

Entrada i salida: Printer Reflective System FRS06a

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

HIC^*

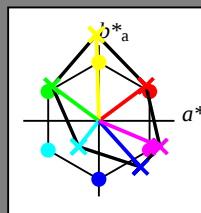
código de tono para los colores

esta página:

$H^*_e = R00Y-, R25Y-, ..., B75R-$

ORS20a; datos adaptados CIELAB (a)

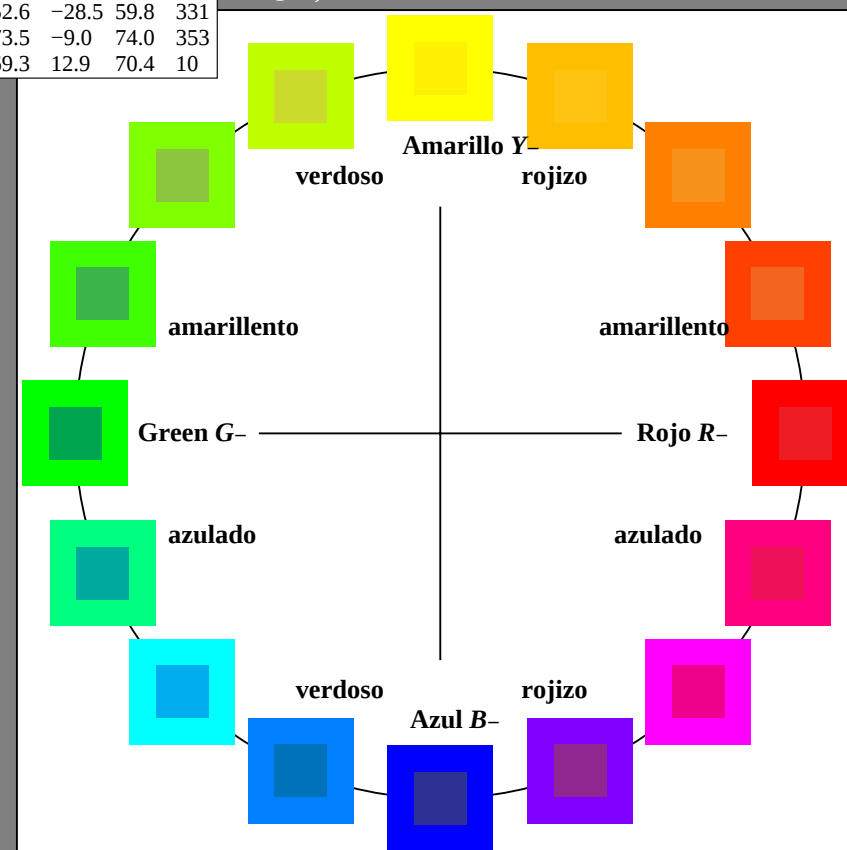
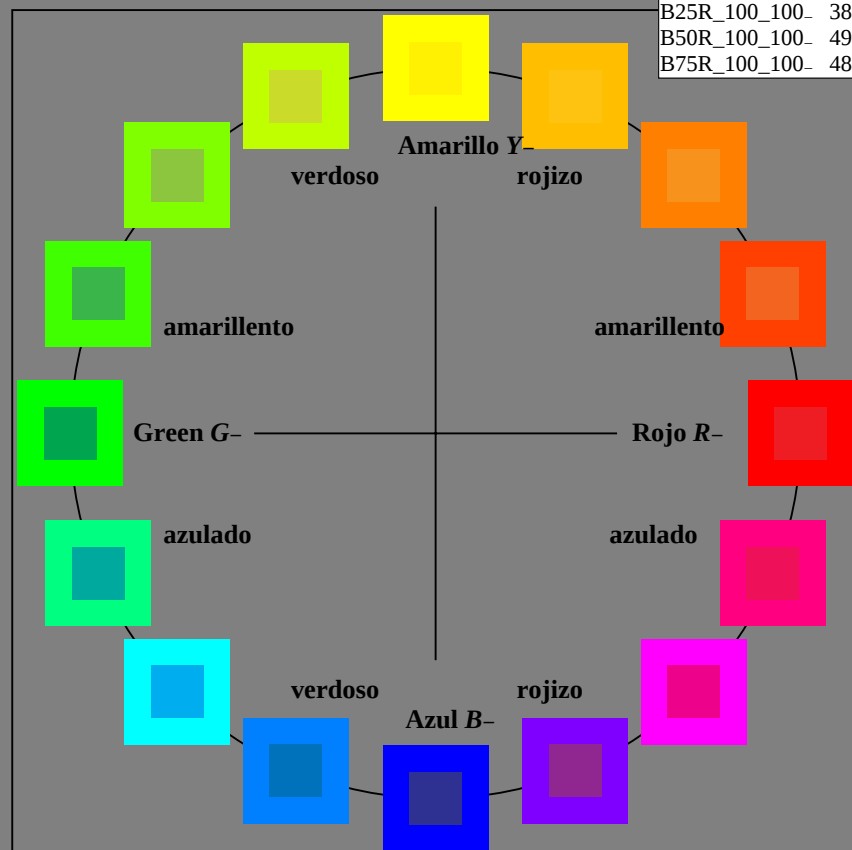
H^*_e	$L^*=L^*_a a^*_a$	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100_	48.4	66.1	40.2	77.3
R25Y_100_100_	56.8	48.0	50.5	69.6
R50Y_100_100_	68.6	25.0	63.9	68.6
R75Y_100_100_	80.6	4.8	77.2	77.3
Y00G_100_100_	90.2	-9.6	88.2	88.7
Y25G_100_100_	83.2	-18.4	79.9	81.9
Y50G_100_100_	73.3	-31.7	62.7	70.2
Y75G_100_100_	62.0	-49.7	43.2	65.8
G00B_100_100_	55.8	-65.2	33.8	73.4
G25B_100_100_	59.3	-50.3	-9.0	51.0
G50B_100_100_	63.0	-30.5	-42.0	51.9
G75B_100_100_	45.7	-5.7	-44.6	44.9
B00R_100_100_	27.5	25.9	-47.3	53.9
B25R_100_100_	38.3	52.6	-28.5	59.8
B50R_100_100_	49.5	73.5	-9.0	74.0
B75R_100_100_	48.9	69.3	12.9	70.4



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

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
Y-,Ma	82.7	-3.1	113.9	114.0
G-,Ma	39.4	-61.8	45.8	76.9
C-,Ma	47.8	-26.8	-34.2	43.4
B-,Ma	10.1	55.1	-61.0	82.2
M-,Ma	34.5	80.6	-33.9	87.5
N-,Ma	6.2	0.0	0.0	0.0
W-,Ma	91.9	0.0	0.0	0.0
R-,CIE	39.9	58.7	27.9	65.0
Y-,CIE	81.2	-2.8	71.5	71.6
G-,CIE	52.2	-42.4	13.6	44.5
B-,CIE	30.5	1.4	-46.4	46.4



2-103030-L0

SS090-7N

gráfico TUB-SS09; círculo de tono, 16 pasos
gráfico según a DIN 33872

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

Entrada i salida: Printer Reflective System FRS06a

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

HIC^*_d

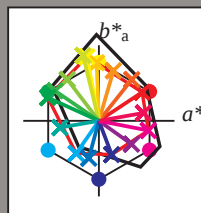
código de tono para los colores

esta página:

$H^*_d = R00Y_d, R25Y_d, \dots, B75R_d$

LRS18a; datos adaptados CIELAB (a)

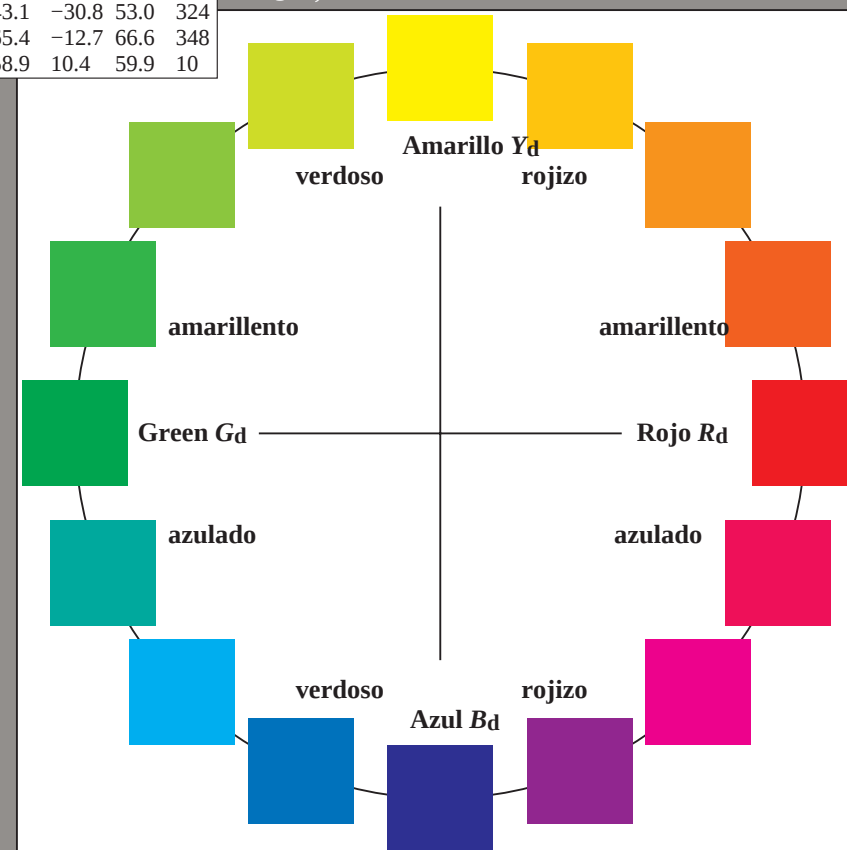
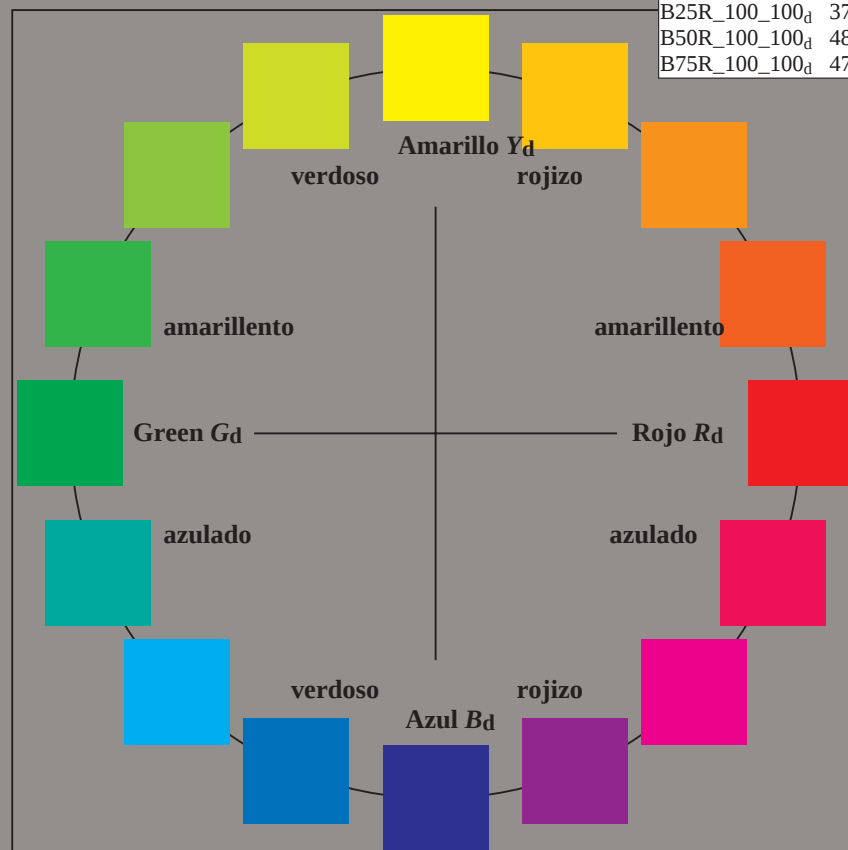
H^*_d	$L^*=L^*_a a^*_a$	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100_d	47.5	57.2	37.8	68.6
R25Y_100_100_d	57.4	43.5	54.5	69.7
R50Y_100_100_d	70.5	19.2	66.2	69.0
R75Y_100_100_d	83.5	-2.9	76.8	76.9
Y00G_100_100_d	91.5	-15.8	84.6	86.1
Y25G_100_100_d	90.4	-20.9	86.5	89.0
Y50G_100_100_d	70.9	-41.7	54.8	68.9
Y75G_100_100_d	60.1	-57.9	39.6	70.2
G00B_100_100_d	54.3	-67.6	30.8	74.3
G25B_100_100_d	55.0	-51.4	-8.9	52.2
G50B_100_100_d	53.1	-30.0	-43.1	52.5
G75B_100_100_d	46.1	-13.3	-49.4	51.1
B00R_100_100_d	32.5	16.9	-44.6	47.7
B25R_100_100_d	37.2	43.1	-30.8	53.0
B50R_100_100_d	48.1	65.4	-12.7	66.6
B75R_100_100_d	47.8	58.9	10.4	59.9



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

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
Y _d ,Ma	91.5	-15.8	84.6	86.1
G _d ,Ma	54.3	-67.6	30.8	74.3
C _d ,Ma	53.1	-30.0	-43.1	52.5
B _d ,Ma	32.5	16.9	-44.6	47.7
M _d ,Ma	48.1	65.4	-12.7	66.6
N _d ,Ma	23.8	0.0	0.0	0.0
W _d ,Ma	95.8	0.0	0.0	0.0
R _d ,CIE	39.9	58.7	27.9	65.0
Y _d ,CIE	81.2	-2.8	71.5	71.6
G _d ,CIE	52.2	-42.4	13.6	44.5
B _d ,CIE	30.5	1.4	-46.4	46.4

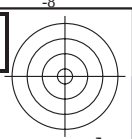


2-103130-L0

SS090-72

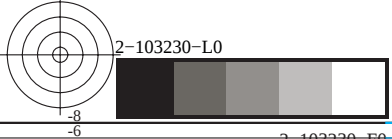
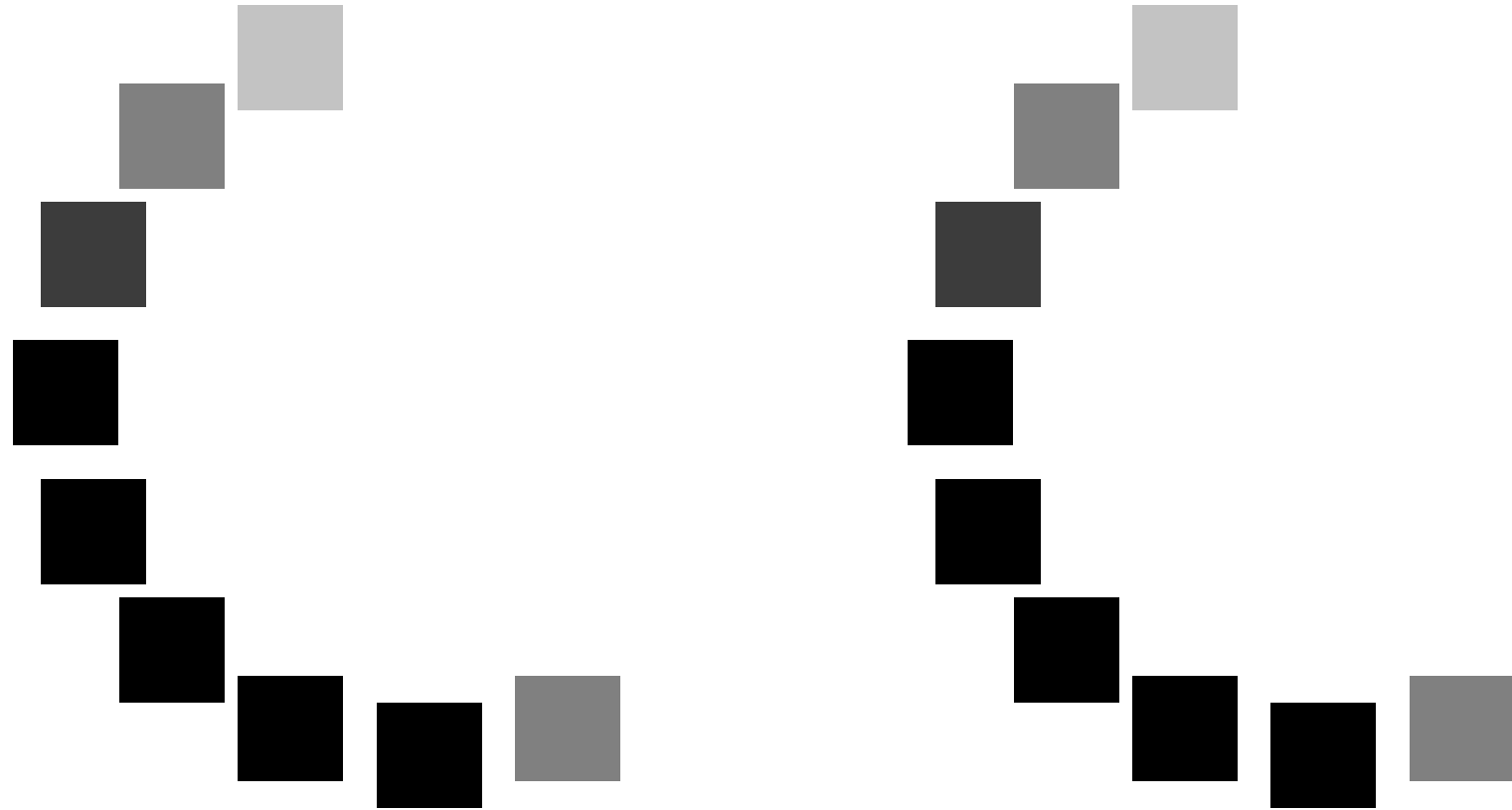
gráfico TUB-SS09; círculo de tono, 16 pasos
gráfico según a DIN 33872, 3D=1, de=0, cmyk*

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



vea archivos semejantes: <http://130.149.60.45/~farbmetrik/SS09/SS09.HTM>
información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

TUB matrícula: 20130201-SS09/SS09L0FA.TXT /.PS
aplicación para la medida salida de impresora láser, separación cm_{YK}^* (CMYK)
TUB material: code=rha4ta



SS090-72
gráfico TUB-SS09; círculo de tono, 16 pasos
gráfico según a DIN 33872, 3D=1, de=0, cm_{YK}^*

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

Entrada i salida: Printer Reflective System PRS06a

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

$H^*_{d,e}$

código de tono para los colores

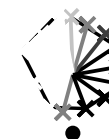
esta página:

$H^*_{d,e} = R00Y_{d,e}, R25Y_{d,e}, \dots, B75R_{d,e}$

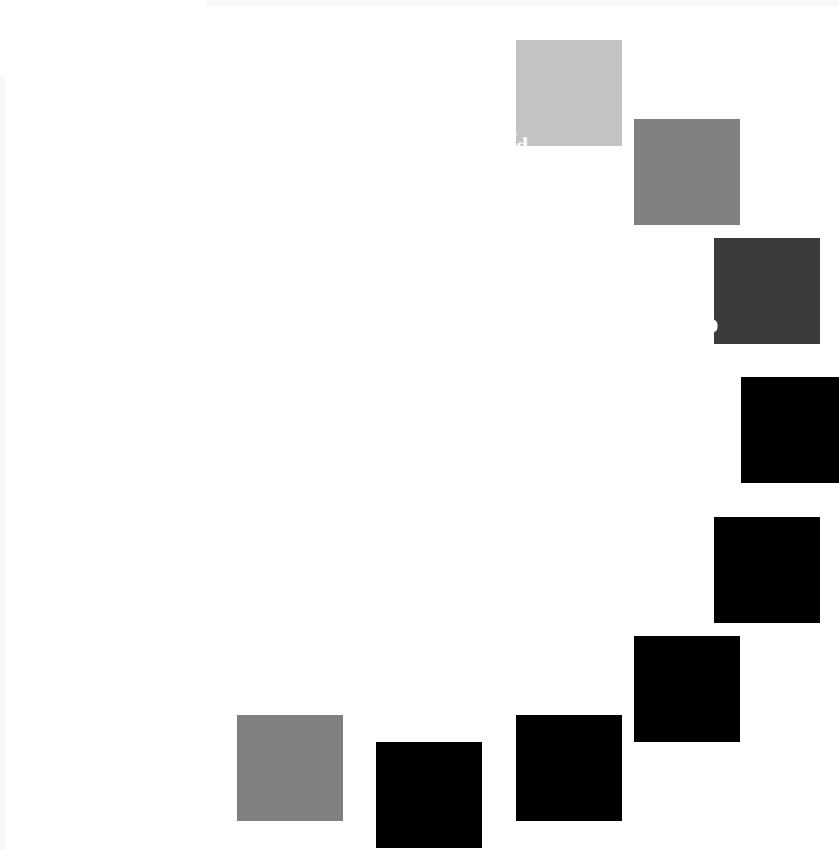
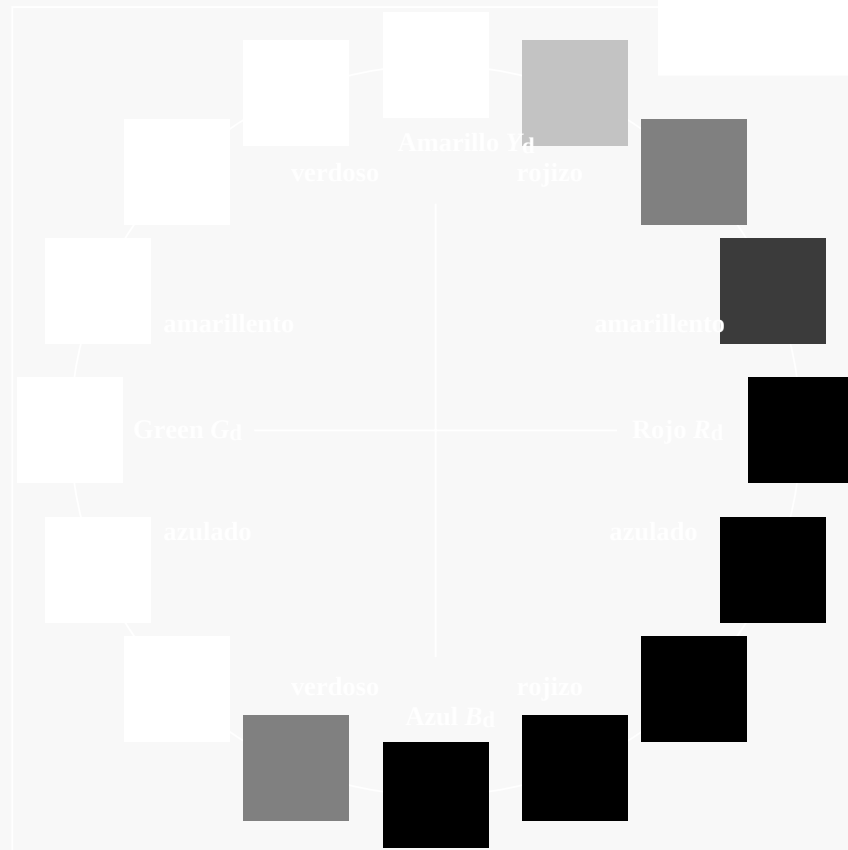
vea archivos semejantes: <http://130.149.60.45/~farbmetrik/SS09/SS09.HTM>
información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

TUB matrícula: 20130201-SS09/SS09L0FA.TXT /.PS
aplicación para la medida salida de impresora láser, separación cmyk* (CMYK)

TUB material: code=rha4ta



$u^*_{rel} = 114$
%Regularidad
 $g^*H_{rel} = 26$
 $g^*C_{rel} = 36$



SS090-72

gráfico TUB-SS09; círculo de tono, 16 pasos
gráfico según a DIN 33872, 3D=1, de=0, cmyk*

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

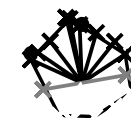


Entrada i salida: Printer Reflective System FRS06a

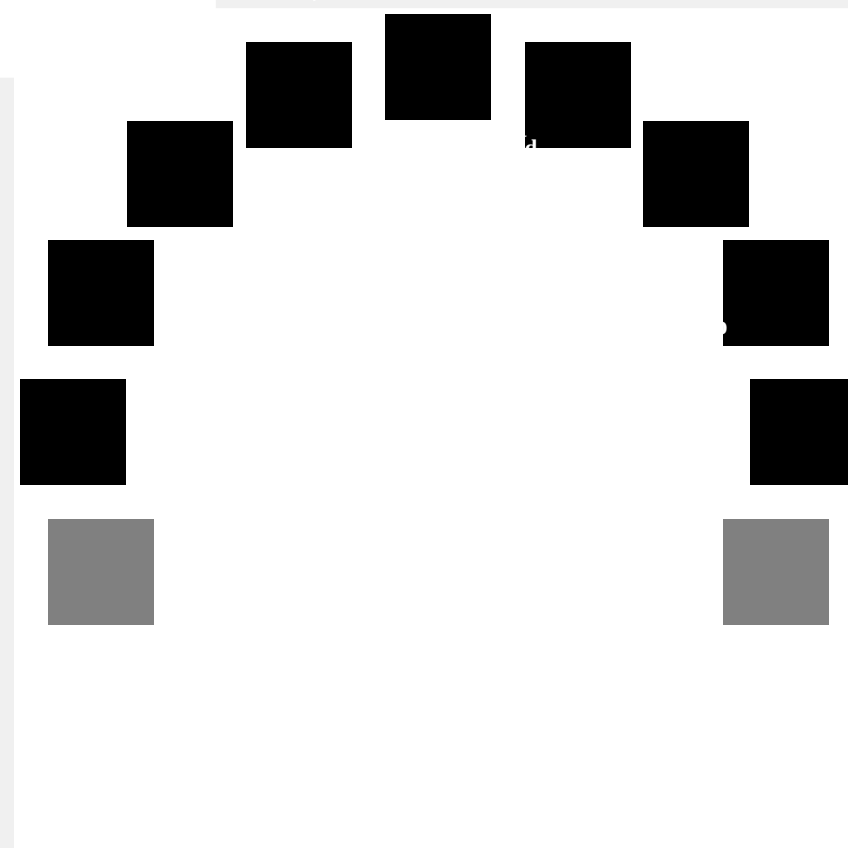
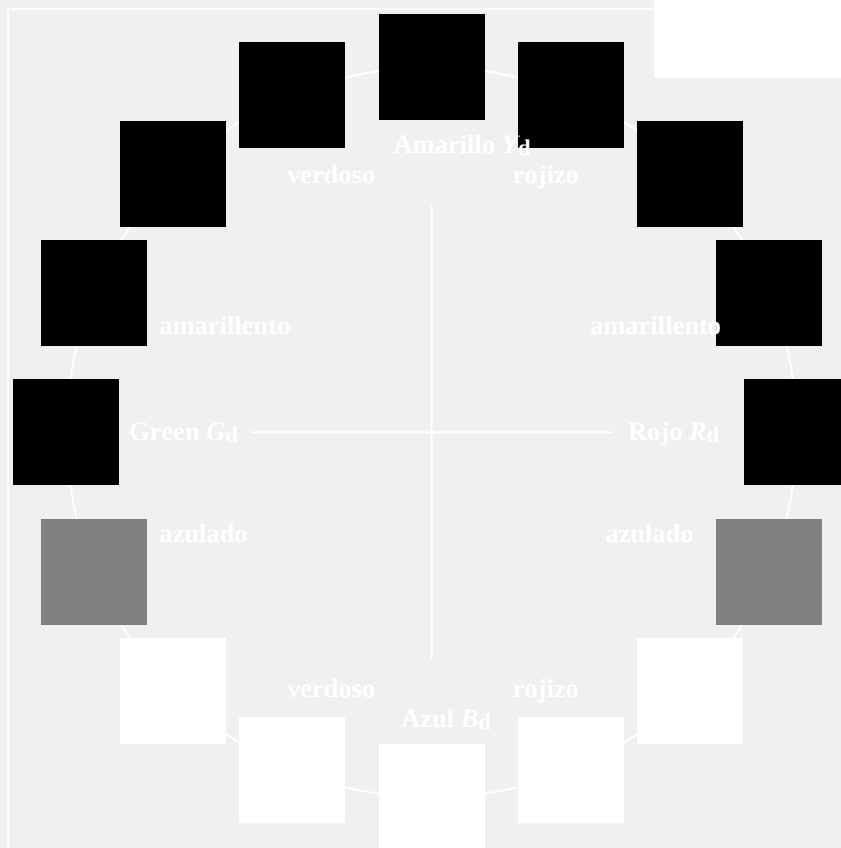
Datos del dispositivo (d) o
elemental (e) color:

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

$H^*_d = R00Y_d, R25Y_d, ..., B75R_d$



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



SS090-72
gráfico TUB-SS09; círculo de tono, 16 pasos
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

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

HIC^*_d

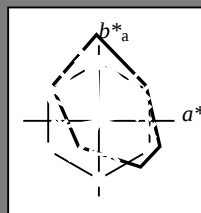
código de tono para les colores

esta página:

$H^*_d = R00Y_d, R25Y_d, \dots, B75R_d$

LRS18a; datos adaptados CIELAB (a)

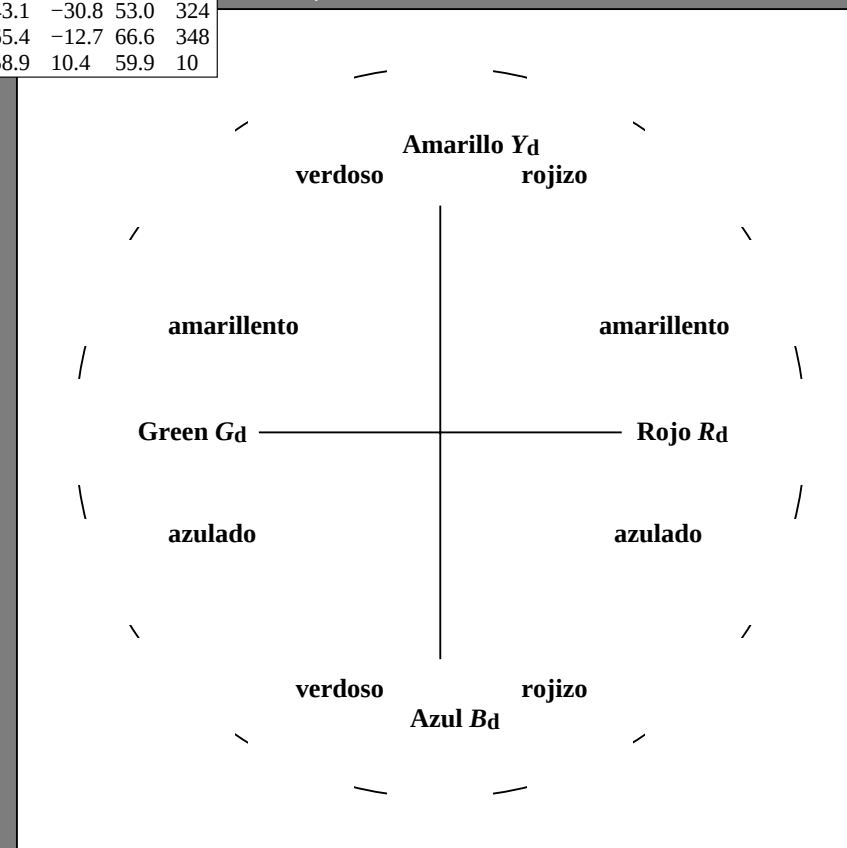
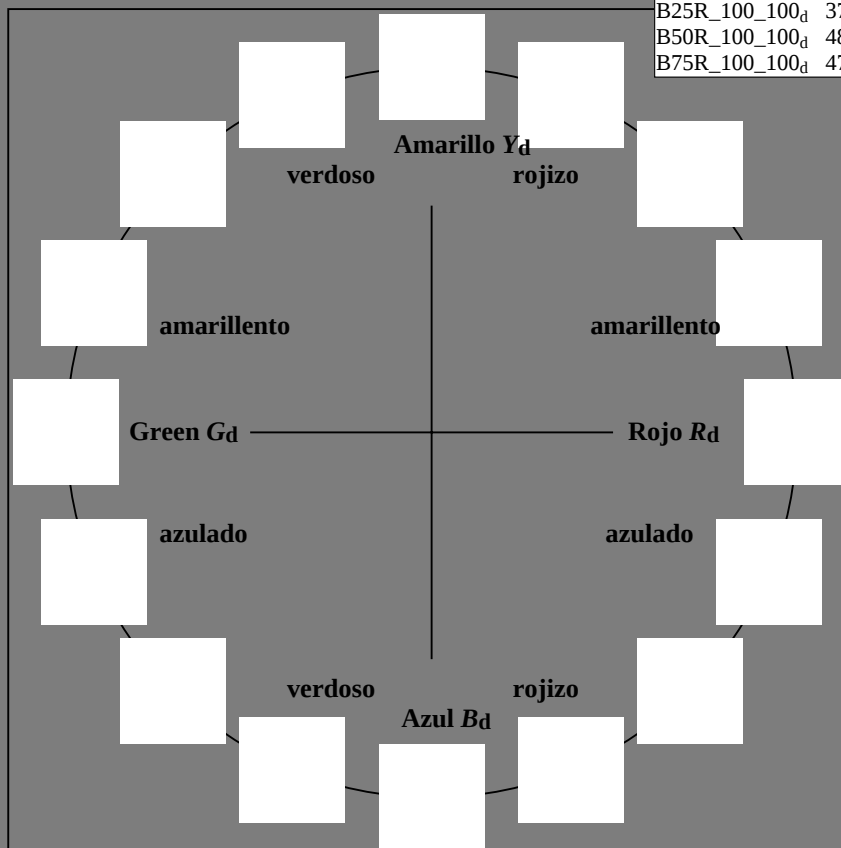
H^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100_d	47.5	57.2	37.8	68.6	33
R25Y_100_100_d	57.4	43.5	54.5	69.7	51
R50Y_100_100_d	70.5	19.2	66.2	69.0	73
R75Y_100_100_d	83.5	-2.9	76.8	76.9	92
Y00G_100_100_d	91.5	-15.8	84.6	86.1	100
Y25G_100_100_d	90.4	-20.9	86.5	89.0	103
Y50G_100_100_d	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



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

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



2-103530-L0

SS090-72

gráfico TUB-SS09; círculo de tono, 16 pasos
gráfico según a DIN 33872, 3D=1, de=0, cmyk*

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

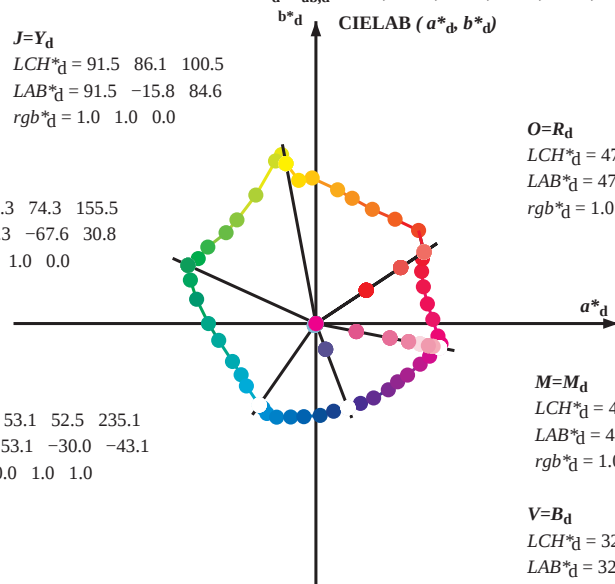
2-103530-F0

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 $RYGBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

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

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

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



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

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

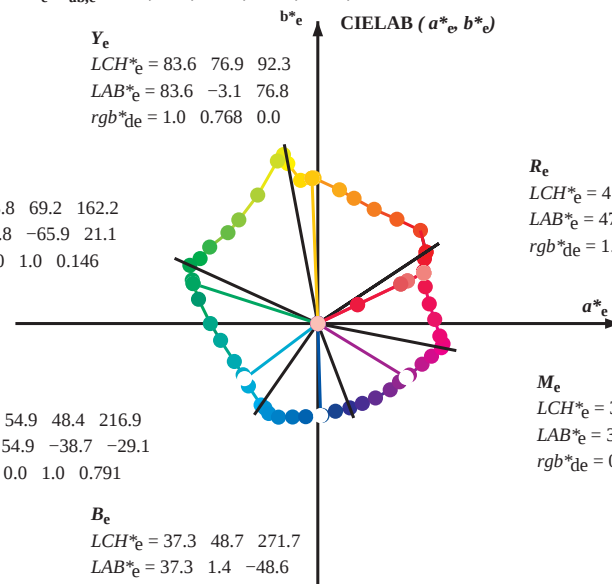
$V=B_d$
 $LCH^*_d = 32.5 \ 47.7 \ 290.8$
 $LAB^*_d = 32.5 \ 16.9 \ -44.6$
 $rgb^*_d = 0.0 \ 0.0 \ 1.0$

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

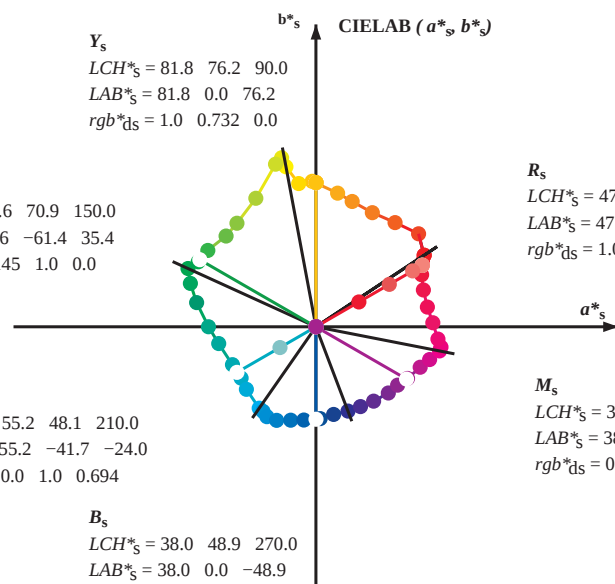


R_e
 $LCH^*_e = 47.5 \ 62.1 \ 25.4$
 $LAB^*_e = 47.5 \ 56.0 \ 26.7$
 $rgb^*_{de} = 1.0 \ 0.0 \ 0.263$

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

SS090-72

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 7/33

gráfico TUB-SS09; círculo de tono, 16 pasos

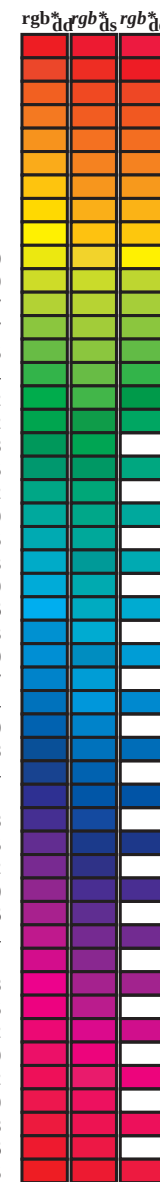
entrada: $rgb/cmyk \rightarrow rgb_{dd}$

círculo de tono, 48 pasos; $rgb-LabCh^*$ mesas, 3D=1, de=0, salida: 3D-linealización a $cmyk^*_{dd}$

2-103630-F0

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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	393.4	1.0 0.0 0.263 47.6	56.1 26.7 62.1 385



TUB matrícula: 20130201-SS09/SS09L0FA.TXT /PS
aplicación para la medida salida de impresora láser, separación cmyn6* (CMYK)

TUB material: code=rh4ta

2-103830-L0

SS090-72

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 9/33

gráfico TUB-SS09; círculo de tono, 16 pasos
círculo de tono, 48 pasos; $rgb-LabCh^*$ mesas, 3D=1, de=0, $cmyn6^*$

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

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

2-103830-F0

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}	$LAB^*_{dd361Mi}(x=LabCh)$	R_d	$rgb^*_{ds361Mi}$	$LAB^*_{ds361Mi}(x=LabCh)$	R_s	$rgb^*_{de361Mi}$	$LAB^*_{dex361Mi}(x=LabCh)$	R_e	$rgb^*_{dd361Mi}$	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	0.0	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 0.0	1.0	0.017 0.0	1.0
35	32	27	1.0	0.033 0.0	48.7	56.6	40.8	69.8	35	1.0	0.0	0.033 0.0	1.0	0.033 0.0	1.0
36	33	28	1.0	0.05 0.0	49.3	56.3	42.3	70.4	36	1.0	0.0	0.05 0.0	1.0	0.05 0.0	1.0
38	34	29	1.0	0.066 0.0	49.9	55.9	43.9	71.1	38	1.0	0.0	0.067 0.0	1.0	0.067 0.0	1.0
39	35	31	1.0	0.083 0.0	50.5	55.5	45.4	71.7	39	1.0	0.0	0.083 0.0	1.0	0.083 0.0	1.0
40	36	32	1.0	0.1 0.0	51.0	55.0	46.9	72.3	40	1.0	0.0	0.1 0.0	1.0	0.1 0.0	1.0
41	37	33	1.0	0.116 0.0	51.6	54.5	48.4	72.9	41	1.0	0.0	0.117 0.0	1.0	0.117 0.0	1.0
42	38	34	1.0	0.133 0.0	52.3	53.4	49.7	73.0	42	1.0	0.0	0.133 0.0	1.0	0.133 0.0	1.0
44	39	35	1.0	0.15 0.0	53.2	51.8	50.6	72.4	44	1.0	0.0	0.15 0.0	1.0	0.15 0.0	1.0
45	40	36	1.0	0.166 0.0	54.0	50.2	51.5	71.9	45	1.0	0.0	0.167 0.0	1.0	0.167 0.0	1.0
47	41	37	1.0	0.183 0.0	54.9	48.5	52.3	71.4	47	1.0	0.0	0.183 0.0	1.0	0.183 0.0	1.0
48	42	38	1.0	0.2 0.0	55.7	46.8	53.1	70.8	48	1.0	0.0	0.2 0.0	1.0	0.2 0.0	1.0
50	43	39	1.0	0.216 0.0	56.6	45.2	53.8	70.3	50	1.0	0.0	0.217 0.0	1.0	0.217 0.0	1.0
51	44	41	1.0	0.233 0.0	57.4	43.5	54.5	69.7	51	1.0	0.0	0.233 0.0	1.0	0.233 0.0	1.0
52	45	42	1.0	0.25 0.0	58.2	41.8	55.1	69.2	52	1.0	0.0	0.25 0.0	1.0	0.25 0.0	1.0
54	46	43	1.0	0.266 0.0	59.1	40.2	56.0	69.0	54	1.0	0.0	0.267 0.0	1.0	0.267 0.0	1.0
55	47	44	1.0	0.283 0.0	59.9	38.6	56.8	68.7	55	1.0	0.0	0.283 0.0	1.0	0.283 0.0	1.0
57	48	45	1.0	0.3 0.0	60.8	37.1	57.5	68.5	57	1.0	0.0	0.3 0.0	1.0	0.3 0.0	1.0
58	49	46	1.0	0.316 0.0	61.6	35.5	58.2	68.2	58	1.0	0.0	0.317 0.0	1.0	0.317 0.0	1.0
60	50	47	1.0	0.333 0.0	62.5	33.9	58.9	68.0	60	1.0	0.0	0.333 0.0	1.0	0.333 0.0	1.0
61	51	48	1.0	0.35 0.0	63.3	32.2	59.5	67.7	61	1.0	0.0	0.35 0.0	1.0	0.35 0.0	1.0
63	52	49	1.0	0.366 0.0	64.2	30.6	60.1	67.5	63	1.0	0.0	0.367 0.0	1.0	0.367 0.0	1.0
64	53	51	1.0	0.383 0.0	65.0	29.1	60.8	67.4	64	1.0	0.0	0.383 0.0	1.0	0.383 0.0	1.0
65	54	52	1.0	0.4 0.0	65.8	27.8	61.7	67.7	65	1.0	0.0	0.4 0.0	1.0	0.4 0.0	1.0
67	55	53	1.0	0.416 0.0	66.6	26.4	62.5	67.9	67	1.0	0.0	0.417 0.0	1.0	0.417 0.0	1.0
68	56	54	1.0	0.433 0.0	67.3	25.0	63.3	68.1	68	1.0	0.0	0.433 0.0	1.0	0.433 0.0	1.0
69	57	55	1.0	0.45 0.0	68.1	23.6	64.1	68.3	69	1.0	0.0	0.45 0.0	1.0	0.45 0.0	1.0
71	58	56	1.0	0.466 0.0	68.9	22.1	64.8	68.5	71	1.0	0.0	0.467 0.0	1.0	0.467 0.0	1.0
72	59	57	1.0	0.483 0.0	69.7	20.7	65.6	68.8	72	1.0	0.0	0.483 0.0	1.0	0.483 0.0	1.0
73	60	58	1.0	0.5 0.0	70.5	19.2	66.2	69.0	73	1.0	0.0	0.5 0.0	1.0	0.5 0.0	1.0
74	61	60	1.0	0.516 0.0	71.0	18.2	66.9	69.3	74	1.0	0.0	0.517 0.0	1.0	0.517 0.0	1.0
75	62	61	1.0	0.533 0.0	71.6	17.2	67.5	69.7	75	1.0	0.0	0.533 0.0	1.0	0.533 0.0	1.0
76	63	62	1.0	0.55 0.0	72.2	16.2	68.1	70.0	76	1.0	0.0	0.55 0.0	1.0	0.55 0.0	1.0
77	64	63	1.0	0.566 0.0	72.8	15.1	68.7	70.4	77	1.0	0.0	0.567 0.0	1.0	0.567 0.0	1.0
78	65	64	1.0	0.583 0.0	73.4	14.1	69.3	70.7	78	1.0	0.0	0.583 0.0	1.0	0.583 0.0	1.0
79	66	65	1.0	0.6 0.0	74.0	13.0	69.9	71.1	79	1.0	0.0	0.6 0.0	1.0	0.6 0.0	1.0
80	67	66	1.0	0.616 0.0	74.6	12.0	70.4	71.4	80	1.0	0.0	0.617 0.0	1.0	0.617 0.0	1.0
81	68	67	1.0	0.633 0.0	75.4	10.6	71.2	72.0	81	1.0	0.0	0.633 0.0	1.0	0.633 0.0	1.0
82	69	68	1.0	0.65 0.0	76.5	8.9	72.1	72.7	82	1.0	0.0	0.65 0.0	1.0	0.65 0.0	1.0
84	70	70	1.0	0.666 0.0	77.5	7.2	73.0	73.4	84	1.0	0.0	0.667 0.0	1.0	0.667 0.0	1.0
85	71	71	1.0	0.683 0.0	78.6	5.4	73.9	74.1	85	1.0	0.0	0.683 0.0	1.0	0.683 0.0	1.0
87	72	72	1.0	0.7 0.0	79.7	3.6	74.7	74.8	87	1.0	0.0	0.7 0.0	1.0	0.7 0.0	1.0
88	73	73	1.0	0.716 0.0	80.8	1.7	75.5	75.5	88	1.0	0.0	0.717 0.0	1.0	0.717 0.0	1.0
-269	74	74	1.0	0.733 0.0	81.8	-0.1	76.3	76.3	-269	1.0	0.0	0.733 0.0	1.0	0.733 0.0	1.0
-268	75	75	1.0	0.75 0.0	82.9	-2.0	76.9	77.0	-268	1.0	0.0	0.75 0.0	1.0	0.75 0.0	1.0

2-103930-L0 SS090-72 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-SS09; círculo de tono, 16 pasos

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

círculo de tono, 48 pasos; $rgb-LabCh^*$ mesas, 3D=1, de=0, $cmyk_{lab}$

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

2-103930-F0

vea archivos semejantes: <http://130.149.60.45/~farbmetrik/SS09/SS09.L0FA.TXT>
información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

TUB matrícula: 20130201-SS09/SS09L0FA.TXT /PS
aplicación para la medida salida de impresora láser, separacióncmyn6* (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 $RYGCBM_{\text{ds}}$: $h_{\text{ab,ds}} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours $RYGCBM_{\text{d}}$: $h_{\text{ab,d}} = 33.5, 100.6, 155.5, 235.2, 290.8, 348.9$; Six hue angles of the elementary colours $RYGCBM_{\text{e}}$: $h_{\text{ab,e}} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

Angles of the device colours R16C12, Lab _d (x=LabCh), Lab _s (x=LabCh), Lab _e (x=LabCh), Lab _e (x=LabCh), Lab _e (x=LabCh), Lab _e (x=LabCh), Lab _e (x=LabCh), Lab _e (x=LabCh), Lab _e (x=LabCh)										Angles of the elementary colours R16C12, Lab _d (x=LabCh), Lab _s (x=LabCh), Lab _e (x=LabCh), Lab _e (x=LabCh), Lab _e (x=LabCh), Lab _e (x=LabCh), Lab _e (x=LabCh), Lab _e (x=LabCh), Lab _e (x=LabCh)										Angles of the elementary colours R16C12, Lab _d (x=LabCh), Lab _s (x=LabCh), Lab _e (x=LabCh), Lab _e (x=LabCh), Lab _e (x=LabCh), Lab _e (x=LabCh), Lab _e (x=LabCh), Lab _e (x=LabCh), Lab _e (x=LabCh)																																																																																																																																																																																																																																																																																																												
h _{ab,d}	h _{ab,s}	h _{ab,e}	rgb* _{dd361Mi}	LAB* _{dd361Mi} (x=LabCh)	rgb* _{ds361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB* _{ds361Mi} (x=LabCh)	rgb* _{dd361Mi}	LAB

2-1031230-L0 SS090-72 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 13/33

gráfico TUB-SS09; círculo de tono, 16 pasos
círculo de tono, 48 pasos; $rgb-LabCh^*$ mesas, 3D=1, de=0, $cmyn6^*$

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

TUB matrícula: 20130201-SS09/SS09L0FA.TXT /PS
aplicación para la medida salida de impresora láser, separacióncmyn6* (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 $RYGCBM_r$: $h_{ab,rs} = 33.5, 100.6, 155.5, 235.2, 290.8, 348.9$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,es} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

[illegible]

2-1031330-L0	SS090-72	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 14/36

gráfico TUB-SS09; círculo de tono, 16 pasos

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

círculo de tono, 48 pasos; *rgb-LabCh** mesas, 3D=1, de=0, *valida*: 3D-linealización a *cmyk**_{dc}

cm³da: 3D-linealización a cm³dc

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* dsx361Mi (x=LabCh)	rgb* ds361Mi	LAB* dsx361Mi (x=LabCh)	rgb* dd361Mi	LAB* de361Mi	rgb* de361Mi	LAB* dex361Mi (x=LabCh)	rgb* dd361Mi	rgb* dd361Mi	rgb* dd361Mi	rgb* dd361Mi
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
310	287	288	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
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
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
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
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
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
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
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
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
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
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
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
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
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

2-1031430-L0

SS090-72

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-SS09; círculo de tono, 16 pasos
círculo de tono, 48 pasos; rgb-LabCh*mesas, 3D=1, de=0, cmyn6*

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

TUB matrícula: 20130201-SS09/SS09L0FA.TXT /PS
aplicación para la medida salida de impresora láser, separacióncmyn6* (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}	$LAB^*_{dd361Mi}$ (x=LabCh)	$rgb^*_{ds361Mi}$	$LAB^*_{ds361Mi}$ (x=LabCh)	$rgb^*_{dd361Mi}$	$LAB^*_{de361Mi}$	$rgb^*_{dex361Mi}$ (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	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	0.733
356	347	344	1.0	0.0	0.716	48.9	63.9	-4.1	64.0	356	0.951	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	0.7
358	349	346	1.0	0.0	0.683	48.6	63.2	-1.8	63.2	358	1.0	0.0	0.683
359	350	347	1.0	0.0	0.666	48.4	62.8	-0.6	62.8	359	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	0.65
361	352	349	1.0	0.0	0.633	48.0	62.0	1.5	62.0	361	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	0.617
363	354	351	1.0	0.0	0.6	47.9	61.3	3.8	61.4	363	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	0.583
365	356	353	1.0	0.0	0.566	47.9	60.6	6.0	60.9	365	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	0.55
367	358	355	1.0	0.0	0.533	47.8	59.8	8.2	60.4	367	1.0	0.0	0.533
368	359	356	1.0	0.0	0.516	47.8	59.4	9.3	60.1	368	1.0	0.0	0.517
370	360	352	1.0	0.0	0.5	47.8	58.9	10.4	59.9	370	1.0	0.0	0.5
371	361	353	1.0	0.0	0.483	47.7	58.7	11.6	59.9	371	1.0	0.0	0.483
372	362	354	1.0	0.0	0.466	47.7	58.5	12.8	59.9	372	1.0	0.0	0.467
373	363	355	1.0	0.0	0.45	47.6	58.3	14.0	59.9	373	1.0	0.0	0.45
374	364	356	1.0	0.0	0.433	47.5	58.0	15.2	60.0	374	1.0	0.0	0.433
375	365	357	1.0	0.0	0.416	47.5	57.7	16.5	60.0	375	1.0	0.0	0.417
377	366	358	1.0	0.0	0.4	47.4	57.3	17.7	60.0	377	1.0	0.0	0.4
378	367	359	1.0	0.0	0.383	47.4	57.0	18.9	60.0	378	1.0	0.0	0.383
379	368	360	1.0	0.0	0.366	47.4	56.8	20.0	60.2	379	1.0	0.0	0.367
380	369	362	1.0	0.0	0.35	47.4	56.7	21.1	60.5	380	1.0	0.0	0.35
381	370	363	1.0	0.0	0.333	47.4	56.6	22.1	60.8	381	1.0	0.0	0.333
382	371	364	1.0	0.0	0.316	47.4	56.5	23.2	61.1	382	1.0	0.0	0.317
383	372	365	1.0	0.0	0.3	47.5	56.4	24.3	61.4	383	1.0	0.0	0.3
384	373	366	1.0	0.0	0.283	47.5	56.2	25.4	61.7	384	1.0	0.0	0.283
385	374	367	1.0	0.0	0.266	47.5	56.1	26.5	62.0	385	1.0	0.0	0.267
386	375	368	1.0	0.0	0.25	47.5	55.9	27.5	62.3	386	1.0	0.0	0.25
386	376	369	1.0	0.0	0.233	47.5	56.0	28.4	62.8	386	1.0	0.0	0.233
387	377	370	1.0	0.0	0.216	47.6	56.1	29.3	63.3	387	1.0	0.0	0.217
388	378	372	1.0	0.0	0.2	47.6	56.1	30.2	63.8	388	1.0	0.0	0.2
388	379	373	1.0	0.0	0.183	47.6	56.2	31.1	64.2	388	1.0	0.0	0.183
389	380	374	1.0	0.0	0.166	47.6	56.3	32.0	64.7	389	1.0	0.0	0.167
390	381	375	1.0	0.0	0.15	47.6	56.3	32.9	65.2	390	1.0	0.0	0.15
390	382	376	1.0	0.0	0.133	47.6	56.3	33.8	65.7	390	1.0	0.0	0.133
391	383	377	1.0	0.0	0.116	47.6	56.4	34.5	66.1	391	1.0	0.0	0.117
391	384	378	1.0	0.0	0.1	47.6	56.5	34.9	66.5	391	1.0	0.0	0.1
392	385	379	1.0	0.0	0.083	47.6	56.6	35.4	66.8	392	1.0	0.0	0.083
392	386	381	1.0	0.0	0.066	47.6	56.7	35.9	67.2	392	1.0	0.0	0.067
392	387	382	1.0	0.0	0.049	47.6	56.9	36.4	67.5	392	1.0	0.0	0.05
392	388	383	1.0	0.0	0.033	47.6	57.0	36.8	67.9	392	1.0	0.0	0.033
393	389	384	1.0	0.0	0.016	47.6	57.1	37.3	68.2	393	1.0	0.0	0.017
393	390	385	1.0	0.0	0.0	47.5	57.2	37.8	68.6	393	1.0	0.0	0.0

2-1031630-L0 SS090-72 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 17/33

gráfico TUB-SS09; círculo de tono, 16 pasos

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

círculo de tono, 48 pasos; $rgb-LabCh^*$ mesas, 3D=1, de=0, $cmyk \rightarrow cmyk^*_{dd}$

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

vea archivos semejantes: <http://130.149.60.45/~farbmetrik/SS09/SS09.HTM>
información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

TUB matrícula: 20130201-SS09/SS09L0FA.TXT /.PS
aplicación para la medida salida de impresora láser, separación cmyk* (CMYK)

TUB material: code=rha4ta

n	HfC*Fdd	rgb_Fdd	ict_Fdd	hsi_Fdd	rgb*Fdd	LabCh*Fdd	cmyn*sep.Fdd	hsiM_dd	rgb*Mdd	LabCh*Mdd
1053	NW_086dd	0.866	0.866	0.866	0.866	0.0	0.0	0.0	1.0	95.8
1054	NW_093dd	0.933	0.933	0.933	0.933	0.0	0.0	0.0	1.0	95.8
1055	NW_100dd	1.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	95.8
1056	NW_000dd	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	95.8
1057	NW_006dd	0.066	0.066	0.066	0.066	0.0	0.0	0.0	1.0	95.8
1058	NW_013dd	0.133	0.133	0.133	0.133	0.0	0.0	0.0	1.0	95.8
1059	NW_020dd	0.2	0.2	0.2	0.2	0.0	0.0	0.0	1.0	95.8
1060	NW_026dd	0.266	0.266	0.266	0.266	0.0	0.0	0.0	1.0	95.8
1061	NW_033dd	0.333	0.333	0.333	0.333	0.0	0.0	0.0	1.0	95.8
1062	NW_040dd	0.4	0.4	0.4	0.4	0.0	0.0	0.0	1.0	95.8
1063	NW_046dd	0.466	0.466	0.466	0.466	0.0	0.0	0.0	1.0	95.8
1064	NW_053dd	0.533	0.533	0.533	0.533	0.0	0.0	0.0	1.0	95.8
1065	NW_060dd	0.6	0.6	0.6	0.6	0.0	0.0	0.0	1.0	95.8
1066	NW_066dd	0.666	0.666	0.666	0.666	0.0	0.0	0.0	1.0	95.8
1067	NW_073dd	0.734	0.734	0.734	0.734	0.0	0.0	0.0	1.0	95.8
1068	NW_080dd	0.8	0.8	0.8	0.8	0.0	0.0	0.0	1.0	95.8
1069	NW_086dd	0.866	0.866	0.866	0.866	0.0	0.0	0.0	1.0	95.8
1070	NW_093dd	0.933	0.933	0.933	0.933	0.0	0.0	0.0	1.0	95.8
1071	NW_100dd	1.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	95.8
1072	NW_000dd	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	95.8
1073	NW_100dd	1.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	95.8
1074	R00Y_100_100dd	1.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	95.8
1075	G50B_100_100dd	0.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	95.8
1076	Y00G_100_100dd	1.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	95.8
1077	B00R_100_100dd	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	95.8
1078	G00B_100_100dd	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	95.8
1079	B50R_100_100dd	1.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	95.8

gráfico TUB-SS09; círculo de tono, 16 pasos
colores y diferencia en color, ΔE^* , 3D=1, de=0, cmyk*

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

Entrada i salida: Printer Reflective System FRS06a

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

HIC^*

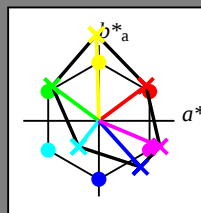
código de tono para los colores

esta página:

$H^*_\text{--} = R00Y\text{--}, R25Y\text{--}, \dots, B75R\text{--}$

ORS20a; datos adaptados CIELAB (a)

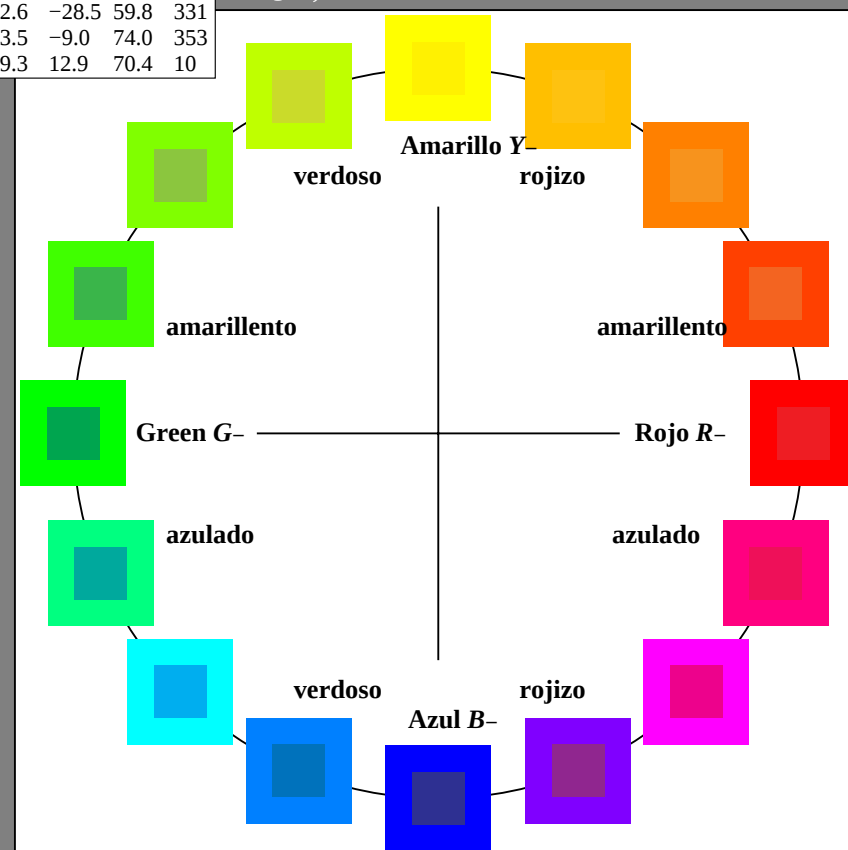
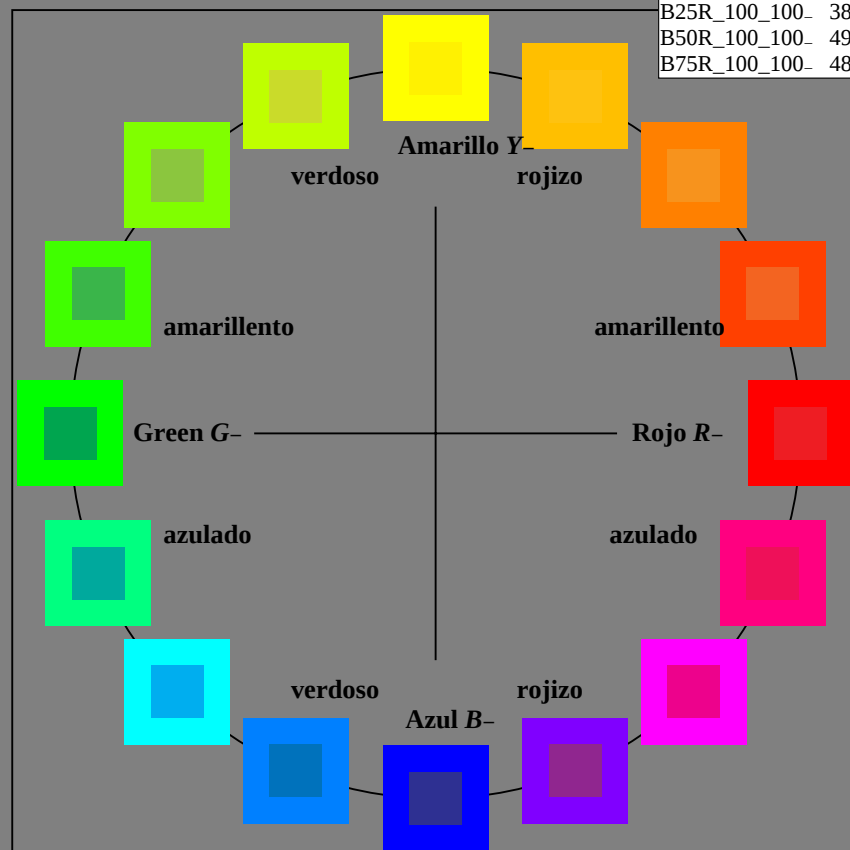
$H^*_\text{--}$	$L^*=L^*_a a^*_a$	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100_	48.4	66.1	40.2	77.3
R25Y_100_100_	56.8	48.0	50.5	69.6
R50Y_100_100_	68.6	25.0	63.9	68.6
R75Y_100_100_	80.6	4.8	77.2	77.3
Y00G_100_100_	90.2	-9.6	88.2	88.7
Y25G_100_100_	83.2	-18.4	79.9	81.9
Y50G_100_100_	73.3	-31.7	62.7	70.2
Y75G_100_100_	62.0	-49.7	43.2	65.8
G00B_100_100_	55.8	-65.2	33.8	73.4
G25B_100_100_	59.3	-50.3	-9.0	51.0
G50B_100_100_	63.0	-30.5	-42.0	51.9
G75B_100_100_	45.7	-5.7	-44.6	44.9
B00R_100_100_	27.5	25.9	-47.3	53.9
B25R_100_100_	38.3	52.6	-28.5	59.8
B50R_100_100_	49.5	73.5	-9.0	74.0
B75R_100_100_	48.9	69.3	12.9	70.4



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

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
Y_.,Ma	82.7	-3.1	113.9	114.0
G_.,Ma	39.4	-61.8	45.8	76.9
C_.,Ma	47.8	-26.8	-34.2	43.4
B_.,Ma	10.1	55.1	-61.0	82.2
M_.,Ma	34.5	80.6	-33.9	87.5
N_.,Ma	6.2	0.0	0.0	0.0
W_.,Ma	91.9	0.0	0.0	0.0
R_.,CIE	39.9	58.7	27.9	65.0
Y_.,CIE	81.2	-2.8	71.5	71.6
G_.,CIE	52.2	-42.4	13.6	44.5
B_.,CIE	30.5	1.4	-46.4	46.4



2-113030-L0

SS090-7N

gráfico TUB-SS09; círculo de tono, 16 pasos
gráfico según a DIN 33872

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

Entrada i salida: Printer Reflective System FRS06a

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

HIC^*_e

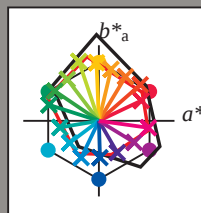
código de tono para los colores

esta página:

$H^*_e = R00Y_e, R25Y_e, ..., B75R_e$

LRS18a; datos adaptados CIELAB (a)

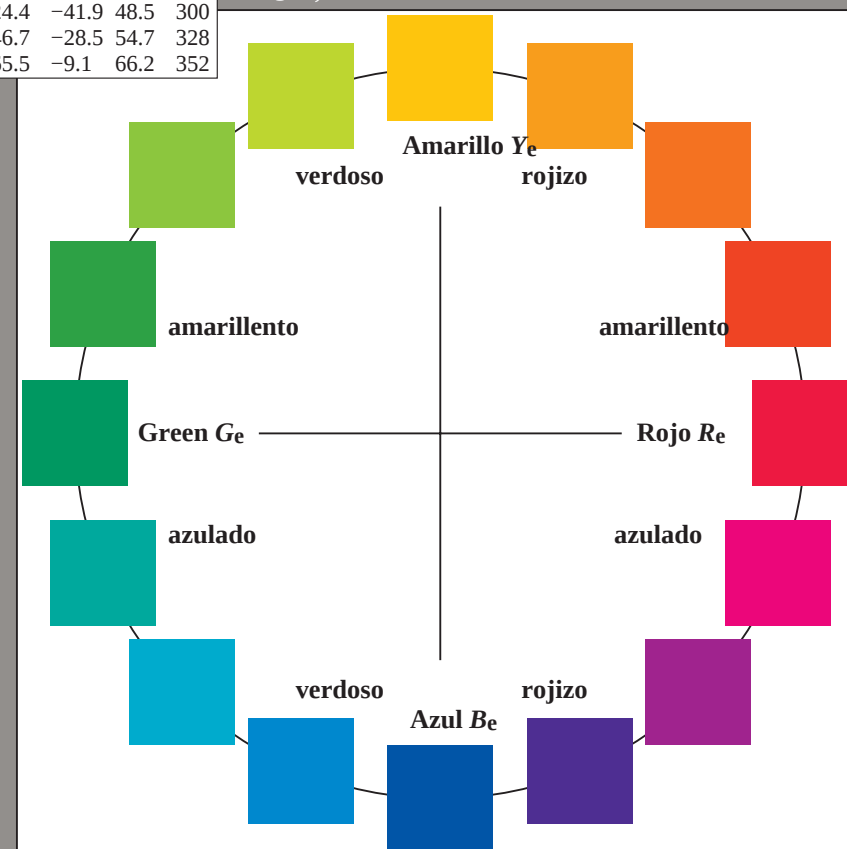
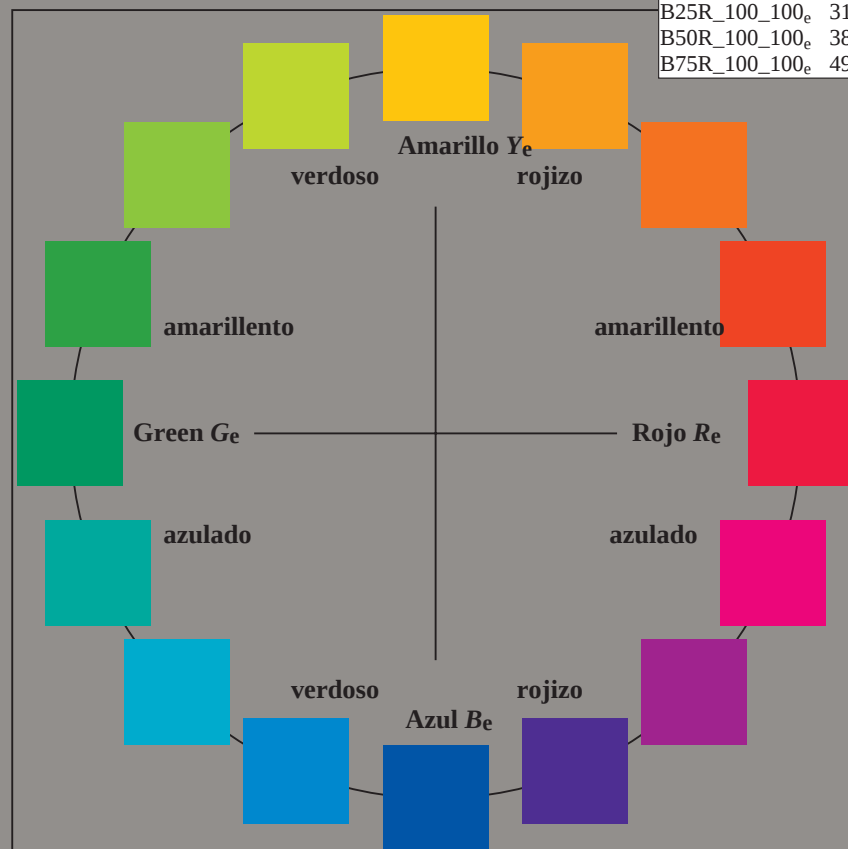
H^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100_e	47.5	56.0	26.7	62.1	25
R25Y_100_100_e	51.4	54.8	47.7	72.6	41
R50Y_100_100_e	61.8	35.2	58.4	68.2	58
R75Y_100_100_e	72.3	16.1	68.2	70.1	76
Y00G_100_100_e	83.6	-3.1	76.8	76.9	92
Y25G_100_100_e	85.8	-26.4	78.5	82.9	108
Y50G_100_100_e	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



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

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



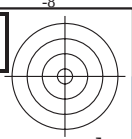
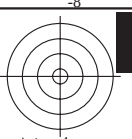
2-113130-L0

SS090-73

gráfico TUB-SS09; círculo de tono, 16 pasos
gráfico según a DIN 33872, 3D=1, de=1, cmyk*

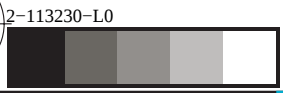
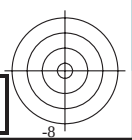
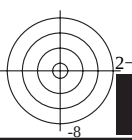
entrada: $rgb/cmyk \rightarrow rgb_{de}$
salida: 3D-linealización a $cmyk^*_{de}$

2-113130-F0



vea archivos semejantes: <http://130.149.60.45/~farbmetrik/SS09/SS09.HTM>
información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

TUB matrícula: 20130201-SS09/SS09L0FA.TXT /.PS TUB material: code=rha4ta
aplicación para la medida salida de impresora láser, separación cmyk* (CMYK)



SS090-73
gráfico TUB-SS09; círculo de tono, 16 pasos
gráfico según a DIN 33872, 3D=1, de=1, cmyk*

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



Entrada i salida: Printer Reflective System PRS06a

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

HIC^*_e

código de tono para los colores

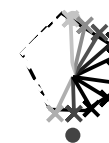
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$H^*_e = R00Y_e, R25Y_e, \dots, B75R_e$

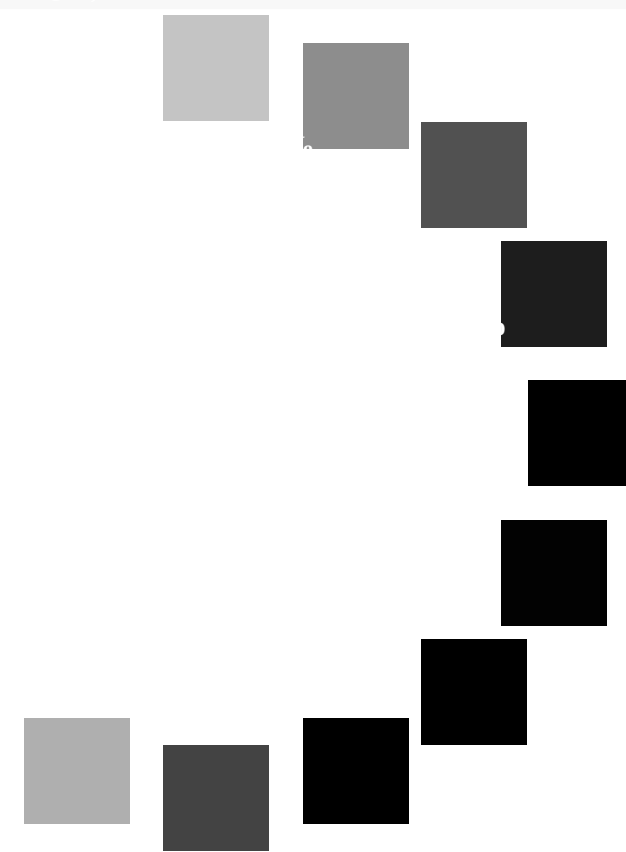
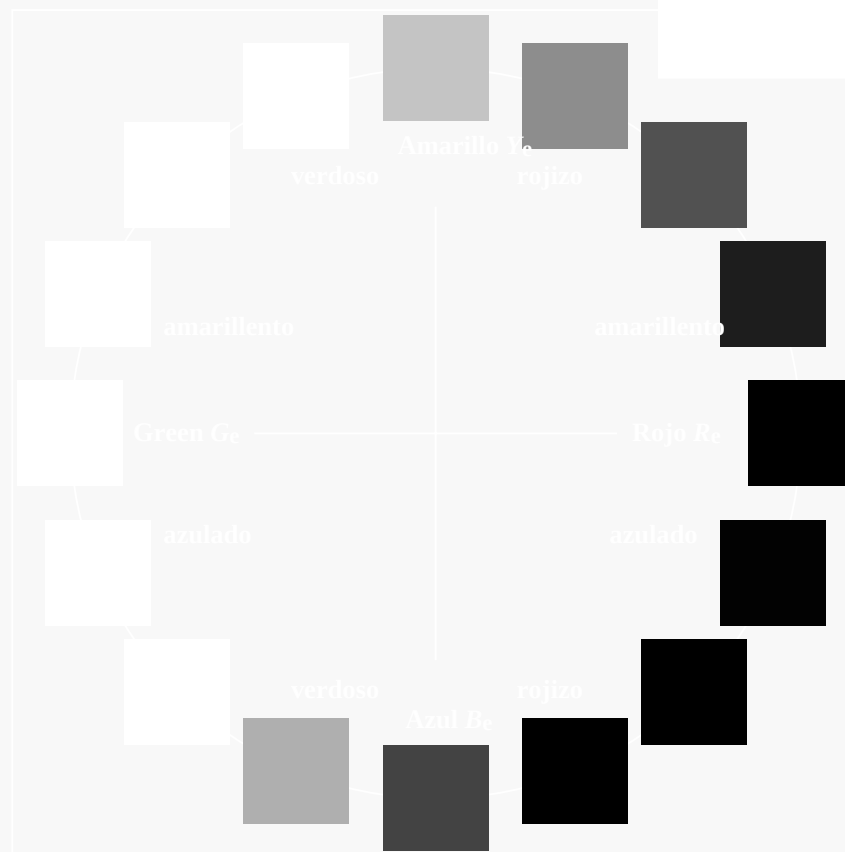
vea archivos semejantes: <http://130.149.60.45/~farbmetrik/SS09/SS09.HTM>
información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

TUB matrícula: 20130201-SS09/SS09L0FA.TXT /.PS
aplicación para la medida salida de impresora láser, separación cmyk* (CMYK)

TUB material: code=rha4ta



$u^*_{rel} = 114$
%Regularidad
 $g^*H_{rel} = 26$
 $g^*C_{rel} = 38$



SS090-73

gráfico TUB-SS09; círculo de tono, 16 pasos
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

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

HIC^*_e

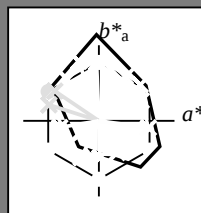
código de tono para los colores

esta página:

$H^*_e = R00Y_e, R25Y_e, \dots, B75R_e$

LRS18a; datos adaptados CIELAB (a)

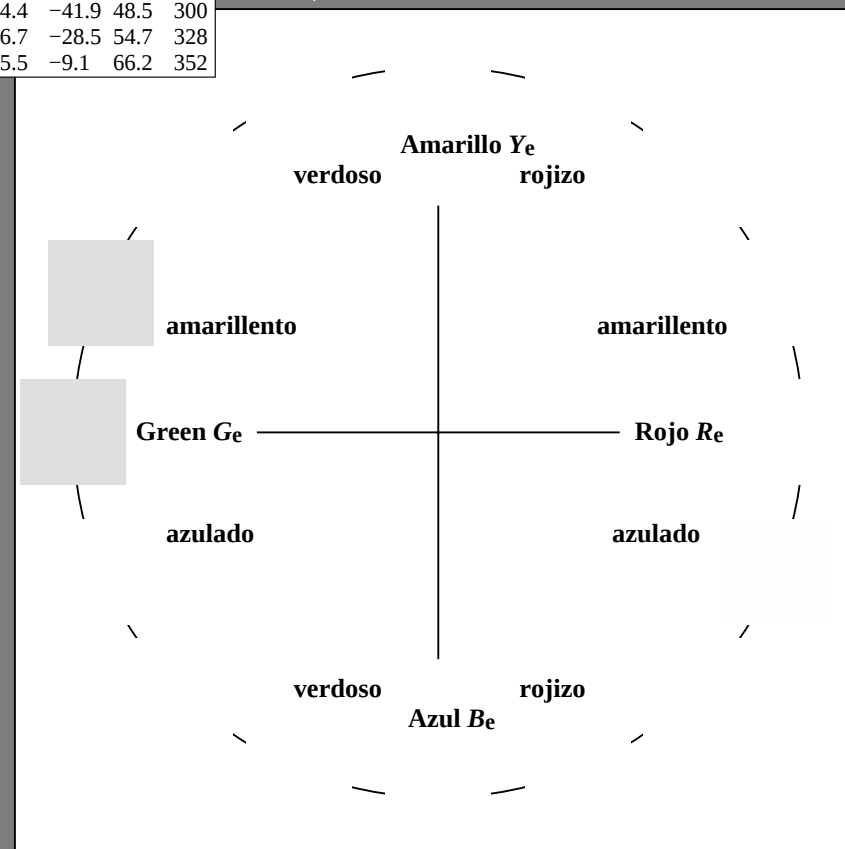
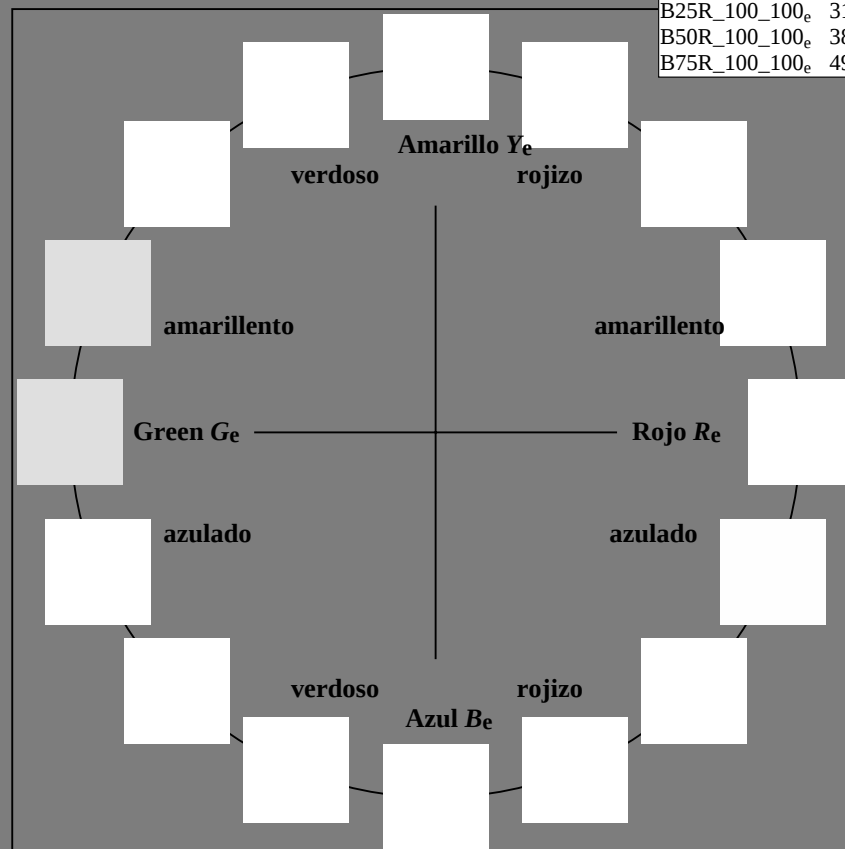
H^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100_e	47.5	56.0	26.7	62.1	25
R25Y_100_100_e	51.4	54.8	47.7	72.6	41
R50Y_100_100_e	61.8	35.2	58.4	68.2	58
R75Y_100_100_e	72.3	16.1	68.2	70.1	76
Y00G_100_100_e	83.6	-3.1	76.8	76.9	92
Y25G_100_100_e	85.8	-26.4	78.5	82.9	108
Y50G_100_100_e	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



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

LRS18a; datos adaptados CIELAB (a)

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
Re,Ma	47.5	56.0	26.7	62.1	25
Ye,Ma	83.6	-3.1	76.8	76.9	92
Ge,Ma	53.8	-65.9	21.1	69.2	162
Ce,Ma	54.9	-38.7	-29.1	48.4	216
Be,Ma	37.3	1.4	-48.6	48.7	271
Me,Ma	38.5	46.7	-28.5	54.7	328
Ne,Ma	23.8	0.0	0.0	0.0	0
We,Ma	95.8	0.0	0.0	0.0	0
Re,CIE	39.9	58.7	27.9	65.0	25
Ye,CIE	81.2	-2.8	71.5	71.6	92
Ge,CIE	52.2	-42.4	13.6	44.5	162
Be,CIE	30.5	1.4	-46.4	46.4	271



2-113530-L0

SS090-73

gráfico TUB-SS09; círculo de tono, 16 pasos
gráfico según a DIN 33872, 3D=1, de=1, cmyk*

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

2-113530-F0

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

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

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

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

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

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

$h_{ab,s}$

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

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

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

$h_{ab,e}$

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

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

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

$h_{ab,d}$

rgb^*_{de}

2-113630-L0

SS090-73

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

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

gráfico TUB-SS09; círculo de tono, 16 pasos

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

círculo de tono, 48 pasos; $rgb-LabCh^*$ mesas, 3D=1, de=1, salida: 3D-linealización a $cmyk^*_{de}$

2-113630-F0

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 SS090-73 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 9/33

gráfico TUB-SS09; círculo de tono, 16 pasos
círculo de tono, 48 pasos; $rgb-LabCh^*$ mesas, 3D=1, de=1, $cmyn6^*$

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

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 $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}			$LAB^*_{dd361Mi}(x=LabCh)$					$rgb^*_{ds361Mi}$					$LAB^*_{dsx361Mi}(x=LabCh)$					$rgb^*_{dd361Mi}$					$rgb^*_{de361Mi}$					$LAB^*_{dex361Mi}(x=LabCh)$					$rgb^*_{dd361Mi}$				
-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										

2-1131030-L0	SS090-73	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 11/36

gráfico TUB-SS09; círculo de tono, 16 pasos

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

círculo de tono, 48 pasos; *rgb-LabCh** mesas, 3D=1, de=1, *cmysk*: 3D-linealización a *cmysk**_{de}

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

2-1131030-F0

-6

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}	$LAB^*_{dd361Mi}(x=LabCh)$	$rgb^*_{ds361Mi}$	$LAB^*_{ds361Mi}(x=LabCh)$	$rgb^*_{dd361Mi}$	$LAB^*_{de361Mi}$	$rgb^*_{dex361Mi}(x=LabCh)$	$rgb^*_{dd361Mi}$	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	0.009	1.0	0.033	
157	153	164	0.0	1.0	0.05	54.1	-67.2 27.6	72.7	157	0.007	1.0	0.05	
158	154	165	0.0	1.0	0.066	54.0	-67.1 26.6	72.1	158	0.004	1.0	0.067	
159	155	166	0.0	1.0	0.083	53.9	-66.9 25.5	71.6	159	0.001	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

SS090-73

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-SS09; círculo de tono, 16 pasos

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

círculo de tono, 48 pasos; $rgb-LabCh^*$ mesas, 3D=1, de=1, cm_{ykn} salida: 3D-linealización a $cmyk^*_{de}$

2-1131130-F0

TUB matrícula: 20130201-SS09/SS09L0FA.TXT /PS
aplicación para la medida salida de impresora láser, separacióncmyn6* (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 $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

LabCh	hab_s	hab_e	rgb^*	dd361Mi	LAB^*	dxd361Mi	$(x=\text{LabCh})$	rgb^*	ds361Mi	LAB^*	dsdx361Mi	$(x=\text{LabCh})$	rgb^*	dd361Mi	LAB^*	dex361Mi	$(x=\text{LabCh})$	rgb^*	dd361Mi	rgb^*	dd361Mi	rgb^*	dd361Mi	rgb^*	dd361Mi	
168	165	175	0.0	1.0	0.25	53.7	-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	0.25	0.0	1.0	0.331	54.4	-59.3 4.2 59.5	175	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	0.209	53.8	-64.3 16.1 66.4	166	0.0	1.0	0.267	0.0	1.0	0.341	54.5	-58.7 3.3 58.9	176	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	0.225	53.8	-63.8 14.8 65.6	167	0.0	1.0	0.283	0.0	1.0	0.351	54.6	-58.2 2.3 58.3	177	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	0.242	53.8	-63.3 13.5 64.8	168	0.0	1.0	0.3	0.0	1.0	0.361	54.7	-57.6 1.4 57.7	178	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	0.255	53.8	-62.8 12.2 64.1	169	0.0	1.0	0.317	0.0	1.0	0.371	54.7	-57.0 0.4 57.1	179	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	0.266	53.9	-62.4 11.0 63.5	170	0.0	1.0	0.333	0.0	1.0	0.382	54.8	-56.5 -0.4 56.6	180	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	0.277	54.0	-61.9 9.8 62.8	171	0.0	1.0	0.35	0.0	1.0	0.393	54.8	-56.0 -1.3 56.2	181	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	0.288	54.1	-61.4 8.6 62.1	172	0.0	1.0	0.367	0.0	1.0	0.405	54.8	-55.6 -2.1 55.7	182	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	0.299	54.2	-60.9 7.5 61.5	173	0.0	1.0	0.383	0.0	1.0	0.416	54.9	-55.1 -3.0 55.3	183	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	0.31	54.3	-60.4 6.4 60.8	174	0.0	1.0	0.4	0.0	1.0	0.428	54.9	-54.6 -3.8 54.9	184	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	0.321	54.3	-59.8 5.2 60.1	175	0.0	1.0	0.417	0.0	1.0	0.439	54.9	-54.1 -4.7 54.5	185	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	0.332	54.4	-59.2 4.1 59.5	176	0.0	1.0	0.433	0.0	1.0	0.451	54.9	-53.6 -5.5 54.0	185	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	0.343	54.5	-58.6 3.1 58.8	177	0.0	1.0	0.45	0.0	1.0	0.463	55.0	-53.1 -6.3 53.6	186	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	0.354	54.6	-58.0 2.0 58.1	178	0.0	1.0	0.467	0.0	1.0	0.474	55.0	-52.6 -7.1 53.2	187	0.0	1.0	0.467
188	179	188	0.0																							

2-1131230-L0	SS090-73	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 13/36

gráfico TUB-SS09; círculo de tono, 16 pasos

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

círculo de tono, 48 pasos; *rgb-LabCh** mesas, 3D=1, de=1, *valida*: 3D-linealización a *cmyk** de

valida: 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 *RYGBCM*_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 $RYGCBM_c$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$																																																																																																																																																																																																																																																																																																																																																																																																																																						
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}	$LAB^*_{dsx361Mi}$ (x=LabCh)	C_d	$rgb^*_{ds361Mi}$	$LAB^*_{dsx361Mi}$ (x=LabCh)	$210C_s$	$rgb^*_{dd361Mi}$	$rgb^*_{de361Mi}$	$LAB^*_{dex361Mi}$ (x=LabCh)	$216C_e$	$rgb^*_{dd361Mi}$	$rgb^*_{dd361Mi}$	rgb^*_{ds}	rgb^*_{de}																																																																																																																																																																																																																																																																																																																																																																																																																						
235	210	216	0.0	1.0	1.0	53.1	-30.0	-43.1	52.5	235	C_d	0.0	1.0	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	1.0	0.792	55.0	-38.6	-29.0	48.4	216	C_e	0.0	1.0	1.0	0.0	1.0	1.0	0.807	54.9	-38.3	-29.8	48.6	217	0.0	0.983	1.0	0.0	1.0	0.822	54.8	-37.9	-30.5	48.8	218	0.0	0.967	1.0	0.0	1.0	0.837	54.7	-37.6	-31.2	49.0	219	0.0	0.95	1.0	0.0	1.0	0.853	54.6	-37.2	-31.9	49.2	220	0.0	0.933	1.0	0.0	1.0	0.868	54.5	-36.9	-32.6	49.4	221	0.0	0.917	1.0	0.0	1.0	0.88	54.4	-36.5	-33.4	49.6	222	0.0	0.9	1.0	0.0	1.0	0.883	1.0	53.1	-28.1	-44.6	52.7	237	0.0	0.883	1.0	53.0	-27.8	-44.9	52.8	238	0.0	0.866	1.0	53.0	-27.5	-45.3	53.0	238	0.0	0.85	1.0	53.0	-27.3	-45.6	53.2	239	0.0	0.833	1.0	53.0	-27.0	-46.0	53.4	239	0.0	0.816	1.0	53.0	-26.7	-46.4	53.6	240	0.0	0.8	1.0	52.9	-26.5	-46.8	53.8	240	0.0	0.783	1.0	52.9	-26.2	-47.2	53.9	240	0.0	0.766	1.0	52.9	-25.9	-47.5	54.1	241	0.0	0.733	1.0	52.6	-25.2	-47.8	54.1	242	0.0	0.716	1.0	52.2	-24.5	-48.1	54.0	242	0.0	0.7	1.0	51.9	-23.9	-48.4	54.0	243	0.0	0.683	1.0	51.6	-23.2	-48.6	53.9	244	0.0	0.666	1.0	51.3	-22.5	-48.9	53.8	245	0.0	0.65	1.0	51.0	-21.8	-49.1	53.8	246	0.0	0.633	1.0	50.7	-21.1	-49.4	53.7	246	0.0	0.616	1.0	50.2	-20.2	-49.5	53.5	247	0.0	0.6	1.0	49.7	-19.2	-49.6	53.2	248	0.0	0.583	1.0	49.1	-18.2	-49.6	52.8	249	0.0	0.566	1.0	48.5	-17.2	-49.6	52.5	250	0.0	0.55	1.0	47.9	-16.2	-49.5	52.2	251	0.0	0.533	1.0	47.3	-15.2	-49.5	51.8	252	0.0	0.516	1.0	46.7	-14.3	-49.4	51.5	253	0.0	0.5	1.0	46.1	-13.3	-49.4	51.1	254	0.0	0.483	1.0	45.5	-12.3	-49.4	50.9	255	0.0	0.466	1.0	44.8	-11.4	-49.4	50.7	256	0.0	0.45	1.0	44.2	-10.5	-49.4	50.5	258	0.0	0.433	1.0	43.6	-9.5	-49.4	50.3	259	0.0	0.416	1.0	42.9	-8.6	-49.4	50.1	260	0.0	0.4	1.0	42.3	-7.7	-49.3	49.9	261	0.0	0.383	1.0	41.7	-6.8	-49.3	49.7	262	0.0	0.366	1.0	41.1	-5.7	-49.2	49.6	263	0.0	0.35	1.0	40.5	-4.6	-49.2	49.4	264	0.0	0.333	1.0	39.9	-3.4	-49.2	49.3	265	0.0	0.316	1.0	39.3	-2.3	-49.1	49.1	267	0.0	0.3	1.0	38.7	-1.1	-49.0	49.0	268	0.0	0.283	1.0	38.1	0.0	-48.9	48.9	269	0.0	0.266	1.0	37.4	1.1	-48.7	48.7	271	0.0	0.25	1.0	36.8	2.2	-48.5	48.6	272	0.0	0.25	1.0	36.8	

2-1131330-L0	SS090-73	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 14/36

gráfico TUB-SS09; círculo de tono, 16 pasos

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

círculo de tono, 48 pasos; *rgb-LabCh** mesas, 3D=1, de=1, *salida*: 3D-linealización a *cmyk** de

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

2-1131330-F0

2-1131330-F0

TUB matrícula: 20130201-SS09/SS09L0FA.TXT /.PS
+ aplicación para la medida salida de impresora láser, se

TUB material: code=rh4ta
myn6* (CMYK)

vea archivos semejantes: <http://130.149.60.45/~farbmetrik/SS09/SS09.HTM>
información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

הקצתו של המינימום של $\mathcal{H}$ היא $\frac{1}{2}$ ויש להשיגה על ידי $\mathbf{u} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$.

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* dsx361Mi (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 0.499 1.0	46.1 -13.1 -49.3 51.2	255	0.0 0.25 1.0	0.0 0.449 1.0	44.2 -10.4 -49.4 50.6
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 0.435 1.0	43.7 -9.5 -49.4 50.4
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 0.42 1.0	43.1 -8.7 -49.3 50.2
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 0.405 1.0	42.6 -7.9 -49.3 50.0
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 0.39 1.0	42.0 -7.1 -49.3 49.9
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 0.376 1.0	41.4 -6.3 -49.2 49.7
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 0.364 1.0	41.0 -5.5 -49.2 49.6
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 0.353 1.0	40.6 -4.7 -49.2 49.5
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 0.341 1.0	40.2 -3.9 -49.1 49.4
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 0.33 1.0	39.8 -3.1 -49.1 49.3
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 0.318 1.0	39.4 -2.3 -49.0 49.2
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 0.307 1.0	39.0 -1.5 -49.0 49.1
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 0.296 1.0	38.5 -0.8 -48.9 49.0
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 0.284 1.0	38.1 0.0 -48.8 48.9
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 0.273 1.0	37.7 0.7 -48.7 48.8
290	270	271	0.0 0.0 1.0	32.5 16.9 -44.6 47.7	290	B_d 0.0 0.283 1.0	38.1 0.0 -48.8 48.9	270	B_s 0.0 0.0 1.0	0.0 0.261 1.0	37.3 1.5 -48.6 48.7
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 0.249 1.0	36.9 2.3 -48.5 48.6
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 0.236 1.0	36.7 3.1 -48.3 48.5
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 0.222 1.0	36.5 3.9 -48.1 48.3
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 0.209 1.0	36.3 4.6 -47.9 48.2
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 0.196 1.0	36.1 5.4 -47.7 48.1
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 0.182 1.0	35.9 6.2 -47.4 47.9
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 0.169 1.0	35.7 7.0 -47.2 47.8
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 0.155 1.0	35.5 7.7 -46.9 47.6
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 0.142 1.0	35.3 8.5 -46.6 47.5
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 0.129 1.0	35.1 9.2 -46.4 47.4
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 0.116 1.0	34.9 10.0 -46.2 47.4
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 0.103 1.0	34.6 10.8 -46.1 47.4
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 0.09 1.0	34.4 11.5 -45.9 47.4
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 0.078 1.0	34.1 12.3 -45.8 47.5
307	285	285	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 0.065 1.0	33.9 13.1 -45.6 47.5
309	286	286	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 0.052 1.0	33.6 13.8 -45.4 47.6
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 0.04 1.0	33.4 14.6 -45.2 47.6
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 0.027 1.0	33.1 15.4 -45.0 47.6
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 0.014 1.0	32.9 16.1 -44.8 47.7
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	0.0 0.001 1.0	32.6 16.9 -44.5 47.7
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	0.012 0.0 1.0	32.5 17.6 -44.3 47.8
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	0.026 0.0 1.0	32.4 18.4 -44.1 47.9
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	0.041 0.0 1.0	32.3 19.1 -43.9 47.9
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	0.055 0.0 1.0	32.1 19.9 -43.6 48.0
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	0.069 0.0 1.0	32.0 20.7 -43.3 48.1
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	0.083 0.0 1.0	31.9 21.4 -43.1 48.2
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	0.097 0.0 1.0	31.8 22.2 -42.8 48.2
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	0.111 0.0 1.0	31.7 22.9 -42.5 48.3
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	0.125 0.0 1.0	31.6 23.6 -42.1 48.4
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

2-1131430-L0 SS090-73 LAB*a0, 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-SS09; círculo de tono, 16 pasos

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

círculo de tono, 48 pasos; $rgb-LabCh^*$ mesas, 3D=1, de=1, $cmyk_{de}$ salida: 3D-linealización a $cmyk^*_{de}$

2-1131430-F0

vea archivos semejantes: <http://130.149.60.45/~farbmietrik/SS09/SS09.HTM>
información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmietrik>

TUB matrícula: 20130201-SS09/SS09L0FA.TXT /.PS TUB material: code=rha4ta
+ aplicación para la medida salida de impresora láser, separacióncmynb6* (CMYK)

	n	HIC*Fde	rgb_Fde	ict_Fde	hsi_Fde	rgb*Fde	LabCh*Fde	cmyrn*Sep.Fde	hsiM.de	rgb*M.de	LabCh*M.de
0	NW_000de	0.0	0.0	0.0	0.0	0.0	23.8	0.0	0.0	0.0	1.0
1	B00R_012_012de	0.0	0.0	0.125	0.125	0.125	25.5	0.1	-6.0	0.0	0.937
2	B00R_025_025de	0.0	0.0	0.25	0.25	0.25	27.2	0.3	-12.1	12.1	0.835
3	B00R_037_037de	0.0	0.0	0.375	0.375	0.375	28.8	0.5	-18.2	18.2	0.734
4	B00R_050_050de	0.0	0.0	0.5	0.5	0.5	30.5	0.7	-24.3	24.3	0.591
5	B00R_062_062de	0.0	0.0	0.625	0.625	0.625	32.2	0.9	-30.4	30.4	0.497
6	B00R_075_075de	0.0	0.0	0.75	0.75	0.75	33.9	1.1	-36.5	36.5	0.427
7	B00R_087_087de	0.0	0.0	0.875	0.875	0.875	35.6	1.2	-42.6	42.6	0.362
8	B00R_100_100de	0.0	0.0	1.0	1.0	1.0	37.3	1.4	-48.6	48.7	0.300
9	G00B_012_012de	0.0	0.125	0.0	0.125	0.125	0.062	15.0	-8.2	2.6	0.944
10	G50B_012_012de	0.0	0.125	0.125	0.125	0.125	0.062	21.0	-12.1	6.0	0.937
11	G75B_025_025de	0.0	0.125	0.25	0.25	0.25	12.5	24.0	-18.2	18.2	0.835
12	G84B_037_037de	0.0	0.125	0.375	0.375	0.375	18.7	25.5	-24.3	24.3	0.591
13	G88B_050_050de	0.0	0.125	0.5	0.5	0.5	25.5	27.2	-30.4	30.4	0.497
14	G90B_062_062de	0.0	0.125	0.625	0.625	0.625	31.2	28.8	-36.5	36.5	0.427
15	G92B_075_075de	0.0	0.125	0.75	0.75	0.75	33.9	30.4	-42.6	42.6	0.362
16	G93B_087_087de	0.0	0.125	0.875	0.875	0.875	35.6	31.2	-48.6	48.7	0.300
17	G94B_100_100de	0.0	0.125	1.0	1.0	1.0	37.3	31.2	-48.6	48.7	0.300
18	G00B_025_025de	0.0	0.25	0.0	0.25	0.25	12.5	15.0	-12.1	12.1	0.835
19	G25B_025_025de	0.0	0.25	0.125	0.25	0.25	12.5	18.7	-18.2	18.2	0.734
20	G50B_025_025de	0.0	0.25	0.25	0.25	0.25	12.5	21.0	-24.3	24.3	0.591
21	G65B_037_037de	0.0	0.25	0.375	0.375	0.375	18.7	22.8	-30.4	30.4	0.497
22	G75B_050_050de	0.0	0.25	0.5	0.5	0.5	25.5	24.0	-36.5	36.5	0.427
23	G80B_062_062de	0.0	0.25	0.625	0.625	0.625	31.2	25.5	-42.6	42.6	0.362
24	G84B_075_075de	0.0	0.25	0.75	0.75	0.75	33.9	25.5	-48.6	48.7	0.300
25	G86B_087_087de	0.0	0.25	0.875	0.875	0.875	35.6	25.5	-48.6	48.7	0.300
26	G88B_100_100de	0.0	0.25	1.0	1.0	1.0	37.3	25.5	-48.6	48.7	0.300
27	G00B_037_037de	0.0	0.375	0.0	0.375	0.375	18.7	15.0	-12.1	12.1	0.835
28	G15B_037_037de	0.0	0.375	0.125	0.375	0.375	18.7	16.9	-18.2	18.2	0.734
29	G34B_037_037de	0.0	0.375	0.25	0.375	0.375	18.7	19.1	-24.3	24.3	0.591
30	G50B_037_037de	0.0	0.375	0.375	0.375	0.375	18.7	21.0	-30.4	30.4	0.497
31	G61B_050_050de	0.0	0.375	0.5	0.5	0.5	25.5	22.8	-36.5	36.5	0.427
32	G69B_062_062de	0.0	0.375	0.625	0.625	0.625	31.2	23.4	-42.6	42.6	0.362
33	G75B_075_075de	0.0	0.375	0.75	0.75	0.75	33.9	24.0	-48.6	48.	

gráfico TUB-SS09; círculo de tono, 16 pasos
colores y diferencia en color, ΔE^* , 3D=1, de=1, *cmvk**

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

vea archivos semejantes: <http://130.149.60.45/~farbmetrik/SS09/SS09.HTM>
información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

TUB matrícula: 20130201-SS09/SS09L0FA.TXT /.PS TUB material: code=rha4ta
aplicación para la medida salida de impresora láser, separacióncmyn6* (CMYK)

n	HIC*Fde	rgb_Fde			ict_Fde		hsi_F.de	rgb*Fde			LabCh*Fde				cmyn*sep.Fde				hsiM.de	rgb*Mde			LabCh*Mde						
1053	NW_086de	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	86.1	0.0	0.0	0.0	0.0	0.019	0.02	0.164	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	
1054	NW_093de	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	91.0	0.0	0.0	0.0	0.0	0.016	0.005	0.103	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	
1055	NW_100de	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	
1056	NW_000de	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	23.8	0.0	0.0	0.0	0.0	0.0	0.0	1.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	
1057	NW_006de	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	28.6	0.0	0.0	0.0	0.0	0.016	0.054	0.865	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	
1058	NW_013de	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	33.4	0.0	0.0	0.0	0.0	0.053	0.109	0.809	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	
1059	NW_020de	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	38.2	0.0	0.0	0.0	0.0	0.034	0.068	0.76	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	
1060	NW_026de	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	42.9	0.0	0.0	0.0	0.0	0.039	0.092	0.701	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	
1061	NW_033de	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	47.8	0.0	0.0	0.0	0.0	0.044	0.085	0.652	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	
1062	NW_040de	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	52.6	0.0	0.0	0.0	0.0	0.023	0.048	0.608	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	
1063	NW_046de	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	57.3	0.0	0.0	0.0	0.0	0.038	0.078	0.539	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	
1064	NW_053de	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	62.2	0.0	0.0	0.0	0.0	0.017	0.04	0.482	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	
1065	NW_060de	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	67.0	0.0	0.0	0.0	0.0	0.028	0.064	0.427	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	
1066	NW_066de	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	71.7	0.0	0.0	0.0	0.0	0.015	0.038	0.381	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	
1067	NW_073de	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	76.6	0.0	0.0	0.0	0.0	0.017	0.033	0.301	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	
1068	NW_080de	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	81.4	0.0	0.0	0.0	0.0	0.01	0.011	0.23	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	
1069	NW_086de	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	86.1	0.0	0.0	0.0	0.0	0.019	0.02	0.164	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	
1070	NW_093de	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	91.0	0.0	0.0	0.0	0.0	0.016	0.005	0.103	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	
1071	NW_100de	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	
1072	NW_000de	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	23.8	0.0	0.0	0.0	0.0	0.0	0.0	1.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	
1073	NW_100de	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	
1074	R00Y_100_100de	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4	0.0	1.0	0.735	0.0	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
1075	G50B_100_100de	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	0.791	54.9	-38.7	-29.1	48.4	216.9	1.0	0.0	0.2	0.0	198	0.0	1.0	0.791	54.9	-38.7	-29.1	48.4	216.9
1076	Y00G_100_100de	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	0.768	0.0	83.6	-3.1	76.8	76.9	92.3	0.0	0.231	0.999	0.001	77	1.0	0.768	0.0	83.6	-3.1	76.8	76.9	92.3
1077	B00R_100_100de	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.261	1.0	37.3	1.4	-48.6	48.7	271.7	1.0	0.738	0.0	0.0	255	0.0	0.261	1.0	37.3	1.4	-48.6	48.7	271.7
1078	G00B_100_100de	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.146	53.8	-65.9	21.1	69.2	162.2	0.943	0.0	0.798	0.125	157	0.0	1.0	0.146	53.8	-65.9	21.1	69.2	162.2
1079	B50R_100_100de	1.0	0.0	1.0	1.0	1.0	0.5	330	0.584	0.0	1.0	38.5	46.7	-28.5	54.7	328.6	0.415	1.0	0.0	0.0	305	0.584	0.0	1.0	38.5	46.7	-28.5	54.7	328.6
delta																													

delta

2-1133230-F0

SS090-7N, 33/33-F

gráfico TUB-SS09; círculo de tono, 16 pasos
colores y diferencia en color, ΔE^* , 3D=1, de=1, cmyk*

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