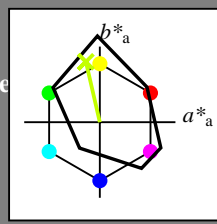


Entrada i salida: Printer Reflective System FRS06a for relative CIELAB hue  $h_{ab,a,rel} = h_{ab}/360 = 102/360 = 0.28$

$H^*_ = Y25G_ -$

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

$HIC^*_$   
código de tono para los colores  
esta página:  
 $H^*_ = Y25G_ -$   
triángulo claridad  $T^*$



**FRS06a; datos adaptados CIELAB (a)**

name	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
R <sub>-,Ma</sub>	32.5	62.3	46.4	77.7	36
Y <sub>-,Ma</sub>	82.7	-3.1	113.9	114.0	91
G <sub>-,Ma</sub>	39.4	-61.8	45.8	76.9	143
C <sub>-,Ma</sub>	47.8	-26.8	-34.2	43.4	231
B <sub>-,Ma</sub>	10.1	55.1	-61.0	82.2	312
M <sub>-,Ma</sub>	34.5	80.6	-33.9	87.5	337
N <sub>-,Ma</sub>	6.2	0.0	0.0	0.0	0
W <sub>-,Ma</sub>	91.9	0.0	0.0	0.0	0
R <sub>-,CIE</sub>	39.9	58.7	27.9	65.0	25
Y <sub>-,CIE</sub>	81.2	-2.8	71.5	71.6	92
G <sub>-,CIE</sub>	52.2	-42.4	13.6	44.5	162
B <sub>-,CIE</sub>	30.5	1.4	-46.4	46.4	271

Los datos de color máximo (Ma):

$LabCh^*_{-,Ma}$ : 83 -18 79 81 102

$HIC^*_{-,Ma}$ : Y25G\_100\_100\_

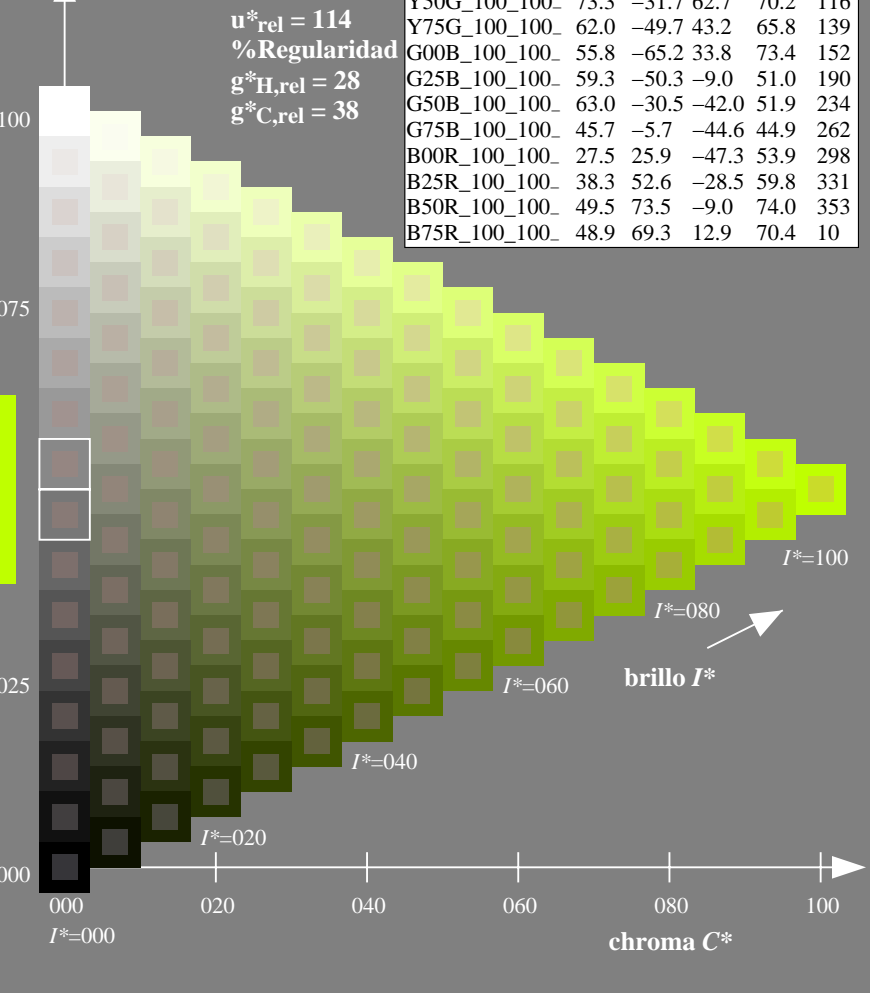
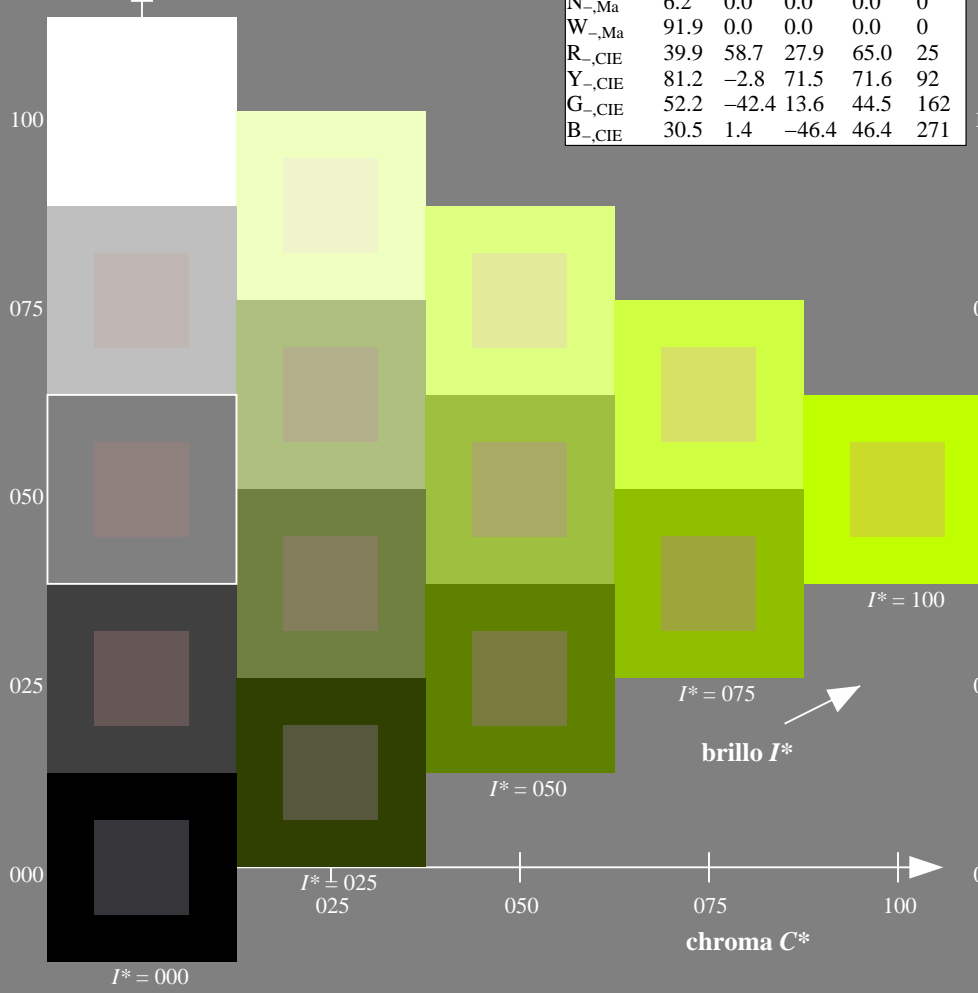
$rgbic^*_{-,Ma}$ :

0.76 1.0 0.0 1.0 1.0

triángulo claridad  $T^*$

**ORS20a; datos adaptados CIELAB (a)**

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



vea archivos semejantes: <http://130.149.60.45/~farbmetrik/QS49/QS49L0FP.PDF> / .PS; comience salida  
información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

TUB matrícula: 20130201-QS49/QS49L0FP.PDF /.PS  
aplicación para la medida salida de impresora láser

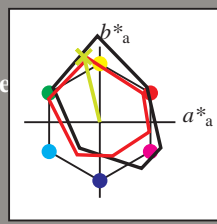
TUB material: code=rh4ta

Entrada i salida: Printer Reflective System FRS06a for relative CIELAB hue  $h_{ab,a,rel} = h_{ab}/360 = 103/360 = 0.28$

$H^*_d = Y25G_d$

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

$HIC^*_d$   
código de tono para los colores  
esta página:  
 $H^*_d = Y25G_d$   
triángulo claridad  $T^*$



**LRS18a; datos adaptados CIELAB (a)**

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

Los datos de color máximo (Ma):

$LabCh^*_{d, Ma}$ : 90 -20 86 89 103

$HIC^*_{d, Ma}$ : Y25G\_100\_100d

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

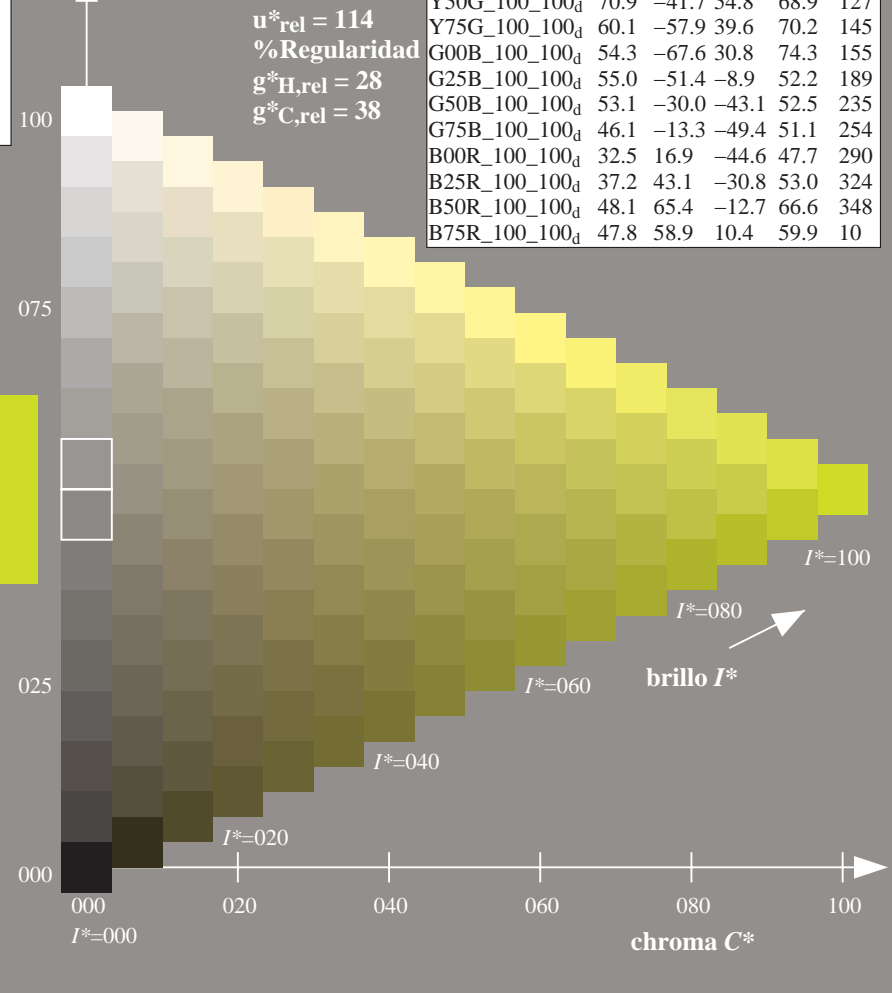
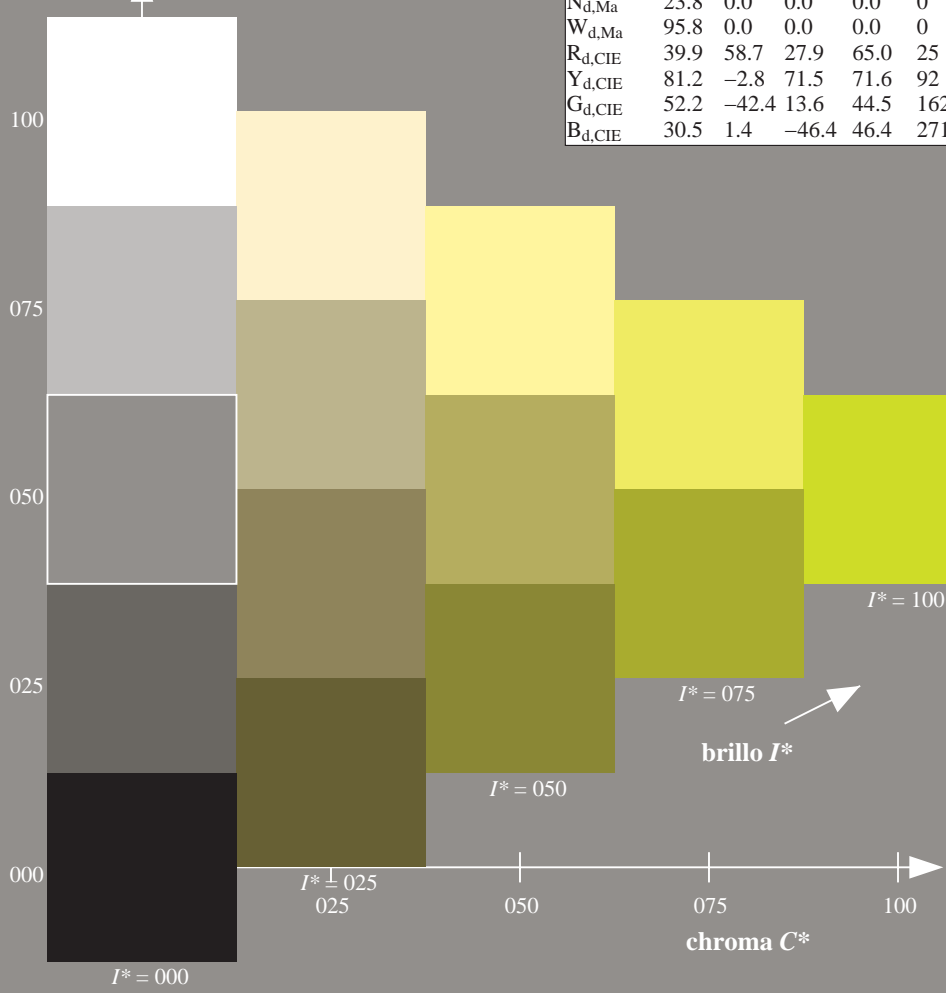
0.76 1.0 0.0 1.0 1.0

triángulo claridad  $T^*$

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

**LRS18a; datos adaptados CIELAB (a)**

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



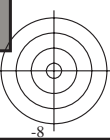
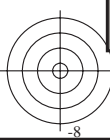
vea archivos semejantes: <http://130.149.60.45/~farbmetrik/QS49/QS49L0FP.PDF> / .PS  
información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

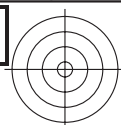
TUB matrícula: 20130201-QS49/QS49L0FP.PDF /.PS  
aplicación para la medida salida de impresora láser, separación cmykn6\* (CMYK)

TUB material: code=rh4ta

gráfico TUB-QS49; código de tono:  $H^*_d = Y25G_d$   
gráfico según a DIN 33872, 3D=1, de=0,  $cmyk^*$

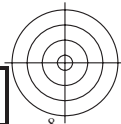
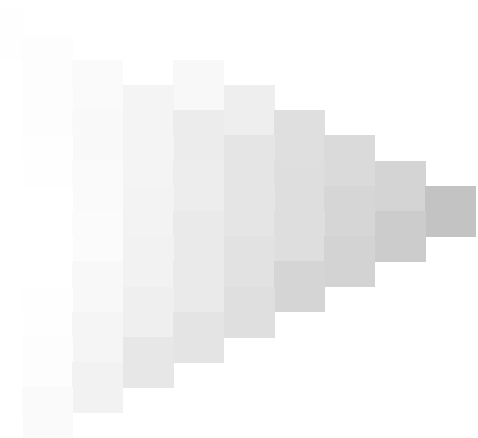
entrada:  $rgb/cmyk \rightarrow rgb_{dd}$   
salida: 3D-linealización a  $cmyk^*_{dd}$





vea archivos semejantes: <http://130.149.60.45/~farbmetrik/QS49/QS49L0FP.PDF> / .PS; 3D-linealización  
información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

TUB matrícula: 20130201-QS49/QS49L0FP.PDF /.PS TUB material: code=rh4ta  
aplicación para la medida salida de impresora láser, separación cmykn6\* (CMYK)



2-103230-L0 QS490-72

gráfico TUB-QS49; código de tono:  $H^*_d=Y25G_d$   
gráfico según a DIN 33872, 3D=1, de=0, *cmyk*\*

entrada: *rgb/cmyk* -> *rgb*<sub>dd</sub>  
salida: 3D-linealización a *cmyk*<sub>dd</sub>\*

2=103230-F0



Entrada i salida: Printer Reflective System FRS06a for relative CIELAB hue  $h_{ab,a,rel} = h_{ab}/360 = 103/360 = 0,28$

$H^*_d = Y25G_d$

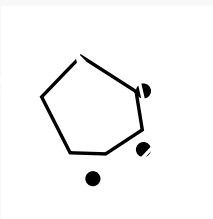
Datos del dispositivo (d) o elemental (e) color:

$HIC^*_d$

código de tono para los colores de esta página:

$H^*_d = Y25G_d$

triángulo claridad  $T^*$



Los datos de color máximo (Ma):

$LabCh^*_{d, Ma}$ : 90 -20 86 89 103

$HIC^*_{d, Ma}$ : Y25G\_100\_100\_d

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

0.76 1.0 0.0 1.0 1.0

triángulo claridad  $T^*$

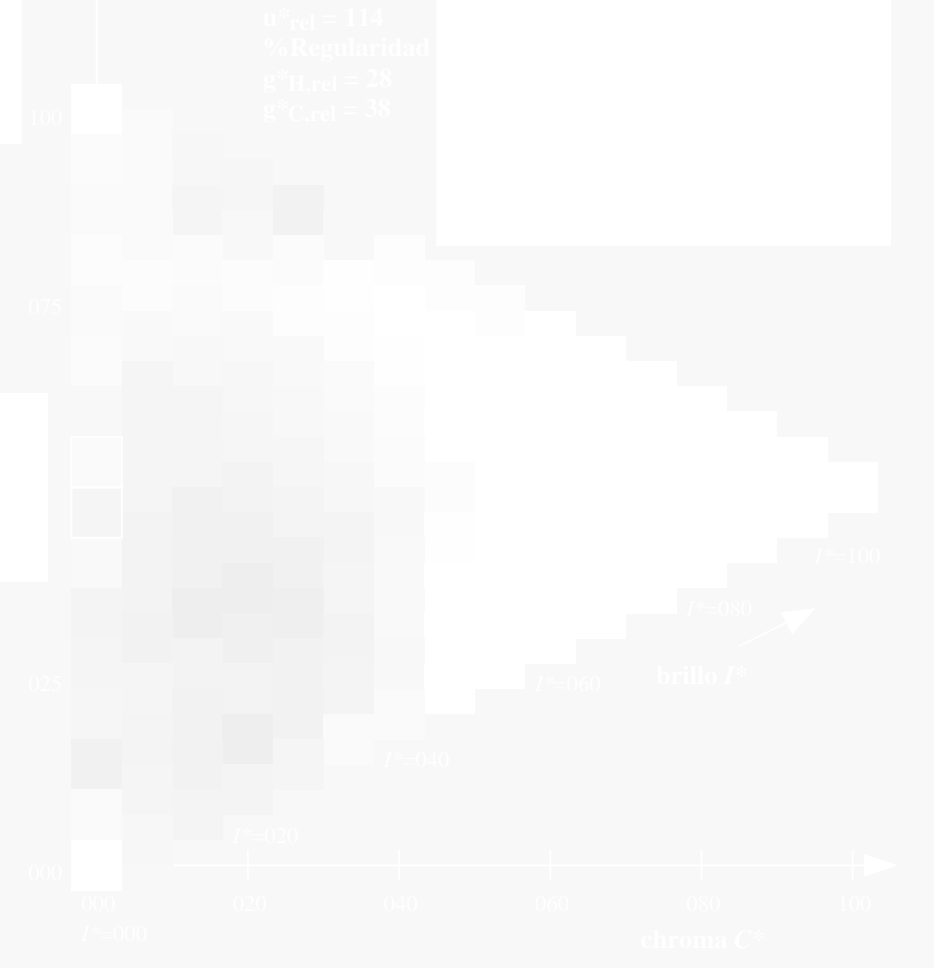
%Gamma

$u^*_{rel} = 114$

%Regularidad

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

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



vea archivos semejantes: <http://130.149.60.45/~farbmetrik/QS49/QS49.HTM>  
información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

TUB matrícula: 20130201-QS49/QS49L0FP.PDF /.PS  
aplicación para la medida salida de impresora láser, separación cmykn\* (CMYK)

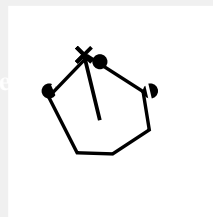
TUB material: code=rh4ta

Entrada i salida: Printer Reflective System FRS06a for relative CIELAB hue  $h_{ab,a,rel} = h_{ab}/360 = 103/360 = 0.28$

$H^*_d = Y25G_d$

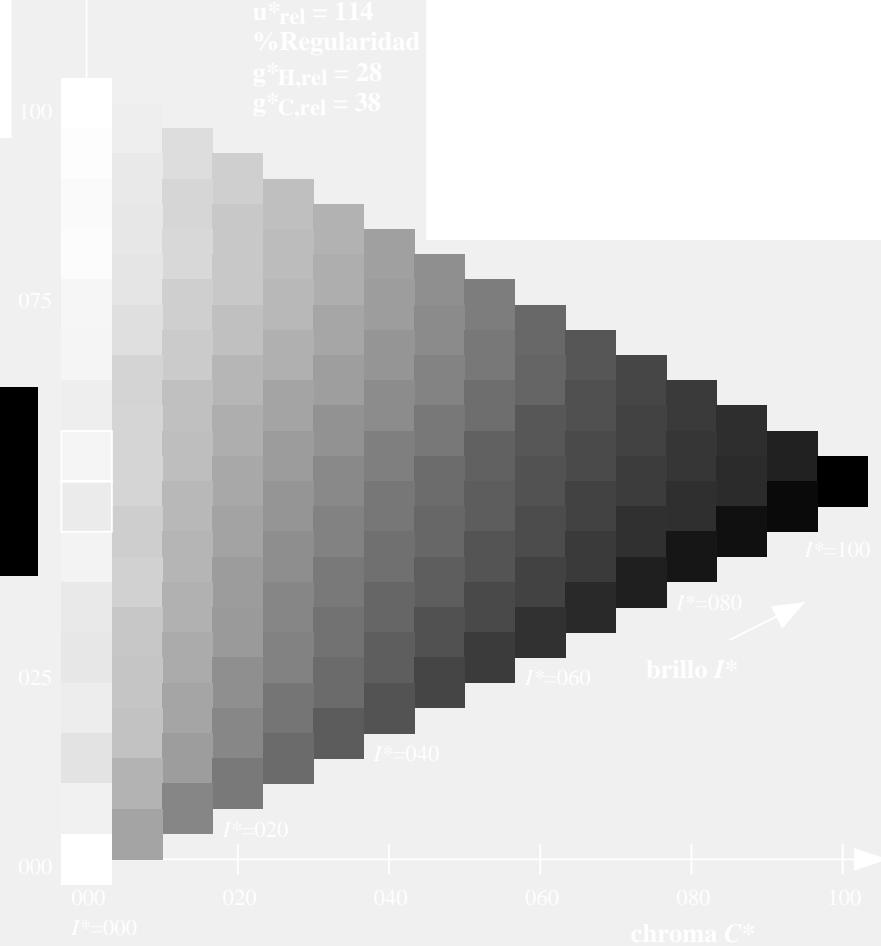
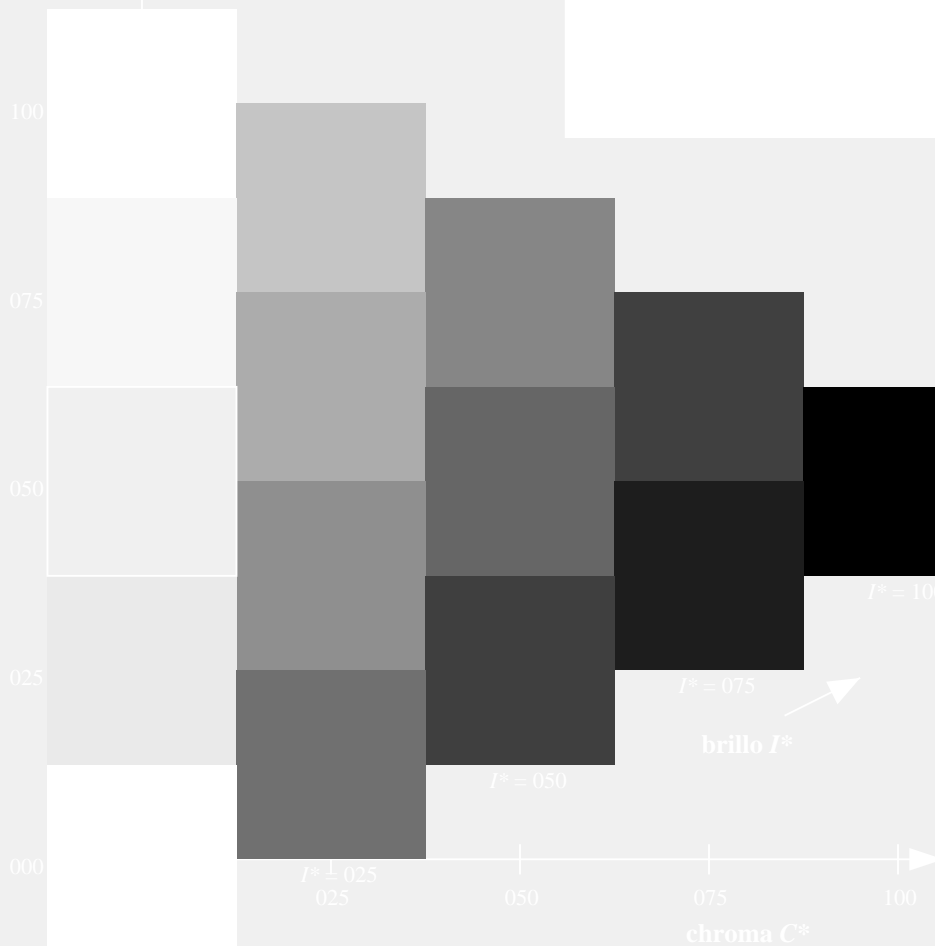
Datos del dispositivo (d) o elemental (e) color:

$HIC^*_d$   
código de tono para los colores  
esta página:  
 $H^*_d = Y25G_d$   
triángulo claridad  $T^*$



Los datos de color máximo (Ma):  
 $LabCh^*_{d, Ma}$ : 90 -20 86 89 103  
 $HIC^*_{d, Ma}$ : Y25G\_100\_100d  
 $rgbic^*_{d, Ma}$ :  
0.76 1.0 0.0 1.0 1.0  
triángulo claridad  $T^*$

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



vea archivos semejantes: <http://130.149.60.45/~farbmetrik/QS49/QS49.HTM>  
información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

TUB matrícula: 20130201-QS49/QS49L0FP.PDF /.PS  
aplicación para la medida salida de impresora láser, separación cmykn6\* (CMYK)

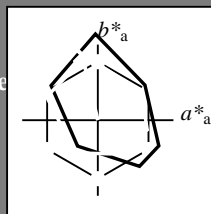
TUB material: code=rh4ta

Entrada i salida: Printer Reflective System FRS06a for relative CIELAB hue  $h_{ab,a,rel} = h_{ab}/360 = 103/360 = 0.28$

$H^*_d = Y25G_d$

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

$HIC^*_d$   
 código de tono para los colores  
 esta página:  
 $H^*_d = Y25G_d$   
 triángulo claridad  $T^*$



**LRS18a; datos adaptados CIELAB (a)**

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

Los datos de color máximo (Ma):

$LabCh^*_d, Ma$ : 90 -20 86 89 103

$HIC^*_d, Ma$ : Y25G\_100\_100d

$rgbic^*_d, Ma$ :

0.76 1.0 0.0 1.0 1.0

triángulo claridad  $T^*$

%Gama

$u^*_{rel} = 114$

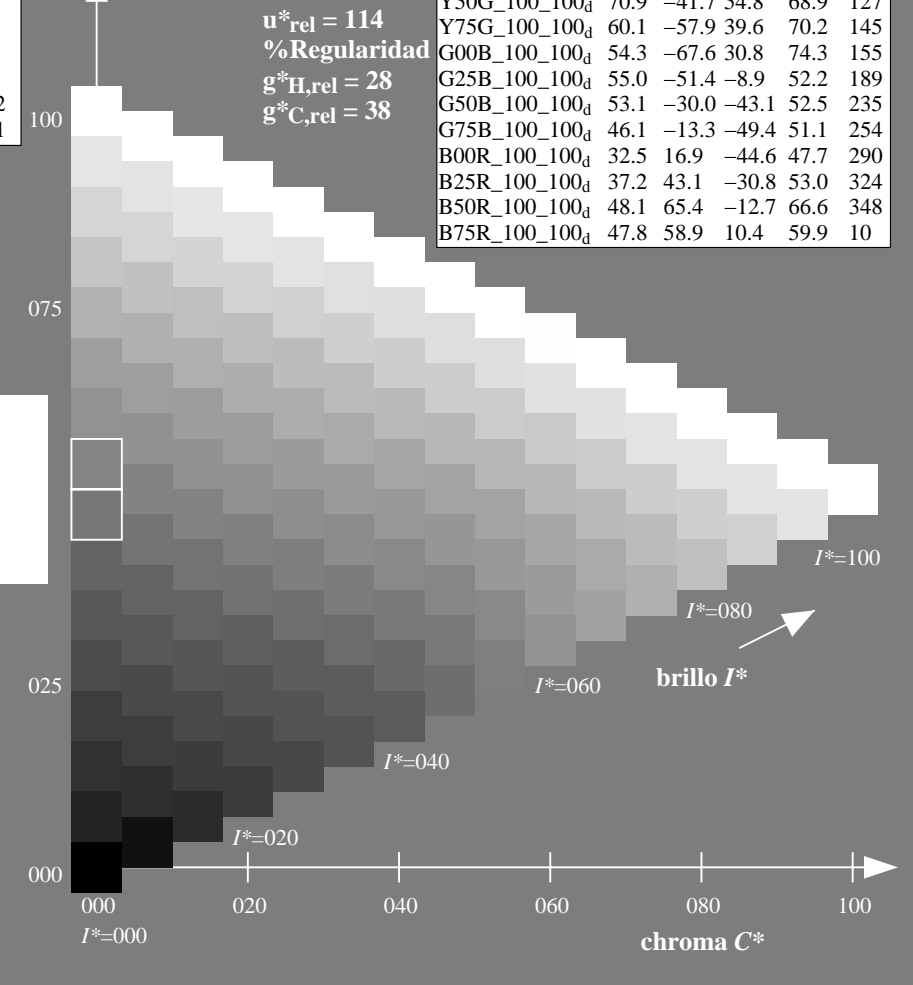
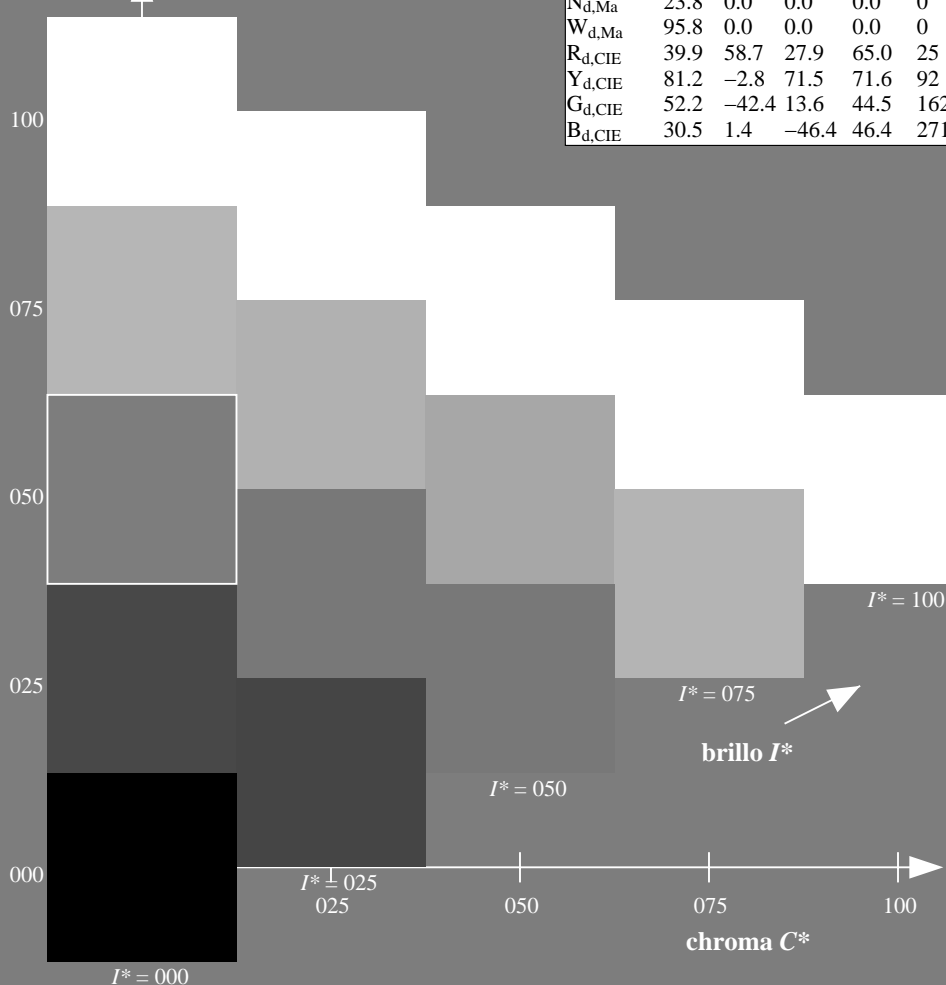
%Regularidad

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

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

**LRS18a; datos adaptados CIELAB (a)**

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



vea archivos semejantes: <http://130.149.60.45/~farbmetrik/QS49/QS49L0FP.PDF> / .PS; 3D-linealización  
 información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

TUB matrícula: 20130201-QS49/QS49L0FP.PDF /.PS  
 aplicación para la medida salida de impresora láser, separación cmyk\* (CMYK)

TUB material: code=rh4ta

gráfico TUB-QS49; código de tono:  $H^*_d = Y25G_d$   
 gráfico según a DIN 33872, 3D=1, de=0,  $cmyk^*$

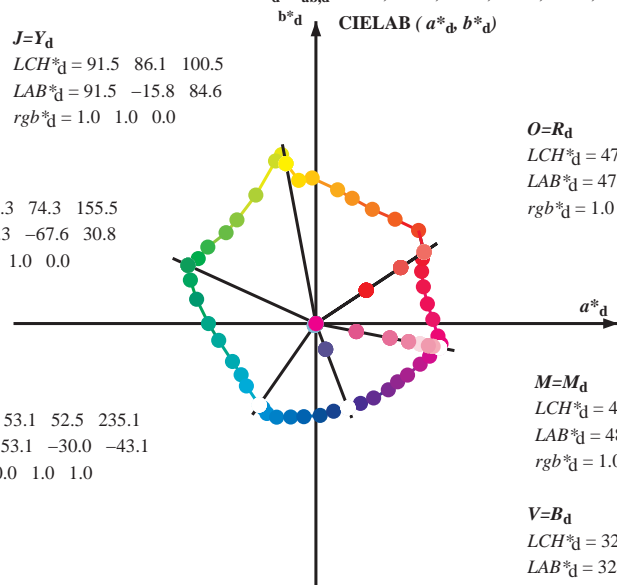
entrada:  $rgb/cmyk \rightarrow rgb_{dd}$   
 salida: 3D-linealización a  $cmyk^*_{dd}$

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

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

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

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



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

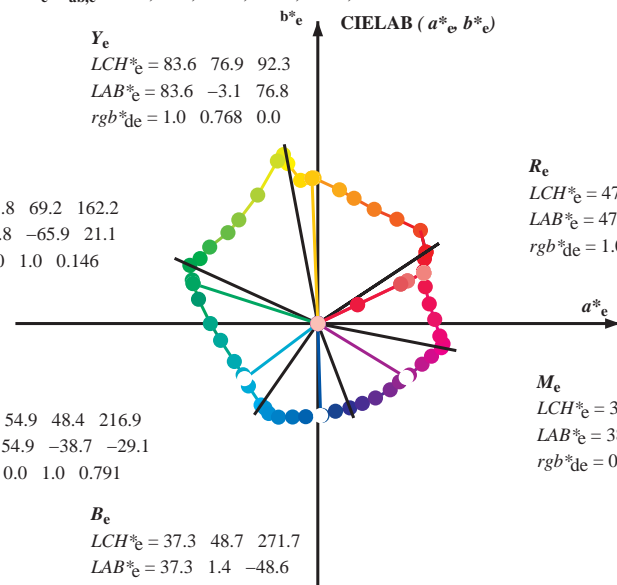
$M=M_d$   
 $LCH^*_d = 48.1 \ 66.6 \ 348.9$   
 $LAB^*_d = 48.1 \ 65.4 \ -12.7$   
 $rgb^*_d = 1.0 \ 0.0 \ 1.0$

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

$Y_e$   
 $LCH^*_e = 83.6 \ 76.9 \ 92.3$   
 $LAB^*_e = 83.6 \ -3.1 \ 76.8$   
 $rgb^*_de = 1.0 \ 0.768 \ 0.0$

$G_e$   
 $LCH^*_e = 53.8 \ 69.2 \ 162.2$   
 $LAB^*_e = 53.8 \ -65.9 \ 21.1$   
 $rgb^*_de = 0.0 \ 1.0 \ 0.146$

$C_e$   
 $LCH^*_e = 54.9 \ 48.4 \ 216.9$   
 $LAB^*_e = 54.9 \ -38.7 \ -29.1$   
 $rgb^*_de = 0.0 \ 1.0 \ 0.791$



$R_e$   
 $LCH^*_e = 47.5 \ 62.1 \ 25.4$   
 $LAB^*_e = 47.5 \ 56.0 \ 26.7$   
 $rgb^*_de = 1.0 \ 0.0 \ 0.263$

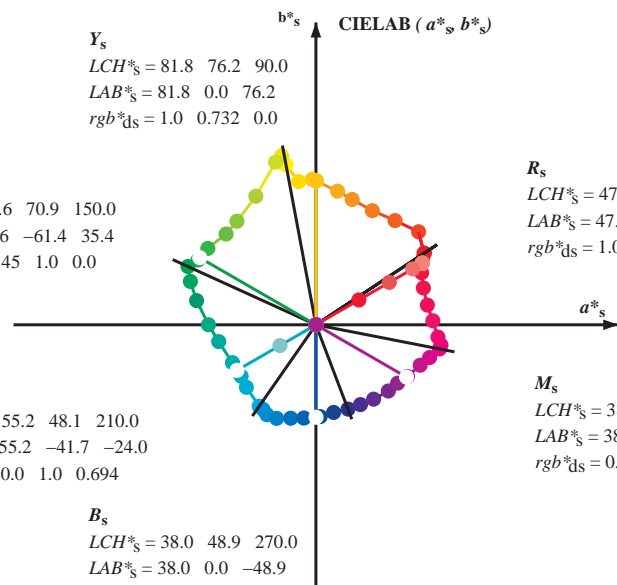
$M_e$   
 $LCH^*_e = 38.5 \ 54.7 \ 328.6$   
 $LAB^*_e = 38.5 \ 46.7 \ -28.5$   
 $rgb^*_de = 0.584 \ 0.0 \ 1.0$

$B_e$   
 $LCH^*_e = 37.3 \ 48.7 \ 271.7$   
 $LAB^*_e = 37.3 \ 1.4 \ -48.6$   
 $rgb^*_de = 0.0 \ 0.261 \ 1.0$

$Y_s$   
 $LCH^*_s = 81.8 \ 76.2 \ 90.0$   
 $LAB^*_s = 81.8 \ 0.0 \ 76.2$   
 $rgb^*_ds = 1.0 \ 0.732 \ 0.0$

$G_s$   
 $LCH^*_s = 57.6 \ 70.9 \ 150.0$   
 $LAB^*_s = 57.6 \ -61.4 \ 35.4$   
 $rgb^*_ds = 0.145 \ 1.0 \ 0.0$

$C_s$   
 $LCH^*_s = 55.2 \ 48.1 \ 210.0$   
 $LAB^*_s = 55.2 \ -41.7 \ -24.0$   
 $rgb^*_ds = 0.0 \ 1.0 \ 0.694$



$R_s$   
 $LCH^*_s = 47.6 \ 65.0 \ 30.0$   
 $LAB^*_s = 47.6 \ 56.3 \ 32.5$   
 $rgb^*_ds = 1.0 \ 0.0 \ 0.157$

$M_s$   
 $LCH^*_s = 38.9 \ 55.3 \ 330.0$   
 $LAB^*_s = 38.9 \ 47.9 \ -27.6$   
 $rgb^*_ds = 0.612 \ 0.0 \ 1.0$

$B_s$   
 $LCH^*_s = 38.0 \ 48.9 \ 270.0$   
 $LAB^*_s = 38.0 \ 0.0 \ -48.9$   
 $rgb^*_ds = 0.0 \ 0.283 \ 1.0$

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

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

$h_{ab}, rgb^*_d$

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

$h_{ab,s}$

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

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

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

$h_{ab,e}$

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

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

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

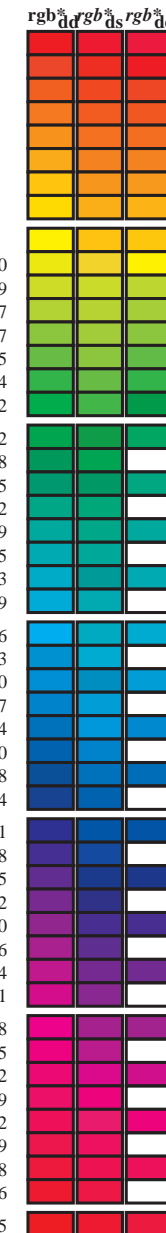
$h_{ab}, h_{ab,d}$

$rgb^*_de$



Data of maximum color M in colorimetric system Laser printer output; separation cmy<sup>6</sup>\*, D65 for input or output; Six hue angles of the 60 degree standard colours RY<sup>6</sup>CBM<sub>6</sub>; h<sub>ab,ds</sub> = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;  
 Six hue angles of the device colours RY<sup>6</sup>CBM<sub>d</sub>; h<sub>ab,d</sub> = 33.5, 100.6, 155.5, 235.2, 290.8, 348.9; Six hue angles of the elementary colours RY<sup>6</sup>CBM<sub>e</sub>; h<sub>ab,e</sub> = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

h <sub>ab,d</sub>	h <sub>ab,s</sub>	h <sub>ab,e</sub>	rgb <sup>6</sup> * dd64M	LAB <sup>6</sup> * ddx64M (x=LabCh)	rgb <sup>6</sup> * ddx361M	LAB <sup>6</sup> * ddx361M (x=LabCh)	rgb <sup>6</sup> * dsx361M	LAB <sup>6</sup> * dsx361M (x=LabCh)	rgb <sup>6</sup> * dex361M	LAB <sup>6</sup> * 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 0.0	47.6 57.2 37.9 68.6 33	1.0 0.0 0.158 47.7	56.3 32.5 65.0 30	1.0 0.0 0.263 47.6	56.1 26.7 62.1 25
42.1	37.5	33.8	1.0 0.125 0.0	51.9 54.3 49.2 73.2 42.1	1.0 0.117 0.0	51.7 54.6 48.5 73.0 41	1.0 0.005 0.0	49.4 56.3 42.4 70.5 37	1.0 0.0 0.012 47.6	57.2 37.5 68.4 33
52.8	45.0	42.1	1.0 0.25 0.0	58.2 41.8 55.1 69.2 52.8	1.0 0.25 0.0	58.3 41.8 55.2 69.2 52	1.0 0.158 0.0	53.6 51.1 51.1 72.2 45	1.0 0.125 0.0	52.0 54.3 49.2 73.2 42
63.7	52.5	50.5	1.0 0.375 0.0	64.6 29.8 60.4 67.3 63.7	1.0 0.367 0.0	64.2 30.6 60.1 67.5 63	1.0 0.24 0.0	57.8 42.8 54.8 69.6 52	1.0 0.216 0.0	56.6 45.2 53.9 70.3 49
73.8	60.0	58.8	1.0 0.5 0.0	70.5 19.2 66.2 69.0 73.8	1.0 0.5 0.0	70.5 19.2 66.3 69.0 73	1.0 0.332 0.0	62.5 34.0 58.9 68.0 60	1.0 0.32 0.0	61.8 35.2 58.4 68.2 58
80.7	67.5	67.2	1.0 0.625 0.0	74.9 11.4 70.7 71.6 80.7	1.0 0.617 0.0	74.6 12.0 70.5 71.5 80	1.0 0.416 0.0	66.6 26.5 62.5 67.9 67	1.0 0.412 0.0	66.4 26.9 62.3 67.9 66
91.5	75.0	75.6	1.0 0.75 0.0	82.9 -2.0 76.9 77.0 91.5	1.0 0.75 0.0	83.0 -1.9 77.0 77.0 -268	1.0 0.521 0.0	71.3 18.0 67.1 69.5 75	1.0 0.532 0.0	71.6 17.3 67.5 69.7 75
96.8	82.5	83.9	1.0 0.875 0.0	87.6 -9.0 75.7 76.3 96.8	1.0 0.867 0.0	87.3 -8.5 75.9 76.4 96	1.0 0.639 0.0	75.8 10.1 71.6 72.3 82	1.0 0.655 0.0	76.9 8.4 72.5 73.0 83
100.5	90.0	92.3	1.0 1.0 0.0	91.5 -15.8 84.6 86.1 100.5	1.0 1.0 0.0	91.6 -15.7 84.7 86.2 100	1.0 0.732 0.0	81.8 0.0 76.3 76.3 90	1.0 0.769 0.0	83.7 -3.0 76.8 76.9 92
101.4	97.5	101.0	0.875 1.0 0.0	92.8 -18.1 89.4 91.2 101.4	0.883 1.0 0.0	92.7 -17.9 89.1 90.9 101	1.0 0.88 0.0	87.8 -9.3 76.2 76.7 97	1.0 0.996 0.0	91.5 -15.5 84.4 85.8 100
103.9	105.0	109.7	0.75 1.0 0.0	90.1 -21.3 86.0 88.6 103.9	0.75 1.0 0.0	90.1 -21.3 86.0 88.7 103	0.738 1.0 0.0	89.2 -22.5 84.4 87.4 105	0.684 1.0 0.0	84.7 -27.5 76.7 81.5 109
115.0	112.5	118.5	0.625 1.0 0.0	79.9 -31.7 67.9 75.0 115.0	0.633 1.0 0.0	80.6 -31.1 69.2 75.9 114	0.659 1.0 0.0	82.7 -29.4 73.0 78.8 112	0.595 1.0 0.0	77.8 -34.4 65.0 73.6 117
127.3	120.0	127.2	0.5 1.0 0.0	70.9 -41.7 54.8 68.9 127.3	0.5 1.0 0.0	71.0 -41.7 54.8 68.9 127	0.574 1.0 0.0	76.3 -36.2 62.8 72.6 120	0.501 1.0 0.0	71.0 -41.6 54.9 68.9 127
134.7	127.5	136.0	0.375 1.0 0.0	66.5 -47.5 48.0 67.6 134.7	0.383 1.0 0.0	66.9 -47.1 48.5 67.7 134	0.503 1.0 0.0	71.2 -41.5 55.2 69.1 127	0.366 1.0 0.0	66.2 -48.2 47.6 67.8 135
144.7	135.0	144.7	0.25 1.0 0.0	60.6 -57.2 40.4 70.1 144.7	0.25 1.0 0.0	60.6 -57.2 40.5 70.1 144	0.372 1.0 0.0	66.4 -47.8 47.9 67.7 135	0.25 1.0 0.0	60.6 -57.1 40.5 70.1 144
151.0	142.5	153.4	0.125 1.0 0.0	57.0 -62.2 34.4 71.1 151.0	0.133 1.0 0.0	57.3 -61.8 34.8 71.0 150	0.284 1.0 0.0	62.3 -54.6 42.7 69.4 142	0.073 1.0 0.0	55.9 -64.4 33.0 72.5 152
155.5	150.0	162.2	0.0 1.0 0.0	54.3 -67.6 30.8 74.3 155.5	0.0 1.0 0.0	54.3 -67.6 30.8 74.4 155	0.146 1.0 0.0	57.6 -61.3 35.5 70.9 150	0.0 1.0 0.147 53.8	-65.9 21.1 69.3 162
160.8	157.5	169.0	0.0 1.0 0.125 53.8	-66.4 23.0 70.2 160.8	0.0 1.0 0.117 53.9	-66.4 23.5 70.6 160	0.0 1.0 0.035 54.2	-67.3 28.6 73.2 157	0.0 1.0 0.251 53.8	-63.0 12.7 64.4 168
168.5	165.0	175.9	0.0 1.0 0.25 53.7	-63.1 12.8 64.4 168.5	0.0 1.0 0.25 53.8	-63.1 12.8 64.4 168	0.0 1.0 0.192 53.8	-64.7 17.4 67.1 165	0.0 1.0 0.331 54.4	-59.3 4.2 59.5 175
179.9	172.5	182.7	0.0 1.0 0.375 54.7	-56.8 0.0 56.8 179.9	0.0 1.0 0.367 54.7	-57.2 0.8 57.3 179	0.0 1.0 0.288 54.1	-61.4 8.6 62.1 172	0.0 1.0 0.405 54.8	-55.6 -2.1 55.7 182
189.8	180.0	189.6	0.0 1.0 0.5 55.0	-51.4 -8.9 52.2 189.8	0.0 1.0 0.5 55.0	-51.4 -8.8 52.2 189	0.0 1.0 0.375 54.8	-56.7 0.0 56.8 180	0.0 1.0 0.497 55.0	-51.5 -8.6 52.3 189
204.4	187.5	196.4	0.0 1.0 0.625 55.3	-44.1 -20.0 48.5 204.4	0.0 1.0 0.617 55.3	-44.6 -19.3 48.8 203	0.0 1.0 0.464 55.0	-53.0 -6.4 53.5 187	0.0 1.0 0.553 55.2	-48.6 -13.9 50.7 195
214.4	195.0	203.2	0.0 1.0 0.75 55.2	-39.5 -27.1 47.9 214.4	0.0 1.0 0.75 55.2	-39.4 -27.0 47.9 214	0.0 1.0 0.544 55.2	-49.1 -13.1 50.9 195	0.0 1.0 0.615 55.3	-44.7 -19.2 48.8 203
221.9	202.5	210.1	0.0 1.0 0.875 54.4	-36.7 -33.0 49.4 221.9	0.0 1.0 0.867 54.5	-36.9 -32.6 49.4 221	0.0 1.0 0.604 55.3	-45.5 -18.3 49.1 202	0.0 1.0 0.69 55.3	-41.8 -23.8 48.2 209
235.1	210.0	216.9	0.0 1.0 1.0 53.1	-30.0 -43.1 52.5 235.1	0.0 1.0 1.0 53.1	-29.9 -43.0 52.5 235	0.0 1.0 0.694 55.3	-41.6 -24.0 48.2 210	0.0 1.0 0.792 55.0	-38.6 -29.0 48.4 216
237.9	217.5	223.8	0.0 0.875 1.0 53.1	-27.9 -44.7 52.7 237.9	0.0 0.883 1.0 53.1	-28.0 -44.5 52.8 237	0.0 1.0 0.792 55.0	-38.6 -29.1 48.5 217	0.0 1.0 0.888 54.3	-36.1 -34.1 49.8 223
241.3	225.0	230.6	0.0 0.75 1.0 52.9	-25.9 -47.5 54.1 241.3	0.0 0.75 1.0 52.9	-25.8 -47.5 54.2 241	0.0 1.0 0.904 54.2	-35.4 -35.4 50.2 225	0.0 1.0 0.957 53.6	-32.5 -39.7 51.5 230
247.2	232.5	237.5	0.0 0.625 1.0 50.5	-20.8 -49.5 53.7 247.2	0.0 0.633 1.0 50.7	-21.1 -49.3 53.8 246	0.0 1.0 0.97 53.5	-31.8 -40.7 51.8 232	0.0 0.916 1.0 53.1	-28.6 -44.1 52.7 237
254.9	240.0	244.3	0.0 0.5 1.0 46.1	-13.3 -49.4 51.1 254.9	0.0 0.5 1.0 46.2	-13.2 -49.3 51.2 254	0.0 0.801 1.0 53.0	-26.7 -46.3 53.6 240	0.0 0.686 1.0 51.7	-23.3 -48.5 54.0 244
262.6	247.5	251.2	0.0 0.375 1.0 41.4	-6.3 -49.2 49.6 262.6	0.0 0.383 1.0 41.7	-6.7 -49.2 49.8 262	0.0 0.63 1.0 50.7	-20.9 -49.4 53.8 247	0.0 0.568 1.0 48.6	-17.2 -49.5 52.6 250
272.6	255.0	258.0	0.0 0.25 1.0 36.8	2.2 -48.5 48.6 272.6	0.0 0.25 1.0 36.9	2.2 -48.5 48.6 272	0.0 0.499 1.0 46.1	-13.1 -49.3 51.2 255	0.0 0.449 1.0 44.2	-10.4 -49.4 50.6 258
281.4	262.5	264.8	0.0 0.125 1.0 35.0	9.4 -46.3 47.3 281.4	0.0 0.133 1.0 35.2	8.9 -46.5 47.4 280	0.0 0.386 1.0 41.8	-6.8 -49.2 49.8 262	0.0 0.353 1.0 40.6	-4.7 -49.2 49.5 264
290.8	270.0	271.7	0.0 0.0 1.0 32.5	16.9 -44.6 47.7 290.8	0.0 0.0 1.0 32.6	16.9 -44.5 47.7 290	0.0 0.283 1.0 38.1	0.0 -48.8 48.9 270	0.0 0.261 1.0 37.3	1.5 -48.6 48.7 271
299.2	277.5	278.8	0.125 0.0 1.0 31.6	23.6 -42.2 48.4 299.2	0.117 0.0 1.0 31.7	23.2 -42.3 48.4 298	0.0 0.188 1.0 36.0	5.8 -47.5 48.0 277	0.0 0.169 1.0 35.7	7.0 -47.2 47.8 278
307.8	285.0	285.9	0.25 0.0 1.0 31.0	30.5 -39.3 49.8 307.8	0.25 0.0 1.0 31.0	30.6 -39.3 49.9 307	0.0 0.078 1.0 34.1	12.3 -45.8 47.5 285	0.0 0.065 1.0 33.9	13.1 -45.6 47.5 285
317.5	292.5	293.0	0.375 0.0 1.0 34.2	38.2 -35.0 51.8 317.5	0.367 0.0 1.0 34.0	37.8 -35.3 51.7 316	0.018 0.0 1.0 32.4	17.9 -44.2 47.8 292	0.026 0.0 1.0 32.4	18.4 -44.1 47.9 292
324.4	300.0	300.1	0.5 0.0 1.0 37.2	43.1 -30.8 53.0 324.4	0.5 0.0 1.0 37.2	43.2 -30.8 53.1 324	0.136 0.0 1.0 31.6	24.3 -41.9 48.5 300	0.139 0.0 1.0 31.5	24.4 -41.9 48.6 300
330.6	307.5	307.2	0.625 0.0 1.0 39.1	48.4 -27.2 55.6 330.6	0.617 0.0 1.0 39.0	48.1 -27.4 55.4 330	0.238 0.0 1.0 31.1	29.9 -39.6 49.7 307	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	0.75 0.0 1.0 41.9	55.2 -21.4 59.2 338	0.343 0.0 1.0 33.4	36.3 -36.2 51.4 315	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	0.867 0.0 1.0 45.4	59.8 -17.5 62.4 343	0.456 0.0 1.0 36.2	41.5 -32.3 52.7 322	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	1.0 0.0 1.0 48.2	65.4 -12.7 66.7 348	0.612 0.0 1.0 38.9	47.9 -27.6 55.4 330	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	1.0 0.0 0.883 49.5	66.1 -10.8 67.0 350	0.723 0.0 1.0 41.3	53.8 -22.7 58.4 337	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	1.0 0.0 0.75 49.3	64.6 -6.5 64.9 354	0.902 0.0 1.0 46.2	61.3 -16.3 63.5 345	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 0.633 48.1	62.0 1.6 62.0 361	1.0 0.0 0.83 49.5	65.6 -9.1 66.3 352	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 0.5 47.8	59.0 10.4 59.9 370	1.0 0.0 0.657 48.3	62.6 0.0 62.6 360	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 0.383 47.4	57.0 18.9 60.1 378	1.0 0.0 0.547 47.9	60.2 7.4 60.6 367	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 0.25 47.6	55.9 27.6 62.4 386	1.0 0.0 0.43 47.6	58.0 15.5 60.0 375	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 0.133 47.7	56.4 33.8 65.7 390	1.0 0.0 0.323 47.5	56.6 22.9 61.0 382	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 0.0 47.6	57.2 37.9 68.6 393	1.0 0.0 0.158 47.7	56.3 32.5 65.0 390	1.0 0.0 0.263 47.6	56.1 26.7 62.1 385



vea archivos semejantes: <http://130.149.60.45/~farbmetrik/QS49/QS49L0FP.PDF> / .PS  
 información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

TUB matrícula: 20130201-QS49/QS49L0FP.PDF /.PS  
 aplicación para la medida salida de impresora láser, separación cmy<sup>6</sup>\* (CMYK)  
 TUB material: code=rh4ta



Data of Maximum color M in colorimetric system Laser printer output; separation cmy<sup>6</sup>\*, D65 for input or output; Six hue angles of the 60 degree standard colours RY<sup>6</sup>CBM<sub>s</sub>: h<sub>ab,ds</sub> = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;  
 Six hue angles of the device colours RY<sup>6</sup>CBM<sub>d</sub>: h<sub>ab,d</sub> = 33.5, 100.6, 155.5, 235.2, 290.8, 348.9; Six hue angles of the elementary colours RY<sup>6</sup>CBM<sub>e</sub>: h<sub>ab,e</sub> = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

h <sub>ab,d</sub>	h <sub>ab,s</sub>	h <sub>ab,e</sub>	rgb <sup>6</sup> * dd64M	LAB* ddx64M (x=LabCh)	rgb <sup>6</sup> * 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	0.910 0.0 1.0 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



vea archivos semejantes: <http://130.149.60.45/~farbmetrik/QS49/QS49L0FP.PDF> / .PS  
 información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

TUB matrícula: 20130201-QS49/QS49L0FP.PDF /.PS  
 aplicación para la medida salida de impresora láser, separación cmy<sup>6</sup>\* (CMYK)  
 TUB material: code=rh4ta

Data of Maximum color M in colorimetric system Laser printer output; separation cmy<sup>6</sup>\*, D65 for input or output; Six hue angles of the 60 degree standard colours RY<sup>6</sup>CBM<sub>c</sub>: h<sub>ab,ds</sub> = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;

Six hue angles of the device colours RY<sup>6</sup>CBM<sub>d</sub>: h<sub>ab,d</sub> = 33.5, 100.6, 155.5, 235.2, 290.8, 348.9; Six hue angles of the elementary colours RY<sup>6</sup>CBM<sub>e</sub>: h<sub>ab,e</sub> = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

h <sub>ab,d</sub>	h <sub>ab,s</sub>	h <sub>ab,e</sub>	rgb <sup>6</sup> *_dd361M	LAB <sup>6</sup> *_ddx361Mi (x=LabCh)	R <sub>d</sub>	rgb <sup>6</sup> *_ds361Mi	LAB <sup>6</sup> *_dsx361Mi (x=LabCh)	R <sub>s</sub>	rgb <sup>6</sup> *_dd361Mi	LAB <sup>6</sup> *_de361Mi	R <sub>e</sub>	rgb <sup>6</sup> *_dd361Mi	rgb <sup>6</sup> *_dd	rgb <sup>6</sup> *_ds	rgb <sup>6</sup> *_de
33	30	25	1.0 0.0 0.0	47.5 57.2 37.8 68.6 33		1.0 0.0 0.158 47.7 56.3 32.5 65.0 30		1.0 0.0 0.0	1.0 0.0 0.263 47.6 56.1 26.7 62.1 25		1.0 0.0 0.0				
34	31	26	1.0 0.016 0.0	48.1 56.9 39.3 69.2 34		1.0 0.0 0.133 47.7 56.4 33.9 65.8 31		1.0 0.017 0.0	1.0 0.0 0.242 47.6 56.0 28.0 62.6 26		1.0 0.017 0.0				
35	32	27	1.0 0.033 0.0	48.7 56.6 40.8 69.8 35		1.0 0.0 0.085 47.7 56.7 35.4 66.8 32		1.0 0.033 0.0	1.0 0.0 0.214 47.6 56.1 29.5 63.4 27		1.0 0.033 0.0				
36	33	28	1.0 0.05 0.0	49.3 56.3 42.3 70.4 36		1.0 0.0 0.028 47.6 57.1 37.0 68.0 33		1.0 0.05 0.0	1.0 0.0 0.187 47.6 56.2 30.9 64.2 28		1.0 0.05 0.0				
38	34	29	1.0 0.066 0.0	49.9 55.9 43.9 71.1 38		1.0 0.007 0.0 47.8 57.1 38.5 68.9 34		1.0 0.067 0.0	1.0 0.0 0.159 47.7 56.3 32.4 65.0 29		1.0 0.067 0.0				
39	35	31	1.0 0.083 0.0	50.5 55.5 45.4 71.7 39		1.0 0.022 0.0 48.4 56.9 39.8 69.4 35		1.0 0.083 0.0	1.0 0.0 0.132 47.7 56.4 33.9 65.8 31		1.0 0.083 0.0				
40	36	32	1.0 0.1 0.0	51.0 55.0 46.9 72.3 40		1.0 0.036 0.0 48.9 56.6 41.1 70.0 36		1.0 0.1 0.0	1.0 0.0 0.076 47.6 56.7 35.7 67.0 32		1.0 0.1 0.0				
41	37	33	1.0 0.116 0.0	51.6 54.5 48.4 72.9 41		1.0 0.05 0.0 49.4 56.3 42.4 70.5 37		1.0 0.117 0.0	1.0 0.0 0.012 47.6 57.2 37.5 68.4 33		1.0 0.117 0.0				
42	38	34	1.0 0.133 0.0	52.3 53.4 49.7 73.0 42		1.0 0.065 0.0 49.9 56.0 43.7 71.0 38		1.0 0.133 0.0	1.0 0.013 0.0 48.0 57.0 39.0 69.1 34		1.0 0.133 0.0				
44	39	35	1.0 0.15 0.0	53.2 51.8 50.6 72.4 44		1.0 0.079 0.0 50.4 55.6 45.0 71.6 39		1.0 0.15 0.0	1.0 0.029 0.0 48.6 56.7 40.5 69.7 35		1.0 0.15 0.0				
45	40	36	1.0 0.166 0.0	54.0 50.2 51.5 71.9 45		1.0 0.094 0.0 50.9 55.2 46.4 72.1 40		1.0 0.167 0.0	1.0 0.045 0.0 49.2 56.4 41.9 70.3 36		1.0 0.167 0.0				
47	41	37	1.0 0.183 0.0	54.9 48.5 52.3 71.4 47		1.0 0.108 0.0 51.4 54.8 47.7 72.7 41		1.0 0.183 0.0	1.0 0.061 0.0 49.7 56.1 43.4 70.9 37		1.0 0.183 0.0				
48	42	38	1.0 0.2 0.0	55.7 46.8 53.1 70.8 48		1.0 0.122 0.0 51.9 54.4 49.0 73.2 42		1.0 0.2 0.0	1.0 0.077 0.0 50.3 55.7 44.8 71.5 38		1.0 0.2 0.0				
50	43	39	1.0 0.216 0.0	56.6 45.2 53.8 70.3 50		1.0 0.134 0.0 52.5 53.4 49.8 73.0 43		1.0 0.217 0.0	1.0 0.093 0.0 50.8 55.3 46.3 72.1 39		1.0 0.217 0.0				
51	44	41	1.0 0.233 0.0	57.4 43.5 54.5 69.7 51		1.0 0.146 0.0 53.0 52.2 50.4 72.6 44		1.0 0.233 0.0	1.0 0.109 0.0 51.4 54.8 47.8 72.7 41		1.0 0.233 0.0				
52	45	42	1.0 0.25 0.0	58.2 41.8 55.1 69.2 52		1.0 0.158 0.0 53.6 51.1 51.1 72.2 45		1.0 0.25 0.0	1.0 0.125 0.0 52.0 54.3 49.2 73.3 42		1.0 0.25 0.0				
54	46	43	1.0 0.266 0.0	59.1 40.2 56.0 69.0 54		1.0 0.17 0.0 54.2 49.9 51.7 71.8 46		1.0 0.267 0.0	1.0 0.138 0.0 52.6 53.0 50.0 72.9 43		1.0 0.267 0.0				
55	47	44	1.0 0.283 0.0	59.9 38.6 56.8 68.7 55		1.0 0.181 0.0 54.8 48.7 52.3 71.5 47		1.0 0.283 0.0	1.0 0.151 0.0 53.3 51.8 50.7 72.4 44		1.0 0.283 0.0				
57	48	45	1.0 0.3 0.0	60.8 37.1 57.5 68.5 57		1.0 0.193 0.0 55.4 47.6 52.8 71.1 48		1.0 0.3 0.0	1.0 0.164 0.0 54.0 50.5 51.4 72.0 45		1.0 0.3 0.0				
58	49	46	1.0 0.316 0.0	61.6 35.5 58.2 68.2 58		1.0 0.205 0.0 56.0 46.4 53.4 70.7 49		1.0 0.317 0.0	1.0 0.177 0.0 54.6 49.2 52.1 71.6 46		1.0 0.317 0.0				
60	50	47	1.0 0.333 0.0	62.5 33.9 58.9 68.0 60		1.0 0.217 0.0 56.6 45.2 53.9 70.3 50		1.0 0.333 0.0	1.0 0.19 0.0 55.3 47.9 52.7 71.2 47		1.0 0.333 0.0				
61	51	48	1.0 0.35 0.0	63.3 32.2 59.5 67.7 61		1.0 0.228 0.0 57.2 44.0 54.4 69.9 51		1.0 0.35 0.0	1.0 0.203 0.0 55.9 46.5 53.3 70.8 48		1.0 0.35 0.0				
63	52	49	1.0 0.366 0.0	64.2 30.6 60.1 67.5 63		1.0 0.24 0.0 57.8 42.8 54.8 69.6 52		1.0 0.367 0.0	1.0 0.216 0.0 56.6 45.2 53.9 70.3 49		1.0 0.367 0.0				
64	53	51	1.0 0.383 0.0	65.0 29.1 60.8 67.4 64		1.0 0.252 0.0 58.4 41.7 55.3 69.2 53		1.0 0.383 0.0	1.0 0.23 0.0 57.3 43.9 54.4 69.9 51		1.0 0.383 0.0				
65	54	52	1.0 0.4 0.0	65.8 27.8 61.7 67.7 65		1.0 0.263 0.0 59.0 40.6 55.9 69.1 54		1.0 0.4 0.0	1.0 0.243 0.0 57.9 42.6 54.9 69.5 52		1.0 0.4 0.0				
67	55	53	1.0 0.416 0.0	66.6 26.4 62.5 67.9 67		1.0 0.275 0.0 59.6 39.5 56.4 68.9 55		1.0 0.417 0.0	1.0 0.256 0.0 58.6 41.3 55.5 69.2 53		1.0 0.417 0.0				
68	56	54	1.0 0.433 0.0	67.3 25.0 63.3 68.1 68		1.0 0.288 0.0 60.1 38.4 57.0 68.7 56		1.0 0.433 0.0	1.0 0.268 0.0 59.2 40.1 56.1 69.0 54		1.0 0.433 0.0				
69	57	55	1.0 0.45 0.0	68.1 23.6 64.1 68.3 69		1.0 0.298 0.0 60.7 37.3 57.5 68.5 57		1.0 0.45 0.0	1.0 0.281 0.0 59.9 38.9 56.7 68.8 55		1.0 0.45 0.0				
71	58	56	1.0 0.466 0.0	68.9 22.1 64.8 68.5 71		1.0 0.309 0.0 61.3 36.2 58.0 68.4 58		1.0 0.467 0.0	1.0 0.294 0.0 60.5 37.7 57.3 68.6 56		1.0 0.467 0.0				
72	59	57	1.0 0.483 0.0	69.7 20.7 65.6 68.8 72		1.0 0.321 0.0 61.9 35.1 58.5 68.2 59		1.0 0.483 0.0	1.0 0.307 0.0 61.2 36.5 57.9 68.4 57		1.0 0.483 0.0				
73	60	58	1.0 0.5 0.0	70.5 19.2 66.2 69.0 73		1.0 0.332 0.0 62.5 34.0 58.9 68.0 60		1.0 0.5 0.0	1.0 0.32 0.0 61.8 35.2 58.4 68.2 58		1.0 0.5 0.0				
74	61	60	1.0 0.516 0.0	71.0 18.2 66.9 69.3 74		1.0 0.344 0.0 63.1 32.9 59.3 67.8 61		1.0 0.517 0.0	1.0 0.332 0.0 62.5 34.0 58.9 68.0 60		1.0 0.517 0.0				
75	62	61	1.0 0.533 0.0	71.6 17.2 67.5 69.7 75		1.0 0.355 0.0 63.6 31.8 59.8 67.7 62		1.0 0.533 0.0	1.0 0.345 0.0 63.1 32.8 59.4 67.8 61		1.0 0.533 0.0				
76	63	62	1.0 0.55 0.0	72.2 16.2 68.1 70.0 76		1.0 0.367 0.0 64.2 30.6 60.1 67.5 63		1.0 0.55 0.0	1.0 0.358 0.0 63.8 31.5 59.9 67.6 62		1.0 0.55 0.0				
77	64	63	1.0 0.566 0.0	72.8 15.1 68.7 70.4 77		1.0 0.378 0.0 64.8 29.6 60.6 67.4 64		1.0 0.567 0.0	1.0 0.371 0.0 64.4 30.3 60.3 67.4 63		1.0 0.567 0.0				
78	65	64	1.0 0.583 0.0	73.4 14.1 69.3 70.7 78		1.0 0.391 0.0 65.4 28.6 61.3 67.6 65		1.0 0.583 0.0	1.0 0.384 0.0 65.1 29.1 60.9 67.5 64		1.0 0.583 0.0				
79	66	65	1.0 0.6 0.0	74.0 13.0 69.9 71.1 79		1.0 0.403 0.0 66.0 27.6 61.9 67.8 66		1.0 0.6 0.0	1.0 0.398 0.0 65.7 28.0 61.6 67.7 65		1.0 0.6 0.0				
80	67	66	1.0 0.616 0.0	74.6 12.0 70.4 71.4 80		1.0 0.416 0.0 66.6 26.5 62.5 67.9 67		1.0 0.617 0.0	1.0 0.412 0.0 66.4 26.9 62.3 67.9 66		1.0 0.617 0.0				
81	68	67	1.0 0.633 0.0	75.4 10.6 71.2 72.0 81		1.0 0.428 0.0 67.1 25.5 63.1 68.1 68		1.0 0.633 0.0	1.0 0.425 0.0 67.0 25.7 63.0 68.0 67		1.0 0.633 0.0				
82	69	68	1.0 0.65 0.0	76.5 8.9 72.1 72.7 82		1.0 0.44 0.0 67.7 24.5 63.7 68.2 69		1.0 0.65 0.0	1.0 0.439 0.0 67.7 24.5 63.7 68.2 68		1.0 0.65 0.0				
84	70	70	1.0 0.666 0.0	77.5 7.2 73.0 73.4 84		1.0 0.453 0.0 68.3 23.4 64.3 68.4 70		1.0 0.667 0.0	1.0 0.453 0.0 68.3 23.4 64.3 68.4 70		1.0 0.667 0.0				
85	71	71	1.0 0.683 0.0	78.6 5.4 73.9 74.1 85		1.0 0.465 0.0 68.9 22.3 64.8 68.6 71		1.0 0.683 0.0	1.0 0.467 0.0 69.0 22.2 64.9 68.6 71		1.0 0.683 0.0				
87	72	72	1.0 0.7 0.0	79.7 3.6 74.7 74.8 87		1.0 0.477 0.0 69.5 21.2 65.4 68.7 72		1.0 0.7 0.0	1.0 0.481 0.0 69.6 20.9 65.5 68.8 72		1.0 0.7 0.0				
88	73	73	1.0 0.716 0.0	80.8 1.7 75.5 75.5 88		1.0 0.49 0.0 70.0 20.1 65.9 68.9 73		1.0 0.717 0.0	1.0 0.494 0.0 70.2 19.7 66.1 68.9 73		1.0 0.717 0.0				
-269	74	74	1.0 0.733 0.0	81.8 -0.1 76.3 76.3 -269		1.0 0.503 0.0 70.6 19.0 66.4 69.1 74		1.0 0.733 0.0	1.0 0.512 0.0 70.9 18.5 66.7 69.3 74		1.0 0.733 0.0				
-268	75	75	1.0 0.75 0.0	82.9 -2.0 76.9 77.0 -268	R <sub>d</sub>	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				

2-103930-L0 QS490-72 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 cmy<sup>6</sup>\*, D65, página 10/33

gráfico TUB-QS49; código de tono: H\*<sub>d</sub>=Y25G<sub>d</sub>  
 círculo de tono, 48 pasos; rgb-LabCh\*mesas

entrada: rgb/cmyk -> rgb<sub>dd</sub>  
 salida: 3D-linealización a cmyk\*<sub>dd</sub>

2-103930-F0 C M Y O L V

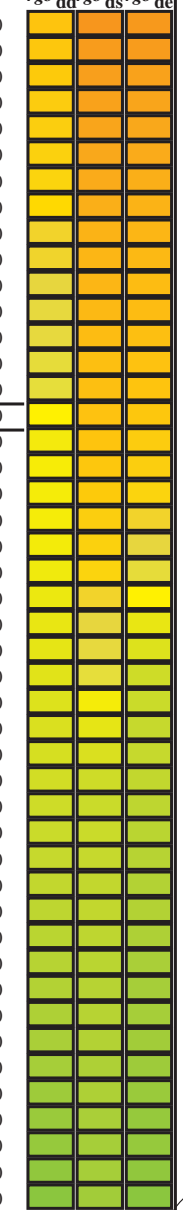
vea archivos semejantes: <http://130.149.60.45/~farbmetrik/QS49/QS49L0FP.PDF> / .PS  
 información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

TUB matrícula: 20130201-QS49/QS49L0FP.PDF /.PS  
 aplicación para la medida salida de impresora láser, separación cmy<sup>6</sup>\* (CMYK)  
 TUB material: code=rh4ta

Data of Maximum color M in colorimetric system Laser printer output; separation cmy<sup>6</sup>\*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM<sub>c</sub>; h<sub>ab,ds</sub> = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;

Six hue angles of the device colours RYGBM<sub>d</sub>; h<sub>ab,d</sub> = 33.5, 100.6, 155.5, 235.2, 290.8, 348.9; Six hue angles of the elementary colours RYGBM<sub>e</sub>; h<sub>ab,e</sub> = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

h <sub>ab,d</sub>	h <sub>ab,s</sub>	h <sub>ab,e</sub>	rgb <sup>6</sup> * dd361M	LAB <sup>6</sup> * dxx361Mi (x=LabCh)	rgb <sup>6</sup> * ds361Mi	LAB <sup>6</sup> * dsx361Mi (x=LabCh)	rgb <sup>6</sup> * dd361Mi	LAB <sup>6</sup> * dex361Mi (x=LabCh)	rgb <sup>6</sup> * dd361Mi	LAB <sup>6</sup> * dex361Mi (x=LabCh)	rgb <sup>6</sup> * dd361Mi	LAB <sup>6</sup> * dex361Mi (x=LabCh)	rgb <sup>6</sup> * dd361Mi	LAB <sup>6</sup> * dex361Mi (x=LabCh)
-268	75	75	1.0 0.75 0.0	82.9 -2.0 76.9 77.0	-268 R <sub>d</sub>	1.0 0.521 0.0	71.3 18.0 67.1 69.5 75	1.0 0.75 0.0	1.0 0.532 0.0	71.6 17.3 67.5 69.7 75	1.0 0.75 0.0			
92	76	76	1.0 0.766 0.0	83.5 -2.9 76.8 76.9 92		1.0 0.539 0.0	71.9 16.9 67.8 69.8 76	1.0 0.767 0.0	1.0 0.552 0.0	72.3 16.1 68.2 70.1 76	1.0 0.767 0.0			
92	77	77	1.0 0.783 0.0	84.2 -3.9 76.7 76.8 92		1.0 0.557 0.0	72.5 15.8 68.4 70.2 77	1.0 0.783 0.0	1.0 0.572 0.0	73.0 14.9 69.0 70.5 77	1.0 0.783 0.0			
93	78	78	1.0 0.8 0.0	84.8 -4.8 76.5 76.7 93		1.0 0.575 0.0	73.1 14.7 69.1 70.6 78	1.0 0.8 0.0	1.0 0.592 0.0	73.7 13.6 69.7 71.0 78	1.0 0.8 0.0			
94	79	80	1.0 0.816 0.0	85.4 -5.8 76.4 76.6 94		1.0 0.593 0.0	73.8 13.5 69.7 71.0 79	1.0 0.817 0.0	1.0 0.612 0.0	74.4 12.3 70.3 71.4 80	1.0 0.817 0.0			
95	80	81	1.0 0.833 0.0	86.0 -6.7 76.2 76.5 95		1.0 0.611 0.0	74.4 12.4 70.3 71.4 80	1.0 0.833 0.0	1.0 0.629 0.0	75.2 11.0 71.0 71.9 81	1.0 0.833 0.0			
95	81	82	1.0 0.85 0.0	86.6 -7.6 76.0 76.4 95		1.0 0.627 0.0	75.1 11.2 70.9 71.8 81	1.0 0.85 0.0	1.0 0.642 0.0	76.0 9.7 71.8 72.4 82	1.0 0.85 0.0			
96	82	83	1.0 0.866 0.0	87.3 -8.6 75.8 76.3 96		1.0 0.639 0.0	75.8 10.1 71.6 72.3 82	1.0 0.867 0.0	1.0 0.655 0.0	76.9 8.4 72.5 73.0 83	1.0 0.867 0.0			
97	83	84	1.0 0.883 0.0	87.8 -9.4 76.3 76.9 97		1.0 0.651 0.0	76.6 8.9 72.2 72.8 83	1.0 0.883 0.0	1.0 0.668 0.0	77.7 7.0 73.2 73.5 84	1.0 0.883 0.0			
97	84	85	1.0 0.9 0.0	88.4 -10.3 77.6 78.2 97		1.0 0.662 0.0	77.3 7.7 72.9 73.3 84	1.0 0.9 0.0	1.0 0.681 0.0	78.5 5.6 73.9 74.1 85	1.0 0.9 0.0			
98	85	86	1.0 0.916 0.0	88.9 -11.2 78.8 79.6 98		1.0 0.674 0.0	78.1 6.4 73.5 73.8 85	1.0 0.917 0.0	1.0 0.694 0.0	79.4 4.2 74.5 74.6 86	1.0 0.917 0.0			
98	86	87	1.0 0.933 0.0	89.4 -12.0 80.0 80.9 98		1.0 0.686 0.0	78.8 5.2 74.1 74.3 86	1.0 0.933 0.0	1.0 0.707 0.0	80.2 2.8 75.1 75.2 87	1.0 0.933 0.0			
99	87	88	1.0 0.95 0.0	89.9 -12.9 81.1 82.2 99		1.0 0.697 0.0	79.6 3.9 74.7 74.8 87	1.0 0.95 0.0	1.0 0.72 0.0	81.1 1.4 75.7 75.7 88	1.0 0.95 0.0			
99	88	90	1.0 0.966 0.0	90.5 -13.9 82.3 83.5 99		1.0 0.709 0.0	80.3 2.6 75.2 75.3 88	1.0 0.967 0.0	1.0 0.733 0.0	81.9 0.0 76.3 76.3 90	1.0 0.967 0.0			
100	89	91	1.0 0.983 0.0	91.0 -14.8 83.5 84.8 100		1.0 0.721 0.0	81.1 1.3 75.8 75.8 89	1.0 0.983 0.0	1.0 0.746 0.0	82.7 -1.5 76.8 76.9 91	1.0 0.983 0.0			
100	90	92	1.0 1.0 0.0	91.5 -15.8 84.6 86.1 100	Y <sub>d</sub>	1.0 0.732 0.0	81.8 0.0 76.3 76.3 90	Y <sub>s</sub>	1.0 0.769 0.0	83.7 -3.0 76.8 76.9 92	Y <sub>e</sub>	1.0 1.0 0.0		
100	91	93	0.983 1.0 0.0	91.7 -16.1 85.3 86.8 100		1.0 0.744 0.0	82.6 -1.2 76.7 76.8 91	0.983 1.0 0.0	1.0 0.796 0.0	84.7 -4.6 76.6 76.8 93	0.983 1.0 0.0			
100	92	94	0.966 1.0 0.0	91.9 -16.4 85.9 87.5 100		1.0 0.761 0.0	83.4 -2.6 76.9 77.0 92	0.967 1.0 0.0	1.0 0.823 0.0	85.7 -6.1 76.4 76.6 94	0.967 1.0 0.0			
100	93	95	0.95 1.0 0.0	92.0 -16.7 86.5 88.2 100		1.0 0.785 0.0	84.3 -3.9 76.7 76.8 93	0.95 1.0 0.0	1.0 0.851 0.0	86.7 -7.6 76.1 76.5 95	0.95 1.0 0.0			
101	94	96	0.933 1.0 0.0	92.2 -17.0 87.2 88.8 101		1.0 0.808 0.0	85.1 -5.2 76.5 76.7 94	0.933 1.0 0.0	1.0 0.879 0.0	87.8 -9.2 76.1 76.7 96	0.933 1.0 0.0			
101	95	98	0.916 1.0 0.0	92.4 -17.3 87.8 89.5 101		1.0 0.832 0.0	86.0 -6.6 76.3 76.6 95	0.917 1.0 0.0	1.0 0.918 0.0	89.0 -11.2 78.9 79.7 98	0.917 1.0 0.0			
101	96	99	0.9 1.0 0.0	92.5 -17.6 88.4 90.2 101		1.0 0.855 0.0	86.9 -7.9 76.0 76.4 96	0.9 1.0 0.0	1.0 0.957 0.0	90.2 -13.3 81.7 82.8 99	0.9 1.0 0.0			
101	97	100	0.883 1.0 0.0	92.7 -18.0 89.1 90.9 101		1.0 0.88 0.0	87.8 -9.3 76.2 76.7 97	0.883 1.0 0.0	1.0 0.996 0.0	91.5 -15.5 84.4 85.8 100	0.883 1.0 0.0			
101	98	101	0.866 1.0 0.0	92.6 -18.3 89.2 91.0 101		1.0 0.914 0.0	88.8 -10.9 78.6 79.4 98	0.867 1.0 0.0	0.867 1.0 0.0	92.6 -18.3 89.2 91.1 101	0.867 1.0 0.0			
101	99	102	0.85 1.0 0.0	92.2 -18.8 88.7 90.7 101		1.0 0.947 0.0	89.9 -12.7 81.0 82.0 99	0.85 1.0 0.0	0.808 1.0 0.0	91.4 -19.8 87.6 89.9 102	0.85 1.0 0.0			
102	100	103	0.833 1.0 0.0	91.9 -19.2 88.3 90.3 102		1.0 0.98 0.0	91.0 -14.6 83.3 84.6 100	0.833 1.0 0.0	0.75 1.0 0.0	90.1 -21.3 86.0 88.6 103	0.833 1.0 0.0			
102	101	105	0.816 1.0 0.0	91.5 -19.6 87.8 90.0 102		0.943 1.0 0.0	92.2 -16.8 86.9 88.5 101	0.817 1.0 0.0	0.737 1.0 0.0	89.0 -22.7 84.2 87.2 105	0.817 1.0 0.0			
102	102	106	0.8 1.0 0.0	91.1 -20.1 87.4 89.7 102		0.849 1.0 0.0	92.2 -18.8 88.7 90.7 102	0.8 1.0 0.0	0.724 1.0 0.0	88.0 -24.0 82.3 85.8 106	0.8 1.0 0.0			
103	103	107	0.783 1.0 0.0	90.8 -20.5 86.9 89.3 103		0.798 1.0 0.0	91.2 -20.1 87.4 89.7 103	0.783 1.0 0.0	0.71 1.0 0.0	86.9 -25.2 80.5 84.3 107	0.783 1.0 0.0			
103	104	108	0.766 1.0 0.0	90.4 -20.9 86.5 89.0 103		0.749 1.0 0.0	90.1 -21.3 86.0 88.6 104	0.767 1.0 0.0	0.697 1.0 0.0	85.8 -26.4 78.6 82.9 108	0.767 1.0 0.0			
103	105	109	0.75 1.0 0.0	90.1 -21.3 86.0 88.6 103		0.738 1.0 0.0	89.2 -22.5 84.4 87.4 105	0.75 1.0 0.0	0.684 1.0 0.0	84.7 -27.5 76.7 81.5 109	0.75 1.0 0.0			
105	106	110	0.733 1.0 0.0	88.7 -23.1 83.7 86.8 105		0.727 1.0 0.0	88.2 -23.6 82.8 86.1 106	0.733 1.0 0.0	0.671 1.0 0.0	83.7 -28.5 74.8 80.0 110	0.733 1.0 0.0			
106	107	112	0.716 1.0 0.0	87.3 -24.7 81.3 85.0 106		0.716 1.0 0.0	87.3 -24.7 81.2 84.9 107	0.717 1.0 0.0	0.658 1.0 0.0	82.6 -29.5 72.8 78.6 112	0.717 1.0 0.0			
108	108	113	0.7 1.0 0.0	86.0 -26.2 78.9 83.2 108		0.704 1.0 0.0	86.4 -25.8 79.6 83.7 108	0.7 1.0 0.0	0.645 1.0 0.0	81.5 -30.4 70.9 77.2 113	0.7 1.0 0.0			
109	109	114	0.683 1.0 0.0	84.6 -27.6 76.5 81.3 109		0.693 1.0 0.0	85.5 -26.7 78.0 82.5 109	0.683 1.0 0.0	0.632 1.0 0.0	80.4 -31.3 69.0 75.7 114	0.683 1.0 0.0			
111	110	115	0.666 1.0 0.0	83.3 -28.9 74.1 79.5 111		0.682 1.0 0.0	84.5 -27.7 76.3 81.2 110	0.667 1.0 0.0	0.619 1.0 0.0	79.5 -32.2 67.4 74.7 115	0.667 1.0 0.0			
112	111	116	0.65 1.0 0.0	81.9 -30.1 71.6 77.7 112		0.67 1.0 0.0	83.6 -28.6 74.7 80.0 111	0.65 1.0 0.0	0.607 1.0 0.0	78.6 -33.3 66.2 74.2 116	0.65 1.0 0.0			
114	112	117	0.633 1.0 0.0	80.5 -31.2 69.2 75.9 114		0.659 1.0 0.0	82.7 -29.4 73.0 78.8 112	0.633 1.0 0.0	0.595 1.0 0.0	77.8 -34.4 65.0 73.6 117	0.633 1.0 0.0			
115	113	119	0.616 1.0 0.0	79.3 -32.5 67.1 74.6 115		0.648 1.0 0.0	81.8 -30.2 71.4 77.5 113	0.617 1.0 0.0	0.584 1.0 0.0	77.0 -35.4 63.8 73.0 119	0.617 1.0 0.0			
117	114	120	0.6 1.0 0.0	78.1 -34.0 65.4 73.8 117		0.637 1.0 0.0	80.9 -30.9 69.7 76.3 114	0.6 1.0 0.0	0.572 1.0 0.0	76.1 -36.4 62.5 72.4 120	0.6 1.0 0.0			
119	115	121	0.583 1.0 0.0	76.9 -35.5 63.7 72.9 119		0.625 1.0 0.0	79.9 -31.6 68.0 75.1 115	0.583 1.0 0.0	0.56 1.0 0.0	75.3 -37.4 61.3 71.8 121	0.583 1.0 0.0			
120	116	122	0.566 1.0 0.0	75.7 -36.9 62.0 72.1 120		0.615 1.0 0.0	79.2 -32.6 67.0 74.5 116	0.567 1.0 0.0	0.548 1.0 0.0	74.4 -38.3 60.0 71.3 122	0.567 1.0 0.0			
122	117	123	0.55 1.0 0.0	74.5 -38.2 60.2 71.3 122		0.605 1.0 0.0	78.5 -33.5 66.0 74.1 117	0.55 1.0 0.0	0.536 1.0 0.0	73.6 -39.2 58.8 70.7 123	0.55 1.0 0.0			
124	118	124	0.533 1.0 0.0	73.3 -39.4 58.4 70.5 124		0.595 1.0 0.0	77.8 -34.4 64.9 73.6 118	0.533 1.0 0.0	0.524 1.0 0.0	72.7 -40.0 57.5 70.1 124	0.533 1.0 0.0			
125	119	126	0.516 1.0 0.0	72.1 -40.6 56.6 69.7 125		0.585 1.0 0.0	77.0 -35.3 63.9 73.1 119	0.517 1.0 0.0	0.512 1.0 0.0	71.9 -40.9 56.2 69.5 126	0.517 1.0 0.0			
127	120	127	0.5 1.0 0.0	70.9 -41.7 54.8 68.9 127		0.574 1.0 0.0	76.3 -36.2 62.8 72.6 120	0.5 1.0 0.0	0.501 1.0 0.0	71.0 -41.6 54.9 68.9 127	0.5 1.0 0.0			



vea archivos semejantes: <http://130.149.60.45/~farbmetrik/QS49/QS49L0FP.PDF> / .PS  
 información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

TUB matrícula: 20130201-QS49/QS49L0FP.PDF /.PS  
 aplicación para la medida salida de impresora láser, separación cmy<sup>6</sup>\* (CMYK)  
 TUB material: code=rh4ta

Data of Maximum color M in colorimetric system Laser printer output; separation cmy<sup>6</sup>\*, D65 for input or output; Six hue angles of the 60 degree standard colours RY<sup>6</sup>CBM<sub>s</sub>: h<sub>ab,ds</sub> = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;

Six hue angles of the device colours RY<sup>6</sup>CBM<sub>d</sub>: h<sub>ab,d</sub> = 33.5, 100.6, 155.5, 235.2, 290.8, 348.9; Six hue angles of the elementary colours RY<sup>6</sup>CBM<sub>e</sub>: h<sub>ab,e</sub> = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

h <sub>ab,d</sub>	h <sub>ab,s</sub>	h <sub>ab,e</sub>	rgb* <sub>dd361M</sub>	LAB* <sub>dd361Mi (x=LabCh)</sub>	rgb* <sub>ds361Mi</sub>	LAB* <sub>ds361Mi (x=LabCh)</sub>	rgb* <sub>dd361Mi</sub>	LAB* <sub>de361Mi</sub>	rgb* <sub>dex361Mi (x=LabCh)</sub>	rgb* <sub>dd361Mi</sub>	LAB* <sub>de361Mi (x=LabCh)</sub>	rgb* <sub>dd361Mi</sub>	rgb* <sub>dd</sub>	rgb* <sub>ds</sub>	rgb* <sub>de</sub>	
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	0.416	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	0.366	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	0.316	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	0.266	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	0.216	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	0.166	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	0.116	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	0.066	1.0	0.0			
153	147	158	0.049	1.0	0.0	55.4	-65.5	32.3	73.0	153	0.049	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	0.016	1.0	0.0			
155	150	162	0.0	1.0	0.0	54.3	-67.6	30.8	74.3	155	0.0	1.0	0.0			
156	151	163	0.0	1.0	0.016	54.2	-67.5	29.7	73.8	156	0.0	1.0	0.017			
156	152	164	0.0	1.0	0.033	54.2	-67.4	28.6	73.2	156	0.0	1.0	0.033			
157	153	164	0.0	1.0	0.05	54.1	-67.2	27.6	72.7	157	0.0	1.0	0.05			
158	154	165	0.0	1.0	0.066	54.0	-67.1	26.6	72.1	158	0.0	1.0	0.067			
159	155	166	0.0	1.0	0.083	53.9	-66.9	25.5	71.6	159	0.0	1.0	0.083			
159	156	167	0.0	1.0	0.1	53.9	-66.7	24.5	71.1	159	0.0	1.0	0.1			
160	157	168	0.0	1.0	0.116	53.8	-66.5	23.5	70.5	160	0.0	1.0	0.117			
161	158	169	0.0	1.0	0.133	53.8	-66.2	22.3	69.9	161	0.0	1.0	0.133			
162	159	170	0.0	1.0	0.15	53.8	-65.8	20.8	69.1	162	0.0	1.0	0.15			
163	160	171	0.0	1.0	0.166	53.8	-65.5	19.4	68.3	163	0.0	1.0	0.167			
164	161	172	0.0	1.0	0.183	53.8	-65.0	18.1	67.5	164	0.0	1.0	0.183			
165	162	173	0.0	1.0	0.2	53.8	-64.6	16.7	66.7	165	0.0	1.0	0.2			
166	163	174	0.0	1.0	0.216	53.7	-64.1	15.4	66.0	166	0.0	1.0	0.217			
167	164	175	0.0	1.0	0.233	53.7	-63.6	14.1	65.2	167	0.0	1.0	0.233			
168	165	175	0.0	1.0	0.25	53.7	-63.1	12.8	64.4	168	0.0	1.0	0.25			

2-1031130-L0 QS490-72 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 cmy<sup>6</sup>\*, D65, página 12/33

gráfico TUB-QS49; código de tono: H\*<sub>d</sub>=Y25G<sub>d</sub>  
 círculo de tono, 48 pasos; rgb-LabCh\*mesas

entrada: rgb/cmyk -> rgb<sub>dd</sub>  
 salida: 3D-linealización a cmyk\*<sub>dd</sub>

vea archivos semejantes: <http://130.149.60.45/~farbmetrik/QS49/QS49L0FP.PDF> / .PS  
 información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

TUB matrícula: 20130201-QS49/QS49L0FP.PDF /.PS  
 aplicación para la medida salida de impresora láser, separación cmy<sup>6</sup>\* (CMYK)  
 TUB material: code=rh4ta



Data of Maximum color M in colorimetric system Laser printer output; separation cmy<sub>6</sub>\*, D65 for input or output; Six hue angles of the 60 degree standard colours RY<sub>6</sub>CB<sub>6</sub>; h<sub>ab,ds</sub> = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;  
 Six hue angles of the device colours RY<sub>6</sub>CB<sub>6</sub>; h<sub>ab,d</sub> = 33.5, 100.6, 155.5, 235.2, 290.8, 348.9; Six hue angles of the elementary colours RY<sub>6</sub>CB<sub>6</sub>; h<sub>ab,e</sub> = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

h <sub>ab,d</sub>	h <sub>ab,s</sub>	h <sub>ab,e</sub>	rgb <sup>*</sup> <sub>dd361M</sub>	LAB <sup>*</sup> <sub>dd361Mi (x=LabCh)</sub>	rgb <sup>*</sup> <sub>ds361Mi</sub>	LAB <sup>*</sup> <sub>ds361Mi (x=LabCh)</sub>	rgb <sup>*</sup> <sub>dd361Mi</sub>	LAB <sup>*</sup> <sub>dc361Mi</sub>	LAB <sup>*</sup> <sub>dex361Mi (x=LabCh)</sub>	rgb <sup>*</sup> <sub>dd361Mi</sub>	rgb <sup>*</sup> <sub>dd361Mi</sub>	rgb <sup>*</sup> <sub>ds</sub>	rgb <sup>*</sup> <sub>ds</sub>	rgb <sup>*</sup> <sub>ds</sub>
168	165	175	0.0	1.0	0.25	53.7	-63.1	12.8	64.4	168	0.0	1.0	0.25	
170	166	176	0.0	1.0	0.266	53.9	-62.4	10.9	63.4	170	0.0	1.0	0.267	
171	167	177	0.0	1.0	0.283	54.0	-61.7	9.1	62.4	171	0.0	1.0	0.283	
173	168	178	0.0	1.0	0.3	54.1	-60.9	7.3	61.3	173	0.0	1.0	0.3	
174	169	179	0.0	1.0	0.316	54.3	-60.1	5.6	60.3	174	0.0	1.0	0.317	
176	170	180	0.0	1.0	0.333	54.4	-59.2	3.9	59.3	176	0.0	1.0	0.333	
177	171	181	0.0	1.0	0.35	54.5	-58.2	2.3	58.3	177	0.0	1.0	0.35	
179	172	182	0.0	1.0	0.366	54.7	-57.3	0.8	57.3	179	0.0	1.0	0.367	
180	173	183	0.0	1.0	0.383	54.7	-56.5	-0.6	56.5	180	0.0	1.0	0.383	
181	174	184	0.0	1.0	0.4	54.8	-55.8	-1.8	55.9	181	0.0	1.0	0.4	
183	175	185	0.0	1.0	0.416	54.8	-55.2	-3.1	55.2	183	0.0	1.0	0.417	
184	176	185	0.0	1.0	0.433	54.8	-54.5	-4.3	54.6	184	0.0	1.0	0.433	
185	177	186	0.0	1.0	0.45	54.9	-53.7	-5.5	54.0	185	0.0	1.0	0.45	
187	178	187	0.0	1.0	0.466	54.9	-53.0	-6.6	53.4	187	0.0	1.0	0.467	
188	179	188	0.0	1.0	0.483	55.0	-52.2	-7.8	52.8	188	0.0	1.0	0.483	
189	180	189	0.0	1.0	0.5	55.0	-51.4	-8.9	52.2	189	0.0	1.0	0.5	
191	181	190	0.0	1.0	0.516	55.0	-50.6	-10.5	51.7	191	0.0	1.0	0.517	
193	182	191	0.0	1.0	0.533	55.1	-49.7	-12.1	51.2	193	0.0	1.0	0.533	
195	183	192	0.0	1.0	0.55	55.1	-48.8	-13.7	50.7	195	0.0	1.0	0.55	
197	184	193	0.0	1.0	0.566	55.2	-47.8	-15.2	50.2	197	0.0	1.0	0.567	
199	185	194	0.0	1.0	0.583	55.2	-46.8	-16.6	49.7	199	0.0	1.0	0.583	
201	186	195	0.0	1.0	0.6	55.2	-45.8	-18.0	49.2	201	0.0	1.0	0.6	
203	187	195	0.0	1.0	0.616	55.3	-44.7	-19.4	48.7	203	0.0	1.0	0.617	
205	188	196	0.0	1.0	0.633	55.3	-43.8	-20.5	48.4	205	0.0	1.0	0.633	
206	189	197	0.0	1.0	0.65	55.3	-43.3	-21.5	48.3	206	0.0	1.0	0.65	
207	190	198	0.0	1.0	0.666	55.3	-42.7	-22.5	48.3	207	0.0	1.0	0.667	
209	191	199	0.0	1.0	0.683	55.2	-42.1	-23.4	48.2	209	0.0	1.0	0.683	
210	192	200	0.0	1.0	0.7	55.2	-41.5	-24.4	48.1	210	0.0	1.0	0.7	
211	193	201	0.0	1.0	0.716	55.2	-40.8	-25.3	48.0	211	0.0	1.0	0.717	
213	194	202	0.0	1.0	0.733	55.2	-40.2	-26.2	48.0	213	0.0	1.0	0.733	
214	195	203	0.0	1.0	0.75	55.2	-39.5	-27.1	47.9	214	0.0	1.0	0.75	
215	196	204	0.0	1.0	0.766	55.1	-39.2	-27.9	48.1	215	0.0	1.0	0.767	
216	197	205	0.0	1.0	0.783	55.0	-38.8	-28.7	48.3	216	0.0	1.0	0.783	
217	198	206	0.0	1.0	0.8	54.9	-38.5	-29.5	48.5	217	0.0	1.0	0.8	
218	199	206	0.0	1.0	0.816	54.8	-38.1	-30.3	48.7	218	0.0	1.0	0.817	
219	200	207	0.0	1.0	0.833	54.7	-37.7	-31.1	48.9	219	0.0	1.0	0.833	
220	201	208	0.0	1.0	0.85	54.6	-37.3	-31.9	49.1	220	0.0	1.0	0.85	
221	202	209	0.0	1.0	0.866	54.5	-36.9	-32.6	49.3	221	0.0	1.0	0.867	
222	203	210	0.0	1.0	0.883	54.3	-36.4	-33.7	49.6	222	0.0	1.0	0.883	
224	204	211	0.0	1.0	0.9	54.2	-35.6	-35.1	50.0	224	0.0	1.0	0.9	
226	205	212	0.0	1.0	0.916	54.0	-34.8	-36.5	50.4	226	0.0	1.0	0.917	
228	206	213	0.0	1.0	0.933	53.8	-33.9	-37.8	50.8	228	0.0	1.0	0.933	
229	207	214	0.0	1.0	0.95	53.6	-33.0	-39.2	51.2	229	0.0	1.0	0.95	
231	208	215	0.0	1.0	0.966	53.4	-32.0	-40.5	51.7	231	0.0	1.0	0.967	
233	209	216	0.0	1.0	0.983	53.3	-31.0	-41.8	52.1	233	0.0	1.0	0.983	
235	210	216	0.0	1.0	1.0	53.1	-30.0	-43.1	52.5	235	0.0	1.0	1.0	

2-1031230-L0 QS490-72 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 cmy<sub>6</sub>\*, D65, página 13/33

gráfico TUB-QS49; código de tono: H\*<sub>d</sub>=Y25G<sub>d</sub>  
 círculo de tono, 48 pasos; rgb-LabCh\*mesas

entrada: rgb/cmyk -> rgb<sub>dd</sub>  
 salida: 3D-linealización a cmyk\*<sub>dd</sub>

vea archivos semejantes: <http://130.149.60.45/~farbmetrik/QS49/QS49L0FP.PDF> / .PS  
 información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

TUB matrícula: 20130201-QS49/QS49L0FP.PDF / .PS  
 aplicación para la medida salida de impresora láser, separación cmy<sub>6</sub>\* (CMYK)  
 TUB material: code=rh4ta



Data of Maximum color M in colorimetric system Laser printer output; separation cmy<sup>6</sup>\*, D65 for input or output; Six hue angles of the 60 degree standard colours RY<sup>6</sup>CBM<sub>s</sub>: h<sub>ab,ds</sub> = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;  
 Six hue angles of the device colours RY<sup>6</sup>CBM<sub>d</sub>: h<sub>ab,d</sub> = 33.5, 100.6, 155.5, 235.2, 290.8, 348.9; Six hue angles of the elementary colours RY<sup>6</sup>CBM<sub>e</sub>: h<sub>ab,e</sub> = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

h <sub>ab,d</sub>	h <sub>ab,s</sub>	h <sub>ab,e</sub>	rgb <sup>*</sup> dd361M	LAB <sup>*</sup> ddx361Mi (x=LabCh)	rgb <sup>*</sup> ds361Mi	LAB <sup>*</sup> dsx361Mi (x=LabCh)	rgb <sup>*</sup> dd361Mi	rgb <sup>*</sup> de361Mi	LAB <sup>*</sup> dex361Mi (x=LabCh)	rgb <sup>*</sup> dd361Mi	rgb <sup>*</sup> ds361Mi	rgb <sup>*</sup> 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	258	0.0	0.25	1.0	
273	256	258	0.0	0.233 1.0	36.6	3.2	-48.3	48.4	273	0.0	0.482	1.0	45.5	-12.2	-49.4	51.0	256	0.0	0.233	1.0	0.0	0.435	1.0	43.7	-9.5	-49.4	50.4	258	0.0	0.233	1.0	
274	257	259	0.0	0.216 1.0	36.4	4.1	-48.0	48.2	274	0.0	0.466	1.0	44.9	-11.3	-49.4	50.8	257	0.0	0.217	1.0	0.0	0.42	1.0	43.1	-8.7	-49.3	50.2	259	0.0	0.217	1.0	
276	258	260	0.0	0.2 1.0	36.1	5.1	-47.8	48.1	276	0.0	0.45	1.0	44.3	-10.4	-49.4	50.6	258	0.0	0.2	1.0	0.0	0.405	1.0	42.6	-7.9	-49.3	50.0	260	0.0	0.2	1.0	
277	259	261	0.0	0.183 1.0	35.9	6.1	-47.5	47.9	277	0.0	0.438	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	261	0.0	0.183	1.0	
278	260	262	0.0	0.166 1.0	35.6	7.0	-47.2	47.7	278	0.0	0.414	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	262	0.0	0.167	1.0	
279	261	263	0.0	0.15 1.0	35.4	8.0	-46.9	47.5	279	0.0	0.402	1.0	42.4	-7.7	-49.3	50.0	261	0.0	0.15	1.0	0.0	0.364	1.0	41.0	-5.5	-49.2	49.6	263	0.0	0.15	1.0	
280	262	264	0.0	0.133 1.0	35.2	8.9	-46.5	47.4	280	0.0	0.386	1.0	41.8	-6.8	-49.2	49.8	262	0.0	0.133	1.0	0.0	0.353	1.0	40.6	-4.7	-49.2	49.5	264	0.0	0.133	1.0	
282	263	265	0.0	0.116 1.0	34.9	9.9	-46.3	47.3	282	0.0	0.371	1.0	41.3	-6.0	-49.2	49.7	263	0.0	0.117	1.0	0.0	0.341	1.0	40.2	-3.9	-49.1	49.4	265	0.0	0.117	1.0	
283	264	266	0.0	0.1 1.0	34.5	10.9	-46.1	47.4	283	0.0	0.358	1.0	40.8	-5.1	-49.2	49.5	264	0.0	0.1	1.0	0.0	0.33	1.0	39.8	-3.1	-49.1	49.3	266	0.0	0.1	1.0	
284	265	267	0.0	0.083 1.0	34.2	11.9	-45.9	47.4	284	0.0	0.346	1.0	40.4	-4.2	-49.2	49.4	265	0.0	0.083	1.0	0.0	0.318	1.0	39.4	-2.3	-49.0	49.2	267	0.0	0.083	1.0	
285	266	268	0.0	0.066 1.0	33.9	12.9	-45.7	47.5	285	0.0	0.333	1.0	39.9	-3.3	-49.1	49.3	266	0.0	0.067	1.0	0.0	0.307	1.0	39.0	-1.5	-49.0	49.1	268	0.0	0.067	1.0	
287	267	269	0.0	0.049 1.0	33.5	13.9	-45.4	47.5	287	0.0	0.321	1.0	39.5	-2.5	-49.1	49.2	267	0.0	0.05	1.0	0.0	0.296	1.0	38.5	-0.8	-48.9	49.0	269	0.0	0.05	1.0	
288	268	269	0.0	0.033 1.0	33.2	14.9	-45.2	47.6	288	0.0	0.308	1.0	39.0	-1.6	-49.0	49.1	268	0.0	0.033	1.0	0.0	0.284	1.0	38.1	0.0	-48.8	48.9	269	0.0	0.033	1.0	
289	269	270	0.0	0.016 1.0	32.9	15.9	-44.9	47.6	289	0.0	0.296	1.0	38.5	-0.8	-48.9	49.0	269	0.0	0.017	1.0	0.0	0.273	1.0	37.7	0.7	-48.7	48.8	270	0.0	0.017	1.0	
290	270	271	0.0	0.0 1.0	32.5	16.9	-44.6	47.7	290	B <sub>d</sub>	0.0	0.283	1.0	38.1	0.0	-48.8	48.9	270	B <sub>s</sub>	0.0	0.0 1.0	0.0	0.261	1.0	37.3	1.5	-48.6	48.7	271	B <sub>e</sub>	0.0	0.0 1.0
291	271	272	0.016	0.0 1.0	32.4	17.8	-44.3	47.8	291	0.0	0.27	1.0	37.6	0.9	-48.7	48.8	271	0.0	0.017	0.0 1.0	0.0	0.249	1.0	36.9	2.3	-48.5	48.6	272	0.017	0.0 1.0		
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	273	0.033	0.0 1.0			
294	273	274	0.05	0.0 1.0	32.1	19.6	-43.7	47.9	294	0.0	0.245	1.0	36.8	2.5	-48.4	48.6	273	0.05	0.0 1.0	0.0	0.222	1.0	36.5	3.9	-48.1	48.3	274	0.05	0.0 1.0			
295	274	275	0.066	0.0 1.0	32.0	20.5	-43.4	48.0	295	0.0	0.231	1.0	36.6	3.4	-48.2	48.4	274	0.067	0.0 1.0	0.0	0.209	1.0	36.3	4.6	-47.9	48.2	275	0.067	0.0 1.0			
296	275	276	0.083	0.0 1.0	31.9	21.4	-43.1	48.1	296	0.0	0.217	1.0	36.4	4.2	-48.0	48.3	275	0.083	0.0 1.0	0.0	0.196	1.0	36.1	5.4	-47.7	48.1	276	0.083	0.0 1.0			
297	276	277	0.1	0.0 1.0	31.8	22.3	-42.7	48.2	297	0.0	0.202	1.0	36.2	5.0	-47.8	48.1	276	0.1	0.0 1.0	0.0	0.182	1.0	35.9	6.2	-47.4	47.9	277	0.1	0.0 1.0			
298	277	278	0.116	0.0 1.0	31.6	23.1	-42.4	48.3	298	0.0	0.188	1.0	36.0	5.8	-47.5	48.0	277	0.117	0.0 1.0	0.0	0.169	1.0	35.7	7.0	-47.2	47.8	278	0.117	0.0 1.0			
299	278	279	0.133	0.0 1.0	31.5	24.1	-42.0	48.4	299	0.0	0.174	1.0	35.8	6.7	-47.3	47.8	278	0.133	0.0 1.0	0.0	0.155	1.0	35.5	7.7	-46.9	47.6	279	0.133	0.0 1.0			
300	279	280	0.15	0.0 1.0	31.4	25.0	-41.7	48.6	300	0.0	0.16	1.0	35.6	7.5	-47.0	47.7	279	0.15	0.0 1.0	0.0	0.142	1.0	35.3	8.5	-46.6	47.5	280	0.15	0.0 1.0			
302	280	281	0.166	0.0 1.0	31.4	25.9	-41.4	48.8	302	0.0	0.146	1.0	35.4	8.3	-46.7	47.5	280	0.167	0.0 1.0	0.0	0.129	1.0	35.1	9.2	-46.4	47.4	281	0.167	0.0 1.0			
303	281	282	0.183	0.0 1.0	31.3	26.8	-41.0	49.0	303	0.0	0.132	1.0	35.2	9.0	-46.4	47.4	281	0.183	0.0 1.0	0.0	0.116	1.0	34.9	10.0	-46.2	47.4	282	0.183	0.0 1.0			
304	282	283	0.2	0.0 1.0	31.2	27.8	-40.6	49.2	304	0.0	0.118	1.0	34.9	9.8	-46.2	47.4	282	0.2	0.0 1.0	0.0	0.103	1.0	34.6	10.8	-46.1	47.4	283	0.2	0.0 1.0			
305	283	284	0.216	0.0 1.0	31.1	28.7	-40.2	49.4	305	0.0	0.104	1.0	34.7	10.7	-46.1	47.4	283	0.217	0.0 1.0	0.0	0.09	1.0	34.4	11.5	-45.9	47.4	284	0.217	0.0 1.0			
306	284	285	0.233	0.0 1.0	31.1	29.6	-39.8	49.6	306	0.0	0.091	1.0	34.4	11.5	-45.9	47.4	284	0.233	0.0 1.0	0.0	0.078	1.0	34.1	12.3	-45.8	47.5	285	0.233	0.0 1.0			
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	285	0.25	0.0 1.0			
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	286	0.267	0.0 1.0			
310	287	287	0.283	0.0 1.0	31.8	32.6	-38.3	50.3	310	0.0	0.051	1.0	33.6	13.9	-45.4	47.6	287	0.283	0.0 1.0	0.0	0.04	1.0	33.4	14.6	-45.2	47.6	287	0.283	0.0 1.0			
311	288	288	0.3	0.0 1.0	32.3	33.6	-37.8	50.6	311	0.0	0.038	1.0	33.3	14.7	-45.2	47.6	288	0.3	0.0 1.0	0.0	0.027	1.0	33.1	15.4	-45.0	47.6	288	0.3	0.0 1.0			
312	289	289	0.316	0.0 1.0	32.7	34.7	-37.2	50.9	312	0.0	0.024	1.0	33.1	15.5	-44.9	47.6	289	0.317	0.0 1.0	0.0	0.014	1.0	32.9	16.1	-44.8	47.7	289	0.317	0.0 1.0			
314	290	290	0.333	0.0 1.0	33.1	35.7	-36.6	51.2	314	0.0	0.011	1.0	32.8	16.3	-44.7	47.7	290	0.333	0.0 1.0	0.0	0.001	1.0	32.6	16.9	-44.5	47.7	290	0.333	0.0 1.0			
315	291	291	0.35	0.0 1.0	33.6	36.7	-36.0	51.4	315	0.003	0.0 1.0	32.5	17.1	-44.5	47.7	291	0.35	0.0 1.0	0.0	0.012	0.0 1.0	32.5	17.6	-44.3	47.8	291	0.35	0.0 1.0				
316	292	292	0.366	0.0 1.0	34.0	37.7	-35.3	51.7	316	0.018	0.0 1.0	32.4	17.9	-44.2	47.8	292	0.367	0.0 1.0	0.0	0.026	0.0 1.0	32.4	18.4	-44.1	47.9	292	0.367	0.0 1.0				
317	293	293	0.383	0.0 1.0	34.4	38.5	-34.7	51.9	317	0.033	0.0 1.0	32.3	18.7	-44.0	47.9	293	0.383	0.0 1.0	0.0	0.041	0.0 1.0	32.3	19.1	-43.9	47.9	293	0.383	0.0 1.0				
318	294	294	0.4	0.0 1.0	34.8	39.2	-34.2	52.1	318	0.047	0.0 1.0	32.2	19.5	-43.7	48.0	294	0.4	0.0 1.0	0.0	0.055	0.0 1.0	32.1	19.9	-43.6	48.0	294	0.4	0.0 1.0				
319	295	295	0.416	0.0 1.0	35.2	39.9	-33.7	52.2	319	0.062	0.0 1.0	32.1	20.3	-43.5	48.1	295	0.417	0.0 1.0	0.0	0.069	0.0 1.0	32.0	20.7	-43.3	48.1	295	0.417	0.0 1.0				
320	296	296	0.433	0.0 1.0	35.6	40.5	-33.1	52.4	320	0.077	0.0 1.0	32.0	21.1	-43.2	48.1	296	0.433	0.0 1.0	0.0	0.083	0.0 1.0	31.9										



Data of Maximum color M in colorimetric system Laser printer output; separation cmy<sup>6</sup>\*, D65 for input or output; Six hue angles of the 60 degree standard colours RY<sup>6</sup>CBM<sub>s</sub>: h<sub>ab,ds</sub> = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;  
 Six hue angles of the device colours RY<sup>6</sup>CBM<sub>d</sub>: h<sub>ab,d</sub> = 33.5, 100.6, 155.5, 235.2, 290.8, 348.9; Six hue angles of the elementary colours RY<sup>6</sup>CBM<sub>e</sub>: h<sub>ab,e</sub> = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

h <sub>ab,d</sub>	h <sub>ab,s</sub>	h <sub>ab,e</sub>	rgb <sup>6</sup> *_dd361M	LAB <sup>6</sup> *_d361Mi (x=LabCh)	rgb <sup>6</sup> *_ds361Mi	LAB <sup>6</sup> *_dsx361Mi (x=LabCh)	rgb <sup>6</sup> *_dd361Mi	rgb <sup>6</sup> *_dc361Mi	LAB <sup>6</sup> *_dex361Mi (x=LabCh)	rgb <sup>6</sup> *_dd361Mi	rgb <sup>6</sup> *_ds361Mi	rgb <sup>6</sup> *_de361Mi																				
324	300	300	0.5	0.0	1.0	37.2	43.1	-30.8	53.0	324	0.136	0.0	1.0	31.6	24.3	-41.9	48.5	300	0.5	0.0	1.0	0.139	0.0	1.0	31.5	24.4	-41.9	48.6	300	0.5	0.0	1.0
325	301	301	0.516	0.0	1.0	37.4	43.8	-30.4	53.4	325	0.151	0.0	1.0	31.5	25.1	-41.6	48.7	301	0.517	0.0	1.0	0.153	0.0	1.0	31.5	25.2	-41.6	48.7	301	0.517	0.0	1.0
326	302	302	0.533	0.0	1.0	37.7	44.5	-29.9	53.7	326	0.165	0.0	1.0	31.4	25.9	-41.3	48.9	302	0.533	0.0	1.0	0.166	0.0	1.0	31.4	26.0	-41.3	48.9	302	0.533	0.0	1.0
326	303	303	0.55	0.0	1.0	37.9	45.3	-29.5	54.0	326	0.18	0.0	1.0	31.4	26.7	-41.0	49.0	303	0.55	0.0	1.0	0.18	0.0	1.0	31.4	26.7	-41.0	49.0	303	0.55	0.0	1.0
327	304	303	0.566	0.0	1.0	38.2	46.0	-29.0	54.4	327	0.194	0.0	1.0	31.3	27.5	-40.7	49.2	304	0.567	0.0	1.0	0.194	0.0	1.0	31.3	27.5	-40.7	49.2	303	0.567	0.0	1.0
328	305	304	0.583	0.0	1.0	38.4	46.7	-28.5	54.7	328	0.209	0.0	1.0	31.2	28.3	-40.3	49.4	305	0.583	0.0	1.0	0.208	0.0	1.0	31.2	28.3	-40.4	49.4	304	0.583	0.0	1.0
329	306	305	0.6	0.0	1.0	38.7	47.4	-28.0	55.1	329	0.224	0.0	1.0	31.1	29.1	-40.0	49.5	306	0.6	0.0	1.0	0.222	0.0	1.0	31.2	29.0	-40.0	49.5	305	0.6	0.0	1.0
330	307	306	0.616	0.0	1.0	38.9	48.1	-27.5	55.4	330	0.238	0.0	1.0	31.1	29.9	-39.6	49.7	307	0.617	0.0	1.0	0.235	0.0	1.0	31.1	29.8	-39.7	49.7	306	0.617	0.0	1.0
331	308	307	0.633	0.0	1.0	39.2	48.9	-26.9	55.8	331	0.252	0.0	1.0	31.1	30.7	-39.2	49.9	308	0.633	0.0	1.0	0.249	0.0	1.0	31.0	30.5	-39.3	49.8	307	0.633	0.0	1.0
332	309	308	0.65	0.0	1.0	39.6	49.8	-26.2	56.3	332	0.265	0.0	1.0	31.4	31.5	-38.8	50.1	309	0.65	0.0	1.0	0.261	0.0	1.0	31.3	31.3	-39.0	50.0	308	0.65	0.0	1.0
333	310	309	0.666	0.0	1.0	40.0	50.7	-25.4	56.8	333	0.278	0.0	1.0	31.8	32.3	-38.4	50.3	310	0.667	0.0	1.0	0.274	0.0	1.0	31.6	32.1	-38.6	50.2	309	0.667	0.0	1.0
334	311	310	0.683	0.0	1.0	40.4	51.6	-24.7	57.2	334	0.291	0.0	1.0	32.1	33.1	-38.0	50.5	311	0.683	0.0	1.0	0.286	0.0	1.0	32.0	32.8	-38.2	50.4	310	0.683	0.0	1.0
335	312	311	0.7	0.0	1.0	40.7	52.5	-23.9	57.7	335	0.304	0.0	1.0	32.4	33.9	-37.6	50.7	312	0.7	0.0	1.0	0.298	0.0	1.0	32.3	33.6	-37.8	50.6	311	0.7	0.0	1.0
336	313	312	0.716	0.0	1.0	41.1	53.4	-23.1	58.2	336	0.317	0.0	1.0	32.8	34.7	-37.2	50.9	313	0.717	0.0	1.0	0.31	0.0	1.0	32.6	34.3	-37.4	50.8	312	0.717	0.0	1.0
337	314	313	0.733	0.0	1.0	41.5	54.3	-22.3	58.7	337	0.33	0.0	1.0	33.1	35.5	-36.7	51.1	314	0.733	0.0	1.0	0.323	0.0	1.0	32.9	35.1	-37.0	51.0	313	0.733	0.0	1.0
338	315	314	0.75	0.0	1.0	41.8	55.1	-21.4	59.1	338	0.343	0.0	1.0	33.4	36.3	-36.2	51.4	315	0.75	0.0	1.0	0.335	0.0	1.0	33.2	35.8	-36.5	51.2	314	0.75	0.0	1.0
339	316	315	0.766	0.0	1.0	42.4	55.8	-20.9	59.6	339	0.356	0.0	1.0	33.8	37.1	-35.7	51.6	316	0.767	0.0	1.0	0.347	0.0	1.0	33.5	36.6	-36.0	51.4	315	0.767	0.0	1.0
340	317	316	0.783	0.0	1.0	42.9	56.5	-20.4	60.1	340	0.368	0.0	1.0	34.1	37.9	-35.2	51.8	317	0.783	0.0	1.0	0.359	0.0	1.0	33.9	37.3	-35.6	51.6	316	0.783	0.0	1.0
340	318	317	0.8	0.0	1.0	43.4	57.2	-19.8	60.5	340	0.384	0.0	1.0	34.5	38.6	-34.7	52.0	318	0.8	0.0	1.0	0.371	0.0	1.0	34.2	38.0	-35.1	51.8	317	0.8	0.0	1.0
341	319	318	0.816	0.0	1.0	43.9	57.8	-19.3	61.0	341	0.402	0.0	1.0	34.9	39.3	-34.1	52.1	319	0.817	0.0	1.0	0.387	0.0	1.0	34.6	38.8	-34.6	52.0	318	0.817	0.0	1.0
342	320	319	0.833	0.0	1.0	44.4	58.5	-18.7	61.4	342	0.42	0.0	1.0	35.3	40.1	-33.5	52.3	320	0.833	0.0	1.0	0.404	0.0	1.0	35.0	39.4	-34.0	52.2	319	0.833	0.0	1.0
342	321	320	0.85	0.0	1.0	44.9	59.1	-18.2	61.9	342	0.438	0.0	1.0	35.8	40.8	-32.9	52.5	321	0.85	0.0	1.0	0.421	0.0	1.0	35.4	40.1	-33.5	52.3	320	0.85	0.0	1.0
343	322	321	0.866	0.0	1.0	45.4	59.8	-17.6	62.3	343	0.456	0.0	1.0	36.2	41.5	-32.3	52.7	322	0.867	0.0	1.0	0.439	0.0	1.0	35.8	40.8	-32.9	52.5	321	0.867	0.0	1.0
344	323	321	0.883	0.0	1.0	45.8	60.5	-17.0	62.8	344	0.474	0.0	1.0	36.6	42.2	-31.7	52.8	323	0.883	0.0	1.0	0.456	0.0	1.0	36.2	41.5	-32.3	52.6	321	0.883	0.0	1.0
344	324	322	0.9	0.0	1.0	46.1	61.2	-16.4	63.4	344	0.492	0.0	1.0	37.1	42.9	-31.1	53.0	324	0.9	0.0	1.0	0.473	0.0	1.0	36.6	42.1	-31.7	52.8	322	0.9	0.0	1.0
345	325	323	0.916	0.0	1.0	46.5	61.9	-15.9	63.9	345	0.512	0.0	1.0	37.4	43.7	-30.5	53.3	325	0.917	0.0	1.0	0.49	0.0	1.0	37.0	42.8	-31.1	53.0	323	0.917	0.0	1.0
346	326	324	0.933	0.0	1.0	46.8	62.6	-15.3	64.5	346	0.532	0.0	1.0	37.7	44.5	-29.9	53.7	326	0.933	0.0	1.0	0.508	0.0	1.0	37.4	43.5	-30.6	53.2	324	0.933	0.0	1.0
346	327	325	0.95	0.0	1.0	47.1	63.3	-14.6	65.0	346	0.552	0.0	1.0	38.0	45.4	-29.4	54.1	327	0.95	0.0	1.0	0.527	0.0	1.0	37.6	44.3	-30.1	53.6	325	0.95	0.0	1.0
347	328	326	0.966	0.0	1.0	47.5	64.0	-14.0	65.5	347	0.572	0.0	1.0	38.3	46.2	-28.8	54.5	328	0.967	0.0	1.0	0.546	0.0	1.0	37.9	45.1	-29.5	54.0	326	0.967	0.0	1.0
348	329	327	0.983	0.0	1.0	47.8	64.7	-13.4	66.1	348	0.592	0.0	1.0	38.6	47.1	-28.2	54.9	329	0.983	0.0	1.0	0.565	0.0	1.0	38.2	46.0	-29.0	54.4	327	0.983	0.0	1.0
348	330	328	1.0	0.0	1.0	48.1	65.4	-12.7	66.6	348	0.612	0.0	1.0	38.9	47.9	-27.6	55.4	330	1.0	0.0	1.0	0.584	0.0	1.0	38.5	46.8	-28.4	54.8	328	1.0	0.0	1.0
349	331	329	1.0	0.0	0.983	48.3	65.5	-12.5	66.7	349	0.631	0.0	1.0	39.2	48.8	-26.9	55.8	331	1.0	0.0	0.983	0.603	0.0	1.0	38.8	47.6	-27.9	55.2	329	1.0	0.0	0.983
349	332	330	1.0	0.0	0.966	48.5	65.6	-12.2	66.7	349	0.646	0.0	1.0	39.6	49.6	-26.3	56.2	332	1.0	0.0	0.967	0.623	0.0	1.0	39.1	48.4	-27.3	55.6	330	1.0	0.0	0.967
349	333	331	1.0	0.0	0.95	48.7	65.7	-11.9	66.8	349	0.662	0.0	1.0	39.9	50.5	-25.6	56.7	333	1.0	0.0	0.95	0.638	0.0	1.0	39.4	49.2	-26.7	56.0	331	1.0	0.0	0.95
349	334	332	1.0	0.0	0.933	48.9	65.8	-11.7	66.8	349	0.677	0.0	1.0	40.3	51.3	-24.9	57.1	334	1.0	0.0	0.933	0.652	0.0	1.0	39.7	50.0	-26.0	56.4	332	1.0	0.0	0.933
350	335	333	1.0	0.0	0.916	49.0	65.9	-11.4	66.9	350	0.692	0.0	1.0	40.6	52.1	-24.2	57.5	335	1.0	0.0	0.917	0.667	0.0	1.0	40.0	50.8	-25.4	56.8	333	1.0	0.0	0.917
350	336	334	1.0	0.0	0.9	49.2	66.0	-11.1	66.9	350	0.708	0.0	1.0	41.0	53.0	-23.5	58.0	336	1.0	0.0	0.9	0.681	0.0	1.0	40.4	51.6	-24.7	57.2	334	1.0	0.0	0.9
350	337	335	1.0	0.0	0.883	49.4	66.1	-10.9	67.0	350	0.723	0.0	1.0	41.3	53.8	-22.7	58.4	337	1.0	0.0	0.883	0.696	0.0	1.0	40.7	52.3	-24.0	57.6	335	1.0	0.0	0.883
350	338	336	1.0	0.0	0.866	49.5	66.0	-10.4	66.9	350	0.738	0.0	1.0	41.6	54.6	-22.0	58.9	338	1.0	0.0	0.867	0.711	0.0	1.0	41.0	53.1	-23.3	58.1	336	1.0	0.0	0.867
351	339	337	1.0	0.0	0.85	49.4	65.8	-9.9	66.6	351	0.756	0.0	1.0	42.1	55.4	-21.2	59.4	339	1.0	0.0	0.85	0.725	0.0	1.0	41.3	53.9	-22.6	58.5	337	1.0	0.0	0.85
351	340	338	1.0	0.0	0.833	49.4	65.6	-9.3	66.3	35																						



<http://130.149.60.45/~farbmetrik/QS49/QS49LOFP.PDF> /.PS; 3D-linealización  
F: 3D-linealización QS49/QS49L30FP.DAT en archivo (F), página 18/33

nrf	HC*Fid	rgp_Fid	icr_Fid	hs_Fid	rgp*Fid	LabC*Fid	cmyk*_sep.Fid	hs*Fid	rgp*Fid	LabC*Fid	delta
0/648	RO0Y_100_100ad	1.0	0.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4	0.0
1/657	R13Y_100_100ad	0.0	0.125	0.0	0.0	47.5	57.2	37.8	68.6	33.4	0.0
2/666	R25Y_100_100ad	0.0	0.25	0.0	0.0	47.5	57.2	37.8	68.6	33.4	0.0
3/675	R38Y_100_100ad	0.0	0.375	0.0	0.0	47.5	57.2	37.8	68.6	33.4	0.0
4/684	R50Y_100_100ad	0.0	0.5	0.0	0.0	47.5	57.2	37.8	68.6	33.4	0.0
5/693	R63Y_100_100ad	0.0	0.625	0.0	0.0	47.5	57.2	37.8	68.6	33.4	0.0
6/702	R75Y_100_100ad	0.0	0.75	0.0	0.0	47.5	57.2	37.8	68.6	33.4	0.0
7/711	R88Y_100_100ad	0.0	0.875	0.0	0.0	47.5	57.2	37.8	68.6	33.4	0.0
8/720	Y00G_100_100ad	1.0	0.0	0.0	0.0	91.5	-15.8	84.6	86.1	100.5	0.0
9/639	Y13G_100_100ad	0.875	0.0	0.0	0.0	92.7	-18.0	89.1	90.9	101.6	0.0
10/558	Y25G_100_100ad	0.75	0.0	0.0	0.0	90.4	-20.9	86.5	89.0	103.6	0.0
11/477	Y38G_100_100ad	0.625	0.0	0.0	0.0	80.5	-31.2	69.2	68.9	114.2	0.0
12/396	Y50G_100_100ad	0.5	0.0	0.0	0.0	70.9	-41.7	54.8	68.9	127.3	0.0
13/315	Y63G_100_100ad	0.375	0.0	0.0	0.0	66.1	-48.2	47.5	67.7	135.3	0.0
14/234	Y75G_100_100ad	0.25	0.0	0.0	0.0	60.1	-57.9	39.6	60.1	145.5	0.0
15/153	Y88G_100_100ad	0.125	0.0	0.0	0.0	56.8	-62.5	34.1	56.8	151.3	0.0
16/72	G00C_100_100ad	0.0	0.0	1.0	0.0	54.3	-67.6	30.8	54.3	155.5	0.0
17/73	G13C_100_100ad	0.0	0.125	1.0	0.0	53.8	-66.5	23.5	53.8	160.5	0.0
18/74	G25C_100_100ad	0.0	0.25	1.0	0.0	53.7	-63.6	14.1	52.3	167.4	0.0
19/75	G38C_100_100ad	0.0	0.375	1.0	0.0	54.7	-57.3	0.8	57.3	179.1	0.0
20/76	G50C_100_100ad	0.0	0.5	1.0	0.0	55.0	-51.4	-8.9	55.0	189.8	0.0
21/77	G63C_100_100ad	0.0	0.625	1.0	0.0	55.3	-43.8	-20.5	55.3	205.1	0.0
22/78	G75C_100_100ad	0.0	0.75	1.0	0.0	55.1	-39.2	-27.9	55.1	215.4	0.0
23/79	G88C_100_100ad	0.0	0.875	1.0	0.0	54.3	-36.4	-33.7	54.3	222.8	0.0
24/80	C00B_100_100ad	0.0	0.0	0.5	0.0	53.1	-30.0	-43.1	53.1	235.1	0.0
25/71	C13B_100_100ad	0.0	0.125	0.5	0.0	53.1	-28.1	-44.6	53.1	237.7	0.0
26/62	C25B_100_100ad	0.0	0.25	0.5	0.0	52.9	-26.2	-47.2	52.9	240.9	0.0
27/53	C38B_100_100ad	0.0	0.375	0.5	0.0	50.7	-21.1	-46.8	50.7	246.8	0.0
28/44	C50B_100_100ad	0.0	0.5	0.5	0.0	46.1	-13.3	-49.4	46.1	254.9	0.0
29/35	C63B_100_100ad	0.0	0.375	1.0	0.0	41.1	-5.7	-49.2	41.1	263.3	0.0
30/26	C75B_100_100ad	0.0	0.25	1.0	0.0	36.6	3.2	-48.3	36.6	273.8	0.0
31/17	C88B_100_100ad	0.0	0.125	1.0	0.0	34.9	9.9	-46.3	34.9	283.0	0.0
32/8	B00M_100_100ad	0.0	0.0	1.0	0.0	32.5	16.9	-44.6	32.5	290.8	0.0
33/89	B13M_100_100ad	0.125	0.0	1.0	0.0	31.6	23.1	-42.4	31.6	296.6	0.0
34/170	B25M_100_100ad	0.25	0.0	1.0	0.0	31.1	29.6	-39.8	31.1	306.6	0.0
35/251	B38M_100_100ad	0.375	0.0	1.0	0.0	34.0	37.7	-35.3	34.0	316.8	0.0
36/332	B50M_100_100ad	0.5	0.0	1.0	0.0	37.2	43.1	-30.8	37.2	324.4	0.0
37/413	B63M_100_100ad	0.625	0.0	1.0	0.0	39.2	48.9	-26.9	39.2	331.1	0.0
38/494	B75M_100_100ad	0.75	0.0	1.0	0.0	42.4	55.8	-20.9	42.4	339.4	0.0
39/575	B88M_100_100ad	0.875	0.0	1.0	0.0	45.8	60.5	-17.0	45.8	344.2	0.0
40/656	M00R_100_100ad	1.0	0.0	1.0	0.0	48.1	65.4	-12.7	48.1	348.9	0.0
41/655	M13R_100_100ad	1.0	0.0	0.875	0.0	48.1	65.4	-10.9	48.1	350.6	0.0
42/654	M25R_100_100ad	1.0	0.0	0.75	0.0	48.1	65.4	-7.1	48.1	353.7	0.0
43/653	M38R_100_100ad	1.0	0.0	0.625	0.0	48.0	62.0	1.5	47.8	358.9	0.0
44/652	M50R_100_100ad	1.0	0.0	0.5	0.0	47.8	58.9	10.4	47.8	360.2	0.0
45/651	M63R_100_100ad	1.0	0.0	0.375	0.0	47.8	58.9	20.0	47.8	362.8	0.0
46/650	M75R_100_100ad	1.0	0.0	0.25	0.0	47.6	56.4	28.4	47.6	366.1	0.0
47/649	M88R_100_100ad	1.0	0.0	0.125	0.0	47.5	57.2	37.8	47.5	373.8	0.0
48/648	RO0Y_100_100ad	1.0	0.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4	0.0
49/0	NV_000ad	0.0	0.0	0.0	0.0	23.8	0.0	0.0	0.0	0.0	0.0
50/91	NV_013ad	0.125	0.125	0.125	0.125	23.8	0.0	0.0	0.0	0.0	0.0
51/182	NV_025ad	0.25	0.25	0.25	0.25	23.8	0.0	0.0	0.0	0.0	0.0
52/273	NV_038ad	0.375	0.375	0.375	0.375	23.8	0.0	0.0	0.0	0.0	0.0
53/364	NV_050ad	0.5	0.5	0.5	0.5	23.8	0.0	0.0	0.0	0.0	0.0
54/455	NV_063ad	0.625	0.625	0.625	0.625	23.8	0.0	0.0	0.0	0.0	0.0
55/546	NV_075ad	0.75	0.75	0.75	0.75	23.8	0.0	0.0	0.0	0.0	0.0
56/637	NV_088ad	0.875	0.875	0.875	0.875	23.8	0.0	0.0	0.0	0.0	0.0
57/728	NV_100ad	1.0	1.0	1.0	1.0	23.8	0.0	0.0	0.0	0.0	0.0

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

gráfico TUB-QS49; código de tono: H\*d=Y25Gd  
colores y diferencia en color, ΔE\*







http://130.149.60.45/~farbmetrik/QS49/QS49LOFP.PDF /.PS; 3D-linealización  
F: 3D-linealización QS49/QS49L30FP.DAT en archivo (F), página 21/33

Table with columns: n, HHC\*Fid, rpb\_Fid, icr\_Fid, hsa\_Fid, rpb\*Fid, LabC\*Fid, LabC\*Fid, cmyk\*\_sep\_Fid, delta, Hsa\*Fid, rpb\*Fid, LabC\*Fid, LabC\*Fid, delta. Rows 81-161.

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

http://130.149.60.45/~farbmetrik/QS49/QS49LOFP.PDF /.PS; 3D-linealización  
F: 3D-linealización QS49/QS49L30FP.DAT en archivo (F), página 22/33

Table with 24 columns: n, HHC\*Fid, rpb\_Fid, icr\_Fid, hsa\_Fid, rpb\*Fid, LabCm\*Fid, cmyk\*\_sep,Fid, rpb\*\_Fid, hsa\*\_Fid, LabCm\*\_Fid, delta, rpb\*\_Fid, hsa\*\_Fid, LabCm\*\_Fid, cmyk\*\_sep,Fid, rpb\*\_Fid, hsa\*\_Fid, LabCm\*\_Fid, delta. Rows 162-242.

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

gráfico TUB-QS49; código de tono: H\*d=Y25Gd  
colores y diferencia en color, ΔE\*





http://130.149.60.45/~farbmetrik/QS49/QS49LOFP.PDF /.PS; 3D-linealización  
F: 3D-linealización QS49/QS49L30FP.DAT en archivo (F), página 24/33

Table with 15 columns: n, HHC\*Fid, rpb\*Fid, icr\*Fid, hsa\*Fid, rpb\*Fid, LabCM\*Fid, LabCM\*Fid, cmyk\*sep.Fid, cmyk\*sep.Fid, rpb\*Fid, Hsa\*Fid, LabCM\*Fid, LabCM\*Fid, delta. Rows 324-404.

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

gráfico TUB-QS49; código de tono: H\*d=Y25Gd  
colores y diferencia en color, ΔE\*<sup>\*</sup>

2-1032330-F0

QS490-TN; 24/33-F

http://130.149.60.45/~farbmetrik/QS49/QS49LOFP.PDF /.PS; 3D-linealización  
F: 3D-linealización QS49/QS49L30FP.DAT en archivo (F), página 25/33

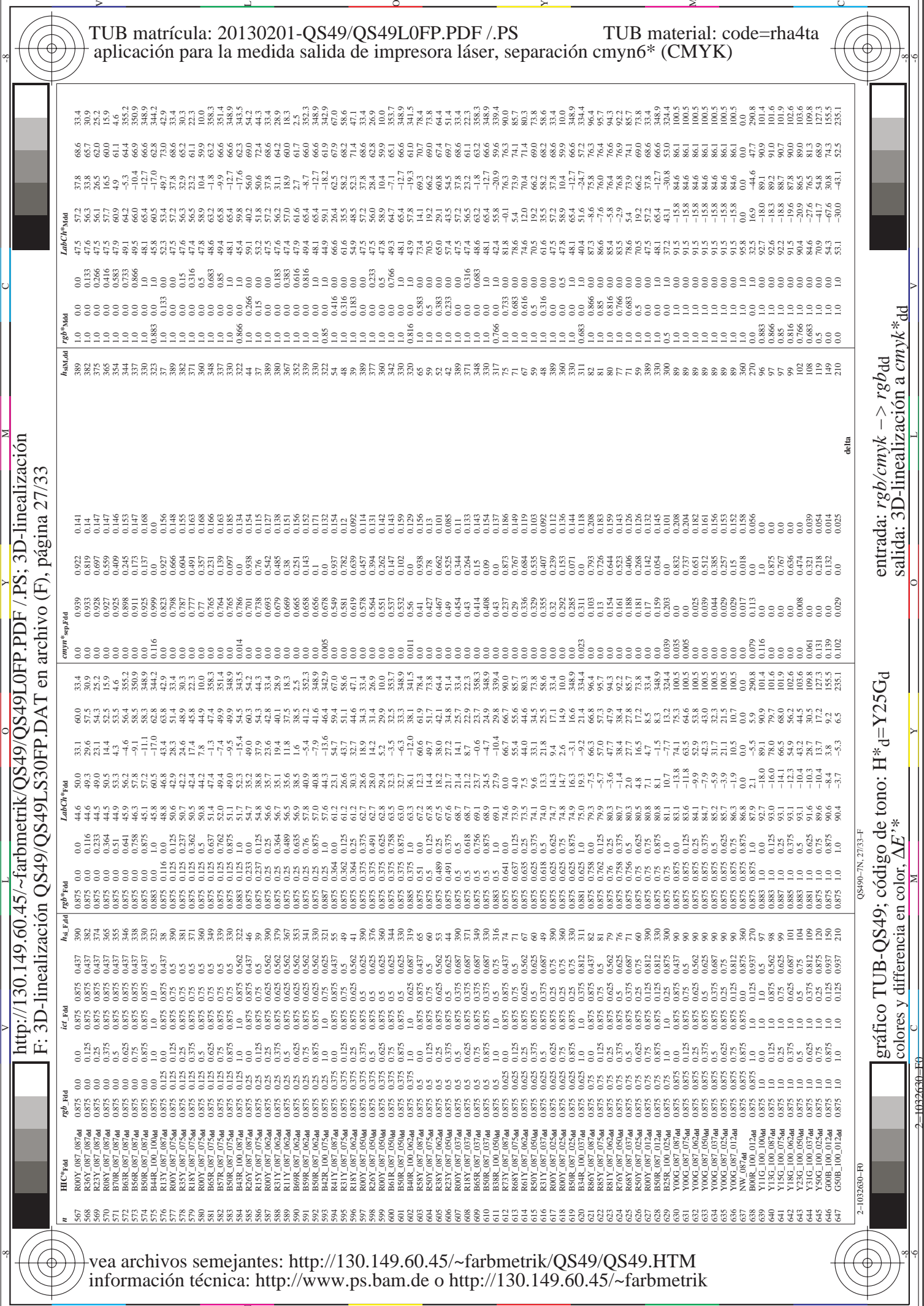
Table with columns: n, HHC\*Fid, rpb\_Fid, icr\_Fid, hsa\_Fid, rpb\*Fid, LabC\*Fid, cmyk\*\_sep,Fid, rpb\*\*Fid, hsa\*\*Fid, LabC\*\*Fid, delta. Rows list various color patches and their corresponding colorimetric data.

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

gráfico TUB-QS49; código de tono: H\*d=Y25Gd  
colores y diferencia en color, ΔE\*

<http://130.149.60.45/~farbmetrik/QS49/QS49LOFP.PDF> /PS; 3D-linealización  
F: 3D-linealización QS49/QS49L30FP.DAT en archivo (F), página 26/33

n	HC*Fid	rgb_Fid	icr_Fid	hsa_Fid	rgb*Fid	LabCM*Fid	51.4	28.3	51.4	cmyk*_sep_Fid	Lab*Fid	rgb*Fid	hsa_Fid	LabCM*Fid	delta		
486	ROY_075_0750ad	0.75	0.0	0.75	0.0	41.6	42.9	42.9	33.4	0.889	0.834	0.254	389	47.5	37.8	68.6	33.4
487	R35Y_075_0750ad	0.75	0.0	0.112	0.0	41.7	42.2	42.2	33.4	0.888	0.755	0.255	382	0.0	57.2	65.2	68.6
488	R15Y_075_0750ad	0.75	0.0	0.237	0.0	41.5	42.4	42.4	33.4	0.886	0.612	0.267	371	0.0	47.6	56.5	101.0
489	ROY_075_0750ad	0.75	0.0	0.375	0.0	41.5	42.4	42.4	33.4	0.886	0.442	0.262	360	0.0	47.8	58.9	104.0
490	B6SK_075_0750ad	0.75	0.0	0.512	0.0	42.4	40.4	40.4	33.4	0.877	0.291	0.262	348	0.0	48.2	63.8	358.3
491	B57K_075_0750ad	0.75	0.0	0.637	0.0	42.4	40.4	40.4	33.4	0.858	0.166	0.265	337	0.0	48.0	65.8	351.4
492	B50K_075_0750ad	0.75	0.0	0.75	0.0	42.1	40.0	40.0	33.4	0.863	0.125	0.295	330	0.0	48.1	65.4	348.9
493	B43K_087_0870ad	0.75	0.0	0.875	0.0	42.1	40.0	40.0	33.4	0.902	0.0	0.255	322	0.0	45.4	59.8	127.6
494	B38K_100_1000ad	0.75	0.0	1.0	0.0	42.8	38.8	38.8	33.4	0.999	0.0	0.0	317	0.0	55.8	20.9	339.4
495	R15Y_075_0750ad	0.75	0.0	0.112	0.0	42.8	38.8	38.8	33.4	0.779	0.895	0.25	317	0.0	53.2	51.8	44.3
496	ROY_075_0750ad	0.75	0.0	0.237	0.0	42.5	40.4	40.4	33.4	0.767	0.638	0.238	380	0.0	47.5	56.2	33.4
497	R35Y_075_0750ad	0.75	0.0	0.375	0.0	42.5	40.4	40.4	33.4	0.752	0.559	0.246	380	0.0	47.6	56.2	31.1
498	R15Y_075_0750ad	0.75	0.0	0.512	0.0	42.5	40.4	40.4	33.4	0.744	0.431	0.26	380	0.0	47.6	56.2	31.1
499	B6SK_075_0750ad	0.75	0.0	0.637	0.0	42.5	40.4	40.4	33.4	0.737	0.277	0.268	352	0.0	48.0	65.4	18.3
500	B57K_075_0750ad	0.75	0.0	0.75	0.0	42.5	40.4	40.4	33.4	0.727	0.152	0.27	339	0.0	48.1	65.4	18.3
501	B50K_075_0750ad	0.75	0.0	0.875	0.0	42.5	40.4	40.4	33.4	0.725	0.106	0.298	330	0.0	48.1	65.4	18.3
502	B43K_087_0870ad	0.75	0.0	1.0	0.0	42.5	40.4	40.4	33.4	0.725	0.0	0.252	322	0.0	48.1	65.4	18.3
503	B38K_100_1000ad	0.75	0.0	1.0	0.0	42.5	40.4	40.4	33.4	0.813	0.0	0.081	315	0.0	41.5	54.3	337.6
504	R15Y_075_0750ad	0.75	0.0	0.112	0.0	42.5	40.4	40.4	33.4	0.655	0.893	0.229	315	0.0	41.5	54.3	337.6
505	ROY_075_0750ad	0.75	0.0	0.237	0.0	42.5	40.4	40.4	33.4	0.677	0.737	0.241	389	0.0	47.5	56.2	31.1
506	R35Y_075_0750ad	0.75	0.0	0.375	0.0	42.5	40.4	40.4	33.4	0.652	0.514	0.234	389	0.0	47.5	56.2	31.1
507	R15Y_075_0750ad	0.75	0.0	0.512	0.0	42.5	40.4	40.4	33.4	0.618	0.441	0.249	377	0.0	47.5	56.2	31.1
508	ROY_075_0750ad	0.75	0.0	0.637	0.0	42.5	40.4	40.4	33.4	0.623	0.305	0.26	360	0.0	47.8	58.9	104.0
509	B6SK_075_0750ad	0.75	0.0	0.75	0.0	42.5	40.4	40.4	33.4	0.613	0.168	0.264	342	0.0	48.1	65.4	18.3
510	B57K_075_0750ad	0.75	0.0	0.875	0.0	42.5	40.4	40.4	33.4	0.609	0.12	0.286	340	0.0	48.1	65.4	18.3
511	B50K_075_0750ad	0.75	0.0	1.0	0.0	42.5	40.4	40.4	33.4	0.623	0.0	0.258	320	0.0	48.1	65.4	18.3
512	B43K_087_0870ad	0.75	0.0	1.0	0.0	42.5	40.4	40.4	33.4	0.687	0.0	0.171	311	0.0	48.1	65.4	18.3
513	B38K_100_1000ad	0.75	0.0	1.0	0.0	42.5	40.4	40.4	33.4	0.451	0.866	0.252	52	0.0	70.5	19.2	66.2
514	R35Y_075_0750ad	0.75	0.0	0.375	0.0	42.5	40.4	40.4	33.4	0.494	0.731	0.234	52	0.0	70.5	19.2	66.2
515	R15Y_075_0750ad	0.75	0.0	0.512	0.0	42.5	40.4	40.4	33.4	0.537	0.608	0.215	44	0.0	47.5	56.2	31.1
516	ROY_075_0750ad	0.75	0.0	0.637	0.0	42.5	40.4	40.4	33.4	0.512	0.403	0.23	389	0.0	47.5	56.2	31.1
517	R35Y_075_0750ad	0.75	0.0	0.75	0.0	42.5	40.4	40.4	33.4	0.5	0.318	0.246	371	0.0	48.1	65.4	18.3
518	B6SK_075_0750ad	0.75	0.0	0.875	0.0	42.5	40.4	40.4	33.4	0.486	0.186	0.252	348	0.0	48.1	65.4	18.3
519	B57K_075_0750ad	0.75	0.0	1.0	0.0	42.5	40.4	40.4	33.4	0.475	0.11	0.269	310	0.0	48.1	65.4	18.3
520	B50K_075_0750ad	0.75	0.0	1.0	0.0	42.5	40.4	40.4	33.4	0.485	0.0	0.251	317	0.0	42.4	54.8	339.4
521	B43K_087_0870ad	0.75	0.0	1.0	0.0	42.5	40.4	40.4	33.4	0.55	0.0	0.128	300	0.0	48.1	65.4	18.3
522	B38K_100_1000ad	0.75	0.0	1.0	0.0	42.5	40.4	40.4	33.4	0.301	0.838	0.266	71	0.0	78.6	5.4	85.7
523	R15Y_075_0750ad	0.75	0.0	0.112	0.0	42.5	40.4	40.4	33.4	0.34	0.721	0.254	70	0.0	70.5	19.2	66.2
524	ROY_075_0750ad	0.75	0.0	0.237	0.0	42.5	40.4	40.4	33.4	0.359	0.616	0.236	59	0.0	70.5	19.2	66.2
525	R35Y_075_0750ad	0.75	0.0	0.375	0.0	42.5	40.4	40.4	33.4	0.389	0.467	0.223	48	0.0	70.5	19.2	66.2
526	ROY_075_0750ad	0.75	0.0	0.512	0.0	42.5	40.4	40.4	33.4	0.367	0.29	0.241	389	0.0	47.5	56.2	31.1
527	B6SK_075_0750ad	0.75	0.0	0.637	0.0	42.5	40.4	40.4	33.4	0.335	0.188	0.265	389	0.0	47.5	56.2	31.1
528	B57K_075_0750ad	0.75	0.0	0.75	0.0	42.5	40.4	40.4	33.4	0.324	0.091	0.273	330	0.0	48.1	65.4	18.3
529	B50K_075_0750ad	0.75	0.0	0.875	0.0	42.5	40.4	40.4	33.4	0.324	0.0	0.254	310	0.0	48.1	65.4	18.3
530	B43K_087_0870ad	0.75	0.0	1.0	0.0	42.5	40.4	40.4	33.4	0.42	0.0	0.137	300	0.0	70.5	19.2	66.2
531	B38K_100_1000ad	0.75	0.0	1.0	0.0	42.5	40.4	40.4	33.4	0.164	0.768	0.312	81	0.0	85.6	7.6	95.7
532	R15Y_075_0750ad	0.75	0.0	0.112	0.0	42.5	40.4	40.4	33.4	0.164	0.687	0.295	71	0.0	70.5	19.2	66.2
533	ROY_075_0750ad	0.75	0.0	0.237	0.0	42.5	40.4	40.4	33.4	0.188	0.599	0.275	71	0.0	70.5	19.2	66.2
534	R35Y_075_0750ad	0.75	0.0	0.375	0.0	42.5	40.4	40.4	33.4	0.212	0.462	0.258	59	0.0	70.5	19.2	66.2
535	ROY_075_0750ad	0.75	0.0	0.512	0.0	42.5	40.4	40.4	33.4	0.218	0.328	0.259	59	0.0	70.5	19.2	66.2
536	ROY_075_0750ad	0.75	0.0	0.637	0.0	42.5	40.4	40.4	33.4	0.177	0.07	0.282	330	0.0	47.5	56.2	31.1
537	B6SK_075_0750ad	0.75	0.0	0.75	0.0	42.5	40.4	40.4	33.4	0.173	0.269	0.259	389	0.0	47.5	56.2	31.1
538	B57K_075_0750ad	0.75	0.0	0.875	0.0	42.5	40.4	40.4	33.4	0.199	0.139	0.269	389	0.0	47.5	56.2	31.1
539	B50K_075_0750ad	0.75	0.0	1.0	0.0	42.5	40.4	40.4	33.4	0.209	0.0	0.251	300	0.0	48.1	65.4	18.3
540	B43K_087_0870ad	0.75	0.0	1.0	0.0	42.5	40.4	40.4	33.4	0.304	0.0	0.139	288	0.0	48.1	65.4	18.3
541	B38K_100_1000ad	0.75	0.0	1.0	0.0	42.5	40.4	40.4	33.4	0.817	0.33	0.33	89	0.0	91.5	15.8	84.6
542	ROY_075_0750ad	0.75	0.0	0.112	0.0	42.5	40.4	40.4	33.4	0.695	0.32	0.32	89	0.0	91.5	15.8	84.6
543	ROY_075_0750ad	0.75	0.0	0.237	0.0	42.5	40.4	40.4	33.4	0.62	0.37	0.32	89	0.0	91.5	15.8	84.6
544	ROY_075_0750ad	0.75	0.0	0.375	0.0	42.5	40.4	40.4	33.4	0.51	0.388	0.32	89	0.0	91.5	15.8	84.6
545	ROY_075_0750ad	0.75	0.0	0.512	0.0	42.5	40.4	40.4	33.4	0.421	0.388	0.32	89	0.0	91.5	15.8	84.6
546	ROY_075_0750ad	0.75	0.0	0.637	0.0	42.5	40.4	40.4	33.4	0.387	0.186	0.328	89	0.0	91.5	15.8	84.6
547	ROY_075_0750ad	0.75	0.0	0.75	0.0	42.5	40.4	40.4	33.4	0.036	0.186	0.328	89	0.0	91.5	15.8	84.6
548	ROY_075_0750ad	0.75	0.0	0.875	0.0	42.5	40.4	40.4	33.4	0.029	0.286	0.328	89	0.0	91.5	15.8	84.6
549	ROY_075_0750ad	0.75	0.0	1.0	0.0	42.5	40.4	40.4	33.4	0.005	0.029	0.286	89	0.0	91.5	15.8	84.6
550	ROY_075_0750ad	0.75	0.0	1.0	0.0	42.5	40.4	40.4	33.4	0.063	0.09	0.206	270	0.0	95.8	0.0	0.0
551	ROY_075_0750ad	0.75	0.0	1.0	0.0	42.5	40.4	40.4	33.4	0.138	0.0	0.096	270	0.0	95.8	0.0	0.0
552	ROY_075_0750ad	0.75	0.0	1.0	0.0	42.5	40.4	40.4	33.4	0.189	0.0	0.096	270	0.0	95.8	0.0	0.0
553	ROY_075_0750ad	0.75	0.0	1.0	0.0	42.5	40.4	40.4	33.4	0.189	0.0	0.096	270	0.0	95.8	0.0	0.0
554	ROY_075_0750ad	0.75	0.0	1.0	0.0	42.5	40.4	40.4	33								



http://130.149.60.45/~farbmetrik/QS49/QS49LOFP.PDF /.PS; 3D-linealización  
F: 3D-linealización QS49/QS49L30FP.DAT en archivo (F), página 27/33

Table with columns: n, HHC\*Fid, rpb\_Fid, icr\_Fid, hsa\_Fid, rpb\*Fid, LabC\*Fid, cmyk\*\_sep,Fid, LabC\*\_Fid, rpb\*\_Fid, hsa\*\_Fid, LabC\*\_Fid, delta. Rows 567-647.

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

gráfico TUB-QS49; código de tono: H\*d=Y25Gd  
colores y diferencia en color, ΔE\*

http://130.149.60.45/~farbmetrik/QS49/QS49LOFP.PDF /.PS; 3D-linealización  
F: 3D-linealización QS49/QS49L30FP.DAT en archivo (F), página 28/33

Table with 15 columns: n, HHC\*Fid, rpb\*Fid, icr\*Fid, Hrs\*Fid, rpb\*Fid, LabC\*Fid, LabC\*Sep, cmyk\*Sep, rpb\*Fid, Hrs\*Fid, rpb\*Fid, LabC\*Fid, LabC\*Fid, delta. Rows include color codes like R001, R002, etc.

gráfico TUB-QS49; código de tono: H\*d=Y25Gd  
colores y diferencia en color, ΔE\*  
entrada: rgb/cmyk -> rgbd  
salida: 3D-linealización a cmyk\*dd



http://130.149.60.45/~farbmetrik/QS49/QS49LOFP.PDF /.PS; 3D-linealización  
F: 3D-linealización QS49/QS49L30FP.DAT en archivo (F), página 29/33

Table with 15 columns: n, H#C\*Fid, rgb\_Fid, icr\_Fid, H#s\_Fid, rgb\_Fid, LabC\*Fid, cmyk\*\_sep\_Fid, rgb\*\_Fid, LabC\*\_Fid, H#s\*\_Fid, rgb\*\_Fid, LabC\*\_Fid, cmyk\*\_sep\_Fid, delta. Rows 729-809.

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

gráfico TUB-QS49; código de tono: H\*d=Y25Gd  
colores y diferencia en color, ΔE\*



http://130.149.60.45/~farbmetrik/QS49/QS49LOFP.PDF /.PS; 3D-linealización  
F: 3D-linealización QS49/QS49L30FP.DAT en archivo (F), página 30/33

Table with 15 columns: n, H#C\*Fid, rpb\*Fid, icr\*Fid, hsa\*Fid, rpb\*Fid, LabC\*Fid, cmyk\*sep,Fid, cmyk\*sep,Fid, LabC\*Fid, hsa\*Fid, rpb\*Fid, LabC\*Fid, delta. Rows include color codes like NV, BOOR, YOGC, etc.

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

gráfico TUB-QS49; código de tono: H\*d=Y25Gd  
colores y diferencia en color, ΔE\*

http://130.149.60.45/~farbmetrik/QS49/QS49LOFP.PDF /.PS; 3D-linealización  
F: 3D-linealización QS49/QS49L30FP.DAT en archivo (F), página 31/33

Table with 15 columns: n, H#C\*Fid, rpb\*Fid, icr\*Fid, hsa\*Fid, rpb\*Fid, LabC\*Fid, cmyk\*sep,Fid, cmyk\*sep,Fid, LabC\*Fid, hsa\*Fid, rpb\*Fid, LabC\*Fid, delta. Rows 891-971.

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

gráfico TUB-QS49; código de tono: H\*d=Y25Gd  
colores y diferencia en color, ΔE\*

QS490-TN; 31/33-F

2-103300-F0

<http://130.149.60.45/~farbmetrik/QS49/QS49LOFP.PDF> /PS; 3D-linealización  
F: 3D-linealización QS49/QS49L30FP.DAT en archivo (F), página 32/33

n	HC*Fid	rgb_Fid	icr_Fid	hsa_Fid	rgb*Fid	LabCM*Fid	cmyk*_sep.Fid	hsa_Jdd	rgb*Jdd	LabCM*Jdd	delta
972	NW_0000ad	0.125	0.125	0.0	0.0	0.0	0.0	360	1.0	1.0	0.0
973	NW_0120ad	0.125	0.125	0.0	0.0	23.8	0.0	360	1.0	1.0	95.8
974	NW_0250ad	0.25	0.25	0.0	0.0	41.8	0.0	360	1.0	1.0	95.8
975	NW_0370ad	0.375	0.375	0.0	0.0	50.8	0.0	360	1.0	1.0	95.8
976	NW_0500ad	0.5	0.5	0.0	0.0	59.8	0.0	360	1.0	1.0	95.8
977	NW_0620ad	0.625	0.625	0.0	0.0	68.8	0.0	360	1.0	1.0	95.8
978	NW_0750ad	0.75	0.75	0.0	0.0	77.8	0.0	360	1.0	1.0	95.8
979	NW_0870ad	0.875	0.875	0.0	0.0	86.8	0.0	360	1.0	1.0	95.8
980	NW_1000ad	1.0	1.0	0.0	0.0	95.8	0.0	360	1.0	1.0	95.8
981	NW_0000ad	0.0	0.0	0.0	0.0	23.8	0.0	360	1.0	1.0	95.8
982	NW_0120ad	0.125	0.125	0.0	0.0	41.8	0.0	360	1.0	1.0	95.8
983	NW_0250ad	0.25	0.25	0.0	0.0	50.8	0.0	360	1.0	1.0	95.8
984	NW_0370ad	0.375	0.375	0.0	0.0	59.8	0.0	360	1.0	1.0	95.8
985	NW_0500ad	0.5	0.5	0.0	0.0	68.8	0.0	360	1.0	1.0	95.8
986	NW_0620ad	0.625	0.625	0.0	0.0	77.8	0.0	360	1.0	1.0	95.8
987	NW_0750ad	0.75	0.75	0.0	0.0	86.8	0.0	360	1.0	1.0	95.8
988	NW_0870ad	0.875	0.875	0.0	0.0	95.8	0.0	360	1.0	1.0	95.8
989	NW_1000ad	1.0	1.0	0.0	0.0	95.8	0.0	360	1.0	1.0	95.8
990	NW_0000ad	0.0	0.0	0.0	0.0	23.8	0.0	360	1.0	1.0	95.8
991	NW_0120ad	0.125	0.125	0.0	0.0	41.8	0.0	360	1.0	1.0	95.8
992	NW_0250ad	0.25	0.25	0.0	0.0	50.8	0.0	360	1.0	1.0	95.8
993	NW_0370ad	0.375	0.375	0.0	0.0	59.8	0.0	360	1.0	1.0	95.8
994	NW_0500ad	0.5	0.5	0.0	0.0	68.8	0.0	360	1.0	1.0	95.8
995	NW_0620ad	0.625	0.625	0.0	0.0	77.8	0.0	360	1.0	1.0	95.8
996	NW_0750ad	0.75	0.75	0.0	0.0	86.8	0.0	360	1.0	1.0	95.8
997	NW_0870ad	0.875	0.875	0.0	0.0	95.8	0.0	360	1.0	1.0	95.8
998	NW_1000ad	1.0	1.0	0.0	0.0	95.8	0.0	360	1.0	1.0	95.8
999	NW_0000ad	0.0	0.0	0.0	0.0	23.8	0.0	360	1.0	1.0	95.8
1000	NW_0120ad	0.125	0.125	0.0	0.0	41.8	0.0	360	1.0	1.0	95.8
1001	NW_0250ad	0.25	0.25	0.0	0.0	50.8	0.0	360	1.0	1.0	95.8
1002	NW_0370ad	0.375	0.375	0.0	0.0	59.8	0.0	360	1.0	1.0	95.8
1003	NW_0500ad	0.5	0.5	0.0	0.0	68.8	0.0	360	1.0	1.0	95.8
1004	NW_0620ad	0.625	0.625	0.0	0.0	77.8	0.0	360	1.0	1.0	95.8
1005	NW_0750ad	0.75	0.75	0.0	0.0	86.8	0.0	360	1.0	1.0	95.8
1006	NW_0870ad	0.875	0.875	0.0	0.0	95.8	0.0	360	1.0	1.0	95.8
1007	NW_1000ad	1.0	1.0	0.0	0.0	95.8	0.0	360	1.0	1.0	95.8
1008	NW_0000ad	0.066	0.066	0.0	0.0	23.8	0.0	360	1.0	1.0	95.8
1009	NW_0120ad	0.133	0.133	0.0	0.0	41.8	0.0	360	1.0	1.0	95.8
1010	NW_0250ad	0.266	0.266	0.0	0.0	50.8	0.0	360	1.0	1.0	95.8
1011	NW_0370ad	0.4	0.4	0.0	0.0	59.8	0.0	360	1.0	1.0	95.8
1012	NW_0500ad	0.533	0.533	0.0	0.0	68.8	0.0	360	1.0	1.0	95.8
1013	NW_0620ad	0.666	0.666	0.0	0.0	77.8	0.0	360	1.0	1.0	95.8
1014	NW_0750ad	0.8	0.8	0.0	0.0	86.8	0.0	360	1.0	1.0	95.8
1015	NW_0870ad	0.933	0.933	0.0	0.0	95.8	0.0	360	1.0	1.0	95.8
1016	NW_1000ad	1.0	1.0	0.0	0.0	95.8	0.0	360	1.0	1.0	95.8
1017	NW_0000ad	0.066	0.066	0.0	0.0	23.8	0.0	360	1.0	1.0	95.8
1018	NW_0120ad	0.133	0.133	0.0	0.0	41.8	0.0	360	1.0	1.0	95.8
1019	NW_0250ad	0.266	0.266	0.0	0.0	50.8	0.0	360	1.0	1.0	95.8
1020	NW_0370ad	0.4	0.4	0.0	0.0	59.8	0.0	360	1.0	1.0	95.8
1021	NW_0500ad	0.533	0.533	0.0	0.0	68.8	0.0	360	1.0	1.0	95.8
1022	NW_0620ad	0.666	0.666	0.0	0.0	77.8	0.0	360	1.0	1.0	95.8
1023	NW_0750ad	0.8	0.8	0.0	0.0	86.8	0.0	360	1.0	1.0	95.8
1024	NW_0870ad	0.933	0.933	0.0	0.0	95.8	0.0	360	1.0	1.0	95.8
1025	NW_1000ad	1.0	1.0	0.0	0.0	95.8	0.0	360	1.0	1.0	95.8
1026	NW_0000ad	0.066	0.066	0.0	0.0	23.8	0.0	360	1.0	1.0	95.8
1027	NW_0120ad	0.133	0.133	0.0	0.0	41.8	0.0	360	1.0	1.0	95.8
1028	NW_0250ad	0.266	0.266	0.0	0.0	50.8	0.0	360	1.0	1.0	95.8
1029	NW_0370ad	0.4	0.4	0.0	0.0	59.8	0.0	360	1.0	1.0	95.8
1030	NW_0500ad	0.533	0.533	0.0	0.0	68.8	0.0	360	1.0	1.0	95.8
1031	NW_0620ad	0.666	0.666	0.0	0.0	77.8	0.0	360	1.0	1.0	95.8
1032	NW_0750ad	0.8	0.8	0.0	0.0	86.8	0.0	360	1.0	1.0	95.8
1033	NW_0870ad	0.933	0.933	0.0	0.0	95.8	0.0	360	1.0	1.0	95.8
1034	NW_1000ad	1.0	1.0	0.0	0.0	95.8	0.0	360	1.0	1.0	95.8
1035	NW_0000ad	0.066	0.066	0.0	0.0	23.8	0.0	360	1.0	1.0	95.8
1036	NW_0120ad	0.133	0.133	0.0	0.0	41.8	0.0	360	1.0	1.0	95.8
1037	NW_0250ad	0.266	0.266	0.0	0.0	50.8	0.0	360	1.0	1.0	95.8
1038	NW_0370ad	0.4	0.4	0.0	0.0	59.8	0.0	360	1.0	1.0	95.8
1039	NW_0500ad	0.533	0.533	0.0	0.0	68.8	0.0	360	1.0	1.0	95.8
1040	NW_0620ad	0.666	0.666	0.0	0.0	77.8	0.0	360	1.0	1.0	95.8
1041	NW_0750ad	0.8	0.8	0.0	0.0	86.8	0.0	360	1.0	1.0	95.8
1042	NW_0870ad	0.933	0.933	0.0	0.0	95.8	0.0	360	1.0	1.0	95.8
1043	NW_1000ad	1.0	1.0	0.0	0.0	95.8	0.0	360	1.0	1.0	95.8
1044	NW_0000ad	0.066	0.066	0.0	0.0	23.8	0.0	360	1.0	1.0	95.8
1045	NW_0120ad	0.133	0.133	0.0	0.0	41.8	0.0	360	1.0	1.0	95.8
1046	NW_0250ad	0.266	0.266	0.0	0.0	50.8	0.0	360	1.0	1.0	95.8
1047	NW_0370ad	0.4	0.4	0.0	0.0	59.8	0.0	360	1.0	1.0	95.8
1048	NW_0500ad	0.533	0.533	0.0	0.0	68.8	0.0	360	1.0	1.0	95.8
1049	NW_0620ad	0.666	0.666	0.0	0.0	77.8	0.0	360	1.0	1.0	95.8
1050	NW_0750ad	0.8	0.8	0.0	0.0	86.8	0.0	360	1.0	1.0	95.8
1051	NW_0870ad	0.933	0.933	0.0	0.0	95.8	0.0	360	1.0	1.0	95.8
1052	NW_1000ad	1.0	1.0	0.0	0.0	95.8	0.0	360	1.0	1.0	95.8

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

gráfico TUB-QS49; código de tono: H\*d=Y25Gd  
colores y diferencia en color, ΔE\*<sup>\*</sup>

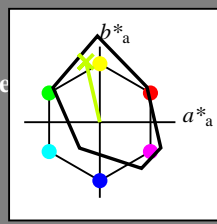


Entrada i salida: Printer Reflective System FRS06a for relative CIELAB hue  $h_{ab,a,rel} = h_{ab}/360 = 102/360 = 0.28$

$H^*_ = Y25G_ -$

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

$HIC^*_$   
código de tono para los colores  
esta página:  
 $H^*_ = Y25G_ -$   
triángulo claridad  $T^*$



**FRS06a; datos adaptados CIELAB (a)**

name	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
R <sub>-,Ma</sub>	32.5	62.3	46.4	77.7	36
Y <sub>-,Ma</sub>	82.7	-3.1	113.9	114.0	91
G <sub>-,Ma</sub>	39.4	-61.8	45.8	76.9	143
C <sub>-,Ma</sub>	47.8	-26.8	-34.2	43.4	231
B <sub>-,Ma</sub>	10.1	55.1	-61.0	82.2	312
M <sub>-,Ma</sub>	34.5	80.6	-33.9	87.5	337
N <sub>-,Ma</sub>	6.2	0.0	0.0	0.0	0
W <sub>-,Ma</sub>	91.9	0.0	0.0	0.0	0
R <sub>-,CIE</sub>	39.9	58.7	27.9	65.0	25
Y <sub>-,CIE</sub>	81.2	-2.8	71.5	71.6	92
G <sub>-,CIE</sub>	52.2	-42.4	13.6	44.5	162
B <sub>-,CIE</sub>	30.5	1.4	-46.4	46.4	271

Los datos de color máximo (Ma):

$LabCh^*_{-,Ma}$ : 83 -18 79 81 102

$HIC^*_{-,Ma}$ : Y25G\_100\_100\_

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

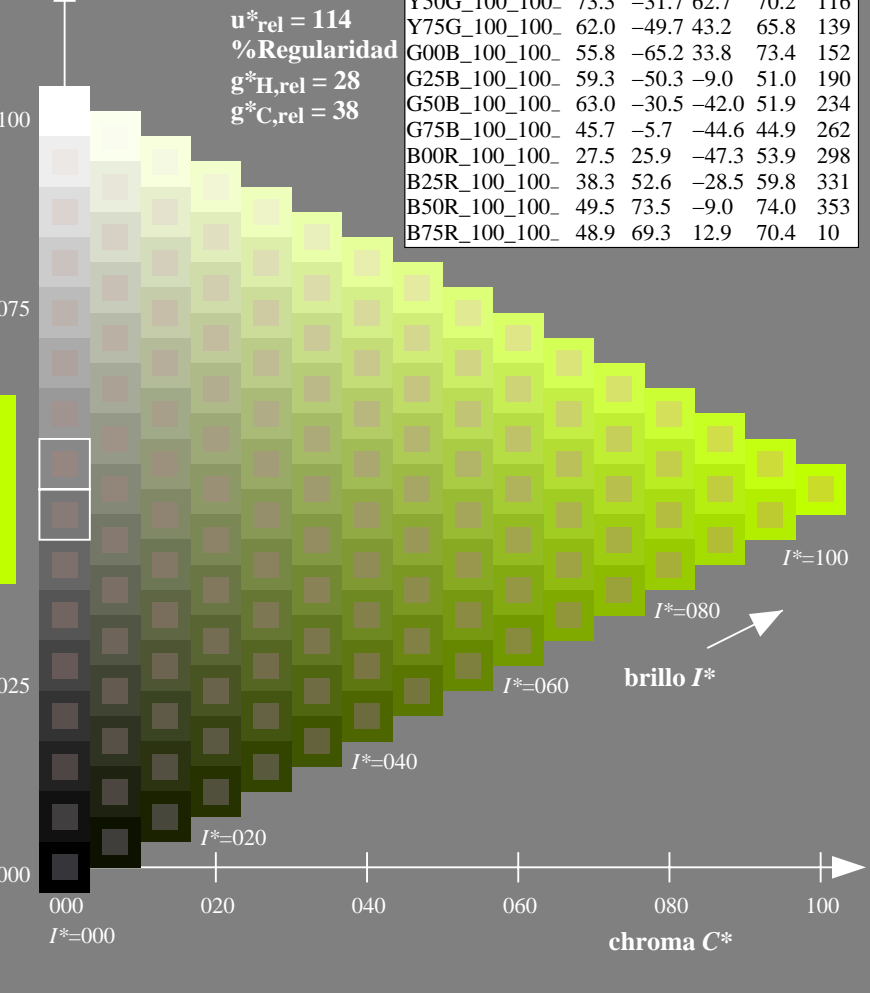
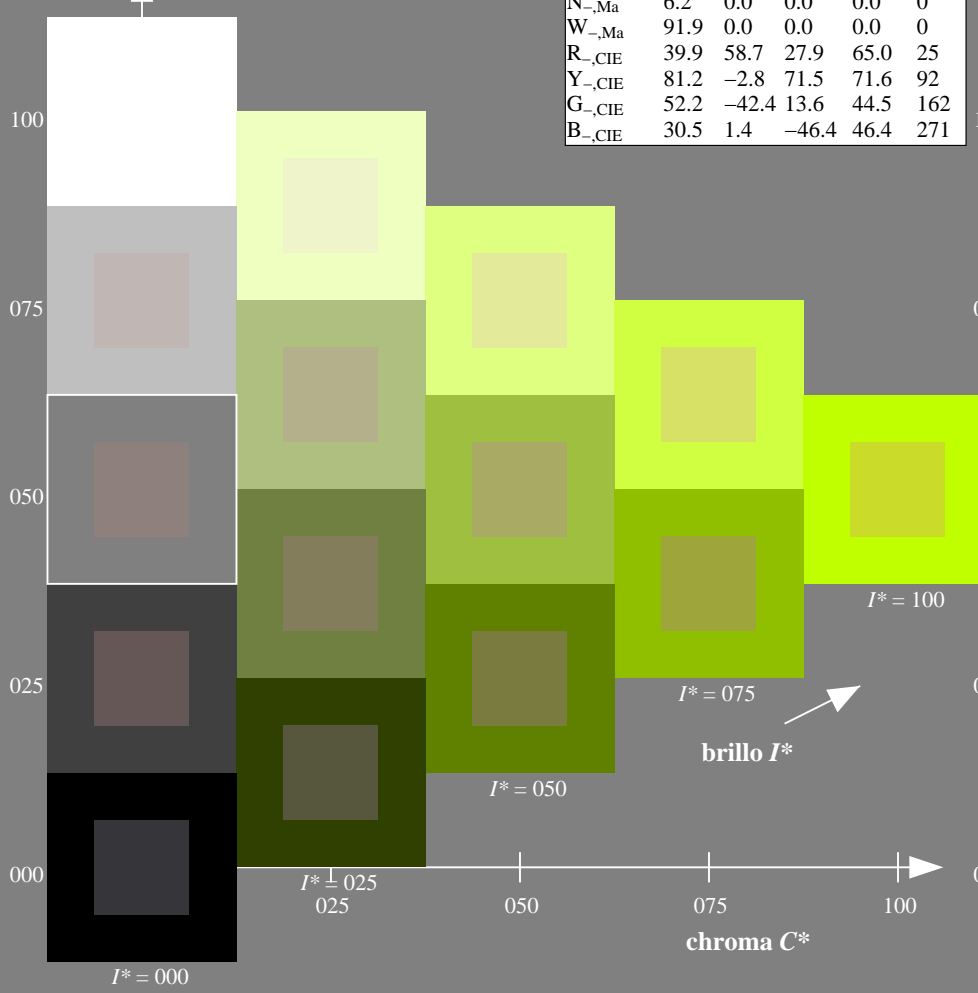
0.76 1.0 0.0 1.0 1.0

triángulo claridad  $T^*$

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

**ORS20a; datos adaptados CIELAB (a)**

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



vea archivos semejantes: <http://130.149.60.45/~farbmetrik/QS49/QS49.HTM>  
información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

TUB matrícula: 20130201-QS49/QS49L0FP.PDF /.PS  
aplicación para la medida salida de impresora láser

TUB material: code=rh4ta

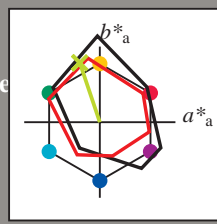


Entrada i salida: Printer Reflective System FRS06a for relative CIELAB hue  $h_{ab,a,rel} = h_{ab}/360 = 108/360 = 0.3$

$H^*_e = Y25G_e$

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

$HIC^*_e$   
código de tono para los colores  
esta página:  
 $H^*_e = Y25G_e$   
triángulo claridad  $T^*$



**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

Los datos de color máximo (Ma):

$LabCh^*_{e, Ma}: 85 \ -26 \ 78 \ 82 \ 108$

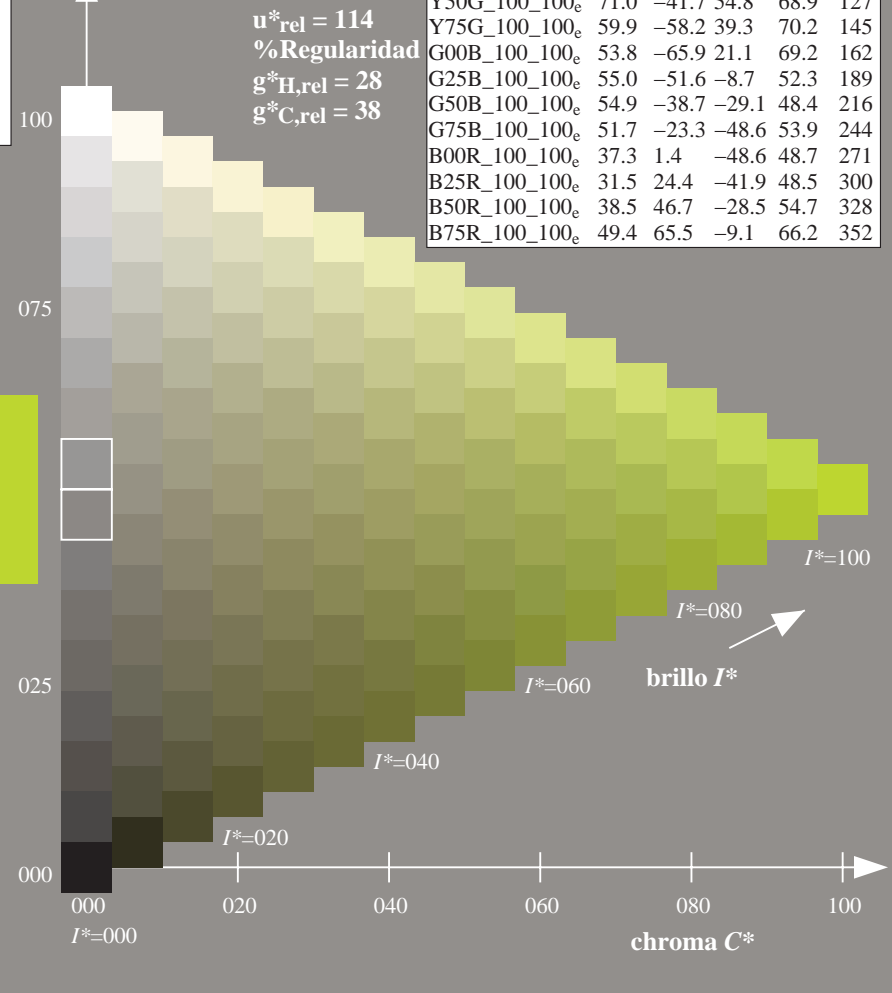
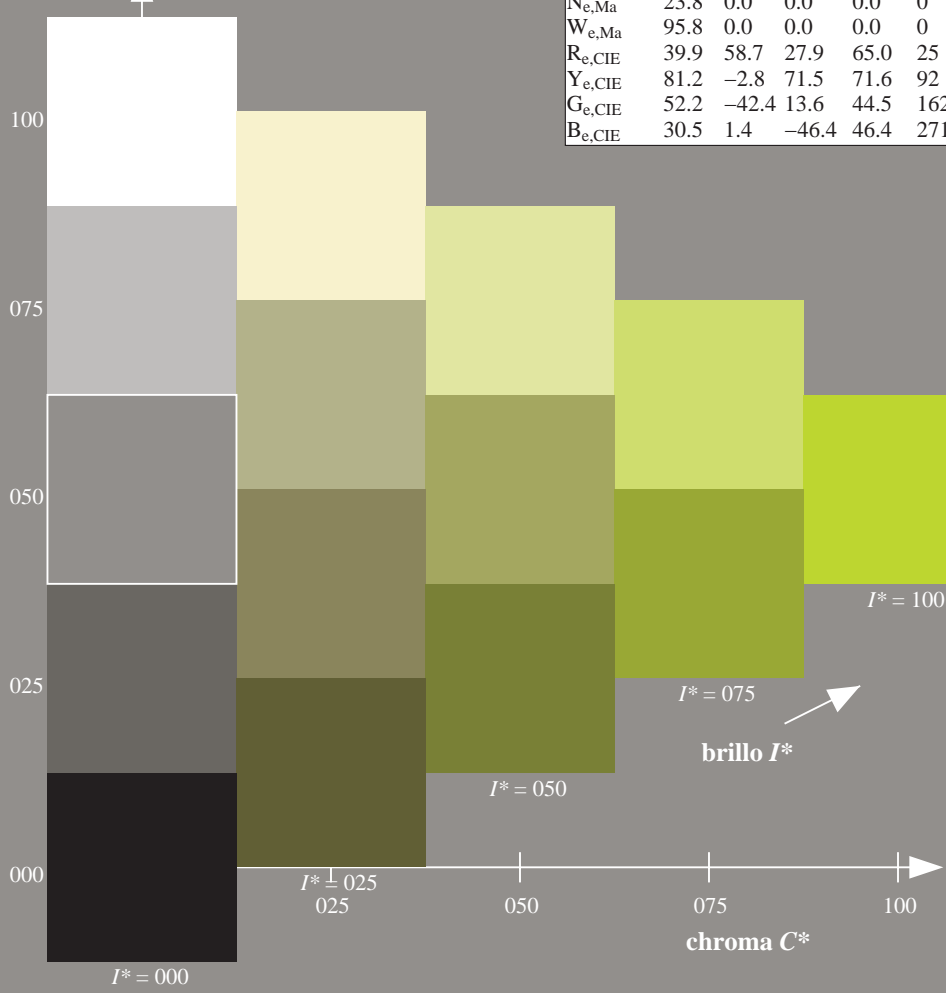
$HIC^*_{e, Ma}: Y25G\_100\_100_e$

$rgbic^*_{e, Ma}: 0.69 \ 1.0 \ 0.0 \ 1.0 \ 1.0$

triángulo claridad  $T^*$

**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



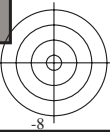
vea archivos semejantes: <http://130.149.60.45/~farbmetrik/QS49/QS49.HTM>  
información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

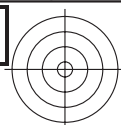
TUB matrícula: 20130201-QS49/QS49L0FP.PDF /.PS  
aplicación para la medida salida de impresora láser, separación cmykn6\* (CMYK)

TUB material: code=rh4ta

gráfico TUB-QS49; código de tono:  $H^*_e=Y25G_e$   
gráfico según a DIN 33872, 3D=1, de=1,  $cmyk^*$

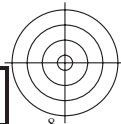
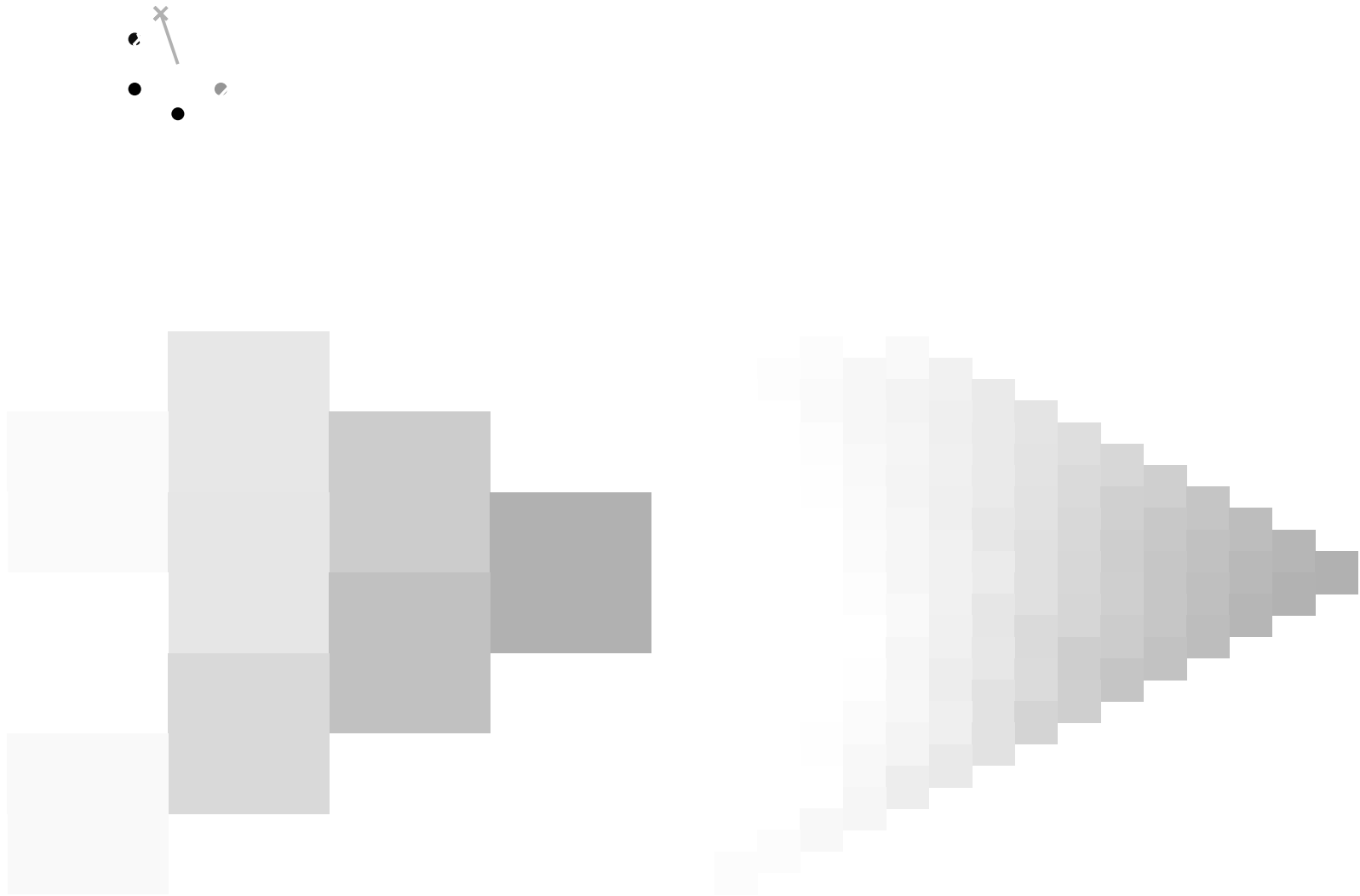
entrada:  $rgb/cmyk \rightarrow rgb_{de}$   
salida: 3D-linealización a  $cmyk^*_{de}$





vea archivos semejantes: <http://130.149.60.45/~farbmetrik/QS49/QS49L0FP.PDF> / .PS; 3D-linealización  
información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

TUB matrícula: 20130201-QS49/QS49L0FP.PDF /.PS TUB material: code=rh4ta  
aplicación para la medida salida de impresora láser, separación cmyk\* (CMYK)



2-113230-L0 QS490-73

gráfico TUB-QS49; código de tono:  $H^*_e=Y25G_e$   
gráfico según a DIN 33872, 3D=1, de=1, *cmyk\**

entrada: *rgb/cmyk*  $\rightarrow$  *rgb*<sub>de</sub>  
salida: 3D-linealización a *cmyk\**<sub>de</sub>

2=113230-F0



Entrada i salida: Printer Reflective System FRS06a for relative CIELAB hue  $h_{ab,a,rel} = h_{ab}/360 = 108/360 = 0,3$

$H^*_e = Y25G_e$

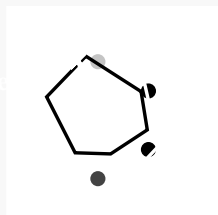
Datos del dispositivo (d) o elemental (e) color:

$HIC^*_e$

código de tono para los colores de esta página:

$H^*_e = Y25G_e$

triángulo claridad  $T^*$



Los datos de color máximo (Ma):

$LabCh^*_{e, Ma}$ : 85 -26 78 82 108

$HIC^*_{e, Ma}$ : Y25G\_100\_100\_e

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

0.69 1.0 0.0 1.0 1.0

triángulo claridad  $T^*$

%Gamma

$u^*_{rel} = 114$

%Regularidad

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

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



vea archivos semejantes: <http://130.149.60.45/~farbmetrik/QS49/QS49L0FP.PDF> / .PS  
información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

TUB matrícula: 20130201-QS49/QS49L0FP.PDF /.PS  
aplicación para la medida salida de impresora láser, separación cmykn6\* (CMYK)

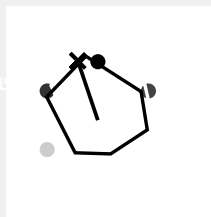
TUB material: code=rh4ta

Entrada i salida: Printer Reflective System FRS06a for relative CIELAB hue  $h_{ab,a,rel} = h_{ab}/360 = 108/360 = 0.3$

$H^*_e = Y25G_e$

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

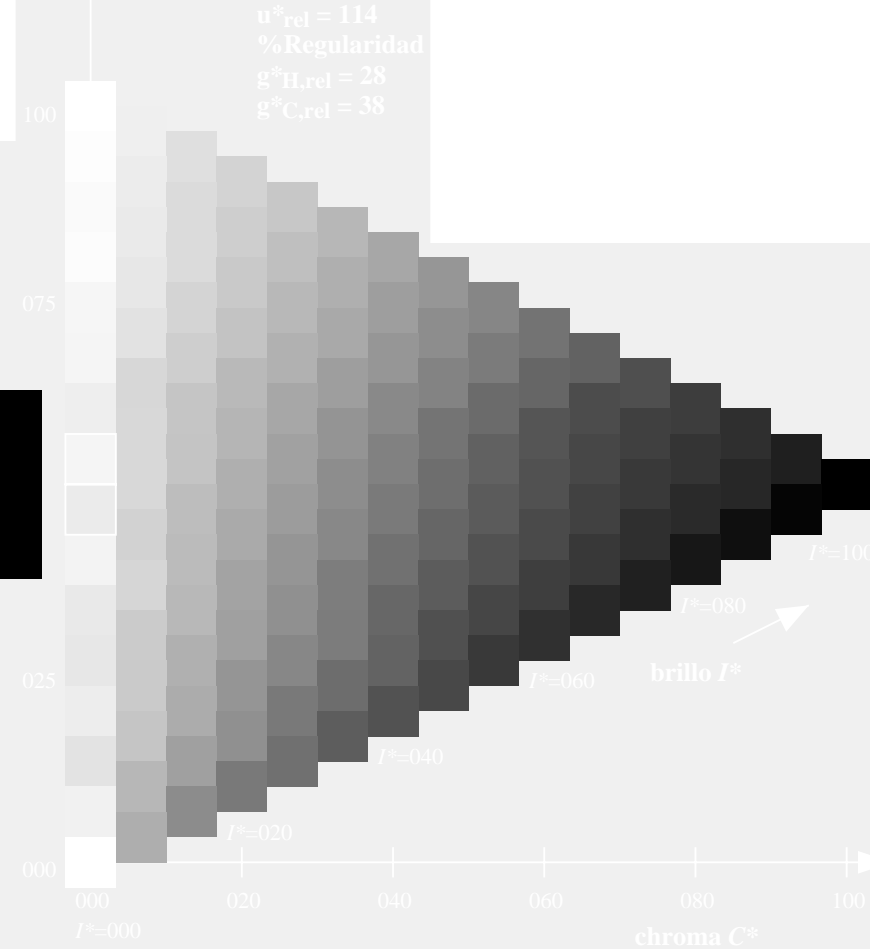
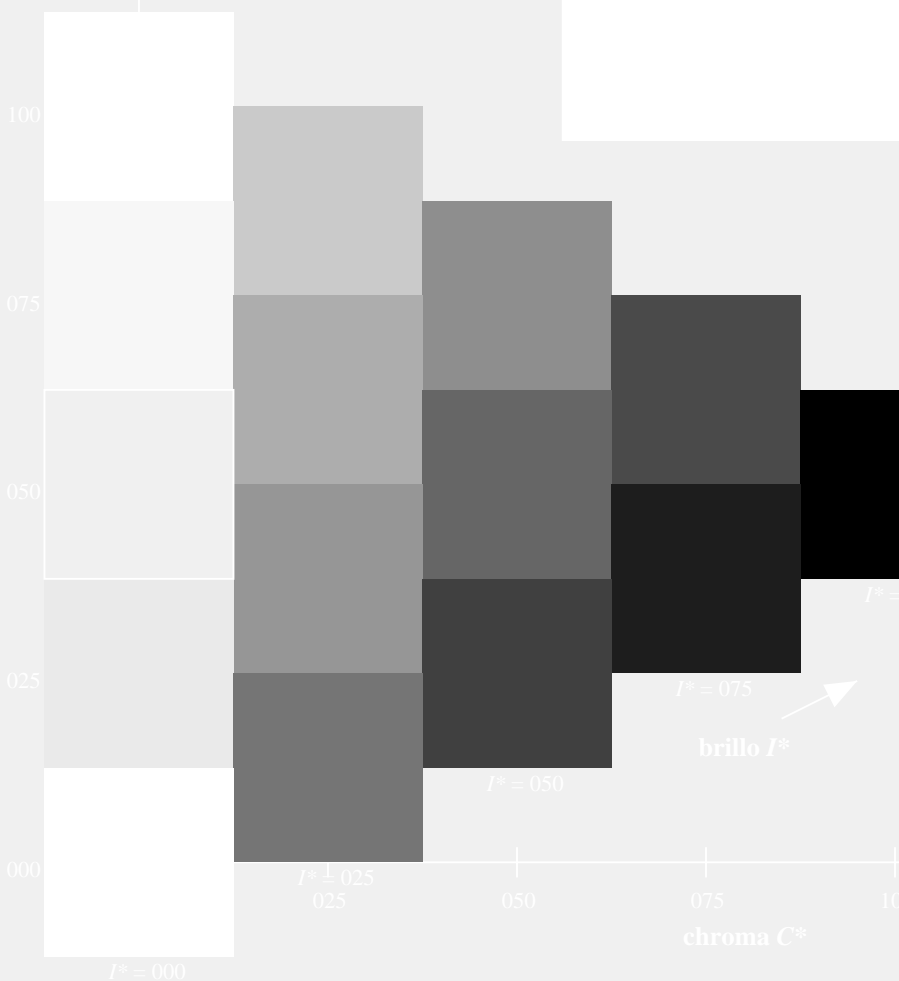
$HIC^*_e$   
código de tono para los colores  
esta página:  
 $H^*_e = Y25G_e$   
triángulo claridad  $T^*$



Los datos de color máximo (Ma):

$LabCh^*_{e, Ma}$ : 85 -26 78 82 108  
 $HIC^*_{e, Ma}$ : Y25G\_100\_100\_e  
 $rgbic^*_{e, Ma}$ :  
0.69 1.0 0.0 1.0 1.0  
triángulo claridad  $T^*$

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



vea archivos semejantes: <http://130.149.60.45/~farbmetrik/QS49/QS49.HTM>  
información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

TUB matrícula: 20130201-QS49/QS49L0FP.PDF /.PS  
aplicación para la medida salida de impresora láser, separación cmykn6\* (CMYK)

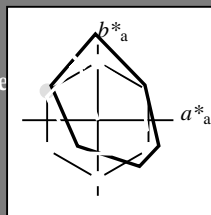
TUB material: code=rh4ta

Entrada i salida: Printer Reflective System FRS06a for relative CIELAB hue  $h_{ab,a,rel} = h_{ab}/360 = 108/360 = 0.3$

$H^*_e = Y25G_e$

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

$HIC^*_e$   
 código de tono para los colores  
 esta página:  
 $H^*_e = Y25G_e$   
 triángulo claridad  $T^*$



**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

Los datos de color máximo (Ma):

$LabCh^*_{e, Ma}$ : 85 -26 78 82 108

$HIC^*_{e, Ma}$ : Y25G\_100\_100\_e

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

0.69 1.0 0.0 1.0 1.0

triángulo claridad  $T^*$

%Gama

$u^*_{rel} = 114$

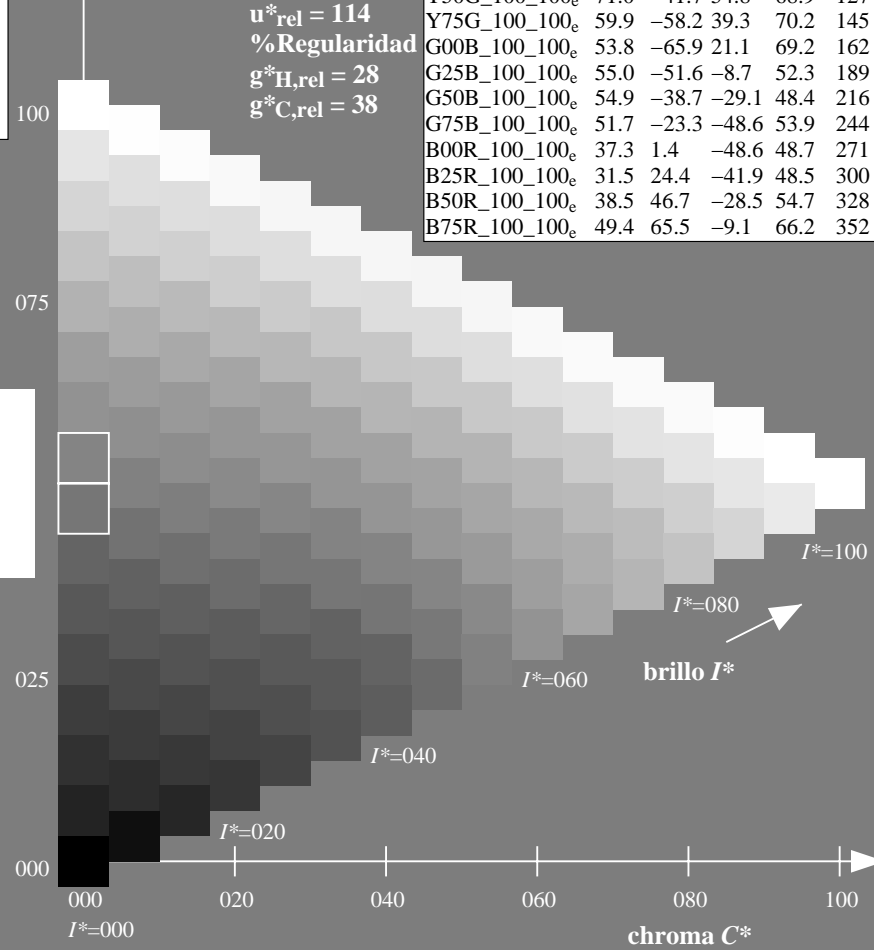
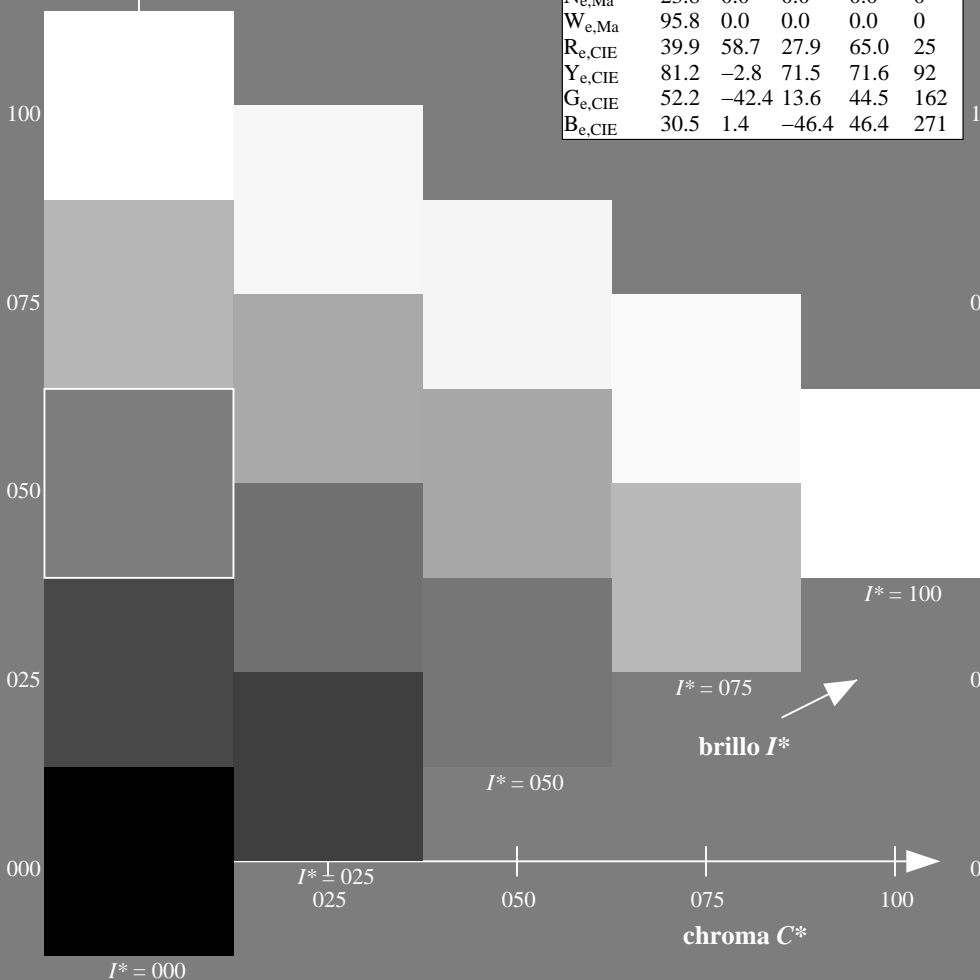
%Regularidad

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

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

**LRS18a; datos adaptados CIELAB (a)**

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



vea archivos semejantes: <http://130.149.60.45/~farbmetrik/QS49/QS49L0FP.PDF> / .PS; 3D-linealización  
 información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

TUB matrícula: 20130201-QS49/QS49L0FP.PDF /.PS  
 aplicación para la medida salida de impresora láser, separación cmyk\* (CMYK)

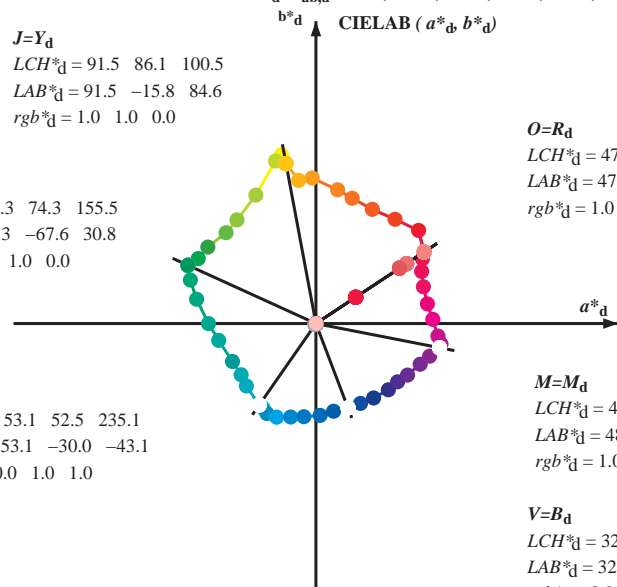
TUB material: code=rh4ta

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

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

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

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



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

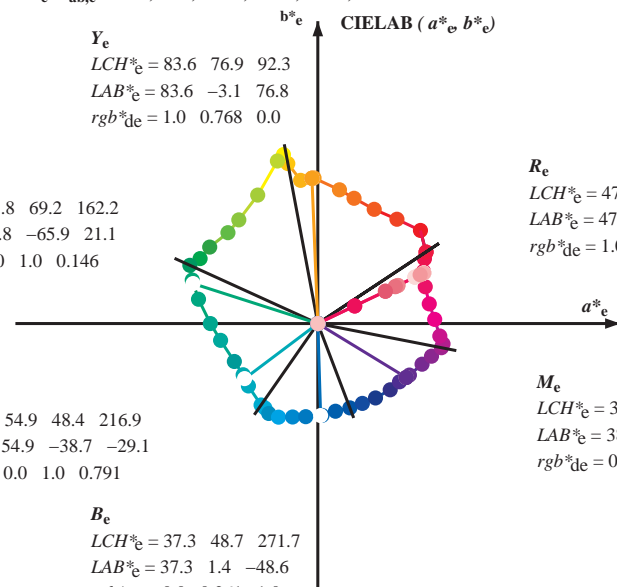
$M=M_d$   
 $LCH^*_d = 48.1 \ 66.6 \ 348.9$   
 $LAB^*_d = 48.1 \ 65.4 \ -12.7$   
 $rgb^*_d = 1.0 \ 0.0 \ 1.0$

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

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

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

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



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

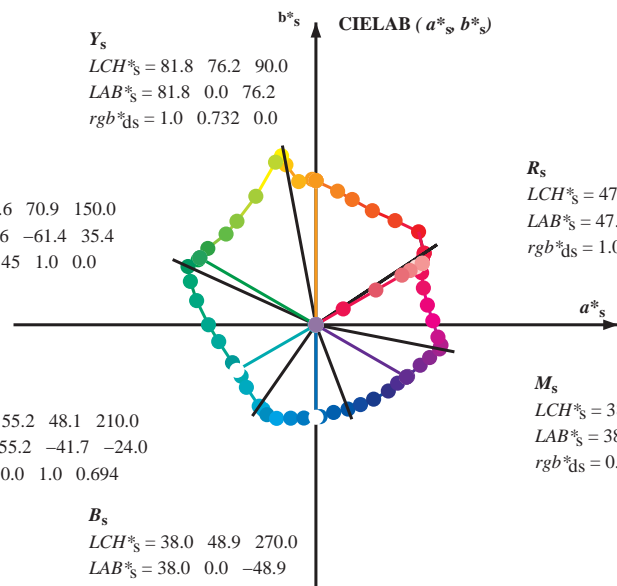
$M_e$   
 $LCH^*_e = 38.5 \ 54.7 \ 328.6$   
 $LAB^*_e = 38.5 \ 46.7 \ -28.5$   
 $rgb^*_{de} = 0.584 \ 0.0 \ 1.0$

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

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

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

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



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

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

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

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

$rgb^*_e, LCH^*_e, LAB^*_e$

$h_{ab}, rgb^*_e$

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

$h_{ab,s}$

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

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

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

$h_{ab,e}$

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

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

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

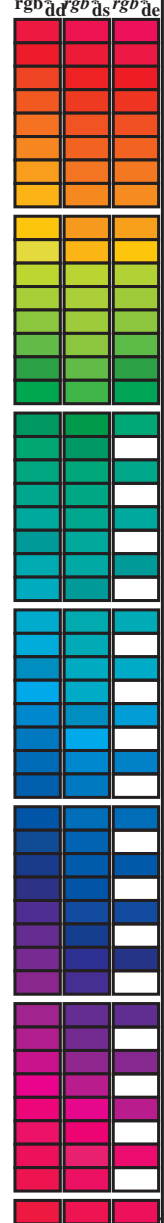
$h_{ab}, h_{ab,d}$

$rgb^*_{de}$



Data of maximum color M in colorimetric system Laser printer output; separation cmy<sup>6</sup>\*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM<sub>6</sub>; h<sub>ab,ds</sub> = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;  
 Six hue angles of the device colours RYGBM<sub>d</sub>; h<sub>ab,d</sub> = 33.5, 100.6, 155.5, 235.2, 290.8, 348.9; Six hue angles of the elementary colours RYGBM<sub>e</sub>; h<sub>ab,e</sub> = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

h <sub>ab,d</sub>	h <sub>ab,s</sub>	h <sub>ab,e</sub>	rgb <sup>6</sup> * dd64M	LAB* ddx64M (x=LabCh)	rgb <sup>6</sup> * ddx361M	LAB* ddx361M (x=LabCh)	rgb <sup>6</sup> * dsx361M	LAB* dsx361M (x=LabCh)	rgb <sup>6</sup> * 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 0.0	47.6 57.2 37.9 68.6 33	1.0 0.0 0.158 47.7	56.3 32.5 65.0 30	1.0 0.0 0.263 47.6	56.1 26.7 62.1 25
42.1	37.5	33.8	1.0 0.125 0.0	51.9 54.3 49.2 73.2 42.1	1.0 0.117 0.0	51.7 54.6 48.5 73.0 41	1.0 0.005 0.0	49.4 56.3 42.4 70.5 37	1.0 0.0 0.012 47.6	57.2 37.5 68.4 33
52.8	45.0	42.1	1.0 0.25 0.0	58.2 41.8 55.1 69.2 52.8	1.0 0.25 0.0	58.3 41.8 55.2 69.2 52	1.0 0.158 0.0	53.6 51.1 51.1 72.2 45	1.0 0.125 0.0	52.0 54.3 49.2 73.2 42
63.7	52.5	50.5	1.0 0.375 0.0	64.6 29.8 60.4 67.3 63.7	1.0 0.367 0.0	64.2 30.6 60.1 67.5 63	1.0 0.24 0.0	57.8 42.8 54.8 69.6 52	1.0 0.216 0.0	56.6 45.2 53.9 70.3 49
73.8	60.0	58.8	1.0 0.5 0.0	70.5 19.2 66.2 69.0 73.8	1.0 0.5 0.0	70.5 19.2 66.3 69.0 73	1.0 0.332 0.0	62.5 34.0 58.9 68.0 60	1.0 0.32 0.0	61.8 35.2 58.4 68.2 58
80.7	67.5	67.2	1.0 0.625 0.0	74.9 11.4 70.7 71.6 80.7	1.0 0.617 0.0	74.6 12.0 70.5 71.5 80	1.0 0.416 0.0	66.6 26.5 62.5 67.9 67	1.0 0.412 0.0	66.4 26.9 62.3 67.9 66
91.5	75.0	75.6	1.0 0.75 0.0	82.9 -2.0 76.9 77.0 91.5	1.0 0.75 0.0	83.0 -1.9 77.0 77.0 -268	1.0 0.521 0.0	71.3 18.0 67.1 69.5 75	1.0 0.532 0.0	71.6 17.3 67.5 69.7 75
96.8	82.5	83.9	1.0 0.875 0.0	87.6 -9.0 75.7 76.3 96.8	1.0 0.867 0.0	87.3 -8.5 75.9 76.4 96	1.0 0.639 0.0	75.8 10.1 71.6 72.3 82	1.0 0.655 0.0	76.9 8.4 72.5 73.0 83
100.5	90.0	92.3	1.0 1.0 0.0	91.5 -15.8 84.6 86.1 100.5	1.0 1.0 0.0	91.6 -15.7 84.7 86.2 100	1.0 0.732 0.0	81.8 0.0 76.3 76.3 90	1.0 0.769 0.0	83.7 -3.0 76.8 76.9 92
101.4	97.5	101.0	0.875 1.0 0.0	92.8 -18.1 89.4 91.2 101.4	0.883 1.0 0.0	92.7 -17.9 89.1 90.9 101	1.0 0.88 0.0	87.8 -9.3 76.2 76.7 97	1.0 0.996 0.0	91.5 -15.5 84.4 85.8 100
103.9	105.0	109.7	0.75 1.0 0.0	90.1 -21.3 86.0 88.6 103.9	0.75 1.0 0.0	90.1 -21.3 86.0 88.7 103	0.738 1.0 0.0	89.2 -22.5 84.4 87.4 105	0.684 1.0 0.0	84.7 -27.5 76.7 81.5 109
115.0	112.5	118.5	0.625 1.0 0.0	79.9 -31.7 67.9 75.0 115.0	0.633 1.0 0.0	80.6 -31.1 69.2 75.9 114	0.659 1.0 0.0	82.7 -29.4 73.0 78.8 112	0.595 1.0 0.0	77.8 -34.4 65.0 73.6 117
127.3	120.0	127.2	0.5 1.0 0.0	70.9 -41.7 54.8 68.9 127.3	0.5 1.0 0.0	71.0 -41.7 54.8 68.9 127	0.574 1.0 0.0	76.3 -36.2 62.8 72.6 120	0.501 1.0 0.0	71.0 -41.6 54.9 68.9 127
134.7	127.5	136.0	0.375 1.0 0.0	66.5 -47.5 48.0 67.6 134.7	0.383 1.0 0.0	66.9 -47.1 48.5 67.7 134	0.503 1.0 0.0	71.2 -41.5 55.2 69.1 127	0.366 1.0 0.0	66.2 -48.2 47.6 67.8 135
144.7	135.0	144.7	0.25 1.0 0.0	60.6 -57.2 40.4 70.1 144.7	0.25 1.0 0.0	60.6 -57.2 40.5 70.1 144	0.372 1.0 0.0	66.4 -47.8 47.9 67.7 135	0.25 1.0 0.0	60.6 -57.1 40.5 70.1 144
151.0	142.5	153.4	0.125 1.0 0.0	57.0 -62.2 34.4 71.1 151.0	0.133 1.0 0.0	57.3 -61.8 34.8 71.0 150	0.284 1.0 0.0	62.3 -54.6 42.7 69.4 142	0.073 1.0 0.0	55.9 -64.4 33.0 72.5 152
155.5	150.0	162.2	0.0 1.0 0.0	54.3 -67.6 30.8 74.3 155.5	0.0 1.0 0.0	54.3 -67.6 30.8 74.4 155	0.146 1.0 0.0	57.6 -61.3 35.5 70.9 150	0.0 1.0 0.147 53.8	-65.9 21.1 69.3 162
160.8	157.5	169.0	0.0 1.0 0.125 53.8	-66.4 23.0 70.2 160.8	0.0 1.0 0.117 53.9	-66.4 23.5 70.6 160	0.0 1.0 0.035 54.2	-67.3 28.6 73.2 157	0.0 1.0 0.251 53.8	-63.0 12.7 64.4 168
168.5	165.0	175.9	0.0 1.0 0.25 53.7	-63.1 12.8 64.4 168.5	0.0 1.0 0.25 53.8	-63.1 12.8 64.4 168	0.0 1.0 0.192 53.8	-64.7 17.4 67.1 165	0.0 1.0 0.331 54.4	-59.3 4.2 59.5 175
179.9	172.5	182.7	0.0 1.0 0.375 54.7	-56.8 0.0 56.8 179.9	0.0 1.0 0.367 54.7	-57.2 0.8 57.3 179	0.0 1.0 0.288 54.1	-61.4 8.6 62.1 172	0.0 1.0 0.405 54.8	-55.6 -2.1 55.7 182
189.8	180.0	189.6	0.0 1.0 0.5 55.0	-51.4 -8.9 52.2 189.8	0.0 1.0 0.5 55.0	-51.4 -8.8 52.2 189	0.0 1.0 0.375 54.8	-56.7 0.0 56.8 180	0.0 1.0 0.497 55.0	-51.5 -8.6 52.3 189
204.4	187.5	196.4	0.0 1.0 0.625 55.3	-44.1 -20.0 48.5 204.4	0.0 1.0 0.617 55.3	-44.6 -19.3 48.8 203	0.0 1.0 0.464 55.0	-53.0 -6.4 53.5 187	0.0 1.0 0.553 55.2	-48.6 -13.9 50.7 195
214.4	195.0	203.2	0.0 1.0 0.75 55.2	-39.5 -27.1 47.9 214.4	0.0 1.0 0.75 55.2	-39.4 -27.0 47.9 214	0.0 1.0 0.544 55.2	-49.1 -13.1 50.9 195	0.0 1.0 0.615 55.3	-44.7 -19.2 48.8 203
221.9	202.5	210.1	0.0 1.0 0.875 54.4	-36.7 -33.0 49.4 221.9	0.0 1.0 0.867 54.5	-36.9 -32.6 49.4 221	0.0 1.0 0.604 55.3	-45.5 -18.3 49.1 202	0.0 1.0 0.69 55.3	-41.8 -23.8 48.2 209
235.1	210.0	216.9	0.0 1.0 1.0 53.1	-30.0 -43.1 52.5 235.1	0.0 1.0 1.0 53.1	-29.9 -43.0 52.5 235	0.0 1.0 0.694 55.3	-41.6 -24.0 48.2 210	0.0 1.0 0.792 55.0	-38.6 -29.0 48.4 216
237.9	217.5	223.8	0.0 0.875 1.0 53.1	-27.9 -44.7 52.7 237.9	0.0 0.883 1.0 53.1	-28.0 -44.5 52.8 237	0.0 1.0 0.792 55.0	-38.6 -29.1 48.5 217	0.0 1.0 0.888 54.3	-36.1 -34.1 49.8 223
241.3	225.0	230.6	0.0 0.75 1.0 52.9	-25.9 -47.5 54.1 241.3	0.0 0.75 1.0 52.9	-25.8 -47.5 54.2 241	0.0 1.0 0.904 54.2	-35.4 -35.4 50.2 225	0.0 1.0 0.957 53.6	-32.5 -39.7 51.5 230
247.2	232.5	237.5	0.0 0.625 1.0 50.5	-20.8 -49.5 53.7 247.2	0.0 0.633 1.0 50.7	-21.1 -49.3 53.8 246	0.0 1.0 0.97 53.5	-31.8 -40.7 51.8 232	0.0 0.916 1.0 53.1	-28.6 -44.1 52.7 237
254.9	240.0	244.3	0.0 0.5 1.0 46.1	-13.3 -49.4 51.1 254.9	0.0 0.5 1.0 46.2	-13.2 -49.3 51.2 254	0.0 0.801 1.0 53.0	-26.7 -46.3 53.6 240	0.0 0.686 1.0 51.7	-23.3 -48.5 54.0 244
262.6	247.5	251.2	0.0 0.375 1.0 41.4	-6.3 -49.2 49.6 262.6	0.0 0.383 1.0 41.7	-6.7 -49.2 49.8 262	0.0 0.63 1.0 50.7	-20.9 -49.4 53.8 247	0.0 0.568 1.0 48.6	-17.2 -49.5 52.6 250
272.6	255.0	258.0	0.0 0.25 1.0 36.8	2.2 -48.5 48.6 272.6	0.0 0.25 1.0 36.9	2.2 -48.5 48.6 272	0.0 0.499 1.0 46.1	-13.1 -49.3 51.2 255	0.0 0.449 1.0 44.2	-10.4 -49.4 50.6 258
281.4	262.5	264.8	0.0 0.125 1.0 35.0	9.4 -46.3 47.3 281.4	0.0 0.133 1.0 35.2	8.9 -46.5 47.4 280	0.0 0.386 1.0 41.8	-6.8 -49.2 49.8 262	0.0 0.353 1.0 40.6	-4.7 -49.2 49.5 264
290.8	270.0	271.7	0.0 0.0 1.0 32.5	16.9 -44.6 47.7 290.8	0.0 0.0 1.0 32.6	16.9 -44.5 47.7 290	0.0 0.283 1.0 38.1	0.0 -48.8 48.9 270	0.0 0.261 1.0 37.3	1.5 -48.6 48.7 271
299.2	277.5	278.8	0.125 0.0 1.0 31.6	23.6 -42.2 48.4 299.2	0.117 0.0 1.0 31.7	23.2 -42.3 48.4 298	0.0 0.188 1.0 36.0	5.8 -47.5 48.0 277	0.0 0.169 1.0 35.7	7.0 -47.2 47.8 278
307.8	285.0	285.9	0.25 0.0 1.0 31.0	30.5 -39.3 49.8 307.8	0.25 0.0 1.0 31.0	30.6 -39.3 49.9 307	0.0 0.078 1.0 34.1	12.3 -45.8 47.5 285	0.0 0.065 1.0 33.9	13.1 -45.6 47.5 285
317.5	292.5	293.0	0.375 0.0 1.0 34.2	38.2 -35.0 51.8 317.5	0.367 0.0 1.0 34.0	37.8 -35.3 51.7 316	0.018 0.0 1.0 32.4	17.9 -44.2 47.8 292	0.026 0.0 1.0 32.4	18.4 -44.1 47.9 292
324.4	300.0	300.1	0.5 0.0 1.0 37.2	43.1 -30.8 53.0 324.4	0.5 0.0 1.0 37.2	43.2 -30.8 53.1 324	0.136 0.0 1.0 31.6	24.3 -41.9 48.5 300	0.139 0.0 1.0 31.5	24.4 -41.9 48.6 300
330.6	307.5	307.2	0.625 0.0 1.0 39.1	48.4 -27.2 55.6 330.6	0.617 0.0 1.0 39.0	48.1 -27.4 55.4 330	0.238 0.0 1.0 31.1	29.9 -39.6 49.7 307	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	0.75 0.0 1.0 41.9	55.2 -21.4 59.2 338	0.343 0.0 1.0 33.4	36.3 -36.2 51.4 315	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	0.867 0.0 1.0 45.4	59.8 -17.5 62.4 343	0.456 0.0 1.0 36.2	41.5 -32.3 52.7 322	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	1.0 0.0 1.0 48.2	65.4 -12.7 66.7 348	0.612 0.0 1.0 38.9	47.9 -27.6 55.4 330	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	1.0 0.0 0.883 49.5	66.1 -10.8 67.0 350	0.723 0.0 1.0 41.3	53.8 -22.7 58.4 337	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	1.0 0.0 0.75 49.3	64.6 -6.5 64.9 354	0.902 0.0 1.0 46.2	61.3 -16.3 63.5 345	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 0.633 48.1	62.0 1.6 62.0 361	1.0 0.0 0.83 49.5	65.6 -9.1 66.3 352	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 0.5 47.8	59.0 10.4 59.9 370	1.0 0.0 0.657 48.3	62.6 0.0 62.6 360	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 0.383 47.4	57.0 18.9 60.1 378	1.0 0.0 0.547 47.9	60.2 7.4 60.6 367	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 0.25 47.6	55.9 27.6 62.4 386	1.0 0.0 0.43 47.6	58.0 15.5 60.0 375	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 0.133 47.7	56.4 33.8 65.7 390	1.0 0.0 0.323 47.5	56.6 22.9 61.0 382	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 0.0 47.6	57.2 37.9 68.6 393	1.0 0.0 0.158 47.7	56.3 32.5 65.0 390	1.0 0.0 0.263 47.6	56.1 26.7 62.1 385

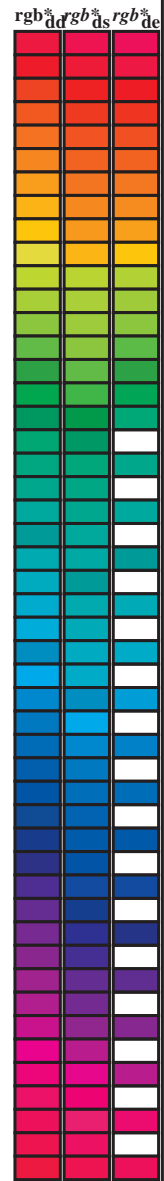


vea archivos semejantes: <http://130.149.60.45/~farbmetrik/QS49/QS49L0FP.PDF> / .PS  
 información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

TUB matrícula: 20130201-QS49/QS49L0FP.PDF /.PS  
 aplicación para la medida salida de impresora láser, separación cmy<sup>6</sup>\* (CMYK)  
 TUB material: code=rh4ta

Data of Maximum color M in colorimetric system Laser printer output; separation cmy<sup>6</sup>\*, D65 for input or output; Six hue angles of the 60 degree standard colours *RYGCBM*<sub>s</sub>: *h*<sub>ab,ds</sub> = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;  
 Six hue angles of the device colours *RYGCBM*<sub>d</sub>: *h*<sub>ab,d</sub> = 33.5, 100.6, 155.5, 235.2, 290.8, 348.9; Six hue angles of the elementary colours *RYGCBM*<sub>e</sub>: *h*<sub>ab,e</sub> = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

<i>h</i> <sub>ab,d</sub>	<i>h</i> <sub>ab,s</sub>	<i>h</i> <sub>ab,e</sub>	<i>rgb</i> <sup>*</sup> <sub>dd64M</sub>	<i>LAB</i> <sup>*</sup> <sub>ddx64M (x=LabCh)</sub>	<i>rgb</i> <sup>*</sup> <sub>dex361M</sub>	<i>LAB</i> <sup>*</sup> <sub>dex361M</sub>
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	0.910 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



vea archivos semejantes: <http://130.149.60.45/~farbmetrik/QS49/QS49L0FP.PDF> / .PS  
 información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

TUB matrícula: 20130201-QS49/QS49L0FP.PDF /.PS  
 aplicación para la medida salida de impresora láser, separación cmy<sup>6</sup>\* (CMYK)  
 TUB material: code=rh4ta

Data of Maximum color M in colorimetric system Laser printer output; separation cmy<sup>6</sup>\*, D65 for input or output; Six hue angles of the 60 degree standard colours RY<sup>6</sup>CBM<sub>c</sub>: h<sub>ab,ds</sub> = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;

Six hue angles of the device colours RY<sup>6</sup>CBM<sub>d</sub>: h<sub>ab,d</sub> = 33.5, 100.6, 155.5, 220.8, 348.9; Six hue angles of the elementary colours RY<sup>6</sup>CBM<sub>e</sub>: h<sub>ab,e</sub> = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

h <sub>ab,d</sub>	h <sub>ab,s</sub>	h <sub>ab,e</sub>	rgb <sup>6</sup> *_dd361M	LAB <sup>6</sup> *_ddx361Mi (x=LabCh)	R <sub>d</sub>	rgb <sup>6</sup> *_ds361Mi	LAB <sup>6</sup> *_dsx361Mi (x=LabCh)	R <sub>s</sub>	rgb <sup>6</sup> *_dd361Mi	LAB <sup>6</sup> *_de361Mi	R <sub>e</sub>	rgb <sup>6</sup> *_dd361Mi	rgb <sup>6</sup> *_ds361Mi	rgb <sup>6</sup> *_de361Mi
33	30	25	1.0 0.0 0.0	47.5 57.2 37.8 68.6 33		1.0 0.0 0.158 47.7 56.3 32.5 65.0 30		1.0 0.0 0.0	1.0 0.0 0.263 47.6 56.1 26.7 62.1 25		1.0 0.0 0.0			
34	31	26	1.0 0.016 0.0	48.1 56.9 39.3 69.2 34		1.0 0.0 0.133 47.7 56.4 33.9 65.8 31		1.0 0.017 0.0	1.0 0.0 0.242 47.6 56.0 28.0 62.6 26		1.0 0.017 0.0			
35	32	27	1.0 0.033 0.0	48.7 56.6 40.8 69.8 35		1.0 0.0 0.085 47.7 56.7 35.4 66.8 32		1.0 0.033 0.0	1.0 0.0 0.214 47.6 56.1 29.5 63.4 27		1.0 0.033 0.0			
36	33	28	1.0 0.05 0.0	49.3 56.3 42.3 70.4 36		1.0 0.0 0.028 47.6 57.1 37.0 68.0 33		1.0 0.05 0.0	1.0 0.0 0.187 47.6 56.2 30.9 64.2 28		1.0 0.05 0.0			
38	34	29	1.0 0.066 0.0	49.9 55.9 43.9 71.1 38		1.0 0.007 0.0 47.8 57.1 38.5 68.9 34		1.0 0.067 0.0	1.0 0.0 0.159 47.7 56.3 32.4 65.0 29		1.0 0.067 0.0			
39	35	31	1.0 0.083 0.0	50.5 55.5 45.4 71.7 39		1.0 0.022 0.0 48.4 56.9 39.8 69.4 35		1.0 0.083 0.0	1.0 0.0 0.132 47.7 56.4 33.9 65.8 31		1.0 0.083 0.0			
40	36	32	1.0 0.1 0.0	51.0 55.0 46.9 72.3 40		1.0 0.036 0.0 48.9 56.6 41.1 70.0 36		1.0 0.1 0.0	1.0 0.0 0.076 47.6 56.7 35.7 67.0 32		1.0 0.1 0.0			
41	37	33	1.0 0.116 0.0	51.6 54.5 48.4 72.9 41		1.0 0.05 0.0 49.4 56.3 42.4 70.5 37		1.0 0.117 0.0	1.0 0.0 0.012 47.6 57.2 37.5 68.4 33		1.0 0.117 0.0			
42	38	34	1.0 0.133 0.0	52.3 53.4 49.7 73.0 42		1.0 0.065 0.0 49.9 56.0 43.7 71.0 38		1.0 0.133 0.0	1.0 0.013 0.0 48.0 57.0 39.0 69.1 34		1.0 0.133 0.0			
44	39	35	1.0 0.15 0.0	53.2 51.8 50.6 72.4 44		1.0 0.079 0.0 50.4 55.6 45.0 71.6 39		1.0 0.15 0.0	1.0 0.029 0.0 48.6 56.7 40.5 69.7 35		1.0 0.15 0.0			
45	40	36	1.0 0.166 0.0	54.0 50.2 51.5 71.9 45		1.0 0.094 0.0 50.9 55.2 46.4 72.1 40		1.0 0.167 0.0	1.0 0.045 0.0 49.2 56.4 41.9 70.3 36		1.0 0.167 0.0			
47	41	37	1.0 0.183 0.0	54.9 48.5 52.3 71.4 47		1.0 0.108 0.0 51.4 54.8 47.7 72.7 41		1.0 0.183 0.0	1.0 0.061 0.0 49.7 56.1 43.4 70.9 37		1.0 0.183 0.0			
48	42	38	1.0 0.2 0.0	55.7 46.8 53.1 70.8 48		1.0 0.122 0.0 51.9 54.4 49.0 73.2 42		1.0 0.2 0.0	1.0 0.077 0.0 50.3 55.7 44.8 71.5 38		1.0 0.2 0.0			
50	43	39	1.0 0.216 0.0	56.6 45.2 53.8 70.3 50		1.0 0.134 0.0 52.5 53.4 49.8 73.0 43		1.0 0.217 0.0	1.0 0.093 0.0 50.8 55.3 46.3 72.1 39		1.0 0.217 0.0			
51	44	41	1.0 0.233 0.0	57.4 43.5 54.5 69.7 51		1.0 0.146 0.0 53.0 52.2 50.4 72.6 44		1.0 0.233 0.0	1.0 0.109 0.0 51.4 54.8 47.8 72.7 41		1.0 0.233 0.0			
52	45	42	1.0 0.25 0.0	58.2 41.8 55.1 69.2 52		1.0 0.158 0.0 53.6 51.1 51.1 72.2 45		1.0 0.25 0.0	1.0 0.125 0.0 52.0 54.3 49.2 73.3 42		1.0 0.25 0.0			
54	46	43	1.0 0.266 0.0	59.1 40.2 56.0 69.0 54		1.0 0.17 0.0 54.2 49.9 51.7 71.8 46		1.0 0.267 0.0	1.0 0.138 0.0 52.6 53.0 50.0 72.9 43		1.0 0.267 0.0			
55	47	44	1.0 0.283 0.0	59.9 38.6 56.8 68.7 55		1.0 0.181 0.0 54.8 48.7 52.3 71.5 47		1.0 0.283 0.0	1.0 0.151 0.0 53.3 51.8 50.7 72.4 44		1.0 0.283 0.0			
57	48	45	1.0 0.3 0.0	60.8 37.1 57.5 68.5 57		1.0 0.193 0.0 55.4 47.6 52.8 71.1 48		1.0 0.3 0.0	1.0 0.164 0.0 54.0 50.5 51.4 72.0 45		1.0 0.3 0.0			
58	49	46	1.0 0.316 0.0	61.6 35.5 58.2 68.2 58		1.0 0.205 0.0 56.0 46.4 53.4 70.7 49		1.0 0.317 0.0	1.0 0.177 0.0 54.6 49.2 52.1 71.6 46		1.0 0.317 0.0			
60	50	47	1.0 0.333 0.0	62.5 33.9 58.9 68.0 60		1.0 0.217 0.0 56.6 45.2 53.9 70.3 50		1.0 0.333 0.0	1.0 0.19 0.0 55.3 47.9 52.7 71.2 47		1.0 0.333 0.0			
61	51	48	1.0 0.35 0.0	63.3 32.2 59.5 67.7 61		1.0 0.228 0.0 57.2 44.0 54.4 69.9 51		1.0 0.35 0.0	1.0 0.203 0.0 55.9 46.5 53.3 70.8 48		1.0 0.35 0.0			
63	52	49	1.0 0.366 0.0	64.2 30.6 60.1 67.5 63		1.0 0.24 0.0 57.8 42.8 54.8 69.6 52		1.0 0.367 0.0	1.0 0.216 0.0 56.6 45.2 53.9 70.3 49		1.0 0.367 0.0			
64	53	51	1.0 0.383 0.0	65.0 29.1 60.8 67.4 64		1.0 0.252 0.0 58.4 41.7 55.3 69.2 53		1.0 0.383 0.0	1.0 0.23 0.0 57.3 43.9 54.4 69.9 51		1.0 0.383 0.0			
65	54	52	1.0 0.4 0.0	65.8 27.8 61.7 67.7 65		1.0 0.263 0.0 59.0 40.6 55.9 69.1 54		1.0 0.4 0.0	1.0 0.243 0.0 57.9 42.6 54.9 69.5 52		1.0 0.4 0.0			
67	55	53	1.0 0.416 0.0	66.6 26.4 62.5 67.9 67		1.0 0.275 0.0 59.6 39.5 56.4 68.9 55		1.0 0.417 0.0	1.0 0.256 0.0 58.6 41.3 55.5 69.2 53		1.0 0.417 0.0			
68	56	54	1.0 0.433 0.0	67.3 25.0 63.3 68.1 68		1.0 0.288 0.0 60.1 38.4 57.0 68.7 56		1.0 0.433 0.0	1.0 0.268 0.0 59.2 40.1 56.1 69.0 54		1.0 0.433 0.0			
69	57	55	1.0 0.45 0.0	68.1 23.6 64.1 68.3 69		1.0 0.298 0.0 60.7 37.3 57.5 68.5 57		1.0 0.45 0.0	1.0 0.281 0.0 59.9 38.9 56.7 68.8 55		1.0 0.45 0.0			
71	58	56	1.0 0.466 0.0	68.9 22.1 64.8 68.5 71		1.0 0.309 0.0 61.3 36.2 58.0 68.4 58		1.0 0.467 0.0	1.0 0.294 0.0 60.5 37.7 57.3 68.6 56		1.0 0.467 0.0			
72	59	57	1.0 0.483 0.0	69.7 20.7 65.6 68.8 72		1.0 0.321 0.0 61.9 35.1 58.5 68.2 59		1.0 0.483 0.0	1.0 0.307 0.0 61.2 36.5 57.9 68.4 57		1.0 0.483 0.0			
73	60	58	1.0 0.5 0.0	70.5 19.2 66.2 69.0 73		1.0 0.332 0.0 62.5 34.0 58.9 68.0 60		1.0 0.5 0.0	1.0 0.32 0.0 61.8 35.2 58.4 68.2 58		1.0 0.5 0.0			
74	61	60	1.0 0.516 0.0	71.0 18.2 66.9 69.3 74		1.0 0.344 0.0 63.1 32.9 59.3 67.8 61		1.0 0.517 0.0	1.0 0.332 0.0 62.5 34.0 58.9 68.0 60		1.0 0.517 0.0			
75	62	61	1.0 0.533 0.0	71.6 17.2 67.5 69.7 75		1.0 0.355 0.0 63.6 31.8 59.8 67.7 62		1.0 0.533 0.0	1.0 0.345 0.0 63.1 32.8 59.4 67.8 61		1.0 0.533 0.0			
76	63	62	1.0 0.55 0.0	72.2 16.2 68.1 70.0 76		1.0 0.367 0.0 64.2 30.6 60.1 67.5 63		1.0 0.55 0.0	1.0 0.358 0.0 63.8 31.5 59.9 67.6 62		1.0 0.55 0.0			
77	64	63	1.0 0.566 0.0	72.8 15.1 68.7 70.4 77		1.0 0.378 0.0 64.8 29.6 60.6 67.4 64		1.0 0.567 0.0	1.0 0.371 0.0 64.4 30.3 60.3 67.4 63		1.0 0.567 0.0			
78	65	64	1.0 0.583 0.0	73.4 14.1 69.3 70.7 78		1.0 0.391 0.0 65.4 28.6 61.3 67.6 65		1.0 0.583 0.0	1.0 0.384 0.0 65.1 29.1 60.9 67.5 64		1.0 0.583 0.0			
79	66	65	1.0 0.6 0.0	74.0 13.0 69.9 71.1 79		1.0 0.403 0.0 66.0 27.6 61.9 67.8 66		1.0 0.6 0.0	1.0 0.398 0.0 65.7 28.0 61.6 67.7 65		1.0 0.6 0.0			
80	67	66	1.0 0.616 0.0	74.6 12.0 70.4 71.4 80		1.0 0.416 0.0 66.6 26.5 62.5 67.9 67		1.0 0.617 0.0	1.0 0.412 0.0 66.4 26.9 62.3 67.9 66		1.0 0.617 0.0			
81	68	67	1.0 0.633 0.0	75.4 10.6 71.2 72.0 81		1.0 0.428 0.0 67.1 25.5 63.1 68.1 68		1.0 0.633 0.0	1.0 0.425 0.0 67.0 25.7 63.0 68.0 67		1.0 0.633 0.0			
82	69	68	1.0 0.65 0.0	76.5 8.9 72.1 72.7 82		1.0 0.44 0.0 67.7 24.5 63.7 68.2 69		1.0 0.65 0.0	1.0 0.439 0.0 67.7 24.5 63.7 68.2 68		1.0 0.65 0.0			
84	70	70	1.0 0.666 0.0	77.5 7.2 73.0 73.4 84		1.0 0.453 0.0 68.3 23.4 64.3 68.4 70		1.0 0.667 0.0	1.0 0.453 0.0 68.3 23.4 64.3 68.4 70		1.0 0.667 0.0			
85	71	71	1.0 0.683 0.0	78.6 5.4 73.9 74.1 85		1.0 0.465 0.0 68.9 22.3 64.8 68.6 71		1.0 0.683 0.0	1.0 0.467 0.0 69.0 22.2 64.9 68.6 71		1.0 0.683 0.0			
87	72	72	1.0 0.7 0.0	79.7 3.6 74.7 74.8 87		1.0 0.477 0.0 69.5 21.2 65.4 68.7 72		1.0 0.7 0.0	1.0 0.481 0.0 69.6 20.9 65.5 68.8 72		1.0 0.7 0.0			
88	73	73	1.0 0.716 0.0	80.8 1.7 75.5 75.5 88		1.0 0.49 0.0 70.0 20.1 65.9 68.9 73		1.0 0.717 0.0	1.0 0.494 0.0 70.2 19.7 66.1 68.9 73		1.0 0.717 0.0			
-269	74	74	1.0 0.733 0.0	81.8 -0.1 76.3 76.3 -269		1.0 0.503 0.0 70.6 19.0 66.4 69.1 74		1.0 0.733 0.0	1.0 0.512 0.0 70.9 18.5 66.7 69.3 74		1.0 0.733 0.0			
-268	75	75	1.0 0.75 0.0	82.9 -2.0 76.9 77.0 -268	R <sub>d</sub>	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			

2-113930-L0 QS490-73 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 cmy<sup>6</sup>\*, D65, página 10/33

gráfico TUB-QS49; código de tono: H\*<sub>e</sub>=Y25G<sub>e</sub>  
 círculo de tono, 48 pasos; rgb-LabCh\*mesas

entrada: rgb/cmyk -> rgb<sub>de</sub>  
 salida: 3D-linealización a cmyk\*<sub>de</sub>

vea archivos semejantes: <http://130.149.60.45/~farbmetrik/QS49/QS49L0FP.PDF> / .PS  
 información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

TUB matrícula: 20130201-QS49/QS49L0FP.PDF / .PS  
 aplicación para la medida salida de impresora láser, separación cmy<sup>6</sup>\* (CMYK)  
 TUB material: code=rh4ta

Data of Maximum color M in colorimetric system Laser printer output; separation cmy<sup>6</sup>\*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM<sub>c</sub>: h<sub>ab,ds</sub> = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;

Six hue angles of the device colours RYGBM<sub>d</sub>: h<sub>ab,d</sub> = 33.5, 100.6, 155.5, 235.2, 290.8, 348.9; Six hue angles of the elementary colours RYGBM<sub>e</sub>: h<sub>ab,e</sub> = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

h <sub>ab,d</sub>	h <sub>ab,s</sub>	h <sub>ab,e</sub>	rgb <sup>6</sup> * dd361M	LAB <sup>6</sup> * ddx361Mi (x=LabCh)	rgb <sup>6</sup> * ds361Mi	LAB <sup>6</sup> * dsx361Mi (x=LabCh)	rgb <sup>6</sup> * de361Mi	LAB <sup>6</sup> * dex361Mi (x=LabCh)	rgb <sup>6</sup> * dd361Mi	LAB <sup>6</sup> * dd361Mi	rgb <sup>6</sup> * de361Mi	LAB <sup>6</sup> * dex361Mi (x=LabCh)	rgb <sup>6</sup> * dd361Mi	LAB <sup>6</sup> * dd361Mi	rgb <sup>6</sup> * de361Mi	LAB <sup>6</sup> * dex361Mi (x=LabCh)																			
-268	75	75	1.0	0.75	0.0	82.9	-2.0	76.9	77.0	-268	R <sub>d</sub>	1.0	0.521	0.0	71.3	18.0	67.1	69.5	75	1.0	0.75	0.0	1.0	0.532	0.0	71.6	17.3	67.5	69.7	75	1.0	0.75	0.0		
92	76	76	1.0	0.766	0.0	83.5	-2.9	76.8	76.9	92		1.0	0.539	0.0	71.9	16.9	67.8	69.8	76	1.0	0.767	0.0	1.0	0.552	0.0	72.3	16.1	68.2	70.1	76	1.0	0.767	0.0		
92	77	77	1.0	0.783	0.0	84.2	-3.9	76.7	76.8	92		1.0	0.557	0.0	72.5	15.8	68.4	70.2	77	1.0	0.783	0.0	1.0	0.572	0.0	73.0	14.9	69.0	70.5	77	1.0	0.783	0.0		
93	78	78	1.0	0.8	0.0	84.8	-4.8	76.5	76.7	93		1.0	0.575	0.0	73.1	14.7	69.1	70.6	78	1.0	0.8	0.0	1.0	0.592	0.0	73.7	13.6	69.7	71.0	78	1.0	0.8	0.0		
94	79	80	1.0	0.816	0.0	85.4	-5.8	76.4	76.6	94		1.0	0.593	0.0	73.8	13.5	69.7	71.0	79	1.0	0.817	0.0	1.0	0.612	0.0	74.4	12.3	70.3	71.4	80	1.0	0.817	0.0		
95	80	81	1.0	0.833	0.0	86.0	-6.7	76.2	76.5	95		1.0	0.611	0.0	74.4	12.4	70.3	71.4	80	1.0	0.833	0.0	1.0	0.629	0.0	75.2	11.0	71.0	71.9	81	1.0	0.833	0.0		
95	81	82	1.0	0.85	0.0	86.6	-7.6	76.0	76.4	95		1.0	0.627	0.0	75.1	11.2	70.9	71.8	81	1.0	0.85	0.0	1.0	0.642	0.0	76.0	9.7	71.8	72.4	82	1.0	0.85	0.0		
96	82	83	1.0	0.866	0.0	87.3	-8.6	75.8	76.3	96		1.0	0.639	0.0	75.8	10.1	71.6	72.3	82	1.0	0.867	0.0	1.0	0.655	0.0	76.9	8.4	72.5	73.0	83	1.0	0.867	0.0		
97	83	84	1.0	0.883	0.0	87.8	-9.4	76.3	76.9	97		1.0	0.651	0.0	76.6	8.9	72.2	72.8	83	1.0	0.883	0.0	1.0	0.668	0.0	77.7	7.0	73.2	73.5	84	1.0	0.883	0.0		
97	84	85	1.0	0.9	0.0	88.4	-10.3	77.6	78.2	97		1.0	0.662	0.0	77.3	7.7	72.9	73.3	84	1.0	0.9	0.0	1.0	0.681	0.0	78.5	5.6	73.9	74.1	85	1.0	0.9	0.0		
98	85	86	1.0	0.916	0.0	88.9	-11.2	78.8	79.6	98		1.0	0.674	0.0	78.1	6.4	73.5	73.8	85	1.0	0.917	0.0	1.0	0.694	0.0	79.4	4.2	74.5	74.6	86	1.0	0.917	0.0		
98	86	87	1.0	0.933	0.0	89.4	-12.0	80.0	80.9	98		1.0	0.686	0.0	78.8	5.2	74.1	74.3	86	1.0	0.933	0.0	1.0	0.707	0.0	80.2	2.8	75.1	75.2	87	1.0	0.933	0.0		
99	87	88	1.0	0.95	0.0	89.9	-12.9	81.1	82.2	99		1.0	0.697	0.0	79.6	3.9	74.7	74.8	87	1.0	0.95	0.0	1.0	0.72	0.0	81.1	1.4	75.7	75.7	88	1.0	0.95	0.0		
99	88	90	1.0	0.966	0.0	90.5	-13.9	82.3	83.5	99		1.0	0.709	0.0	80.3	2.6	75.2	75.3	88	1.0	0.967	0.0	1.0	0.733	0.0	81.9	0.0	76.3	76.3	90	1.0	0.967	0.0		
100	89	91	1.0	0.983	0.0	91.0	-14.8	83.5	84.8	100		1.0	0.721	0.0	81.1	1.3	75.8	75.8	89	1.0	0.983	0.0	1.0	0.746	0.0	82.7	-1.5	76.8	76.9	91	1.0	0.983	0.0		
100	90	92	1.0	1.0	0.0	91.5	-15.8	84.6	86.1	100	Y <sub>d</sub>	1.0	0.732	0.0	81.8	0.0	76.3	76.3	90	Y <sub>s</sub>	1.0	1.0	0.0	1.0	0.769	0.0	83.7	-3.0	76.8	76.9	92	Y <sub>e</sub>	1.0	1.0	0.0
100	91	93	0.983	1.0	0.0	91.7	-16.1	85.3	86.8	100		1.0	0.744	0.0	82.6	-1.2	76.7	76.8	91		0.983	1.0	0.0	1.0	0.796	0.0	84.7	-4.6	76.6	76.8	93		0.983	1.0	0.0
100	92	94	0.966	1.0	0.0	91.9	-16.4	85.9	87.5	100		1.0	0.761	0.0	83.4	-2.6	76.9	77.0	92		0.967	1.0	0.0	1.0	0.823	0.0	85.7	-6.1	76.4	76.6	94		0.967	1.0	0.0
100	93	95	0.95	1.0	0.0	92.0	-16.7	86.5	88.2	100		1.0	0.785	0.0	84.3	-3.9	76.7	76.8	93		0.95	1.0	0.0	1.0	0.851	0.0	86.7	-7.6	76.1	76.5	95		0.95	1.0	0.0
101	94	96	0.933	1.0	0.0	92.2	-17.0	87.2	88.8	101		1.0	0.808	0.0	85.1	-5.2	76.5	76.7	94		0.933	1.0	0.0	1.0	0.879	0.0	87.8	-9.2	76.1	76.7	96		0.933	1.0	0.0
101	95	98	0.916	1.0	0.0	92.4	-17.3	87.8	89.5	101		1.0	0.832	0.0	86.0	-6.6	76.3	76.6	95		0.917	1.0	0.0	1.0	0.918	0.0	89.0	-11.2	78.9	79.7	98		0.917	1.0	0.0
101	96	99	0.9	1.0	0.0	92.5	-17.6	88.4	90.2	101		1.0	0.855	0.0	86.9	-7.9	76.0	76.4	96		0.9	1.0	0.0	1.0	0.957	0.0	90.2	-13.3	81.7	82.8	99		0.9	1.0	0.0
101	97	100	0.883	1.0	0.0	92.7	-18.0	89.1	90.9	101		1.0	0.88	0.0	87.8	-9.3	76.2	76.7	97		0.883	1.0	0.0	1.0	0.996	0.0	91.5	-15.5	84.4	85.8	100		0.883	1.0	0.0
101	98	101	0.866	1.0	0.0	92.6	-18.3	89.2	91.0	101		1.0	0.914	0.0	88.8	-10.9	78.6	79.4	98		0.867	1.0	0.0	0.867	1.0	0.0	92.6	-18.3	89.2	91.1	101		0.867	1.0	0.0
101	99	102	0.85	1.0	0.0	92.2	-18.8	88.7	90.7	101		1.0	0.947	0.0	89.9	-12.7	81.0	82.0	99		0.85	1.0	0.0	0.808	1.0	0.0	91.4	-19.8	87.6	89.9	102		0.85	1.0	0.0
102	100	103	0.833	1.0	0.0	91.9	-19.2	88.3	90.3	102		1.0	0.98	0.0	91.0	-14.6	83.3	84.6	100		0.833	1.0	0.0	0.75	1.0	0.0	90.1	-21.3	86.0	88.6	103		0.833	1.0	0.0
102	101	105	0.816	1.0	0.0	91.5	-19.6	87.8	90.0	102		0.943	1.0	0.0	92.2	-16.8	86.9	88.5	101		0.817	1.0	0.0	0.737	1.0	0.0	89.0	-22.7	84.2	87.2	105		0.817	1.0	0.0
102	102	106	0.8	1.0	0.0	91.1	-20.1	87.4	89.7	102		0.849	1.0	0.0	92.2	-18.8	88.7	90.7	102		0.8	1.0	0.0	0.724	1.0	0.0	88.0	-24.0	82.3	85.8	106		0.8	1.0	0.0
103	103	107	0.783	1.0	0.0	90.8	-20.5	86.9	89.3	103		0.798	1.0	0.0	91.2	-20.1	87.4	89.7	103		0.783	1.0	0.0	0.71	1.0	0.0	86.9	-25.2	80.5	84.3	107		0.783	1.0	0.0
103	104	108	0.766	1.0	0.0	90.4	-20.9	86.5	89.0	103		0.749	1.0	0.0	90.1	-21.3	86.0	88.6	104		0.767	1.0	0.0	0.697	1.0	0.0	85.8	-26.4	78.6	82.9	108		0.767	1.0	0.0
103	105	109	0.75	1.0	0.0	90.1	-21.3	86.0	88.6	103		0.738	1.0	0.0	89.2	-22.5	84.4	87.4	105		0.75	1.0	0.0	0.684	1.0	0.0	84.7	-27.5	76.7	81.5	109		0.75	1.0	0.0
105	106	110	0.733	1.0	0.0	88.7	-23.1	83.7	86.8	105		0.727	1.0	0.0	88.2	-23.6	82.8	86.1	106		0.733	1.0	0.0	0.671	1.0	0.0	83.7	-28.5	74.8	80.0	110		0.733	1.0	0.0
106	107	112	0.716	1.0	0.0	87.3	-24.7	81.3	85.0	106		0.716	1.0	0.0	87.3	-24.7	81.2	84.9	107		0.717	1.0	0.0	0.658	1.0	0.0	82.6	-29.5	72.8	78.6	112		0.717	1.0	0.0
108	108	113	0.7	1.0	0.0	86.0	-26.2	78.9	83.2	108		0.704	1.0	0.0	86.4	-25.8	79.6	83.7	108		0.7	1.0	0.0	0.645	1.0	0.0	81.5	-30.4	70.9	77.2	113		0.7	1.0	0.0
109	109	114	0.683	1.0	0.0	84.6	-27.6	76.5	81.3	109		0.693	1.0	0.0	85.5	-26.7	78.0	82.5	109		0.683	1.0	0.0	0.632	1.0	0.0	80.4	-31.3	69.0	75.7	114		0.683	1.0	0.0
111	110	115	0.666	1.0	0.0	83.3	-28.9	74.1	79.5	111		0.682	1.0	0.0	84.5	-27.7	76.3	81.2	110		0.667	1.0	0.0	0.619	1.0	0.0	79.5	-32.2	67.4	74.7	115		0.667	1.0	0.0
112	111	116	0.65	1.0	0.0	81.9	-30.1	71.6	77.7	112		0.67	1.0	0.0	83.6	-28.6	74.7	80.0	111		0.65	1.0	0.0	0.607	1.0	0.0	78.6	-33.3	66.2	74.2	116		0.65	1.0	0.0
114	112	117	0.633	1.0	0.0	80.5	-31.2	69.2	75.9	114		0.659	1.0	0.0	82.7	-29.4	73.0	78.8	112		0.633	1.0	0.0	0.595	1.0	0.0	77.8	-34.4	65.0	73.6	117		0.633	1.0	0.0
115	113	119	0.616	1.0	0.0	79.3	-32.5	67.1	74.6	115		0.648	1.0	0.0	81.8	-30.2	71.4	77.5	113		0.617	1.0	0.0	0.584	1.0	0.0	77.0	-35.4	63.8	73.0	119		0.617	1.0	0.0
117	114	120	0																																



Data of Maximum color M in colorimetric system Laser printer output; separation cmy<sup>6</sup>\*, D65 for input or output; Six hue angles of the 60 degree standard colours RY<sup>6</sup>CBM<sub>s</sub>: h<sub>ab,ds</sub> = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;

Six hue angles of the device colours RY<sup>6</sup>CBM<sub>d</sub>: h<sub>ab,d</sub> = 33.5, 100.6, 155.5, 235.2, 290.8, 348.9; Six hue angles of the elementary colours RY<sup>6</sup>CBM<sub>e</sub>: h<sub>ab,e</sub> = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

h <sub>ab,d</sub>	h <sub>ab,s</sub>	h <sub>ab,e</sub>	rgb* <sub>dd361M</sub>	LAB* <sub>ddx361Mi (x=LabCh)</sub>	rgb* <sub>ds361Mi</sub>	LAB* <sub>dsx361Mi (x=LabCh)</sub>	rgb* <sub>dd361Mi</sub>	LAB* <sub>de361Mi</sub>	LAB* <sub>dex361Mi (x=LabCh)</sub>	rgb* <sub>dd361Mi</sub>	rgb* <sub>dd361Mi</sub>	rgb* <sub>ds</sub>	rgb* <sub>de</sub>
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	0.416	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	0.366	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	0.316	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	0.266	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	0.216	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	0.166	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	0.116	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	0.066	1.0	0.0
153	147	158	0.049	1.0	0.0	55.4	-65.5	32.3	73.0	153	0.049	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	0.016	1.0	0.0
155	150	162	0.0	1.0	0.0	54.3	-67.6	30.8	74.3	155	0.0	1.0	0.0
156	151	163	0.0	1.0	0.016	54.2	-67.5	29.7	73.8	156	0.0	1.0	0.017
156	152	164	0.0	1.0	0.033	54.2	-67.4	28.6	73.2	156	0.0	1.0	0.033
157	153	164	0.0	1.0	0.05	54.1	-67.2	27.6	72.7	157	0.0	1.0	0.05
158	154	165	0.0	1.0	0.066	54.0	-67.1	26.6	72.1	158	0.0	1.0	0.067
159	155	166	0.0	1.0	0.083	53.9	-66.9	25.5	71.6	159	0.0	1.0	0.083
159	156	167	0.0	1.0	0.1	53.9	-66.7	24.5	71.1	159	0.0	1.0	0.1
160	157	168	0.0	1.0	0.116	53.8	-66.5	23.5	70.5	160	0.0	1.0	0.117
161	158	169	0.0	1.0	0.133	53.8	-66.2	22.3	69.9	161	0.0	1.0	0.133
162	159	170	0.0	1.0	0.15	53.8	-65.8	20.8	69.1	162	0.0	1.0	0.15
163	160	171	0.0	1.0	0.166	53.8	-65.5	19.4	68.3	163	0.0	1.0	0.167
164	161	172	0.0	1.0	0.183	53.8	-65.0	18.1	67.5	164	0.0	1.0	0.183
165	162	173	0.0	1.0	0.2	53.8	-64.6	16.7	66.7	165	0.0	1.0	0.2
166	163	174	0.0	1.0	0.216	53.7	-64.1	15.4	66.0	166	0.0	1.0	0.217
167	164	175	0.0	1.0	0.233	53.7	-63.6	14.1	65.2	167	0.0	1.0	0.233
168	165	175	0.0	1.0	0.25	53.7	-63.1	12.8	64.4	168	0.0	1.0	0.25

2-1131130-L0 QS490-73 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 cmy<sup>6</sup>\*, D65, página 12/33

gráfico TUB-QS49; código de tono: H\*<sub>e</sub>=Y25G<sub>e</sub>  
 círculo de tono, 48 pasos; rgb-LabCh\*mesas

entrada: rgb/cmyk -> rgb<sub>de</sub>  
 salida: 3D-linealización a cmyk\*<sub>de</sub>

vea archivos semejantes: <http://130.149.60.45/~farbmetrik/QS49/QS49L0FP.PDF> / .PS  
 información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

TUB matrícula: 20130201-QS49/QS49L0FP.PDF / .PS  
 aplicación para la medida salida de impresora láser, separación cmy<sup>6</sup>\* (CMYK)  
 TUB material: code=rh4ta









Data of Maximum color M in colorimetric system Laser printer output; separation cmy<sup>6</sup>\*, D65 for input or output; Six hue angles of the 60 degree standard colours RY<sup>6</sup>CBM<sub>s</sub>; h<sub>ab,ds</sub> = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0;  
 Six hue angles of the device colours RY<sup>6</sup>CBM<sub>d</sub>; h<sub>ab,d</sub> = 33.5, 100.6, 155.5, 235.2, 290.8, 348.9; Six hue angles of the elementary colours RY<sup>6</sup>CBM<sub>e</sub>; h<sub>ab,e</sub> = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

h <sub>ab,d</sub>	h <sub>ab,s</sub>	h <sub>ab,e</sub>	rgb <sup>6</sup> *_dd361M	LAB <sup>6</sup> *_dd361Mi (x=LabCh)	rgb <sup>6</sup> *_ds361Mi	LAB <sup>6</sup> *_dsx361Mi (x=LabCh)	rgb <sup>6</sup> *_dd361Mi	rgb <sup>6</sup> *_de361Mi	LAB <sup>6</sup> *_dex361Mi (x=LabCh)	rgb <sup>6</sup> *_dd361Mi	rgb <sup>6</sup> *_ds361Mi	rgb <sup>6</sup> *_de361Mi																				
324	300	300	0.5	1.0	37.2	43.1	-30.8	53.0	324	0.136	0.0	1.0	31.6	24.3	-41.9	48.5	300	0.5	0.0	1.0	0.139	0.0	1.0	31.5	24.4	-41.9	48.6	300	0.5	0.0	1.0	
325	301	301	0.516	0.0	1.0	37.4	43.8	-30.4	53.4	325	0.151	0.0	1.0	31.5	25.1	-41.6	48.7	301	0.517	0.0	1.0	0.153	0.0	1.0	31.5	25.2	-41.6	48.7	301	0.517	0.0	1.0
326	302	302	0.533	0.0	1.0	37.7	44.5	-29.9	53.7	326	0.165	0.0	1.0	31.4	25.9	-41.3	48.9	302	0.533	0.0	1.0	0.166	0.0	1.0	31.4	26.0	-41.3	48.9	302	0.533	0.0	1.0
326	303	303	0.55	0.0	1.0	37.9	45.3	-29.5	54.0	326	0.18	0.0	1.0	31.4	26.7	-41.0	49.0	303	0.55	0.0	1.0	0.18	0.0	1.0	31.4	26.7	-41.0	49.0	303	0.55	0.0	1.0
327	304	303	0.566	0.0	1.0	38.2	46.0	-29.0	54.4	327	0.194	0.0	1.0	31.3	27.5	-40.7	49.2	304	0.567	0.0	1.0	0.194	0.0	1.0	31.3	27.5	-40.7	49.2	303	0.567	0.0	1.0
328	305	304	0.583	0.0	1.0	38.4	46.7	-28.5	54.7	328	0.209	0.0	1.0	31.2	28.3	-40.3	49.4	305	0.583	0.0	1.0	0.208	0.0	1.0	31.2	28.3	-40.4	49.4	304	0.583	0.0	1.0
329	306	305	0.6	0.0	1.0	38.7	47.4	-28.0	55.1	329	0.224	0.0	1.0	31.1	29.1	-40.0	49.5	306	0.6	0.0	1.0	0.222	0.0	1.0	31.2	29.0	-40.0	49.5	305	0.6	0.0	1.0
330	307	306	0.616	0.0	1.0	38.9	48.1	-27.5	55.4	330	0.238	0.0	1.0	31.1	29.9	-39.6	49.7	307	0.617	0.0	1.0	0.235	0.0	1.0	31.1	29.8	-39.7	49.7	306	0.617	0.0	1.0
331	308	307	0.633	0.0	1.0	39.2	48.9	-26.9	55.8	331	0.252	0.0	1.0	31.1	30.7	-39.2	49.9	308	0.633	0.0	1.0	0.249	0.0	1.0	31.0	30.5	-39.3	49.8	307	0.633	0.0	1.0
332	309	308	0.65	0.0	1.0	39.6	49.8	-26.2	56.3	332	0.265	0.0	1.0	31.4	31.5	-38.8	50.1	309	0.65	0.0	1.0	0.261	0.0	1.0	31.3	31.3	-39.0	50.0	308	0.65	0.0	1.0
333	310	309	0.666	0.0	1.0	40.0	50.7	-25.4	56.8	333	0.278	0.0	1.0	31.8	32.3	-38.4	50.3	310	0.667	0.0	1.0	0.274	0.0	1.0	31.6	32.1	-38.6	50.2	309	0.667	0.0	1.0
334	311	310	0.683	0.0	1.0	40.4	51.6	-24.7	57.2	334	0.291	0.0	1.0	32.1	33.1	-38.0	50.5	311	0.683	0.0	1.0	0.286	0.0	1.0	32.0	32.8	-38.2	50.4	310	0.683	0.0	1.0
335	312	311	0.7	0.0	1.0	40.7	52.5	-23.9	57.7	335	0.304	0.0	1.0	32.4	33.9	-37.6	50.7	312	0.7	0.0	1.0	0.298	0.0	1.0	32.3	33.6	-37.8	50.6	311	0.7	0.0	1.0
336	313	312	0.716	0.0	1.0	41.1	53.4	-23.1	58.2	336	0.317	0.0	1.0	32.8	34.7	-37.2	50.9	313	0.717	0.0	1.0	0.31	0.0	1.0	32.6	34.3	-37.4	50.8	312	0.717	0.0	1.0
337	314	313	0.733	0.0	1.0	41.5	54.3	-22.3	58.7	337	0.33	0.0	1.0	33.1	35.5	-36.7	51.1	314	0.733	0.0	1.0	0.323	0.0	1.0	32.9	35.1	-37.0	51.0	313	0.733	0.0	1.0
338	315	314	0.75	0.0	1.0	41.8	55.1	-21.4	59.1	338	0.343	0.0	1.0	33.4	36.3	-36.2	51.4	315	0.75	0.0	1.0	0.335	0.0	1.0	33.2	35.8	-36.5	51.2	314	0.75	0.0	1.0
339	316	315	0.766	0.0	1.0	42.4	55.8	-20.9	59.6	339	0.356	0.0	1.0	33.8	37.1	-35.7	51.6	316	0.767	0.0	1.0	0.347	0.0	1.0	33.5	36.6	-36.0	51.4	315	0.767	0.0	1.0
340	317	316	0.783	0.0	1.0	42.9	56.5	-20.4	60.1	340	0.368	0.0	1.0	34.1	37.9	-35.2	51.8	317	0.783	0.0	1.0	0.359	0.0	1.0	33.9	37.3	-35.6	51.6	316	0.783	0.0	1.0
340	318	317	0.8	0.0	1.0	43.4	57.2	-19.8	60.5	340	0.384	0.0	1.0	34.5	38.6	-34.7	52.0	318	0.8	0.0	1.0	0.371	0.0	1.0	34.2	38.0	-35.1	51.8	317	0.8	0.0	1.0
341	319	318	0.816	0.0	1.0	43.9	57.8	-19.3	61.0	341	0.402	0.0	1.0	34.9	39.3	-34.1	52.1	319	0.817	0.0	1.0	0.387	0.0	1.0	34.6	38.8	-34.6	52.0	318	0.817	0.0	1.0
342	320	319	0.833	0.0	1.0	44.4	58.5	-18.7	61.4	342	0.42	0.0	1.0	35.3	40.1	-33.5	52.3	320	0.833	0.0	1.0	0.404	0.0	1.0	35.0	39.4	-34.0	52.2	319	0.833	0.0	1.0
342	321	320	0.85	0.0	1.0	44.9	59.1	-18.2	61.9	342	0.438	0.0	1.0	35.8	40.8	-32.9	52.5	321	0.85	0.0	1.0	0.421	0.0	1.0	35.4	40.1	-33.5	52.3	320	0.85	0.0	1.0
343	322	321	0.866	0.0	1.0	45.4	59.8	-17.6	62.3	343	0.456	0.0	1.0	36.2	41.5	-32.3	52.7	322	0.867	0.0	1.0	0.439	0.0	1.0	35.8	40.8	-32.9	52.5	321	0.867	0.0	1.0
344	323	321	0.883	0.0	1.0	45.8	60.5	-17.0	62.8	344	0.474	0.0	1.0	36.6	42.2	-31.7	52.8	323	0.883	0.0	1.0	0.456	0.0	1.0	36.2	41.5	-32.3	52.6	321	0.883	0.0	1.0
344	324	322	0.9	0.0	1.0	46.1	61.2	-16.4	63.4	344	0.492	0.0	1.0	37.1	42.9	-31.1	53.0	324	0.9	0.0	1.0	0.473	0.0	1.0	36.6	42.1	-31.7	52.8	322	0.9	0.0	1.0
345	325	323	0.916	0.0	1.0	46.5	61.9	-15.9	63.9	345	0.512	0.0	1.0	37.4	43.7	-30.5	53.3	325	0.917	0.0	1.0	0.49	0.0	1.0	37.0	42.8	-31.1	53.0	323	0.917	0.0	1.0
346	326	324	0.933	0.0	1.0	46.8	62.6	-15.3	64.5	346	0.532	0.0	1.0	37.7	44.5	-29.9	53.7	326	0.933	0.0	1.0	0.508	0.0	1.0	37.4	43.5	-30.6	53.2	324	0.933	0.0	1.0
346	327	325	0.95	0.0	1.0	47.1	63.3	-14.6	65.0	346	0.552	0.0	1.0	38.0	45.4	-29.4	54.1	327	0.95	0.0	1.0	0.527	0.0	1.0	37.6	44.3	-30.1	53.6	325	0.95	0.0	1.0
347	328	326	0.966	0.0	1.0	47.5	64.0	-14.0	65.5	347	0.572	0.0	1.0	38.3	46.2	-28.8	54.5	328	0.967	0.0	1.0	0.546	0.0	1.0	37.9	45.1	-29.5	54.0	326	0.967	0.0	1.0
348	329	327	0.983	0.0	1.0	47.8	64.7	-13.4	66.1	348	0.592	0.0	1.0	38.6	47.1	-28.2	54.9	329	0.983	0.0	1.0	0.565	0.0	1.0	38.2	46.0	-29.0	54.4	327	0.983	0.0	1.0
348	330	328	1.0	0.0	1.0	48.1	65.4	-12.7	66.6	348	0.612	0.0	1.0	38.9	47.9	-27.6	55.4	330	1.0	0.0	1.0	0.584	0.0	1.0	38.5	46.8	-28.4	54.8	328	1.0	0.0	1.0
349	331	329	1.0	0.0	0.983	48.3	65.5	-12.5	66.7	349	0.631	0.0	1.0	39.2	48.8	-26.9	55.8	331	1.0	0.0	0.983	0.603	0.0	1.0	38.8	47.6	-27.9	55.2	329	1.0	0.0	0.983
349	332	330	1.0	0.0	0.966	48.5	65.6	-12.2	66.7	349	0.646	0.0	1.0	39.6	49.6	-26.3	56.2	332	1.0	0.0	0.967	0.623	0.0	1.0	39.1	48.4	-27.3	55.6	330	1.0	0.0	0.967
349	333	331	1.0	0.0	0.95	48.7	65.7	-11.9	66.8	349	0.662	0.0	1.0	39.9	50.5	-25.6	56.7	333	1.0	0.0	0.95	0.638	0.0	1.0	39.4	49.2	-26.7	56.0	331	1.0	0.0	0.95
349	334	332	1.0	0.0	0.933	48.9	65.8	-11.7	66.8	349	0.677	0.0	1.0	40.3	51.3	-24.9	57.1	334	1.0	0.0	0.933	0.652	0.0	1.0	39.7	50.0	-26.0	56.4	332	1.0	0.0	0.933
350	335	333	1.0	0.0	0.916	49.0	65.9	-11.4	66.9	350	0.692	0.0	1.0	40.6	52.1	-24.2	57.5	335	1.0	0.0	0.917	0.667	0.0	1.0	40.0	50.8	-25.4	56.8	333	1.0	0.0	0.917
350	336	334	1.0	0.0	0.9	49.2	66.0	-11.1	66.9	350	0.708	0.0	1.0	41.0	53.0	-23.5	58.0	336	1.0	0.0	0.9	0.681	0.0	1.0	40.4	51.6	-24.7	57.2	334	1.0	0.0	0.9
350	337	335	1.0	0.0	0.883	49.4	66.1	-10.9	67.0	350	0.723	0.0	1.0	41.3	53.8	-22.7	58.4	337	1.0	0.0	0.883	0.696	0.0	1.0	40.7	52.3	-24.0	57.6	335	1.0	0.0	0.883
350	338	336	1.0	0.0	0.866	49.5	66.0	-10.4	66.9	350	0.738	0.0	1.0	41.6	54.6	-22.0	58.9	338	1.0	0.0	0.867	0.711	0.0	1.0	41.0	53.1	-23.3	58.1	336	1.0	0.0	0.867
351	339	337	1.0	0.0	0.85	49.4	65.8	-9.9	66.6	351	0.756	0.0	1.0	42.1	55.4	-21.2	59.4	339	1.0	0.0	0.85	0.725	0.0	1.0	41.3	53.9	-22.6	58.5	337	1.0	0.0	0.85
351	340	338	1.0	0.0	0.833	49.4	65.6	-9.3	66.3	351	0.																					







Table with columns: nrf, HHC\*File, rpb\_Rate, icr\_File, hsa\_Fate, rpb\*File, LabC\*File, cmyk\*\_sepRate, cmyk\*\_Rate, LabC\*File, hsa\*File, rpb\*File, LabC\*File, delta. The table contains multiple rows of numerical data for various file names.

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

gráfico TUB-QS49; código de tono: H\*\_e=Y25Ge  
colores y diferencia en color, ΔE\*<sup>\*</sup>





http://130.149.60.45/~farbmetrik/QS49/QS49LOFP.PDF /.PS; 3D-linealización  
F: 3D-linealización QS49/QS49L30FP.DAT en archivo (F), página 21/33

Table with columns: n, HHC\*File, rgb\_Role, icr\_File, hsa\_File, rgb\*File, LabCM\*File, cmyk\*\_sep, cmyk\*\_File, hsa\*File, LabCM\*File, delta. Rows list various color patches and their corresponding data values.

gráfico TUB-QS49; código de tono: H\*e=Y25Ge  
colores y diferencia en color, ΔE\*

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

http://130.149.60.45/~farbmetrik/QS49/QS49LOFP.PDF /.PS; 3D-linealización  
F: 3D-linealización QS49/QS49L30FP.DAT en archivo (F), página 22/33

Table with 15 columns: n, HHC\*File, rgb\*File, icr\*File, hsa\*File, rgb\*File, LabCM\*File, cmyk\*sep, cmyk\*File, LabCM\*File, hsa\*File, rgb\*File, LabCM\*File, delta. Rows 162-242.

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

gráfico TUB-QS49; código de tono: H\*e=Y25Ge  
colores y diferencia en color, ΔE\*

http://130.149.60.45/~farbmetrik/QS49/QS49LOFP.PDF /.PS; 3D-linealización  
F: 3D-linealización QS49/QS49L30FP.DAT en archivo (F), página 23/33

Table with 15 columns: n, HHC\*File, rgb\*File, icr\*File, hsa\*File, rgb\*File, LabCM\*File, cmyk\*sep\*File, cmyk\*File, LabCM\*File, hsa\*File, rgb\*File, LabCM\*File, delta. Rows 243-323.

gráfico TUB-QS49; código de tono: H\*e=Y25Ge  
colores y diferencia en color, ΔE\*<sup>\*</sup>

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

92-1132230-F0  
92-1132230-F0

http://130.149.60.45/~farbmetrik/QS49/QS49LOFP.PDF /.PS; 3D-linealización  
F: 3D-linealización QS49/QS49L30FP.DAT en archivo (F), página 24/33

Table with 15 columns: n, HHC\*File, rgb\*File, icT\*File, Hsa\*File, rgb\*File, LabCM\*File, cmyk\*sep, cmyk\*File, LabCM\*File, Hsa\*File, rgb\*File, LabCM\*File, delta. Rows 324-404.

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

gráfico TUB-QS49; código de tono: H\*e=Y25Ge  
colores y diferencia en color, ΔE\*<sup>\*</sup>

<http://130.149.60.45/~farbmetrik/QS49/QS49LOFP.PDF /.PS; 3D-linealización>  
[F: 3D-linealización QS49/QS49L30FP.DAT](http://130.149.60.45/~farbmetrik/QS49/QS49L30FP.DAT) en archivo (F), página 25/33

Table with 15 columns: n, HHC\*File, rgb\*File, icr\*File, hsa\*File, rgb\*File, LabCM\*File, cmyk\*sep, cmyk\*File, LabCM\*File, hsa\*File, rgb\*File, LabCM\*File, delta. Rows 405-485.

gráfico TUB-QS49; código de tono: H\*e=Y25Ge  
colores y diferencia en color, ΔE\*

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

delta

QS49-TN; 25/33-F

2-1132430-F0

2-1132430-F0



Table with 15 columns: n, HHC\*File, rgb\*File, icr\*File, Hsa\*File, rgb\*File, LabCM\*File, 20.0, 46.5, 25.4, cmyk\*sep\*File, LabCM\*File, Hsa\*File, rgb\*File, LabCM\*File, delta. The table contains 566 rows of color calibration data for various color patches.

gráfico TUB-QS49; código de tono: H\*e=Y25Ge  
colores y diferencia en color, ΔE\*<sup>\*</sup>

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

Table with 15 columns: n, HHC\*File, rgb\*File, icr\*File, Hsa\*File, rgb\*File, LabCM\*File, cmyk\*sep, cmyk\*File, LabCM\*File, Hsa\*File, rgb\*File, LabCM\*File, delta. Rows 567-647.

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

gráfico TUB-QS49; código de tono: H\*e=Y25Ge  
colores y diferencia en color, ΔE\*

http://130.149.60.45/~farbmetrik/QS49/QS49LOFP.PDF /.PS; 3D-linealización  
F: 3D-linealización QS49/QS49L30FP.DAT en archivo (F), página 28/33

Table with 10 columns: n, HHC\*File, rpb\*File, icr\*File, Hsa\*File, rpb\*File, LabCM\*File, cmyk\*sep, cmyk\*sep, rpb\*File, LabCM\*File, Hsa\*File, rpb\*File, LabCM\*File, delta. Rows 648-728.

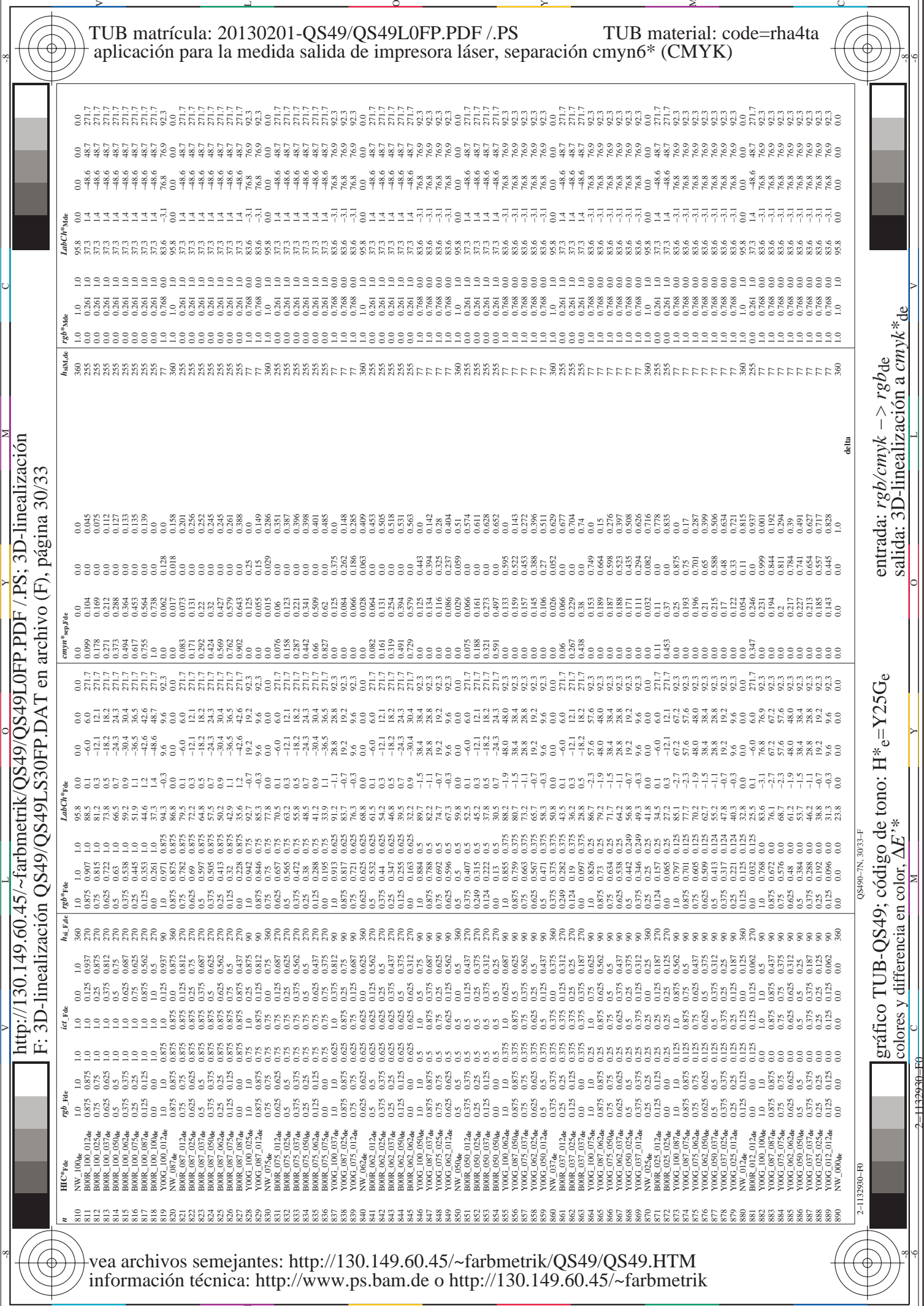
entrada: rgb/cmyk -> rgbde  
salida: 3D-linealización a cmyk\*de

gráfico TUB-QS49; código de tono: H\*e=Y25Ge  
colores y diferencia en color, ΔE\*

2-113270-F0

2-113270-F0





http://130.149.60.45/~farbmetrik/QS49/QS49LOFP.PDF /.PS; 3D-linealización  
F: 3D-linealización QS49/QS49L30FP.DAT en archivo (F), página 30/33

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

vea archivos semejantes: http://130.149.60.45/~farbmetrik/QS49/QS49.HTM  
información técnica: http://www.ps.bam.de o http://130.149.60.45/~farbmetrik

n	HC*File	rgb*File	icc*File	hsa*File	rgbl*File	LabC*File	cmyk*sep*File	hsa*File	rgbl*File	LabC*File	delta
810	NW_100.00e	0.875 0.875 1.0	1.0 1.0 1.0	0.0 0.0 0.0	0.0 0.0 0.0	95.8 0.0 0.0	0.0 0.0 0.0	360 0.0 0.0	1.0 1.0 1.0	95.8 0.0 0.0	0.0 0.0 0.0
811	BOOR_100.012de	0.875 0.875 1.0	1.0 1.0 1.0	0.125 0.937 0.0	0.875 0.907 1.0	88.5 0.1 -6.0	0.099 0.104 0.0	360 0.0 0.0	0.261 1.0 1.0	95.8 0.0 0.0	48.7 271.7 0.0
812	BOOR_100.025de	0.75 0.75 1.0	1.0 1.0 1.0	0.25 0.875 0.0	0.75 0.815 1.0	81.2 0.3 -12.1	0.178 0.169 0.0	255 0.0 0.0	0.261 1.0 1.0	95.8 0.0 0.0	-48.6 48.7 271.7
813	BOOR_100.037de	0.625 0.625 1.0	1.0 1.0 1.0	0.375 0.812 0.0	0.625 0.722 1.0	73.8 0.5 -18.2	0.271 0.271 0.0	255 0.0 0.0	0.261 1.0 1.0	95.8 0.0 0.0	-48.6 48.7 271.7
814	BOOR_100.050de	0.5 0.5 1.0	1.0 1.0 1.0	0.5 0.75 0.0	0.5 0.63 1.0	66.5 0.7 -24.3	0.364 0.364 0.0	255 0.0 0.0	0.261 1.0 1.0	95.8 0.0 0.0	-48.6 48.7 271.7
815	BOOR_100.062de	0.375 0.375 1.0	1.0 1.0 1.0	0.625 0.687 0.0	0.375 0.538 1.0	59.2 0.9 -30.4	0.471 0.471 0.0	255 0.0 0.0	0.261 1.0 1.0	95.8 0.0 0.0	-48.6 48.7 271.7
816	BOOR_100.075de	0.25 0.25 1.0	1.0 1.0 1.0	0.75 0.625 0.0	0.25 0.445 1.0	41.9 1.1 -36.5	0.564 0.564 0.0	255 0.0 0.0	0.261 1.0 1.0	95.8 0.0 0.0	-48.6 48.7 271.7
817	BOOR_100.087de	0.125 0.125 1.0	1.0 1.0 1.0	0.875 0.562 0.0	0.125 0.353 1.0	44.6 1.2 -42.6	0.652 0.652 0.0	255 0.0 0.0	0.261 1.0 1.0	95.8 0.0 0.0	-48.6 48.7 271.7
818	BOOR_100.100de	0.0 0.0 1.0	1.0 1.0 1.0	1.0 0.5 0.0	0.0 0.261 1.0	37.3 1.4 -48.6	0.738 0.738 0.0	255 0.0 0.0	0.261 1.0 1.0	95.8 0.0 0.0	-48.6 48.7 271.7
819	YOOC_100.012de	0.875 0.875 1.0	1.0 1.0 1.0	0.125 0.937 0.0	1.0 0.971 0.875	94.3 -0.3 9.6	0.062 0.128 0.0	360 0.0 0.0	0.768 0.0 0.0	83.6 -3.1 76.8	76.9 92.3 0.0
820	BOOR_087.012de	0.875 0.875 1.0	1.0 1.0 1.0	0.125 0.875 0.0	0.875 0.875 0.875	86.8 0.0 0.0	0.017 0.018 0.0	360 0.0 0.0	1.0 1.0 1.0	95.8 0.0 0.0	0.0 0.0 0.0
821	BOOR_087.025de	0.75 0.75 1.0	1.0 1.0 1.0	0.25 0.812 0.0	0.75 0.782 0.875	79.5 0.1 -6.0	0.083 0.083 0.0	255 0.0 0.0	0.261 1.0 1.0	95.8 0.0 0.0	-48.6 48.7 271.7
822	BOOR_087.037de	0.625 0.625 1.0	1.0 1.0 1.0	0.375 0.75 0.0	0.625 0.69 0.875	72.8 0.3 -12.1	0.131 0.131 0.0	255 0.0 0.0	0.261 1.0 1.0	95.8 0.0 0.0	-48.6 48.7 271.7
823	BOOR_087.050de	0.5 0.5 1.0	1.0 1.0 1.0	0.5 0.687 0.0	0.5 0.597 0.875	64.8 0.5 -18.2	0.221 0.221 0.0	255 0.0 0.0	0.261 1.0 1.0	95.8 0.0 0.0	-48.6 48.7 271.7
824	BOOR_087.062de	0.375 0.375 1.0	1.0 1.0 1.0	0.625 0.625 0.0	0.375 0.505 0.875	57.5 0.7 -24.3	0.32 0.32 0.0	255 0.0 0.0	0.261 1.0 1.0	95.8 0.0 0.0	-48.6 48.7 271.7
825	BOOR_087.075de	0.25 0.25 1.0	1.0 1.0 1.0	0.75 0.562 0.0	0.25 0.413 0.875	50.2 0.9 -30.4	0.427 0.427 0.0	255 0.0 0.0	0.261 1.0 1.0	95.8 0.0 0.0	-48.6 48.7 271.7
826	BOOR_087.087de	0.125 0.125 1.0	1.0 1.0 1.0	0.875 0.5 0.0	0.125 0.328 0.875	42.9 1.1 -36.5	0.529 0.529 0.0	255 0.0 0.0	0.261 1.0 1.0	95.8 0.0 0.0	-48.6 48.7 271.7
827	YOOC_087.012de	0.875 0.875 1.0	1.0 1.0 1.0	0.125 0.875 0.0	0.0 0.228 0.875	35.6 1.2 -42.6	0.643 0.643 0.0	255 0.0 0.0	0.261 1.0 1.0	95.8 0.0 0.0	-48.6 48.7 271.7
828	YOOC_100.025de	0.875 0.875 1.0	1.0 1.0 1.0	0.25 0.812 0.0	1.0 0.942 0.75	92.7 -0.7 19.2	0.125 0.25 0.0	77 0.0 0.0	0.768 0.0 0.0	83.6 -3.1 76.8	76.9 92.3 0.0
829	YOOC_100.037de	0.75 0.75 1.0	1.0 1.0 1.0	0.375 0.75 0.0	0.75 0.846 0.75	85.3 0.0 9.6	0.055 0.149 0.0	77 0.0 0.0	0.768 0.0 0.0	83.6 -3.1 76.8	76.9 92.3 0.0
830	YOOC_100.050de	0.625 0.625 1.0	1.0 1.0 1.0	0.5 0.687 0.0	0.625 0.75 0.75	77.8 0.0 0.0	0.015 0.029 0.0	360 0.0 0.0	1.0 1.0 1.0	95.8 0.0 0.0	0.0 0.0 0.0
831	BOOR_075.012de	0.625 0.625 1.0	1.0 1.0 1.0	0.375 0.687 0.0	0.625 0.587 0.75	70.5 0.1 -6.0	0.076 0.076 0.0	255 0.0 0.0	0.261 1.0 1.0	95.8 0.0 0.0	-48.6 48.7 271.7
832	BOOR_075.025de	0.5 0.5 1.0	1.0 1.0 1.0	0.5 0.625 0.0	0.5 0.565 0.75	63.2 0.3 -12.1	0.158 0.158 0.0	255 0.0 0.0	0.261 1.0 1.0	95.8 0.0 0.0	-48.6 48.7 271.7
833	BOOR_075.037de	0.375 0.375 1.0	1.0 1.0 1.0	0.625 0.562 0.0	0.375 0.472 0.75	55.8 0.5 -18.2	0.237 0.237 0.0	255 0.0 0.0	0.261 1.0 1.0	95.8 0.0 0.0	-48.6 48.7 271.7
834	BOOR_075.050de	0.25 0.25 1.0	1.0 1.0 1.0	0.75 0.5 0.0	0.25 0.38 0.75	48.5 0.7 -24.3	0.341 0.341 0.0	255 0.0 0.0	0.261 1.0 1.0	95.8 0.0 0.0	-48.6 48.7 271.7
835	BOOR_075.062de	0.125 0.125 1.0	1.0 1.0 1.0	0.875 0.437 0.0	0.125 0.298 0.75	41.2 0.9 -30.4	0.439 0.439 0.0	255 0.0 0.0	0.261 1.0 1.0	95.8 0.0 0.0	-48.6 48.7 271.7
836	YOOC_075.075de	0.875 0.875 1.0	1.0 1.0 1.0	0.125 0.875 0.0	1.0 0.985 0.75	94.3 -0.3 9.6	0.062 0.128 0.0	360 0.0 0.0	0.768 0.0 0.0	83.6 -3.1 76.8	76.9 92.3 0.0
837	YOOC_100.037de	0.875 0.875 1.0	1.0 1.0 1.0	0.375 0.812 0.0	1.0 0.913 0.625	91.2 -1.1 28.8	0.125 0.375 0.0	77 0.0 0.0	0.768 0.0 0.0	83.6 -3.1 76.8	76.9 92.3 0.0
838	YOOC_087.025de	0.875 0.875 1.0	1.0 1.0 1.0	0.125 0.875 0.0	0.875 0.817 0.625	83.7 -1.1 28.8	0.084 0.262 0.0	77 0.0 0.0	0.768 0.0 0.0	83.6 -3.1 76.8	76.9 92.3 0.0
839	YOOC_075.012de	0.625 0.625 1.0	1.0 1.0 1.0	0.375 0.687 0.0	0.625 0.721 0.625	76.3 -0.3 9.6	0.066 0.186 0.0	77 0.0 0.0	0.768 0.0 0.0	83.6 -3.1 76.8	76.9 92.3 0.0
840	YOOC_062.012de	0.625 0.625 1.0	1.0 1.0 1.0	0.375 0.625 0.0	0.625 0.625 0.625	68.8 0.0 0.0	0.028 0.063 0.0	360 0.0 0.0	1.0 1.0 1.0	95.8 0.0 0.0	0.0 0.0 0.0
841	BOOR_062.012de	0.625 0.625 1.0	1.0 1.0 1.0	0.375 0.625 0.0	0.5 0.532 0.625	61.5 0.1 -6.0	0.064 0.064 0.0	255 0.0 0.0	0.261 1.0 1.0	95.8 0.0 0.0	-48.6 48.7 271.7
842	BOOR_062.025de	0.5 0.5 1.0	1.0 1.0 1.0	0.5 0.562 0.0	0.5 0.44 0.625	54.2 0.3 -12.1	0.131 0.131 0.0	255 0.0 0.0	0.261 1.0 1.0	95.8 0.0 0.0	-48.6 48.7 271.7
843	BOOR_062.037de	0.375 0.375 1.0	1.0 1.0 1.0	0.625 0.25 0.5	0.25 0.347 0.625	46.8 0.5 -18.2	0.219 0.219 0.0	255 0.0 0.0	0.261 1.0 1.0	95.8 0.0 0.0	-48.6 48.7 271.7
844	BOOR_062.050de	0.25 0.25 1.0	1.0 1.0 1.0	0.75 0.25 0.625	0.125 0.255 0.625	39.5 0.7 -24.3	0.321 0.321 0.0	255 0.0 0.0	0.261 1.0 1.0	95.8 0.0 0.0	-48.6 48.7 271.7
845	BOOR_062.062de	0.0 0.0 1.0	1.0 1.0 1.0	0.875 0.25 0.625	0.0 0.163 0.625	32.2 0.9 -30.4	0.431 0.431 0.0	255 0.0 0.0	0.261 1.0 1.0	95.8 0.0 0.0	-48.6 48.7 271.7
846	YOOC_100.050de	0.875 0.875 1.0	1.0 1.0 1.0	0.125 0.875 0.0	1.0 0.884 0.5	88.4 0.0 0.0	0.059 0.125 0.0	77 0.0 0.0	0.768 0.0 0.0	83.6 -3.1 76.8	76.9 92.3 0.0
847	YOOC_087.037de	0.875 0.875 1.0	1.0 1.0 1.0	0.125 0.875 0.0	0.875 0.788 0.5	82.2 -1.1 28.8	0.142 0.142 0.0	77 0.0 0.0	0.768 0.0 0.0	83.6 -3.1 76.8	76.9 92.3 0.0
848	YOOC_075.025de	0.75 0.75 1.0	1.0 1.0 1.0	0.375 0.625 0.0	0.75 0.692 0.5	74.7 -0.7 19.2	0.116 0.325 0.0	77 0.0 0.0	0.768 0.0 0.0	83.6 -3.1 76.8	76.9 92.3 0.0
849	YOOC_062.012de	0.625 0.625 1.0	1.0 1.0 1.0	0.375 0.625 0.0	0.625 0.596 0.5	67.3 -0.3 9.6	0.086 0.237 0.0	77 0.0 0.0	0.768 0.0 0.0	83.6 -3.1 76.8	76.9 92.3 0.0
850	NW_050de	0.5 0.5 1.0	1.0 1.0 1.0	0.5 0.5 0.5	0.5 0.5 0.5	59.8 0.0 0.0	0.029 0.059 0.0	360 0.0 0.0	1.0 1.0 1.0	95.8 0.0 0.0	0.0 0.0 0.0
851	BOOR_050.012de	0.375 0.375 1.0	1.0 1.0 1.0	0.5 0.125 0.437 0.0	0.375 0.407 0.5	52.5 0.1 -6.0	0.066 0.066 0.0	255 0.0 0.0	0.261 1.0 1.0	95.8 0.0 0.0	-48.6 48.7 271.7
852	BOOR_050.025de	0.25 0.25 1.0	1.0 1.0 1.0	0.625 0.25 0.5	0.25 0.315 0.5	45.2 0.3 -12.1	0.188 0.188 0.0	255 0.0 0.0	0.261 1.0 1.0	95.8 0.0 0.0	-48.6 48.7 271.7
853	BOOR_050.037de	0.125 0.125 1.0	1.0 1.0 1.0	0.75 0.125 0.312 0.0	0.124 0.222 0.5	37.8 0.5 -18.2	0.273 0.273 0.0	255 0.0 0.0	0.261 1.0 1.0	95.8 0.0 0.0	-48.6 48.7 271.7
854	BOOR_050.050de	0.0 0.0 1.0	1.0 1.0 1.0	0.875 0.125 0.25 0.0	0.0 0.13 0.5	30.0 0.7 -24.3	0.391 0.391 0.0	255 0.0 0.0	0.261 1.0 1.0	95.8 0.0 0.0	-48.6 48.7 271.7
855	YOOC_100.062de	0.875 0.875 1.0	1.0 1.0 1.0	0.125 0.875 0.0	1.0 0.855 0.375	88.2 -1.9 48.0	0.133 0.595 0.0	77 0.0 0.0	0.768 0.0 0.0	83.6 -3.1 76.8	76.9 92.3 0.0
856	YOOC_087.050de	0.875 0.875 1.0	1.0 1.0 1.0	0.125 0.875 0.0	0.875 0.759 0.375	80.7 -1.5 38.4	0.145 0.522 0.0	77 0.0 0.0	0.768 0.0 0.0	83.6 -3.1 76.8	76.9 92.3 0.0
857	YOOC_075.037de	0.75 0.75 1.0	1.0 1.0 1.0	0.375 0.625 0.0	0.75 0.663 0.375	73.2 -1.1 28.8	0.157 0.453 0.0	77 0.0 0.0	0.768 0.0 0.0	83.6 -3.1 76.8	76.9 92.3 0.0
858	YOOC_062.025de	0.625 0.625 1.0	1.0 1.0 1.0	0.375 0.625 0.0	0.625 0.567 0.375	65.7 -0.7 19.2	0.145 0.388 0.0	77 0.0 0.0	0.768 0.0 0.0	83.6 -3.1 76.8	76.9 92.3 0.0
859	NW_037de	0.5 0.5 1.0	1.0 1.0 1.0	0.5 0.125 0.437 0.0	0.5 0.471 0.375	50.8 0.0 0.0	0.026 0.052 0.0	360 0.0 0.0	1.0 1.0 1.0	95.8 0.0 0.0	0.0 0.0 0.0
860	BOOR_037.012de	0.375 0.375 1.0	1.0 1.0 1.0	0.375 0.375 0.0	0.375 0.375 0.375	50.8 0.0 0.0	0.066 0.066 0.0	255 0.0 0.0	0.261 1.0 1.0	95.8 0.0 0.0	-48.6 48.7 271.7
861	BOOR_037.025de	0.25 0.25 1.0	1.0 1.0 1.0	0.5 0.375 0.125 0.312 0.0	0.249 0.282 0.375	43.5 0.1 -6.0	0.106 0.229 0.0	255 0.0 0.0	0.261 1.0 1.0	95.8 0.0 0.0	-48.6 48.7 271.7
862	BOOR_037.037de	0.125 0.125 1.0	1.0 1.0 1.0	0.625 0.375 0.187 0.270	0.124 0.19 0.375	35.2 0.3 -12.1	0.204 0.204 0.0	255 0.0 0.0	0.261 1.0 1.0	95.8 0.0 0.0	-48.6 48.7 271.7
863	YOOC_100.075de	0.875 0.875 1.0	1.0 1.0 1.0	0.125 0.875 0.0	1.0 0.997 0.375	28.8 0.5 -18.2	0.338 0.338 0.0	255 0.0 0.0	0.261 1.0 1.0	95.8 0.0 0.0	-48.6 48.7 271.7
864	YOOC_100.050de	0.875 0.875 1.0	1.0 1.0 1.0	0.125 0.875 0.0	1.0 0.836 0.25	86.7 -2.3 57.6	0.153 0.449 0.0	77 0.0 0.0	0.768 0.0 0.0	83.6 -3.1 76.8	76.9 92.3 0.0
865	YOOC_087.062de	0.875 0.875 1.0	1.0 1.0 1.0	0.125 0.875 0.0	0.875 0.73 0.25	79.2 -1.9 48.0	0.189 0.664 0.15	77 0.0 0.0	0.768 0.0 0.0	83.6 -3.1 76.8	76.9 92.3 0.0
866	YOOC_087.050de	0.875									

Table with 15 columns: n, HHC\*File, rpb\*File, icr\*File, hsa\*File, rpb\*File, LabCM\*File, cmyk\*sep,File, cmyk\*sep,File, LabCM\*File, hsa\*File, rpb\*File, LabCM\*File, delta. Rows include file names like NV\_1000e, B50R\_100.012de, etc.

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



http://130.149.60.45/~farbmetrik/QS49/QS49LOFP.PDF /.PS; 3D-linealización  
F: 3D-linealización QS49/QS49L30FP.DAT en archivo (F), página 32/33

n	HC*File	rgb*File	icr*File	hsa*File	rgb*File	LabCM*File	cmyk*sep*File	hsa*File	rgb*File	LabCM*File
972	NW_000de	0.125	0.125	0.0	0.0	23.8	0.0	360	1.0	1.0
973	NW_012de	0.125	0.125	0.0	0.0	23.8	0.0	360	1.0	1.0
974	NW_025de	0.25	0.25	0.0	0.0	41.8	0.0	360	1.0	1.0
975	NW_037de	0.375	0.375	0.0	0.0	59.8	0.0	360	1.0	1.0
976	NW_050de	0.5	0.5	0.0	0.0	77.8	0.0	360	1.0	1.0
977	NW_062de	0.625	0.625	0.0	0.0	95.8	0.0	360	1.0	1.0
978	NW_075de	0.75	0.75	0.0	0.0	113.8	0.0	360	1.0	1.0
979	NW_087de	0.875	0.875	0.0	0.0	131.8	0.0	360	1.0	1.0
980	NW_100de	1.0	1.0	0.0	0.0	149.8	0.0	360	1.0	1.0
981	NW_112de	0.125	0.125	0.0	0.0	167.8	0.0	360	1.0	1.0
982	NW_012de	0.125	0.125	0.0	0.0	185.8	0.0	360	1.0	1.0
983	NW_025de	0.25	0.25	0.0	0.0	203.8	0.0	360	1.0	1.0
984	NW_037de	0.375	0.375	0.0	0.0	221.8	0.0	360	1.0	1.0
985	NW_050de	0.5	0.5	0.0	0.0	239.8	0.0	360	1.0	1.0
986	NW_062de	0.625	0.625	0.0	0.0	257.8	0.0	360	1.0	1.0
987	NW_075de	0.75	0.75	0.0	0.0	275.8	0.0	360	1.0	1.0
988	NW_087de	0.875	0.875	0.0	0.0	293.8	0.0	360	1.0	1.0
989	NW_100de	1.0	1.0	0.0	0.0	311.8	0.0	360	1.0	1.0
990	NW_000de	0.0	0.0	0.0	0.0	329.8	0.0	360	1.0	1.0
991	NW_012de	0.125	0.125	0.0	0.0	347.8	0.0	360	1.0	1.0
992	NW_025de	0.25	0.25	0.0	0.0	365.8	0.0	360	1.0	1.0
993	NW_037de	0.375	0.375	0.0	0.0	383.8	0.0	360	1.0	1.0
994	NW_050de	0.5	0.5	0.0	0.0	401.8	0.0	360	1.0	1.0
995	NW_062de	0.625	0.625	0.0	0.0	419.8	0.0	360	1.0	1.0
996	NW_075de	0.75	0.75	0.0	0.0	437.8	0.0	360	1.0	1.0
997	NW_087de	0.875	0.875	0.0	0.0	455.8	0.0	360	1.0	1.0
998	NW_100de	1.0	1.0	0.0	0.0	473.8	0.0	360	1.0	1.0
999	NW_000de	0.0	0.0	0.0	0.0	491.8	0.0	360	1.0	1.0
1000	NW_012de	0.125	0.125	0.0	0.0	509.8	0.0	360	1.0	1.0
1001	NW_025de	0.25	0.25	0.0	0.0	527.8	0.0	360	1.0	1.0
1002	NW_037de	0.375	0.375	0.0	0.0	545.8	0.0	360	1.0	1.0
1003	NW_050de	0.5	0.5	0.0	0.0	563.8	0.0	360	1.0	1.0
1004	NW_062de	0.625	0.625	0.0	0.0	581.8	0.0	360	1.0	1.0
1005	NW_075de	0.75	0.75	0.0	0.0	599.8	0.0	360	1.0	1.0
1006	NW_087de	0.875	0.875	0.0	0.0	617.8	0.0	360	1.0	1.0
1007	NW_100de	1.0	1.0	0.0	0.0	635.8	0.0	360	1.0	1.0
1008	NW_000de	0.066	0.066	0.0	0.0	653.8	0.0	360	1.0	1.0
1009	NW_006de	0.133	0.133	0.0	0.0	671.8	0.0	360	1.0	1.0
1010	NW_013de	0.2	0.2	0.0	0.0	689.8	0.0	360	1.0	1.0
1011	NW_020de	0.266	0.266	0.0	0.0	707.8	0.0	360	1.0	1.0
1012	NW_026de	0.333	0.333	0.0	0.0	725.8	0.0	360	1.0	1.0
1013	NW_033de	0.4	0.4	0.0	0.0	743.8	0.0	360	1.0	1.0
1014	NW_040de	0.466	0.466	0.0	0.0	761.8	0.0	360	1.0	1.0
1015	NW_046de	0.533	0.533	0.0	0.0	779.8	0.0	360	1.0	1.0
1016	NW_053de	0.6	0.6	0.0	0.0	797.8	0.0	360	1.0	1.0
1017	NW_060de	0.666	0.666	0.0	0.0	815.8	0.0	360	1.0	1.0
1018	NW_066de	0.733	0.733	0.0	0.0	833.8	0.0	360	1.0	1.0
1019	NW_073de	0.8	0.8	0.0	0.0	851.8	0.0	360	1.0	1.0
1020	NW_080de	0.866	0.866	0.0	0.0	869.8	0.0	360	1.0	1.0
1021	NW_086de	0.933	0.933	0.0	0.0	887.8	0.0	360	1.0	1.0
1022	NW_093de	1.0	1.0	0.0	0.0	905.8	0.0	360	1.0	1.0
1023	NW_100de	0.066	0.066	0.0	0.0	923.8	0.0	360	1.0	1.0
1024	NW_006de	0.133	0.133	0.0	0.0	941.8	0.0	360	1.0	1.0
1025	NW_013de	0.2	0.2	0.0	0.0	959.8	0.0	360	1.0	1.0
1026	NW_020de	0.266	0.266	0.0	0.0	977.8	0.0	360	1.0	1.0
1027	NW_026de	0.333	0.333	0.0	0.0	995.8	0.0	360	1.0	1.0
1028	NW_033de	0.4	0.4	0.0	0.0	1013.8	0.0	360	1.0	1.0
1029	NW_040de	0.466	0.466	0.0	0.0	1031.8	0.0	360	1.0	1.0
1030	NW_046de	0.533	0.533	0.0	0.0	1049.8	0.0	360	1.0	1.0
1031	NW_053de	0.6	0.6	0.0	0.0	1067.8	0.0	360	1.0	1.0
1032	NW_060de	0.666	0.666	0.0	0.0	1085.8	0.0	360	1.0	1.0
1033	NW_066de	0.733	0.733	0.0	0.0	1103.8	0.0	360	1.0	1.0
1034	NW_073de	0.8	0.8	0.0	0.0	1121.8	0.0	360	1.0	1.0
1035	NW_080de	0.866	0.866	0.0	0.0	1139.8	0.0	360	1.0	1.0
1036	NW_086de	0.933	0.933	0.0	0.0	1157.8	0.0	360	1.0	1.0
1037	NW_093de	1.0	1.0	0.0	0.0	1175.8	0.0	360	1.0	1.0
1038	NW_100de	0.066	0.066	0.0	0.0	1193.8	0.0	360	1.0	1.0
1039	NW_006de	0.133	0.133	0.0	0.0	1211.8	0.0	360	1.0	1.0
1040	NW_013de	0.2	0.2	0.0	0.0	1229.8	0.0	360	1.0	1.0
1041	NW_020de	0.266	0.266	0.0	0.0	1247.8	0.0	360	1.0	1.0
1042	NW_026de	0.333	0.333	0.0	0.0	1265.8	0.0	360	1.0	1.0
1043	NW_033de	0.4	0.4	0.0	0.0	1283.8	0.0	360	1.0	1.0
1044	NW_040de	0.466	0.466	0.0	0.0	1301.8	0.0	360	1.0	1.0
1045	NW_046de	0.533	0.533	0.0	0.0	1319.8	0.0	360	1.0	1.0
1046	NW_053de	0.6	0.6	0.0	0.0	1337.8	0.0	360	1.0	1.0
1047	NW_060de	0.666	0.666	0.0	0.0	1355.8	0.0	360	1.0	1.0
1048	NW_066de	0.733	0.733	0.0	0.0	1373.8	0.0	360	1.0	1.0
1049	NW_073de	0.8	0.8	0.0	0.0	1391.8	0.0	360	1.0	1.0
1050	NW_080de	0.866	0.866	0.0	0.0	1409.8	0.0	360	1.0	1.0
1051	NW_086de	0.933	0.933	0.0	0.0	1427.8	0.0	360	1.0	1.0
1052	NW_093de	1.0	1.0	0.0	0.0	1445.8	0.0	360	1.0	1.0

delta

gráfico TUB-QS49; código de tono: H\*e=Y25Ge  
colores y diferencia en color, ΔE\*<sup>\*</sup>

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

