	23.6	64.1	68.3	69	1.0	0.0	0.45	1.0	0.45	0.45
71	58	56	1.0	0.466	0.0	68.9	22.1	64.8	68.5	71	1.0	0.0	0.467	1.0	0.467	0.467
72	59	57	1.0	0.483	0.0	69.7	20.7	65.6	68.8	72	1.0	0.0	0.483	1.0	0.483	0.483
73	60	58	1.0	0.5	0.0	70.5	19.2	66.2	69.0	73	1.0	0.0	0.5	1.0	0.5	0.5
74	61	60	1.0	0.516	0.0	71.0	18.2	66.9	69.3	74	1.0	0.0	0.517	1.0	0.517	0.517
75	62	61	1.0	0.533	0.0	71.6	17.2	67.5	69.7	75	1.0	0.0	0.533	1.0	0.533	0.533
76	63	62	1.0	0.55	0.0	72.2	16.2	68.1	70.0	76	1.0	0.0	0.55	1.0	0.55	0.55
77	64	63	1.0	0.566	0.0	72.8	15.1	68.7	70.4	77	1.0	0.0	0.567	1.0	0.567	0.567
78	65	64	1.0	0.583	0.0	73.4	14.1	69.3	70.7	78	1.0	0.0	0.583	1.0	0.583	0.583
79	66	65	1.0	0.6	0.0	74.0	13.0	69.9	71.1	79	1.0	0.0	0.6	1.0	0.6	0.6
80	67	66	1.0	0.616	0.0	74.6	12.0	70.4	71.4	80	1.0	0.0	0.617	1.0	0.617	0.617
81	68	67	1.0	0.633	0.0	75.4	10.6	71.2	72.0	81	1.0	0.0	0.633	1.0	0.633	0.633
82	69	68	1.0	0.65	0.0	76.5	8.9	72.1	72.7	82	1.0	0.0	0.65	1.0	0.65	0.65
84	70	70	1.0	0.666	0.0	77.5	7.2	73.0	73.4	84	1.0	0.0	0.667	1.0	0.667	0.667
85	71	71	1.0	0.683	0.0	78.6	5.4	73.9	74.1	85	1.0	0.0	0.683	1.0	0.683	0.683
87	72	72	1.0	0.7	0.0	79.7	3.6	74.7	74.8	87	1.0	0.0	0.7	1.0	0.7	0.7
88	73	73	1.0	0.716	0.0	80.8	1.7	75.5	75.5	88	1.0	0.0	0.717	1.0	0.717	0.717
-269	74	74	1.0	0.733	0.0	81.8	-0.1	76.3	76.3	-269	1.0	0.0	0.733	1.0	0.733	0.733
-268	75	75	1.0	0.75	0.0	82.9	-2.0	76.9	77.0	-268	1.0	0.0	0.75	1.0	0.75	0.75

2-113930-L0 QS990-73 LAB*la0, YN=0%, XYZnw=3.9, 4.1, 4.1, 84.7, 89.6, 93.9, LAB*nw=23.9, 0.0, 0.0, 95.8, 0.0, 0.0

salida: Laser printer output; separation cmyn6*, D65, página 10/33

gráfico TUB-QS99; código de tono: $H^*_e=G50B_e$
círculo de tono, 48 pasos; $rgb-LabCh^*$ mesas

entrada: $rgb/cmyk \rightarrow rgb_{de}$
salida: 3D-linealización a $cmyk^*_{de}$

Data of Maximum color M in colorimetric system Laser printer output; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours *RYGCBM*_s; $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;

Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 33.5, 100.6, 155.5, 235.2, 290.8, 348.9$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

	$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{ab}			$dd361M$			LAB^*_{ab}			$d361Mi$			$(x=LabCh)$			rgb^*_{ds}			$ds361Mi$			LAB^*_{ds}			$d361Mi$			$(x=LabCh)$			rgb^*_{de}			$de361Mi$			LAB^*_{de}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd}			$d361Mi$			$(x=LabCh)$			rgb^*_{dd}			$dd361Mi$			LAB^*_{dd		
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2-1131030-L0	QS990-73	LAB*la0, YN=0%, XYZnw=3.9, 4.1, 4.1, 84.7, 89.6, 93.9, LAB*nw=23.9, 0.0, 0.0, 95.8, 0.0, 0.0
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salida: Laser printer output; separation cmyn6*, D65, página 11/36

gráfico TUB-QS99; código de tono: H^{*}_e=G50B_e

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

círculo de tono, 48 pasos; *rgb-LabCh** mesas

salida: 3D-linealización a $cmyk^*_{de}$

Data of Maximum color M in colorimetric system Laser printer output; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGCBM_s$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 33.5, 100.6, 155.5, 235.2, 290.8, 348.9$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{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}
127	120	127	0.5	1.0	0.0	70.9	-41.7	54.8	68.9	127	0.5	1.0	0.0
128	121	128	0.483	1.0	0.0	70.4	-42.6	53.9	68.7	128	0.483	1.0	0.0
129	122	129	0.466	1.0	0.0	69.8	-43.4	53.0	68.5	129	0.466	1.0	0.0
130	123	130	0.45	1.0	0.0	69.2	-44.2	52.1	68.3	130	0.45	1.0	0.0
131	124	131	0.433	1.0	0.0	68.6	-45.0	51.2	68.2	131	0.433	1.0	0.0
132	125	133	0.416	1.0	0.0	68.0	-45.7	50.3	68.0	132	0.417	1.0	0.0
133	126	134	0.4	1.0	0.0	67.4	-46.5	49.4	67.8	133	0.4	1.0	0.0
134	127	135	0.383	1.0	0.0	66.8	-47.2	48.5	67.7	134	0.383	1.0	0.0
135	128	136	0.366	1.0	0.0	66.1	-48.2	47.5	67.7	135	0.367	1.0	0.0
136	129	137	0.35	1.0	0.0	65.4	-49.5	46.6	68.1	136	0.35	1.0	0.0
138	130	138	0.333	1.0	0.0	64.6	-50.9	45.7	68.4	138	0.333	1.0	0.0
139	131	140	0.316	1.0	0.0	63.8	-52.2	44.7	68.7	139	0.317	1.0	0.0
140	132	141	0.3	1.0	0.0	63.0	-53.5	43.7	69.1	140	0.3	1.0	0.0
142	133	142	0.283	1.0	0.0	62.2	-54.7	42.6	69.4	142	0.283	1.0	0.0
143	134	143	0.266	1.0	0.0	61.4	-56.0	41.5	69.7	143	0.267	1.0	0.0
144	135	144	0.25	1.0	0.0	60.6	-57.2	40.4	70.1	144	0.25	1.0	0.0
145	136	145	0.233	1.0	0.0	60.1	-57.9	39.6	70.2	145	0.233	1.0	0.0
146	137	147	0.216	1.0	0.0	59.6	-58.6	38.9	70.3	146	0.217	1.0	0.0
147	138	148	0.2	1.0	0.0	59.1	-59.3	38.1	70.5	147	0.2	1.0	0.0
148	139	149	0.183	1.0	0.0	58.7	-59.9	37.3	70.6	148	0.183	1.0	0.0
148	140	150	0.166	1.0	0.0	58.2	-60.6	36.4	70.7	148	0.167	1.0	0.0
149	141	151	0.15	1.0	0.0	57.7	-61.2	35.6	70.9	149	0.15	1.0	0.0
150	142	152	0.133	1.0	0.0	57.2	-61.9	34.8	71.0	150	0.133	1.0	0.0
151	143	154	0.116	1.0	0.0	56.8	-62.5	34.1	71.3	151	0.117	1.0	0.0
151	144	155	0.1	1.0	0.0	56.4	-63.3	33.7	71.7	151	0.1	1.0	0.0
152	145	156	0.083	1.0	0.0	56.1	-64.0	33.2	72.1	152	0.083	1.0	0.0
153	146	157	0.066	1.0	0.0	55.7	-64.7	32.8	72.6	153	0.067	1.0	0.0
153	147	158	0.049	1.0	0.0	55.4	-65.5	32.3	73.0	153	0.05	1.0	0.0
154	148	159	0.033	1.0	0.0	55.0	-66.2	31.8	73.5	154	0.033	1.0	0.0
154	149	161	0.016	1.0	0.0	54.7	-66.9	31.3	73.9	154	0.017	1.0	0.0
155	150	162	0.0	1.0	0.0	54.3	-67.6	30.8	74.3	155	0.0	1.0	0.0
156	151	163	0.0	1.0	0.016	54.2	-67.5	29.7	73.8	156	0.0	1.0	0.017
156	152	164	0.0	1.0	0.033	54.2	-67.4	28.6	73.2	156	0.0	1.0	0.033
157	153	164	0.0	1.0	0.05	54.1	-67.2	27.6	72.7	157	0.0	1.0	0.05
158	154	165	0.0	1.0	0.066	54.0	-67.1	26.6	72.1	158	0.0	1.0	0.067
159	155	166	0.0	1.0	0.083	53.9	-66.9	25.5	71.6	159	0.0	1.0	0.083
159	156	167	0.0	1.0	0.1	53.9	-66.7	24.5	71.1	159	0.0	1.0	0.1
160	157	168	0.0	1.0	0.116	53.8	-66.5	23.5	70.5	160	0.0	1.0	0.117
161	158	169	0.0	1.0	0.133	53.8	-66.2	22.3	69.9	161	0.0	1.0	0.133
162	159	170	0.0	1.0	0.15	53.8	-65.8	20.8	69.1	162	0.0	1.0	0.15
163	160	171	0.0	1.0	0.166	53.8	-65.5	19.4	68.3	163	0.0	1.0	0.167
164	161	172	0.0	1.0	0.183	53.8	-65.0	18.1	67.5	164	0.0	1.0	0.183
165	162	173	0.0	1.0	0.2	53.8	-64.6	16.7	66.7	165	0.0	1.0	0.2
166	163	174	0.0	1.0	0.216	53.7	-64.1	15.4	66.0	166	0.0	1.0	0.217
167	164	175	0.0	1.0	0.233	53.7	-63.6	14.1	65.2	167	0.0	1.0	0.233
168	165	175	0.0	1.0	0.25	53.7	-63.1	12.8	64.4	168	0.0	1.0	0.25

2-1131130-L0 QS990-73 LAB*la0, YN=0%, XYZnw=3.9, 4.1, 4.1, 84.7, 89.6, 93.9, LAB*nw=23.9, 0.0, 0.0, 95.8, 0.0, 0.0

salida: Laser printer output; separation cmyn6*, D65, página 12/33

gráfico TUB-QS99; código de tono: $H^*_e = G50B_e$
círculo de tono, 48 pasos; $rgb-LabCh^*$ mesas

entrada: $rgb/cmyk \rightarrow rgb_{de}$
salida: 3D-linealización a $cmyk^*_{de}$

TUB matrícula: 20130201-QS99/QS99L0FP.PDF /.PS
aplicación para la medida salida de impresora láser, separación cmyn6* (CMYK)

TUB material: code=rha4ta

Data of Maximum color M in colorimetric system Laser printer output; separation cmy6*, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGCBM_{\lambda}$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours $RYGCBM_{\lambda}$: $h_{ab,d} = 33.5, 100.6, 155.5, 235.2, 290.8, 348.9$; Six hue angles of the elementary colours $RYGCBM_{\lambda}$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}	$LAB^*_{ddx361Mi} (x=LabCh)$	$rgb^*_{ds361Mi}$	$LAB^*_{dsx361Mi} (x=LabCh)$	$rgb^*_{dd361Mi}$	$LAB^*_{de361Mi}$	$rgb^*_{dex361Mi} (x=LabCh)$	$rgb^*_{dd361Mi}$	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
168	165	175	0.0	1.0	0.25	53.7	-63.1	12.8	64.4	168	0.0	1.0	0.25
170	166	176	0.0	1.0	0.266	53.9	-62.4	10.9	63.4	170	0.0	1.0	0.267
171	167	177	0.0	1.0	0.283	54.0	-61.7	9.1	62.4	171	0.0	1.0	0.283
173	168	178	0.0	1.0	0.3	54.1	-60.9	7.3	61.3	173	0.0	1.0	0.3
174	169	179	0.0	1.0	0.316	54.3	-60.1	5.6	60.3	174	0.0	1.0	0.317
176	170	180	0.0	1.0	0.333	54.4	-59.2	3.9	59.3	176	0.0	1.0	0.333
177	171	181	0.0	1.0	0.35	54.5	-58.2	2.3	58.3	177	0.0	1.0	0.35
179	172	182	0.0	1.0	0.366	54.7	-57.3	0.8	57.3	179	0.0	1.0	0.367
180	173	183	0.0	1.0	0.383	54.7	-56.5	-0.6	56.5	180	0.0	1.0	0.383
181	174	184	0.0	1.0	0.4	54.8	-55.8	-1.8	55.9	181	0.0	1.0	0.4
183	175	185	0.0	1.0	0.416	54.8	-55.2	-3.1	55.2	183	0.0	1.0	0.417
184	176	185	0.0	1.0	0.433	54.8	-54.5	-4.3	54.6	184	0.0	1.0	0.433
185	177	186	0.0	1.0	0.45	54.9	-53.7	-5.5	54.0	185	0.0	1.0	0.45
187	178	187	0.0	1.0	0.466	54.9	-53.0	-6.6	53.4	187	0.0	1.0	0.467
188	179	188	0.0	1.0	0.483	55.0	-52.2	-7.8	52.8	188	0.0	1.0	0.483
189	180	189	0.0	1.0	0.5	55.0	-51.4	-8.9	52.2	189	0.0	1.0	0.5
191	181	190	0.0	1.0	0.516	55.0	-50.6	-10.5	51.7	191	0.0	1.0	0.517
193	182	191	0.0	1.0	0.533	55.1	-49.7	-12.1	51.2	193	0.0	1.0	0.533
195	183	192	0.0	1.0	0.55	55.1	-48.8	-13.7	50.7	195	0.0	1.0	0.55
197	184	193	0.0	1.0	0.566	55.2	-47.8	-15.2	50.2	197	0.0	1.0	0.567
199	185	194	0.0	1.0	0.583	55.2	-46.8	-16.6	49.7	199	0.0	1.0	0.583
201	186	195	0.0	1.0	0.6	55.2	-45.8	-18.0	49.2	201	0.0	1.0	0.6
203	187	195	0.0	1.0	0.616	55.3	-44.7	-19.4	48.7	203	0.0	1.0	0.617
205	188	196	0.0	1.0	0.633	55.3	-43.8	-20.5	48.4	205	0.0	1.0	0.633
206	189	197	0.0	1.0	0.65	55.3	-43.3	-21.5	48.3	206	0.0	1.0	0.65
207	190	198	0.0	1.0	0.666	55.3	-42.7	-22.5	48.3	207	0.0	1.0	0.667
209	191	199	0.0	1.0	0.683	55.2	-42.1	-23.4	48.2	209	0.0	1.0	0.683
210	192	200	0.0	1.0	0.7	55.2	-41.5	-24.4	48.1	210	0.0	1.0	0.7
211	193	201	0.0	1.0	0.716	55.2	-40.8	-25.3	48.0	211	0.0	1.0	0.717
213	194	202	0.0	1.0	0.733	55.2	-40.2	-26.2	48.0	213	0.0	1.0	0.733
214	195	203	0.0	1.0	0.75	55.2	-39.5	-27.1	47.9	214	0.0	1.0	0.75
215	196	204	0.0	1.0	0.766	55.1	-39.2	-27.9	48.1	215	0.0	1.0	0.767
216	197	205	0.0	1.0	0.783	55.0	-38.8	-28.7	48.3	216	0.0	1.0	0.783
217	198	206	0.0	1.0	0.8	54.9	-38.5	-29.5	48.5	217	0.0	1.0	0.8
218	199	206	0.0	1.0	0.816	54.8	-38.1	-30.3	48.7	218	0.0	1.0	0.817
219	200	207	0.0	1.0	0.833	54.7	-37.7	-31.1	48.9	219	0.0	1.0	0.833
220	201	208	0.0	1.0	0.85	54.6	-37.3	-31.9	49.1	220	0.0	1.0	0.85
221	202	209	0.0	1.0	0.866	54.5	-36.9	-32.6	49.3	221	0.0	1.0	0.867
222	203	210	0.0	1.0	0.883	54.3	-36.4	-33.7	49.6	222	0.0	1.0	0.883
224	204	211	0.0	1.0	0.9	54.2	-35.6	-35.1	50.0	224	0.0	1.0	0.9
226	205	212	0.0	1.0	0.916	54.0	-34.8	-36.5	50.4	226	0.0	1.0	0.917
228	206	213	0.0	1.0	0.933	53.8	-33.9	-37.8	50.8	228	0.0	1.0	0.933
229	207	214	0.0	1.0	0.95	53.6	-33.0	-39.2	51.2	229	0.0	1.0	0.95
231	208	215	0.0	1.0	0.966	53.4	-32.0	-40.5	51.7	231	0.0	1.0	0.967
233	209	216	0.0	1.0	0.983	53.3	-31.0	-41.8	52.1	233	0.0	1.0	0.983
235	210	216	0.0	1.0	1.0	53.1	-30.0	-43.1	52.5	235	0.0	1.0	1.0

2-1131230-L0 QS990-73 LAB*la0, YN=0%, XYZnw=3.9, 4.1, 4.1, 84.7, 89.6, 93.9, LAB*nw=23.9, 0.0, 0.0, 95.8, 0.0, 0.0

salida: Laser printer output; separation cmy6*, D65, página 13/33

gráfico TUB-QS99; código de tono: $H^*_e=G50B_e$
círculo de tono, 48 pasos; $rgb-LabCh^*$ mesas

entrada: $rgb/cmyk \rightarrow rgb_{de}$
salida: 3D-linealización a $cmyk^*_{de}$

Data of Maximum color M in colorimetric system Laser printer output; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM _s : $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;										Six hue angles of the device colours RYGBM _d : $h_{ab,d} = 33.5, 100.6, 155.5, 235.2, 290.8, 348.9$; Six hue angles of the elementary colours RYGBM _e : $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$									
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}	$LAB^*_{ddx361Mi}(x=LabCh)$	C_d	$rgb^*_{ds361Mi}$	$LAB^*_{dsx361Mi}(x=LabCh)$	C_s	$rgb^*_{dd361Mi}$	$LAB^*_{de361Mi}$	$rgb^*_{dex361Mi}(x=LabCh)$	C_e	$rgb^*_{dd361Mi}$	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}			
235	210	216	0.0	1.0	1.0	53.1	-30.0	-43.1	52.5	235	0.0	1.0	0.983	1.0	0.983	1.0			
235	211	217	0.0	0.983	1.0	53.1	-29.7	-43.3	52.5	235	0.0	1.0	0.983	1.0	0.983	1.0			
235	212	218	0.0	0.966	1.0	53.1	-29.4	-43.5	52.5	235	0.0	1.0	0.967	1.0	0.967	1.0			
236	213	219	0.0	0.95	1.0	53.1	-29.2	-43.7	52.6	236	0.0	1.0	0.95	1.0	0.95	1.0			
236	214	220	0.0	0.933	1.0	53.1	-28.9	-43.9	52.6	236	0.0	1.0	0.933	1.0	0.933	1.0			
237	215	221	0.0	0.916	1.0	53.1	-28.6	-44.2	52.6	237	0.0	1.0	0.917	1.0	0.917	1.0			
237	216	222	0.0	0.9	1.0	53.1	-28.3	-44.4	52.7	237	0.0	1.0	0.9	1.0	0.9	1.0			
237	217	223	0.0	0.883	1.0	53.1	-28.1	-44.6	52.7	237	0.0	1.0	0.883	1.0	0.883	1.0			
238	218	224	0.0	0.866	1.0	53.0	-27.8	-44.9	52.8	238	0.0	1.0	0.867	1.0	0.867	1.0			
238	219	225	0.0	0.85	1.0	53.0	-27.5	-45.3	53.0	238	0.0	1.0	0.85	1.0	0.85	1.0			
239	220	226	0.0	0.833	1.0	53.0	-27.3	-45.6	53.2	239	0.0	1.0	0.833	1.0	0.833	1.0			
239	221	227	0.0	0.816	1.0	53.0	-27.0	-46.0	53.4	239	0.0	1.0	0.817	1.0	0.817	1.0			
240	222	227	0.0	0.8	1.0	52.9	-26.7	-46.4	53.6	240	0.0	1.0	0.8	1.0	0.8	1.0			
240	223	228	0.0	0.783	1.0	52.9	-26.5	-46.8	53.8	240	0.0	1.0	0.783	1.0	0.783	1.0			
240	224	229	0.0	0.766	1.0	52.9	-26.2	-47.2	53.9	240	0.0	1.0	0.767	1.0	0.767	1.0			
241	225	230	0.0	0.75	1.0	52.9	-25.9	-47.5	54.1	241	0.0	1.0	0.75	1.0	0.75	1.0			
242	226	231	0.0	0.733	1.0	52.6	-25.2	-47.8	54.1	242	0.0	1.0	0.733	1.0	0.733	1.0			
242	227	232	0.0	0.716	1.0	52.2	-24.5	-48.1	54.0	242	0.0	1.0	0.717	1.0	0.717	1.0			
243	228	233	0.0	0.7	1.0	51.9	-23.9	-48.4	54.0	243	0.0	1.0	0.7	1.0	0.7	1.0			
244	229	234	0.0	0.683	1.0	51.6	-23.2	-48.6	53.9	244	0.0	1.0	0.683	1.0	0.683	1.0			
245	230	235	0.0	0.666	1.0	51.3	-22.5	-48.9	53.8	245	0.0	1.0	0.667	1.0	0.667	1.0			
246	231	236	0.0	0.65	1.0	51.0	-21.8	-49.1	53.8	246	0.0	1.0	0.65	1.0	0.65	1.0			
246	232	237	0.0	0.633	1.0	50.7	-21.1	-49.4	53.7	246	0.0	1.0	0.633	1.0	0.633	1.0			
247	233	237	0.0	0.616	1.0	50.2	-20.2	-49.5	53.5	247	0.0	1.0	0.617	1.0	0.617	1.0			
248	234	238	0.0	0.6	1.0	49.7	-19.2	-49.6	53.2	248	0.0	1.0	0.6	1.0	0.6	1.0			
249	235	239	0.0	0.583	1.0	49.1	-18.2	-49.6	52.8	249	0.0	1.0	0.583	1.0	0.583	1.0			
250	236	240	0.0	0.566	1.0	48.5	-17.2	-49.6	52.5	250	0.0	1.0	0.567	1.0	0.567	1.0			
251	237	241	0.0	0.55	1.0	47.9	-16.2	-49.5	52.2	251	0.0	1.0	0.55	1.0	0.55	1.0			
252	238	242	0.0	0.533	1.0	47.3	-15.2	-49.5	51.8	252	0.0	1.0	0.533	1.0	0.533	1.0			
253	239	243	0.0	0.516	1.0	46.7	-14.3	-49.4	51.5	253	0.0	1.0	0.517	1.0	0.517	1.0			
254	240	244	0.0	0.5	1.0	46.1	-13.3	-49.4	51.1	254	0.0	1.0	0.5	1.0	0.5	1.0			
255	241	245	0.0	0.483	1.0	45.5	-12.3	-49.4	50.9	255	0.0	1.0	0.483	1.0	0.483	1.0			
256	242	246	0.0	0.466	1.0	44.8	-11.4	-49.4	50.7	256	0.0	1.0	0.467	1.0	0.467	1.0			
258	243	247	0.0	0.45	1.0	44.2	-10.5	-49.4	50.5	258	0.0	1.0	0.45	1.0	0.45	1.0			
259	244	248	0.0	0.433	1.0	43.6	-9.5	-49.4	50.3	259	0.0	1.0	0.433	1.0	0.433	1.0			
260	245	248	0.0	0.416	1.0	42.9	-8.6	-49.4	50.1	260	0.0	1.0	0.417	1.0	0.417	1.0			
261	246	249	0.0	0.4	1.0	42.3	-7.7	-49.3	49.9	261	0.0	1.0	0.4	1.0	0.4	1.0			
262	247	250	0.0	0.383	1.0	41.7	-6.8	-49.3	49.7	262	0.0	1.0	0.383	1.0	0.383	1.0			
263	248	251	0.0	0.366	1.0	41.1	-5.7	-49.2	49.6	263	0.0	1.0	0.367	1.0	0.367	1.0			
264	249	252	0.0	0.35	1.0	40.5	-4.6	-49.2	49.4	264	0.0	1.0	0.35	1.0	0.35	1.0			
265	250	253	0.0	0.333	1.0	39.9	-3.4	-49.2	49.3	265	0.0	1.0	0.333	1.0	0.333	1.0			
267	251	254	0.0	0.316	1.0	39.3	-2.3	-49.1	49.1	267	0.0	1.0	0.317	1.0	0.317	1.0			
268	252	255	0.0	0.3	1.0	38.7	-1.1	-49.0	49.0	268	0.0	1.0	0.3	1.0	0.3	1.0			
269	253	256	0.0	0.283	1.0	38.1	0.0	-48.9	48.9	269	0.0	1.0	0.283	1.0	0.283	1.0			
271	254	257	0.0	0.266	1.0	37.4	1.1	-48.7	48.7	271	0.0	1.0	0.267	1.0	0.267	1.0			
272	255	258	0.0	0.25	1.0	36.8	2.2	-48.5	48.6	272	0.0	1.0	0.25	1.0	0.25	1.0			

2-1131330-L0 QS990-73 LAB*la0, YN=0%, XYZnw=3.9, 4.1, 4.1, 84.7, 89.6, 93.9, LAB*nw=23.9, 0.0, 0.0, 95.8, 0.0, 0.0

salida: Laser printer output; separation cmyn6*, D65, página 14/33

gráfico TUB-QS99; código de tono: $H^*_e = G50B_e$
círculo de tono, 48 pasos; $rgb-LabCh^*$ mesas

entrada: $rgb/cmyk \rightarrow rgb_{de}$
salida: 3D-linealización a $cmyk^*_{de}$

Data of Maximum color M in colorimetric system Laser printer output; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGCBM_s$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;

Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 33.5, 100.6, 155.5, 235.2, 290.8, 348.9$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^* dd361M	LAB^* d361Mi (x=LabCh)	rgb^* ds361Mi	LAB^* dsx361Mi (x=LabCh)	rgb^* dd361Mi	LAB^* de361Mi	LAB^* dex361Mi (x=LabCh)	rgb^* dd361Mi	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}											
272	255	258	0.0	0.25 1.0	36.8	2.2	-48.5 48.6	272	0.0	0.499 1.0	46.1	-13.1	-49.3 51.2	255	0.0	0.25 1.0	0.0	0.435 1.0	43.7	-9.5	-49.4 50.4	258	0.0	0.233 1.0
273	256	258	0.0	0.233 1.0	36.6	3.2	-48.3 48.4	273	0.0	0.482 1.0	45.5	-12.2	-49.4 51.0	256	0.0	0.233 1.0	0.0	0.42 1.0	43.1	-8.7	-49.3 50.2	259	0.0	0.217 1.0
274	257	259	0.0	0.216 1.0	36.4	4.1	-48.0 48.2	274	0.0	0.466 1.0	44.9	-11.3	-49.4 50.8	257	0.0	0.217 1.0	0.0	0.405 1.0	42.6	-7.9	-49.3 50.0	260	0.0	0.2 1.0
276	258	260	0.0	0.2 1.0	36.1	5.1	-47.8 48.1	276	0.0	0.45 1.0	44.3	-10.4	-49.4 50.6	258	0.0	0.2 1.0	0.0	0.39 1.0	42.0	-7.1	-49.3 49.9	261	0.0	0.183 1.0
277	259	261	0.0	0.183 1.0	35.9	6.1	-47.5 47.9	277	0.0	0.434 1.0	43.7	-9.5	-49.4 50.4	259	0.0	0.183 1.0	0.0	0.376 1.0	41.4	-6.3	-49.2 49.7	262	0.0	0.167 1.0
278	260	262	0.0	0.166 1.0	35.6	7.0	-47.2 47.7	278	0.0	0.418 1.0	43.0	-8.6	-49.3 50.2	260	0.0	0.167 1.0	0.0	0.364 1.0	41.0	-5.5	-49.2 49.6	263	0.0	0.15 1.0
279	261	263	0.0	0.15 1.0	35.4	8.0	-46.9 47.5	279	0.0	0.402 1.0	42.4	-7.7	-49.3 50.0	261	0.0	0.15 1.0	0.0	0.353 1.0	40.6	-4.7	-49.2 49.5	264	0.0	0.133 1.0
280	262	264	0.0	0.133 1.0	35.2	8.9	-46.5 47.4	280	0.0	0.386 1.0	41.8	-6.8	-49.2 49.8	262	0.0	0.133 1.0	0.0	0.341 1.0	40.2	-3.9	-49.1 49.4	265	0.0	0.117 1.0
282	263	265	0.0	0.116 1.0	34.9	9.9	-46.3 47.3	282	0.0	0.371 1.0	41.3	-6.0	-49.2 49.7	263	0.0	0.117 1.0	0.0	0.33 1.0	39.8	-3.1	-49.1 49.3	266	0.0	0.1 1.0
283	264	266	0.0	0.1 1.0	34.5	10.9	-46.1 47.4	283	0.0	0.358 1.0	40.8	-5.1	-49.2 49.5	264	0.0	0.1 1.0	0.0	0.318 1.0	39.4	-2.3	-49.0 49.2	267	0.0	0.083 1.0
284	265	267	0.0	0.083 1.0	34.2	11.9	-45.9 47.4	284	0.0	0.346 1.0	40.4	-4.2	-49.2 49.4	265	0.0	0.083 1.0	0.0	0.307 1.0	39.0	-1.5	-49.0 49.1	268	0.0	0.067 1.0
285	266	268	0.0	0.066 1.0	33.9	12.9	-45.7 47.5	285	0.0	0.333 1.0	39.9	-3.3	-49.1 49.3	266	0.0	0.067 1.0	0.0	0.296 1.0	38.5	-0.8	-48.9 49.0	269	0.0	0.05 1.0
287	267	269	0.0	0.049 1.0	33.5	13.9	-45.4 47.5	287	0.0	0.321 1.0	39.5	-2.5	-49.1 49.2	267	0.0	0.05 1.0	0.0	0.284 1.0	38.1	0.0	-48.8 48.9	269	0.0	0.033 1.0
288	268	269	0.0	0.033 1.0	33.2	14.9	-45.2 47.6	288	0.0	0.308 1.0	39.0	-1.6	-49.0 49.1	268	0.0	0.033 1.0	0.0	0.273 1.0	37.7	0.7	-48.7 48.8	270	0.0	0.017 1.0
289	269	270	0.0	0.016 1.0	32.9	15.9	-44.9 47.6	289	0.0	0.296 1.0	38.5	-0.8	-48.9 49.0	269	0.0	0.017 1.0	0.0	0.261 1.0	37.3	1.5	-48.6 48.7	271	0.0	0.0 1.0
290	270	271	0.0	0.0 1.0	32.5	16.9	-44.6 47.7	290	0.0	0.283 1.0	38.1	0.0	-48.8 48.9	270	0.0	0.0 1.0	0.0	0.249 1.0	36.9	2.3	-48.5 48.6	272	0.017	0.0 1.0
291	271	272	0.016	0.0 1.0	32.4	17.8	-44.3 47.8	291	0.0	0.27 1.0	37.6	0.9	-48.7 48.8	271	0.017	0.0 1.0	0.0	0.236 1.0	36.7	3.1	-48.3 48.5	273	0.033	0.0 1.0
293	272	273	0.033	0.0 1.0	32.3	18.7	-44.0 47.9	293	0.0	0.258 1.0	37.2	1.7	-48.6 48.7	272	0.033	0.0 1.0	0.0	0.222 1.0	36.5	3.9	-48.1 48.3	274	0.05 0.0 1.0	
294	273	274	0.05	0.0 1.0	32.1	19.6	-43.7 47.9	294	0.0	0.245 1.0	36.8	2.5	-48.4 48.6	273	0.05 0.0 1.0	0.0	0.209 1.0	36.3	4.6	-47.9 48.2	275	0.067	0.0 1.0	
295	274	275	0.066	0.0 1.0	32.0	20.5	-43.4 48.0	295	0.0	0.231 1.0	36.6	3.4	-48.2 48.4	274	0.067	0.0 1.0	0.0	0.196 1.0	36.1	5.4	-47.7 48.1	276	0.083	0.0 1.0
296	275	276	0.083	0.0 1.0	31.9	21.4	-43.1 48.1	296	0.0	0.217 1.0	36.4	4.2	-48.0 48.3	275	0.083	0.0 1.0	0.0	0.182 1.0	35.9	6.2	-47.4 47.9	277	0.1	0.0 1.0
297	276	277	0.1	0.0 1.0	31.8	22.3	-42.7 48.2	297	0.0	0.202 1.0	36.2	5.0	-47.8 48.1	276	0.1	0.0 1.0	0.0	0.169 1.0	35.7	7.0	-47.2 47.8	278	0.117	0.0 1.0
298	277	278	0.116	0.0 1.0	31.6	23.1	-42.4 48.3	298	0.0	0.188 1.0	36.0	5.8	-47.5 48.0	277	0.117	0.0 1.0	0.0	0.155 1.0	35.5	7.7	-46.9 47.6	279	0.133	0.0 1.0
299	278	279	0.133	0.0 1.0	31.5	24.1	-42.0 48.4	299	0.0	0.174 1.0	35.8	6.7	-47.3 47.8	278	0.133	0.0 1.0	0.0	0.142 1.0	35.3	8.5	-46.6 47.5	280	0.15	0.0 1.0
300	279	280	0.15	0.0 1.0	31.4	25.0	-41.7 48.6	300	0.0	0.16 1.0	35.6	7.5	-47.0 47.7	279	0.15	0.0 1.0	0.0	0.129 1.0	35.1	9.2	-46.4 47.4	281	0.167	0.0 1.0
302	280	281	0.166	0.0 1.0	31.4	25.9	-41.4 48.8	302	0.0	0.146 1.0	35.4	8.3	-46.7 47.5	280	0.167	0.0 1.0	0.0	0.116 1.0	34.9	10.0	-46.2 47.4	282	0.183	0.0 1.0
303	281	282	0.183	0.0 1.0	31.3	26.8	-41.0 49.0	303	0.0	0.132 1.0	35.2	9.0	-46.4 47.4	281	0.183	0.0 1.0	0.0	0.103 1.0	34.6	10.8	-46.1 47.4	283	0.2	0.0 1.0
304	282	283	0.2	0.0 1.0	31.2	27.8	-40.6 49.2	304	0.0	0.118 1.0	34.9	9.8	-46.2 47.4	282	0.2	0.0 1.0	0.0	0.09 1.0	34.4	11.5	-45.9 47.4	284	0.217	0.0 1.0
305	283	284	0.216	0.0 1.0	31.1	28.7	-40.2 49.4	305	0.0	0.104 1.0	34.7	10.7	-46.1 47.4	283	0.217	0.0 1.0	0.0	0.078 1.0	34.1	12.3	-45.8 47.5	285	0.233	0.0 1.0
306	284	285	0.233	0.0 1.0	31.1	29.6	-39.8 49.6	306	0.0	0.091 1.0	34.4	11.5	-45.9 47.4	284	0.233	0.0 1.0	0.0	0.065 1.0	33.9	13.1	-45.6 47.5	285	0.25	0.0 1.0
307	285	286	0.25	0.0 1.0	31.0	30.5	-39.3 49.8	307	0.0	0.078 1.0	34.1	12.3	-45.8 47.5	285	0.25	0.0 1.0	0.0	0.052 1.0	33.6	13.8	-45.4 47.6	286	0.267	0.0 1.0
309	286	287	0.266	0.0 1.0	31.4	31.6	-38.8 50.1	309	0.0	0.064 1.0	33.9	13.1	-45.6 47.5	286	0.267	0.0 1.0	0.0	0.04 1.0	33.4	14.6	-45.2 47.6	287	0.283	0.0 1.0
310	287	287	0.283	0.0 1.0	31.8	32.6	-38.3 50.3	310	0.0	0.051 1.0	33.6	13.9	-45.4 47.6	287	0.283	0.0 1.0	0.0	0.027 1.0	33.1	15.4	-45.0 47.6	288	0.3	0.0 1.0
311	288	288	0.3	0.0 1.0	32.3	33.6	-37.8 50.6	311	0.0	0.038 1.0	33.3	14.7	-45.2 47.6	288	0.3	0.0 1.0	0.0	0.014 1.0	32.9	16.1	-44.8 47.7	289	0.317	0.0 1.0
312	289	289	0.316	0.0 1.0	32.7	34.7	-37.2 50.9	312	0.0	0.024 1.0	33.1	15.5	-44.9 47.6	289	0.317	0.0 1.0	0.0	0.001 1.0	32.6	16.9	-44.5 47.7	290	0.333	0.0 1.0
314	290	290	0.333	0.0 1.0	33.1	35.7	-36.6 51.2	314	0.0	0.011 1.0	32.8	16.3	-44.7 47.7	290	0.333	0.0 1.0	0.012	0.0 1.0	32.5	17.6	-44.3 47.8	291	0.35	0.0 1.0
315	291	291	0.35	0.0 1.0	33.6	36.7	-36.0 51.4	315	0.003	0.0 1.0	32.5	17.1	-44.5 47.7	291	0.35	0.0 1.0	0.026	0.0 1.0	32.4	18.4	-44.1 47.9	292	0.367	0.0 1.0
316	292	292	0.366	0.0 1.0	34.0	37.7	-35.3 51.7	316	0.018	0.0 1.0	32.4	17.9	-44.2 47.8	292	0.367	0.0 1.0	0.041	0.0 1.0	32.3	19.1	-43.9 47.9	293	0.383	0.0 1.0
317	293	293	0.383	0.0 1.0	34.4	38.5	-34.7 51.9	317	0.033	0.0 1.0	32.3	18.7	-44.0 47.9	293	0.383	0.0 1.0	0.055	0.0 1.0	32.1	19.9	-43.6 48.0	294	0.4	0.0 1.0
318	294	294	0.4	0.0 1.0	34.8	39.2	-34.2 52.1	318	0.047	0.0 1.0	32.2	19.5	-43.7 48.0	294	0.4	0.0 1.0	0.069	0.0 1.0	32.0	20.7	-43.3 48.1	295	0.417	0.0 1.0
319	295	295	0.416	0.0 1.0	35.2	39.9	-33.7 52.2	319	0.062	0.0 1.0	32.1	20.3	-43.5 48.1	295	0.417	0.0 1.0	0.083	0.0 1.0	31.9	21.4	-43.1 48.2	296	0.433	0.0 1.0
320	296	296	0.433	0.0 1.0	35.6	40.5	-33.1 52.4	320	0.077	0.0 1.0	32.0	21.1	-43.2 48.1	296	0.433	0.0 1.0	0.097	0.0 1.0	31.8	22.2	-42.8 48.2	297	0.45	0.0 1.0
321	297	297	0.45	0.0 1.0	36.0	41.2	-32.6 52.5	321	0.092	0.0 1.0	31.9	21.9	-42.9 48.2	297	0.45	0.0 1.0	0.111	0.0 1.0	31.7	22.9	-42.5 48.3	298	0.467	0.0 1.0
322	298	298	0.466	0.0 1.0	36.4	41.8	-32.0 52.7	322	0.107	0.0 1.0	31.7	22.7	-42.5 48.3	298	0.467	0.0 1.0	0.125	0.0 1.0	31.6	23.6	-42.1 48.4	299	0.483	0.0 1.0
323	299	299	0.483	0.0 1.0	36.8	42.5	-31.4 52.9	323	0.122	0.0 1.0	31.6	23.5	-42.2 48.4	299	0.483	0.0 1.0	0.139	0.0 1.0	31.5	24.4	-41.9 48.6	300	0.5	0.0 1.0
324	300	300	0.5	0.0 1.0	37.2	43.1	-30.8 53.0	324	0.136	0.0 1.0	31.6	24.3	-41.9 48.5	300	0.5	0.0 1.0								

2-1131430-L0 QS990-73 LAB*la0,

Data of Maximum color M in colorimetric system Laser printer output; separation cmyn*₆, D65 for input or output; Six hue angles of the 60 degree standard colours *RYGCBM*_s; $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;

Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 33.5, 100.6, 155.5, 235.2, 290.8, 348.9$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

[illegible]

2-1131530-L0	QS990-73	LAB*la0, YN=0%, XYZnw=3.9, 4.1, 4.1, 84.7, 89.6, 93.9, LAB*nw=23.9, 0.0, 0.0, 95.8, 0.0, 0.0
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salida: Laser printer output; separation cmyk6*, D65, página 16/36

gráfico TUB-QS99; código de tono: $H^*_e=G50B_e$
círculo de tono, 48 pasos; *rgb-LabCh**mesas

entrada: $rgb/cmyk \rightarrow rgb_{de}$
salida: 3D-linealización a $cmyk^*_{de}$

TUB matrícula: 20130201-QS99/QS99L0FP.PDF /.PS
+ aplicación para la medida salida de impresora láser, se

TUB material: code=rh4ta
cmykn6* (CMYK)

vea archivos semejantes: <http://130.149.60.45/~farbmietrik/QS99/QS99.HTM>
información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmietrik>

Data of Maximum color M in colorimetric system Laser printer output; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGBM_{ds}$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$; Six hue angles of the device colours $RYGBM_d$: $h_{ab,d} = 33.5, 100.6, 155.5, 235.2, 290.8, 348.9$; Six hue angles of the elementary colours $RYGBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

[illegible]

2-1131630-L0	QS990-73	LAB*la0, YN=0%, XYZnw=3.9, 4.1, 4.1, 84.7, 89.6, 93.9, LAB*nw=23.9, 0.0, 0.0, 95.8, 0.0, 0.0
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salida: Laser printer output; separation cmyn6*, D65, página 17/36

gráfico TUB-QS99; código de tono: $H^*_e=G50B_e$
círculo de tono, 48 pasos; *rgb-LabCh**mesas

entrada: $rgb/cmyk \rightarrow rgb_{de}$
salida: 3D-linealización a $cmyk^*_{de}$



TUB material: code=rha4ta
cmyn6* (CMYK)

entrada: *rgb/cmyk* -> *rgb*_{de}
salida: 3D-linealización a *cmyk*^{*}_{de}

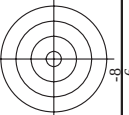


18/23-E

[illegible]

n/f	HfC*Fide	rgb_Fide	icr_Fide	hsa_Fide	rgb*Fide	LabCh*Fide	cmyn*sep_Fide	0.735	0.0	0.735	0.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
0/648	R0Y_100_100de	1.0	0.0	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1/666	R25Y_100_100de	0.0	0.25	1.0	0.0	0.086	51.4	54.8	47.7	72.6	41.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2/684	R50Y_100_100de	0.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3/702	R75Y_100_100de	0.0	0.75	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4/720	Y00G_100_100de	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5/738	Y25G_100_100de	0.75	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6/756	Y50G_100_100de	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7/774	Y75G_100_100de	0.25	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8/792	G00B_100_100de	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9/772	G25B_100_100de	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10/766	G50B_100_100de	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11/840	G75B_100_100de	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12/844	G90B_100_100de	0.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13/8	B00M_100_100de	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14/332	B25R_100_100de	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15/652	B50R_100_100de	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16/656	B75R_100_100de	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17/648	R00Y_100_100de	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18/668	R00Y_100_100de	1.0	0.5	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19/706	R50Y_100_100de	0.75	0.5	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20/724	Y00G_100_100de	1.0	1.0	0.5	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21/664	Y50G_100_100de	0.75	1.0	0.5	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22/400	G00B_100_100de	0.5	1.0	0.5	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23/400	G25B_100_100de	0.5	1.0	0.5	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24/400	G50B_100_100de	0.5	1.0	0.5	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25/692	B50R_100_100de	1.0	0.5	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26/688	R00Y_100_100de	1.0	0.5	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27/506	R00Y_075_050de	0.75	0.25	0.25	0.75	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
28/524	R50Y_075_050de	0.75	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
29/542	Y00G_075_050de	0.75	0.75	0.25	0.75	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
30/218	Y50G_075_050de	0.5	0.75	0.25	0.75	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
31/218	G00B_075_050de	0.25	0.75	0.25	0.75	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
32/222	G25B_075_050de	0.25	0.75	0.25	0.75	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
33/186	B00R_075_050de	0.25	0.75	0.25	0.75	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
34/510	B50R_075_050de	0.75	0.25	0.25	0.75	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
35/506	R00Y_075_050de	0.75	0.25	0.25	0.75	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
36/324	R00Y_050_050de	0.5	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
37/342	R50Y_050_050de	0.5	0.25	0.25	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
38/360	Y00G_050_050de	0.5	0.5	0.25	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
39/198	Y50G_050_050de	0.25	0.5	0.25	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
40/36	G00B_050_050de	0.0	0.5	0.25	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
41/40	G25B_050_050de	0.0	0.5	0.25	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
42/4	B00R_050_050de	0.0	0.5	0.25	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
43/324	B50R_050_050de	0.5	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
44/324	R00Y_050_050de	0.5	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
45/0	NW_000de	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46/182	NW_015de	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
47/182	NW_025de	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
48/273	NW_030de	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375
49/364	NW_035de	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
50/455	NW_050de	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625
51/66	NW_065de	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
52/66	NW_080de	0.875	0.875	0.875	0.875	0.875	0.875	0.875	0.875	0.875	0.875	0.875	0.875	0.875	0.875	0.875	0.875	0.875
53/728	NW_100de	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

delta

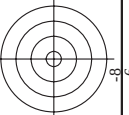


TUB material: code=rha4ta
cmyn6* (CMYK)

gráfico TUB-QS99; código de tono: H*_e=G50B_e

75090-7N 20/33-F

[illegible]

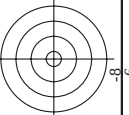


TUB material: code=rha4ta

entrada: *rgb/cmyk* -> *rgb*_{de}
salida: 3D-linealización a *cmyk** de

vea archivos semejantes: <http://130.149.60.45/~farbmatrik/QS99/QS99.HTM>
información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmatrik>

<i>n</i>	<i>HIC</i> * <i>F₁</i> <i>Δ</i>	<i>rgb</i> * <i>F₁</i> <i>Δ</i>	<i>lcr</i> * <i>F₁</i> <i>Δ</i>	<i>h_g</i> * <i>F₁</i> <i>Δ</i>	<i>rgb</i> * <i>F₁</i> <i>Δ</i>	<i>LabCH</i> * <i>F₁</i> <i>Δ</i>	<i>LabCH</i> * <i>F₁</i> <i>Δ</i>	<i>h_g</i> * <i>F₁</i> <i>Δ</i>	<i>cmv</i> * <i>exp</i> * <i>F₁</i> <i>Δ</i>	<i>rgb</i> * <i>F₁</i> <i>Δ</i>	<i>LabCH</i> * <i>F₁</i> <i>Δ</i>	<i>h_g</i> * <i>F₁</i> <i>Δ</i>	<i>delta</i>
81	R00Y_012_012Δe	0.125 0.0	0.125 0.0	0.125 0.062	0.125 0.0	0.032 26.8	7.0	0.0	0.0	0.0	0.0	0.0	0.0
82	B50R_012_021Δe	0.125 0.0	0.125 0.062	0.390	0.073 0.0	0.125 25.6	5.8	3.3	7.7	25.4	0.468	0.339	0.872
83	B25R_027_025Δe	0.125 0.0	0.125 0.062	330	0.034 0.0	0.125 25.6	5.8	3.3	6.8	328.6	0.018	0.379	0.924
84	B15R_037_037Δe	0.125 0.0	0.125 0.062	289	0.034 0.0	0.125 25.6	5.8	3.3	6.8	328.6	0.018	0.379	0.924
85	B11R_050_050Δe	0.125 0.0	0.125 0.062	289	0.034 0.0	0.125 25.6	5.8	3.3	6.8	328.6	0.018	0.379	0.924
86	B09R_062_062Δe	0.125 0.0	0.125 0.062	284	0.034 0.0	0.125 25.6	5.8	3.3	6.8	328.6	0.018	0.379	0.924
87	B07R_075_075Δe	0.125 0.0	0.125 0.062	281	0.034 0.0	0.125 25.6	5.8	3.3	6.8	328.6	0.018	0.379	0.924
88	B06R_087_087Δe	0.125 0.0	0.125 0.062	278	0.034 0.0	0.125 25.6	5.8	3.3	6.8	328.6	0.018	0.379	0.924
89	B05R_100_100Δe	0.125 0.0	0.125 0.062	277	0.034 0.0	0.125 25.6	5.8	3.3	6.8	328.6	0.018	0.379	0.924
90	Y00G_012_012Δe	0.125 0.0	0.125 0.062	90	0.125 0.062	0.125 36.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91	NW_012Δe	0.125 0.0	0.125 0.062	90	0.125 0.062	0.125 36.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92	B00R_025_012Δe	0.125 0.0	0.125 0.062	90	0.125 0.062	0.125 36.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
93	B00R_037_025Δe	0.125 0.0	0.125 0.062	90	0.125 0.062	0.125 36.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
94	B00R_050_037Δe	0.125 0.0	0.125 0.062	90	0.125 0.062	0.125 36.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95	B00R_062_050Δe	0.125 0.0	0.125 0.062	90	0.125 0.062	0.125 36.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
96	B00R_075_062Δe	0.125 0.0	0.125 0.062	90	0.125 0.062	0.125 36.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97	B00R_087_075Δe	0.125 0.0	0.125 0.062	90	0.125 0.062	0.125 36.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
98	B00R_100_087Δe	0.125 0.0	0.125 0.062	90	0.125 0.062	0.125 36.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99	Y50G_025_025Δe	0.125 0.0	0.125 0.062	90	0.125 0.062	0.125 36.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100	G00B_025_012Δe	0.125 0.0	0.125 0.062	90	0.125 0.062	0.125 36.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101	G00B_037_012Δe	0.125 0.0	0.125 0.062	90	0.125 0.062	0.125 36.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102	G00B_050_012Δe	0.125 0.0	0.125 0.062	90	0.125 0.062	0.125 36.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103	G00B_062_012Δe	0.125 0.0	0.125 0.062	90	0.125 0.062	0.125 36.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
104	G00B_075_012Δe	0.125 0.0	0.125 0.062	90	0.125 0.062	0.125 36.0	0.0	0.0	0.0	0.			



TUB material: code=rha4ta
cmyn6* (CMYK)

entrada: $rgb/cmyk \rightarrow rgb_{de}$
salida: 3D-linealización a $cmyk^*_{de}$

[illegible]

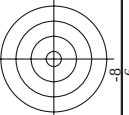
QS990-7N, 22/33-F

1000

1

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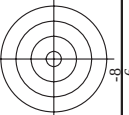
1



TUB material: code=rha4ta
cmyn6* (CMYK)

entrada: *rgb/cmyk* $\rightarrow$ *rgb*_{de}
salida: 3D-linealización a *cmyk**_{de}

[illegible]



TUB material: code=rha4ta
cmyn6* (CMYK)

entrada: *rgb/cmyk* -> *rgb*_{de}
salida: 3D-linealización a *cmyk** de

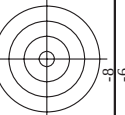
05990-7N 27/23-E

gráfico TUB-QS99; código de tono: H*_e=G50B_e

entrada: *rgb/cmyk* → *rgb*_{de}
salida: 3D-linealización a *cmyk** de

n	HC*File	rgb*File	ic*File	hsa*File	rgb*File	LabCh*File	cmyk*sepFile	rgb*File	hsa*File	LabCh*File	cmyk*sepFile	delta
648	R00Y_100_100de	1.0	0.0	0.0	0.0	47.5	56.0	0.0	0.0	0.0	0.0	0.0
649	R38Y_100_100de	1.0	0.0	0.0	0.0	392	383	1.0	0.0	0.0	0.0	0.0
650	R26Y_100_100de	1.0	0.0	0.0	0.0	383	383	1.0	0.0	0.0	0.0	0.0
651	R13Y_100_100de	1.0	0.0	0.0	0.0	376	376	1.0	0.0	0.0	0.0	0.0
652	R00Y_100_100de	1.0	0.0	0.0	0.0	368	368	1.0	0.0	0.0	0.0	0.0
653	R68R_100_100de	1.0	0.0	0.0	0.0	360	360	1.0	0.0	0.0	0.0	0.0
654	B61R_100_100de	1.0	0.0	0.0	0.0	352	352	1.0	0.0	0.0	0.0	0.0
655	B55R_100_100de	1.0	0.0	0.0	0.0	347	347	1.0	0.0	0.0	0.0	0.0
656	B50R_100_100de	1.0	0.0	0.0	0.0	330	330	1.0	0.0	0.0	0.0	0.0
657	R11Y_100_100de	1.0	0.0	0.0	0.0	330	330	1.0	0.0	0.0	0.0	0.0
658	R00Y_100_100de	1.0	0.0	0.0	0.0	322	322	1.0	0.0	0.0	0.0	0.0
659	R30Y_100_100de	1.0	0.0	0.0	0.0	310	310	1.0	0.0	0.0	0.0	0.0
660	R23Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
661	R00Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
662	B70R_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
663	B63R_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
664	B56R_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
665	B50R_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
666	R23Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
667	R13Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
668	R00Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
669	R33Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
670	R18Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
671	R00Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
672	B63R_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
673	B56R_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
674	B50R_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
675	R36Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
676	R26Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
677	R15Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
678	R00Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
679	R31Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
680	R18Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
681	B69R_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
682	B62R_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
683	B56R_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
684	B50Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
685	R41Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
686	R31Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
687	R18Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
688	R00Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
689	R26Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
690	R00Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
691	B61R_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
692	B50R_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
693	R63Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
694	R38Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
695	R30Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
696	R23Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
697	R00Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
698	R00Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
699	R18Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
700	B63R_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
701	R76Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
702	R73Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
703	R70Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
704	R67Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
705	R64Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
706	R61Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
707	R58Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
708	R55Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
709	R52Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
710	R49Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
711	R46Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
712	R43Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
713	R40Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
714	R37Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
715	R34Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
716	R31Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
717	R28Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
718	R25Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
719	R22Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
720	R19Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
721	R16Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
722	R13Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
723	R10Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
724	R07Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
725	R04Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
726	R01Y_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
727	Y00G_100_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0
728	NW_100de	1.0	0.0	0.0	0.0	307	307	1.0	0.0	0.0	0.0	0.0

n	HC*File	rgb*File	ic*File	hsa*File	rgb*File	LabCh*File	cmyk*SepFile	hsa*File	rgb*File	LabCh*File	delta
729	NW_1000e	0.875	1.0	1.0	1.0	95.8	0.0	360	1.0	95.8	0.0
730	G50B_100.0124e	0.875	1.0	1.0	1.0	95.8	0.036	360	1.0	95.8	0.0
731	G50B_100.0254e	0.875	1.0	1.0	1.0	95.8	0.093	360	1.0	95.8	0.0
732	G50B_100.0374e	0.875	1.0	1.0	1.0	95.8	0.150	360	1.0	95.8	0.0
733	G50B_100.0504e	0.875	1.0	1.0	1.0	95.8	0.207	360	1.0	95.8	0.0
734	G50B_100.0624e	0.875	1.0	1.0	1.0	95.8	0.264	360	1.0	95.8	0.0
735	G50B_100.0744e	0.875	1.0	1.0	1.0	95.8	0.321	360	1.0	95.8	0.0
736	G50B_100.0864e	0.875	1.0	1.0	1.0	95.8	0.378	360	1.0	95.8	0.0
737	G50B_100.0984e	0.875	1.0	1.0	1.0	95.8	0.435	360	1.0	95.8	0.0
738	ROY_100.0100e	0.875	1.0	1.0	1.0	95.8	0.492	360	1.0	95.8	0.0
739	ROY_100.0124e	0.875	1.0	1.0	1.0	95.8	0.549	360	1.0	95.8	0.0
740	G50B_087.0124e	0.875	1.0	1.0	1.0	95.8	0.606	360	1.0	95.8	0.0
741	G50B_087.0254e	0.875	1.0	1.0	1.0	95.8	0.663	360	1.0	95.8	0.0
742	G50B_087.0374e	0.875	1.0	1.0	1.0	95.8	0.720	360	1.0	95.8	0.0
743	G50B_087.0504e	0.875	1.0	1.0	1.0	95.8	0.777	360	1.0	95.8	0.0
744	G50B_087.0624e	0.875	1.0	1.0	1.0	95.8	0.834	360	1.0	95.8	0.0
745	G50B_087.0744e	0.875	1.0	1.0	1.0	95.8	0.891	360	1.0	95.8	0.0
746	G50B_087.0864e	0.875	1.0	1.0	1.0	95.8	0.948	360	1.0	95.8	0.0
747	ROY_100.0254e	0.875	1.0	1.0	1.0	95.8	1.005	360	1.0	95.8	0.0
748	ROY_100.0374e	0.875	1.0	1.0	1.0	95.8	1.062	360	1.0	95.8	0.0
749	ROY_100.0504e	0.875	1.0	1.0	1.0	95.8	1.119	360	1.0	95.8	0.0
750	G50B_075.0124e	0.875	1.0	1.0	1.0	95.8	0.000	360	1.0	95.8	0.0
751	G50B_075.0254e	0.875	1.0	1.0	1.0	95.8	0.057	360	1.0	95.8	0.0
752	G50B_075.0374e	0.875	1.0	1.0	1.0	95.8	0.114	360	1.0	95.8	0.0
753	G50B_075.0504e	0.875	1.0	1.0	1.0	95.8	0.171	360	1.0	95.8	0.0
754	G50B_075.0624e	0.875	1.0	1.0	1.0	95.8	0.228	360	1.0	95.8	0.0
755	G50B_075.0744e	0.875	1.0	1.0	1.0	95.8	0.285	360	1.0	95.8	0.0
756	ROY_100.0374e	0.875	1.0	1.0	1.0	95.8	0.342	360	1.0	95.8	0.0
757	ROY_100.0504e	0.875	1.0	1.0	1.0	95.8	0.399	360	1.0	95.8	0.0
758	ROY_075.0124e	0.875	1.0	1.0	1.0	95.8	0.456	360	1.0	95.8	0.0
759	G50B_062.0124e	0.875	1.0	1.0	1.0	95.8	0.513	360	1.0	95.8	0.0
760	G50B_062.0254e	0.875	1.0	1.0	1.0	95.8	0.570	360	1.0	95.8	0.0
761	G50B_062.0374e	0.875	1.0	1.0	1.0	95.8	0.627	360	1.0	95.8	0.0
762	G50B_062.0504e	0.875	1.0	1.0	1.0	95.8	0.684	360	1.0	95.8	0.0
763	G50B_062.0624e	0.875	1.0	1.0	1.0	95.8	0.741	360	1.0	95.8	0.0
764	ROY_100.0504e	0.875	1.0	1.0	1.0	95.8	0.798	360	1.0	95.8	0.0
765	ROY_087.0374e	0.875	1.0	1.0	1.0	95.8	0.855	360	1.0	95.8	0.0
766	ROY_087.0504e	0.875	1.0	1.0	1.0	95.8	0.912	360	1.0	95.8	0.0
767	ROY_087.0624e	0.875	1.0	1.0	1.0	95.8	0.969	360	1.0	95.8	0.0
768	ROY_087.0744e	0.875	1.0	1.0	1.0	95.8	1.026	360	1.0	95.8	0.0
769	ROY_087.0864e	0.875	1.0	1.0	1.0	95.8	1.083	360	1.0	95.8	0.0
770	G50B_050.0124e	0.875	1.0	1.0	1.0	95.8	0.000	360	1.0	95.8	0.0
771	G50B_050.0254e	0.875	1.0	1.0	1.0	95.8	0.057	360	1.0	95.8	0.0
772	G50B_050.0374e	0.875	1.0	1.0	1.0	95.8	0.114	360	1.0	95.8	0.0
773	G50B_050.0504e	0.875	1.0	1.0	1.0	95.8	0.171	360	1.0	95.8	0.0
774	ROY_100.0624e	0.875	1.0	1.0	1.0	95.8	0.228	360	1.0	95.8	0.0
775	ROY_087.0504e	0.875	1.0	1.0	1.0	95.8	0.285	360	1.0	95.8	0.0
776	ROY_087.0624e	0.875	1.0	1.0	1.0	95.8	0.342	360	1.0	95.8	0.0
777	ROY_087.0744e	0.875	1.0	1.0	1.0	95.8	0.399	360	1.0	95.8	0.0
778	ROY_087.0864e	0.875	1.0	1.0	1.0	95.8	0.456	360	1.0	95.8	0.0
779	NW_0374e	0.875	1.0	1.0	1.0	95.8	0.513	360	1.0	95.8	0.0
780	G50B_037.0124e	0.875	1.0	1.0	1.0	95.8	0.570	360	1.0	95.8	0.0
781	G50B_037.0254e	0.875	1.0	1.0	1.0	95.8	0.627	360	1.0	95.8	0.0
782	G50B_037.0374e	0.875	1.0	1.0	1.0	95.8	0.684	360	1.0	95.8	0.0
783	ROY_100.0744e	0.875	1.0	1.0	1.0	95.8	0.741	360	1.0	95.8	0.0
784	ROY_100.0864e	0.875	1.0	1.0	1.0	95.8	0.798	360	1.0	95.8	0.0
785	G50B_062.0984e	0.875	1.0	1.0	1.0	95.8	0.855	360	1.0	95.8	0.0
786	ROY_062.0374e	0.875	1.0	1.0	1.0	95.8	0.912	360	1.0	95.8	0.0
787	ROY_050.0124e	0.875	1.0	1.0	1.0	95.8	0.969	360	1.0	95.8	0.0
788	ROY_037.0124e	0.875	1.0	1.0	1.0	95.8	1.026	360	1.0	95.8	0.0
789	NW_0254e	0.875	1.0	1.0	1.0	95.8	1.083	360	1.0	95.8	0.0
790	G50B_025.0124e	0.875	1.0	1.0	1.0	95.8	1.140	360	1.0	95.8	0.0
791	G50B_025.0254e	0.875	1.0	1.0	1.0	95.8	1.197	360	1.0	95.8	0.0
792	ROY_100.0864e	0.875	1.0	1.0	1.0	95.8	1.254	360	1.0	95.8	0.0
793	ROY_087.0744e	0.875	1.0	1.0	1.0	95.8	1.311	360	1.0	95.8	0.0
794	ROY_075.0624e	0.875	1.0	1.0	1.0	95.8	1.368	360	1.0	95.8	0.0
795	ROY_062.0504e	0.875	1.0	1.0	1.0	95.8	1.425	360	1.0	95.8	0.0
796	ROY_050.0374e	0.875	1.0	1.0	1.0	95.8	1.482	360	1.0	95.8	0.0
797	ROY_037.0254e	0.875	1.0	1.0	1.0	95.8	1.539	360	1.0	95.8	0.0
798	ROY_025.0124e	0.875	1.0	1.0	1.0	95.8	1.596	360	1.0	95.8	0.0
799	NW_0124e	0.875	1.0	1.0	1.0	95.8	1.653	360	1.0	95.8	0.0
800	G50B_012.0124e	0.875	1.0	1.0	1.0	95.8	1.710	360	1.0	95.8	0.0
801	ROY_100.1000e	0.875	1.0	1.0	1.0	95.8	1.767	360	1.0	95.8	0.0
802	ROY_087.0864e	0.875	1.0	1.0	1.0	95.8	1.824	360	1.0	95.8	0.0
803	ROY_075.0744e	0.875	1.0	1.0	1.0	95.8	1.881	360	1.0	95.8	0.0
804	ROY_062.0624e	0.875	1.0	1.0	1.0	95.8	1.938	360	1.0	95.8	0.0
805	ROY_050.0504e	0.875	1.0	1.0	1.0	95.8	1.995	360	1.0	95.8	0.0
806	ROY_037.0374e	0.875	1.0	1.0	1.0	95.8	2.052	360	1.0	95.8	0.0
807	ROY_025.0254e	0.875	1.0	1.0	1.0	95.8	2.109	360	1.0	95.8	0.0
808	ROY_012.0124e	0.875	1.0	1.0	1.0	95.8	2.166	360	1.0	95.8	0.0
809	NW_0000e	0.875	1.0	1.0	1.0	95.8	2.223	360	1.0	95.8	0.0



TUB material: code=rha4ta
cmyn6* (CMYK)

entrada: *rgb/cmyk* -> *rgb*
salida: 3D-linealización a *cmyk**

2-1132930-F0
QS990-7N, 3033-F

entrada: *rgb/cmyk* -> *rgb*
salida: 3D-linealización a *cmyk**

n	HC*File	rgb_File	icc_File	hsa_File	rgb*File	LabCh*File	cmyk*sep_File	delta	delta
891	NW_100de	1.0	1.0	1.0	1.0	95.8	0.0	0.0	0.0
892	B50R_100.012de	0.875	1.0	0.125	0.937	94.8	0.0	0.0	0.0
893	B50R_100.025de	0.75	1.0	0.25	0.875	93.8	0.0	0.0	0.0
894	B50R_100.037de	0.625	1.0	0.375	0.812	92.8	0.0	0.0	0.0
895	B50R_100.050de	0.5	1.0	0.5	0.75	91.8	0.0	0.0	0.0
896	B50R_100.062de	0.375	1.0	0.625	0.687	90.8	0.0	0.0	0.0
897	B50R_100.075de	0.25	1.0	0.75	0.625	89.8	0.0	0.0	0.0
898	B50R_100.087de	0.125	1.0	0.875	0.562	88.8	0.0	0.0	0.0
899	B50R_100.100de	0.0	1.0	1.0	0.5	87.8	0.0	0.0	0.0
900	GOB_100.012de	0.875	1.0	0.125	0.937	95.8	0.0	0.0	0.0
901	NW_087de	0.875	0.875	0.875	0.875	94.8	0.0	0.0	0.0
902	B50R_087.012de	0.875	0.875	0.875	0.875	93.8	0.0	0.0	0.0
903	B50R_087.025de	0.875	0.875	0.875	0.875	92.8	0.0	0.0	0.0
904	B50R_087.037de	0.875	0.875	0.875	0.875	91.8	0.0	0.0	0.0
905	B50R_087.050de	0.875	0.875	0.875	0.875	90.8	0.0	0.0	0.0
906	B50R_087.062de	0.875	0.875	0.875	0.875	89.8	0.0	0.0	0.0
907	B50R_087.075de	0.875	0.875	0.875	0.875	88.8	0.0	0.0	0.0
908	B50R_087.087de	0.875	0.875	0.875	0.875	87.8	0.0	0.0	0.0
909	GOB_100.025de	0.75	1.0	0.25	0.875	95.8	0.0	0.0	0.0
910	GOB_100.037de	0.625	1.0	0.375	0.812	94.8	0.0	0.0	0.0
911	NW_075de	0.75	0.75	0.75	0.75	93.8	0.0	0.0	0.0
912	B50R_075.012de	0.75	0.75	0.75	0.75	92.8	0.0	0.0	0.0
913	B50R_075.025de	0.75	0.75	0.75	0.75	91.8	0.0	0.0	0.0
914	B50R_075.037de	0.75	0.75	0.75	0.75	90.8	0.0	0.0	0.0
915	B50R_075.050de	0.75	0.75	0.75	0.75	89.8	0.0	0.0	0.0
916	B50R_075.062de	0.75	0.75	0.75	0.75	88.8	0.0	0.0	0.0
917	B50R_075.075de	0.75	0.75	0.75	0.75	87.8	0.0	0.0	0.0
918	GOB_100.037de	0.625	1.0	0.375	0.812	95.8	0.0	0.0	0.0
919	GOB_100.050de	0.5	1.0	0.5	0.75	94.8	0.0	0.0	0.0
920	GOB_075.012de	0.625	0.625	0.625	0.625	93.8	0.0	0.0	0.0
921	NW_062de	0.625	0.625	0.625	0.625	92.8	0.0	0.0	0.0
922	B50R_062.012de	0.625	0.625	0.625	0.625	91.8	0.0	0.0	0.0
923	B50R_062.025de	0.625	0.625	0.625	0.625	90.8	0.0	0.0	0.0
924	B50R_062.037de	0.625	0.625	0.625	0.625	89.8	0.0	0.0	0.0
925	B50R_062.050de	0.625	0.625	0.625	0.625	88.8	0.0	0.0	0.0
926	B50R_062.062de	0.625	0.625	0.625	0.625	87.8	0.0	0.0	0.0
927	GOB_100.050de	0.5	1.0	0.5	0.75	95.8	0.0	0.0	0.0
928	GOB_087.037de	0.5	0.875	0.5	0.875	94.8	0.0	0.0	0.0
929	GOB_075.025de	0.5	0.75	0.5	0.75	93.8	0.0	0.0	0.0
930	GOB_062.012de	0.5	0.625	0.5	0.625	92.8	0.0	0.0	0.0
931	NW_050de	0.5	0.5	0.5	0.5	91.8	0.0	0.0	0.0
932	B50R_050.012de	0.5	0.375	0.5	0.375	90.8	0.0	0.0	0.0
933	B50R_050.025de	0.5	0.25	0.5	0.25	89.8	0.0	0.0	0.0
934	B50R_050.037de	0.5	0.125	0.5	0.125	88.8	0.0	0.0	0.0
935	B50R_050.050de	0.5	0.0	0.5	0.0	87.8	0.0	0.0	0.0
936	GOB_100.062de	0.375	1.0	0.625	0.687	95.8	0.0	0.0	0.0
937	GOB_087.050de	0.375	0.875	0.375	0.875	94.8	0.0	0.0	0.0
938	GOB_075.037de	0.375	0.75	0.375	0.75	93.8	0.0	0.0	0.0
939	GOB_062.025de	0.375	0.625	0.375	0.625	92.8	0.0	0.0	0.0
940	NW_037de	0.375	0.375	0.375	0.375	91.8	0.0	0.0	0.0
941	B50R_037.012de	0.375	0.375	0.375	0.375	90.8	0.0	0.0	0.0
942	B50R_037.025de	0.375	0.375	0.375	0.375	89.8	0.0	0.0	0.0
943	B50R_037.037de	0.375	0.375	0.375	0.375	88.8	0.0	0.0	0.0
944	GOB_100.075de	0.25	1.0	0.75	0.625	95.8	0.0	0.0	0.0
945	GOB_087.062de	0.25	0.875	0.25	0.875	94.8	0.0	0.0	0.0
946	GOB_075.050de	0.25	0.75	0.25	0.75	93.8	0.0	0.0	0.0
947	GOB_062.037de	0.25	0.625	0.25	0.625	92.8	0.0	0.0	0.0
948	GOB_050.025de	0.25	0.5	0.25	0.5	91.8	0.0	0.0	0.0
949	GOB_037.012de	0.25	0.375	0.25	0.375	90.8	0.0	0.0	0.0
950	NW_025de	0.25	0.25	0.25	0.25	89.8	0.0	0.0	0.0
951	B50R_025.012de	0.25	0.25	0.25	0.25	88.8	0.0	0.0	0.0
952	B50R_025.025de	0.25	0.25	0.25	0.25	87.8	0.0	0.0	0.0
953	GOB_100.087de	0.125	1.0	0.875	0.562	95.8	0.0	0.0	0.0
954	GOB_087.075de	0.125	0.875	0.125	0.875	94.8	0.0	0.0	0.0
955	GOB_075.062de	0.125	0.75	0.125	0.75	93.8	0.0	0.0	0.0
956	GOB_062.050de	0.125	0.625	0.125	0.625	92.8	0.0	0.0	0.0
957	GOB_050.037de	0.125	0.5	0.125	0.5	91.8	0.0	0.0	0.0
958	GOB_037.025de	0.125	0.375	0.125	0.375	90.8	0.0	0.0	0.0
959	GOB_025.012de	0.125	0.25	0.125	0.25	89.8	0.0	0.0	0.0
960	NW_012de	0.125	0.125	0.125	0.125	88.8	0.0	0.0	0.0
961	B50R_012.012de	0.125	0.125	0.125	0.125	87.8	0.0	0.0	0.0
962	GOB_100.100de	0.0	1.0	0.0	0.0	95.8	0.0	0.0	0.0
963	GOB_087.087de	0.0	0.875	0.0	0.875	94.8	0.0	0.0	0.0
964	GOB_075.075de	0.0	0.75	0.0	0.75	93.8	0.0	0.0	0.0
965	GOB_062.062de	0.0	0.625	0.0	0.625	92.8	0.0	0.0	0.0
966	GOB_050.050de	0.0	0.5	0.0	0.5	91.8	0.0	0.0	0.0
967	GOB_037.037de	0.0	0.375	0.0	0.375	90.8	0.0	0.0	0.0
968	GOB_025.025de	0.0	0.25	0.0	0.25	89.8	0.0	0.0	0.0
969	GOB_012.012de	0.0	0.125	0.0	0.125	88.8	0.0	0.0	0.0
970	NW_000de	0.0	0.0	0.0	0.0	87.8	0.0	0.0	0.0
971	NW_000de	0.0	0.0	0.0	0.0	86.8	0.0	0.0	0.0



TUB material: code=rha4ta
cmyn6* (CMYK)

entrada: $rgb/cmyk -> rgb_{de}$
salida: 3D-linealización a $cmyk^*$ de

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gráfico TUB-QS99; código de tono: H_e^{*}=G50Be
colores y diferencia en color, ΔE^{*}_{ab}

http://130.149.60.45/~farbmetrik/QS99/QS99L0FP.PDF /.PS; 3D-linealización
F: 3D-linealización QS99/QS99L30FP.DAT en archivo (F), página 33/33

n	HC*Fide	rgb_Fide	icF_Fide	hsa_Fide	rgb*Fide	LabCh*Fide	cmyn*_sep_Fide	0.019	0.02	0.164	hsa_Fide	rgb*Fide	LabCh*Fide	delta
1053	NW_086de	0.866	0.866	0.866	0.866	86.1	0.0	0.0	0.0	0.0	360	1.0	1.0	95.8
1054	NW_093de	0.933	0.933	0.933	0.933	93.3	0.0	0.0	0.0	0.0	360	1.0	1.0	95.8
1055	NW_100de	1.0	1.0	1.0	1.0	100.0	0.0	0.0	0.0	0.0	360	1.0	1.0	95.8
1056	NW_100de	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	95.8
1057	NW_006de	0.066	0.066	0.066	0.066	6.6	0.0	0.0	0.0	0.0	360	1.0	1.0	95.8
1058	NW_013de	0.133	0.133	0.133	0.133	13.3	0.0	0.0	0.0	0.0	360	1.0	1.0	95.8
1059	NW_020de	0.2	0.2	0.2	0.2	20.0	0.0	0.0	0.0	0.0	360	1.0	1.0	95.8
1060	NW_026de	0.266	0.266	0.266	0.266	26.6	0.0	0.0	0.0	0.0	360	1.0	1.0	95.8
1061	NW_033de	0.333	0.333	0.333	0.333	33.3	0.0	0.0	0.0	0.0	360	1.0	1.0	95.8
1062	NW_040de	0.4	0.4	0.4	0.4	40.0	0.0	0.0	0.0	0.0	360	1.0	1.0	95.8
1063	NW_046de	0.466	0.466	0.466	0.466	46.6	0.0	0.0	0.0	0.0	360	1.0	1.0	95.8
1064	NW_053de	0.533	0.533	0.533	0.533	53.3	0.0	0.0	0.0	0.0	360	1.0	1.0	95.8
1065	NW_060de	0.6	0.6	0.6	0.6	60.0	0.0	0.0	0.0	0.0	360	1.0	1.0	95.8
1066	NW_066de	0.666	0.666	0.666	0.666	66.6	0.0	0.0	0.0	0.0	360	1.0	1.0	95.8
1067	NW_073de	0.734	0.734	0.734	0.734	73.4	0.0	0.0	0.0	0.0	360	1.0	1.0	95.8
1068	NW_080de	0.8	0.8	0.8	0.8	80.0	0.0	0.0	0.0	0.0	360	1.0	1.0	95.8
1069	NW_086de	0.866	0.866	0.866	0.866	86.6	0.0	0.0	0.0	0.0	360	1.0	1.0	95.8
1070	NW_093de	0.933	0.933	0.933	0.933	93.3	0.0	0.0	0.0	0.0	360	1.0	1.0	95.8
1071	NW_100de	1.0	1.0	1.0	1.0	100.0	0.0	0.0	0.0	0.0	360	1.0	1.0	95.8
1072	NW_100de	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	95.8
1073	ROY_100_100de	1.0	1.0	1.0	1.0	100.0	0.0	0.0	0.0	0.0	360	1.0	1.0	95.8
1074	ROY_100_100de	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	95.8
1075	YOG_100_100de	1.0	1.0	1.0	1.0	100.0	0.0	0.0	0.0	0.0	360	1.0	1.0	95.8
1076	YOG_100_100de	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	95.8
1077	BOG_100_100de	1.0	1.0	1.0	1.0	100.0	0.0	0.0	0.0	0.0	360	1.0	1.0	95.8
1078	BOG_100_100de	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	95.8
1079	BSR_100_100de	1.0	1.0	1.0	1.0	100.0	0.0	0.0	0.0	0.0	360	1.0	1.0	95.8

entrada: rgb/cmyk -> rgbde
salida: 3D-linealización a cmyk*de

gráfico TUB-QS99; código de tono: H*=G50B_e
colores y diferencia en color, ΔE*

QS990-7N, 33/33-F

2-1133230-F0