

Entrada i salida: Offset Reflective System ORS18a for relative CIELAB hue  $h_{ab,a,rel} = h_{ab}/360 = 68/360 = 0.19$

$H^*_ = R50Y_$

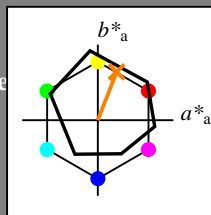
Datos del dispositivo (d) o elemental (e) color:

$HIC^*_$

código de tono para los colores de esta página:

$H^*_ = R50Y_$

triángulo claridad  $T^*$



**ORS18a; datos adaptados CIELAB (a)**

name	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
R <sub>-,Ma</sub>	47.9	65.3	50.5	82.6	37
Y <sub>-,Ma</sub>	90.3	-10.2	91.7	92.3	96
G <sub>-,Ma</sub>	50.9	-62.8	34.9	71.9	150
C <sub>-,Ma</sub>	58.6	-30.3	-45.0	54.2	236
B <sub>-,Ma</sub>	25.7	31.0	-44.4	54.2	305
M <sub>-,Ma</sub>	48.1	75.2	-8.3	75.7	353
N <sub>-,Ma</sub>	18.0	0.0	0.0	0.0	0
W <sub>-,Ma</sub>	95.4	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):

$LabCh^*_{-,Ma}$ : 68 25 63 68 68

$HIC^*_{-,Ma}$ : R50Y\_100\_100\_

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

1.0 0.5 0.0 1.0 1.0

triángulo claridad  $T^*$

%Gama

$u^*_{rel} = 92$

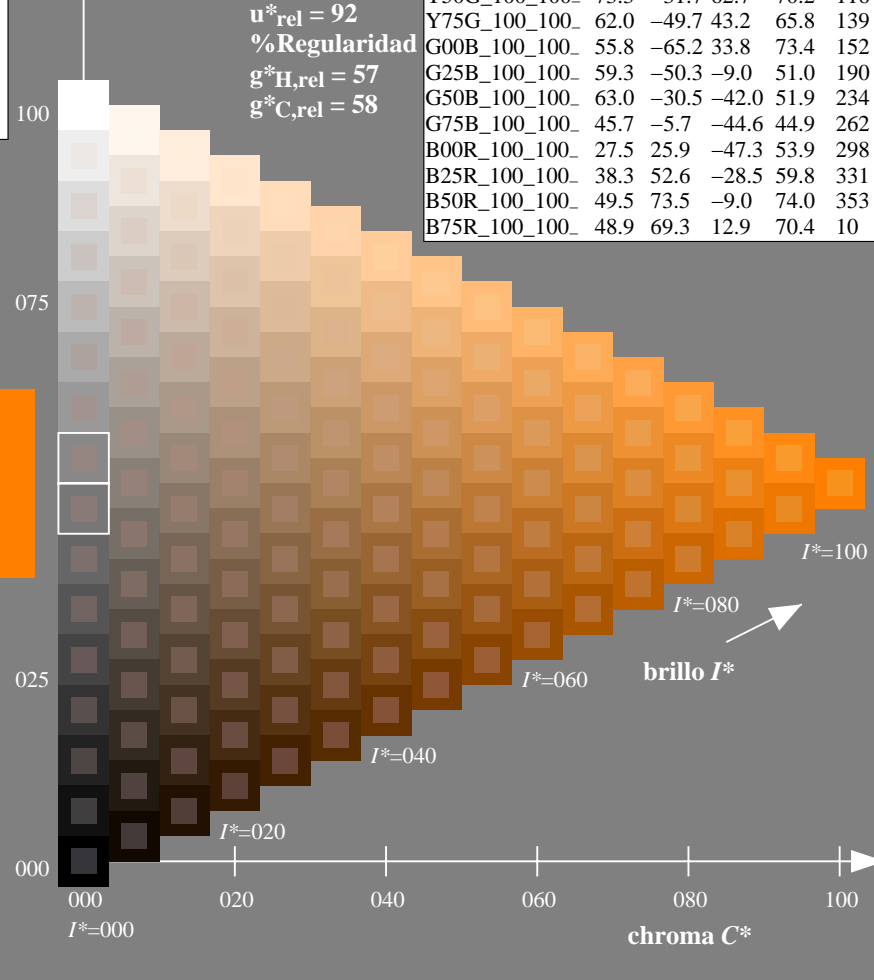
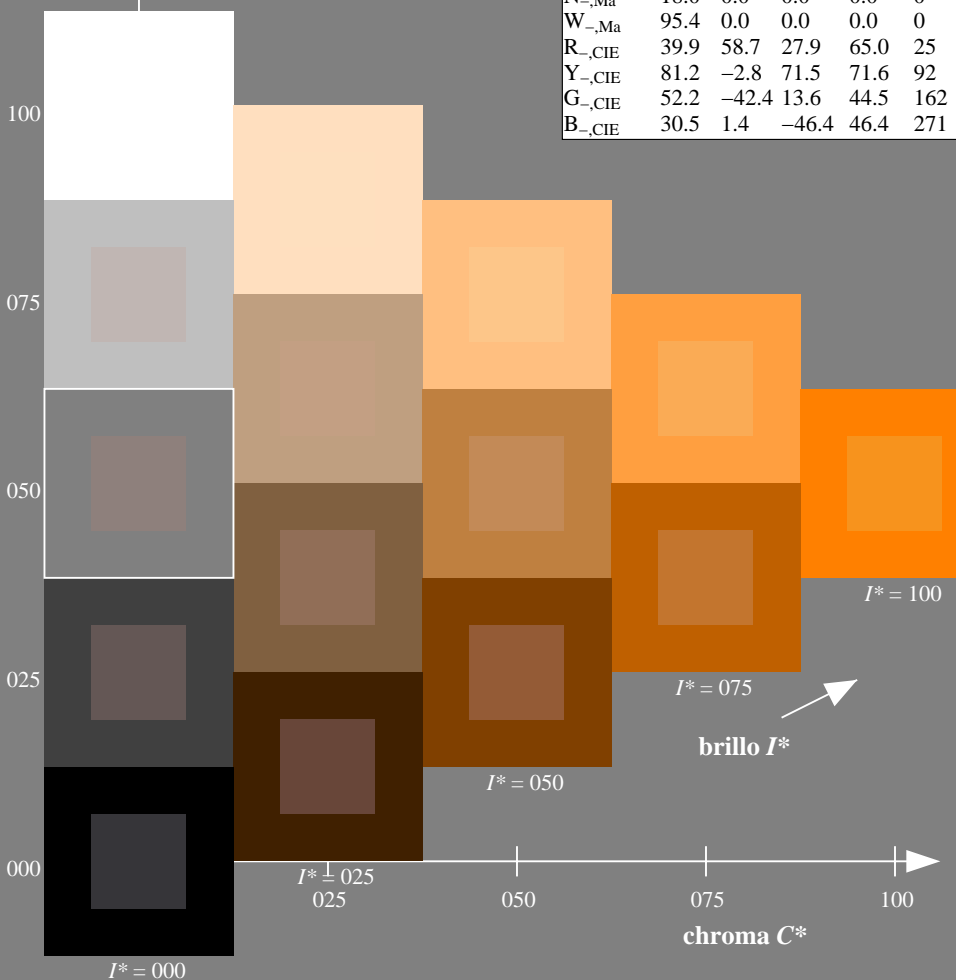
%Regularidad

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

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

**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/QS15/QS15.HTM>  
 información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

TUB matrícula: 20130201-QS15/QS15L0FP.PDF /.PS  
 aplicación para la medida salida en la impresión offset

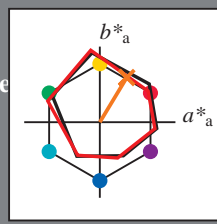
TUB material: code=rh4ta

Entrada i salida: Offset Reflective System ORS18a for relative CIELAB hue  $h_{ab,a,rel} = h_{ab}/360 = 58/360 = 0.16$

$H^*_e = R50Y_e$

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

$HIC^*_e$   
código de tono para los colores  
esta página:  
 $H^*_e = R50Y_e$   
triángulo claridad  $T^*$



ORS20a; datos adaptados CIELAB (a)

name	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
Re,Ma	47.6	64.9	30.9	71.9	25
Ye,Ma	82.9	-3.5	87.8	87.9	92
Ge,Ma	52.4	-67.1	21.5	70.5	162
Ce,Ma	56.6	-39.7	-29.9	49.8	216
Be,Ma	37.9	1.3	-45.4	45.4	271
Me,Ma	34.8	49.2	-30.0	57.7	328
Ne,Ma	17.7	0.0	0.0	0.0	0
We,Ma	95.4	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):

$LabCh^*_{e, Ma}$ : 60 35 59 68 58

$HIC^*_{e, Ma}$ : R50Y\_100\_100\_e

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

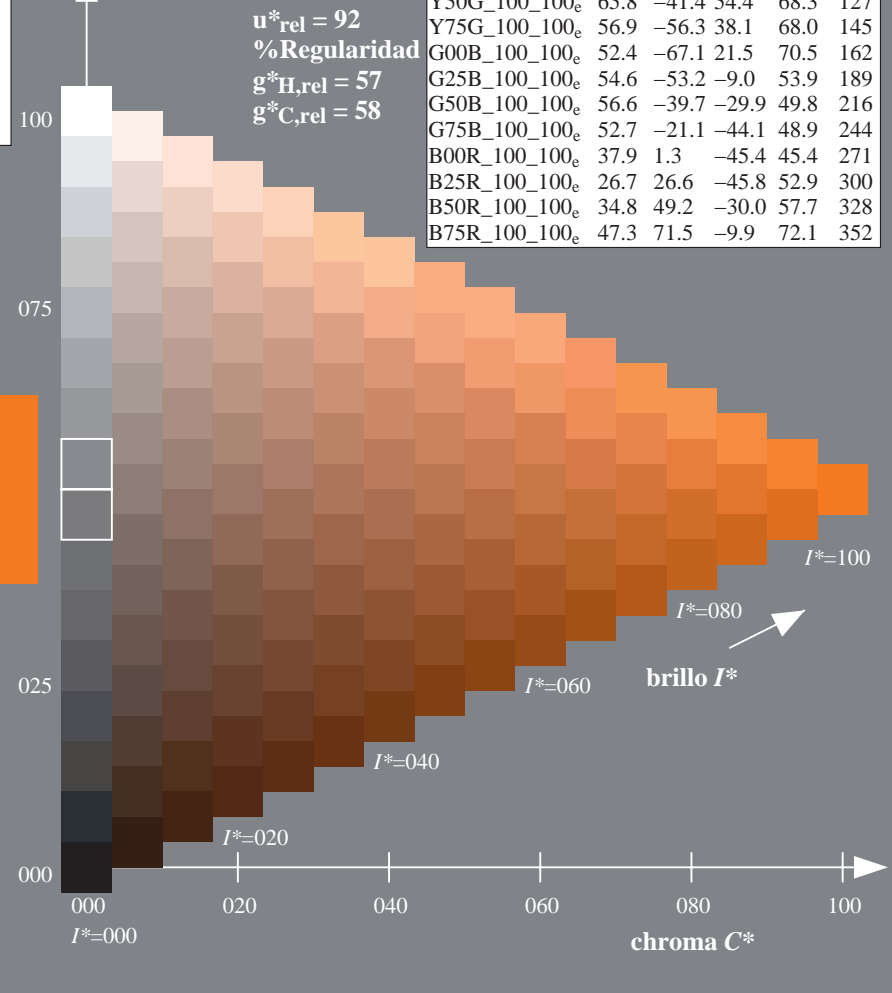
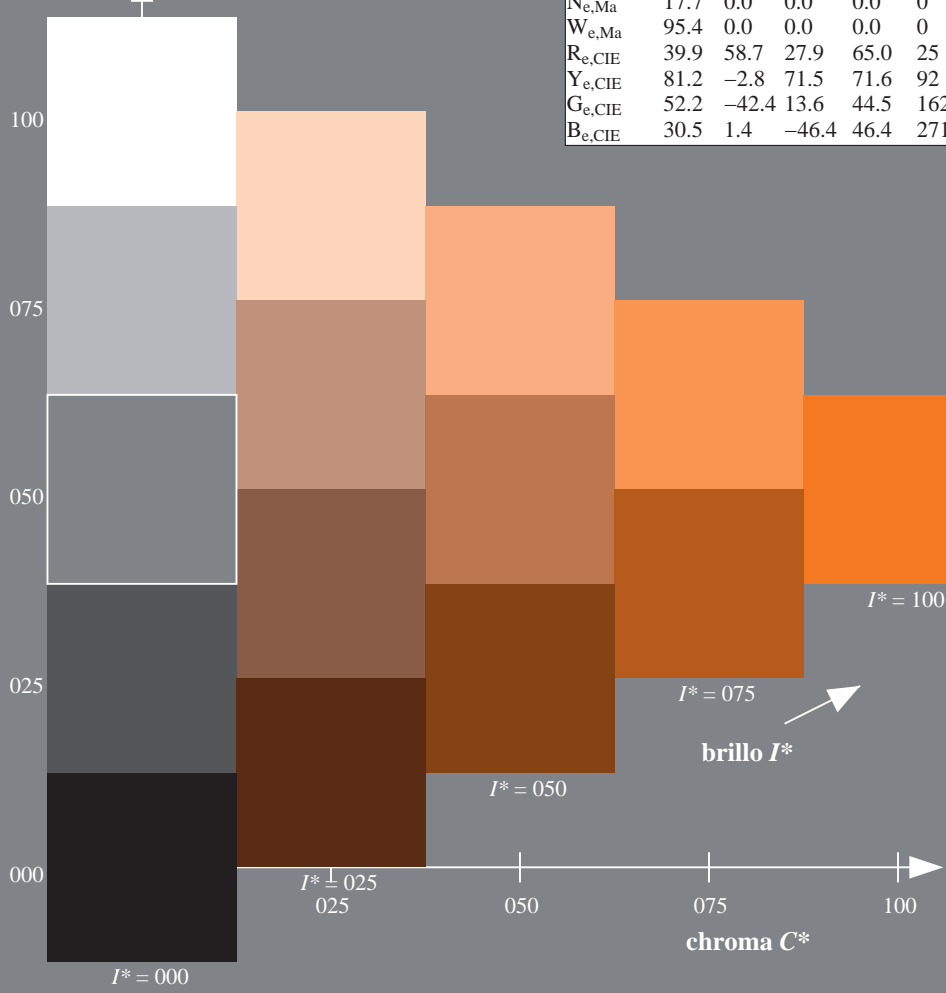
1.0 0.34 0.0 1.0 1.0

triángulo claridad  $T^*$

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

ORS20a; datos adaptados CIELAB (a)

$H^*_e$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100_e	47.6	64.9	30.9	71.9	25
R25Y_100_100_e	51.5	54.2	47.2	71.9	41
R50Y_100_100_e	60.3	35.6	59.0	68.9	58
R75Y_100_100_e	70.4	17.0	72.2	74.1	76
Y00G_100_100_e	82.9	-3.5	87.8	87.9	92
Y25G_100_100_e	76.9	-25.5	75.9	80.1	108
Y50G_100_100_e	65.8	-41.4	54.4	68.3	127
Y75G_100_100_e	56.9	-56.3	38.1	68.0	145
G00B_100_100_e	52.4	-67.1	21.5	70.5	162
G25B_100_100_e	54.6	-53.2	-9.0	53.9	189
G50B_100_100_e	56.6	-39.7	-29.9	49.8	216
G75B_100_100_e	52.7	-21.1	-44.1	48.9	244
B00R_100_100_e	37.9	1.3	-45.4	45.4	271
B25R_100_100_e	26.7	26.6	-45.8	52.9	300
B50R_100_100_e	34.8	49.2	-30.0	57.7	328
B75R_100_100_e	47.3	71.5	-9.9	72.1	352

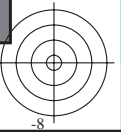


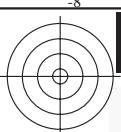
vea archivos semejantes: <http://130.149.60.45/~farbmetrik/QS15/QS15.HTM>  
información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

TUB matrícula: 20130201-QS15/QS15L0FP.PDF /.PS  
aplicación para la medida salida en la impresión offset, separación cmy6\* (CMYK)  
TUB material: code=rh4ta

gráfico TUB-QS15; código de tono:  $H^*_e=R50Y_e$   
gráfico según a DIN 33872, 3D=1, de=1,  $cmyk^*$

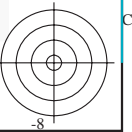
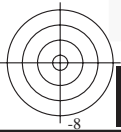
entrada:  $rgb/cmyk \rightarrow rgb_{de}$   
salida: 3D-linealización a  $cmyk^*_{de}$





vea archivos semejantes: <http://130.149.60.45/~farbmetrik/QS15/QS15.HTM>  
información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

TUB matrícula: 20130201-QS15/QS15L0FP.PDF /.PS  
aplicación para la medida salida en la impresión offset, separación cmykn6\* (CMYK)  
TUB material: code=rh4ta



2-113230-L0 QS150-73

gráfico TUB-QS15; código de tono:  $H^*_e=R50Y_e$   
gráfico según a DIN 33872, 3D=1, de=1,  $cmyk^*$

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

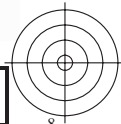
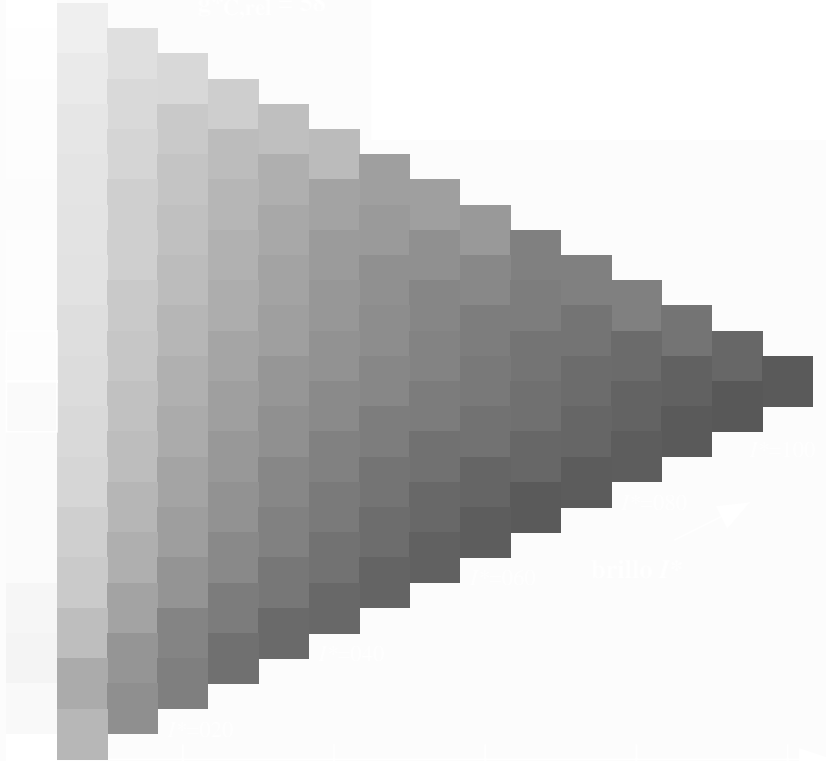
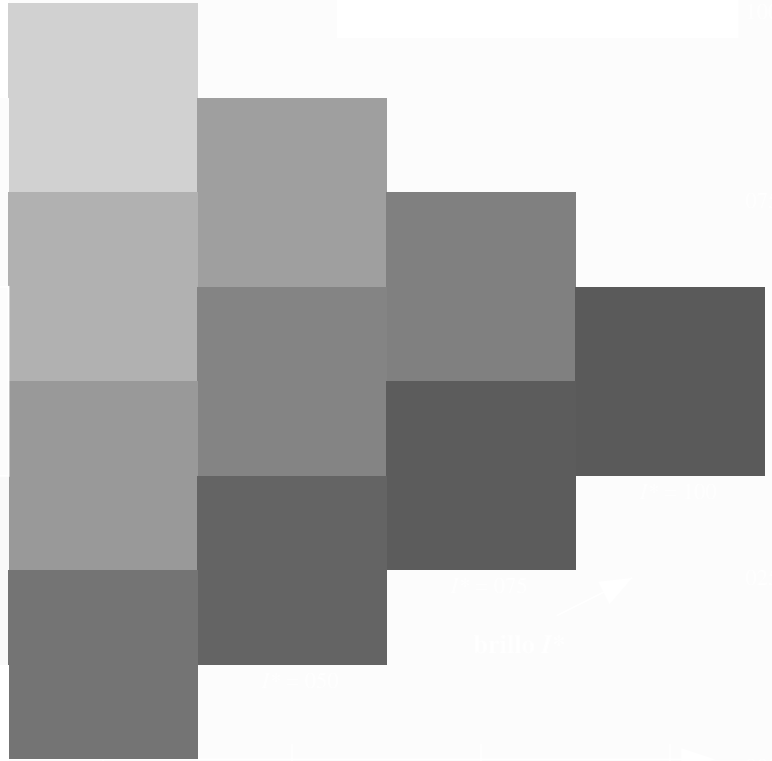
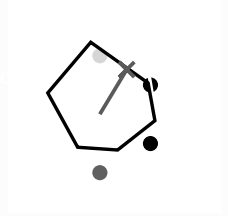
2=113230-F0





vea archivos semejantes: <http://130.149.60.45/~farbmetrik/QS15/QS15.HTM>  
información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

TUB matrícula: 20130201-QS15/QS15L0FP.PDF /.PS TUB material: code=rh4ta  
aplicación para la medida salida en la impresión offset, separación cmyk\* (CMYK)



2-113330-L0 QS150-73

gráfico TUB-QS15; código de tono:  $H^*_e=R50Y_e$   
gráfico según a DIN 33872, 3D=1, de=1, *cmyk\**

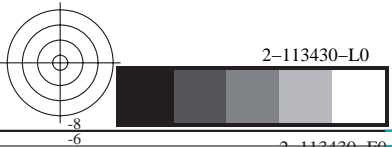
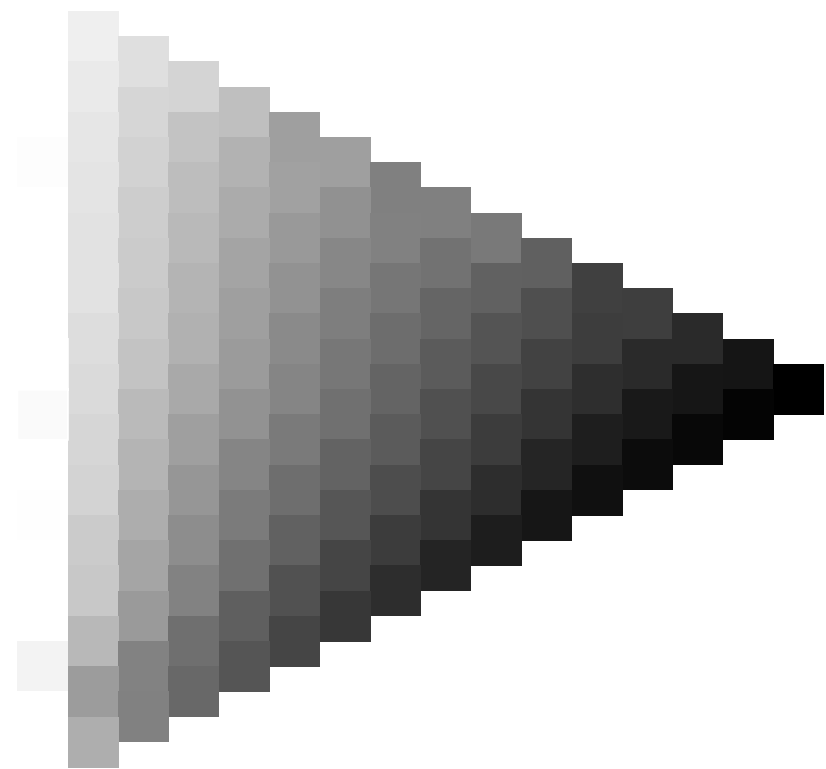
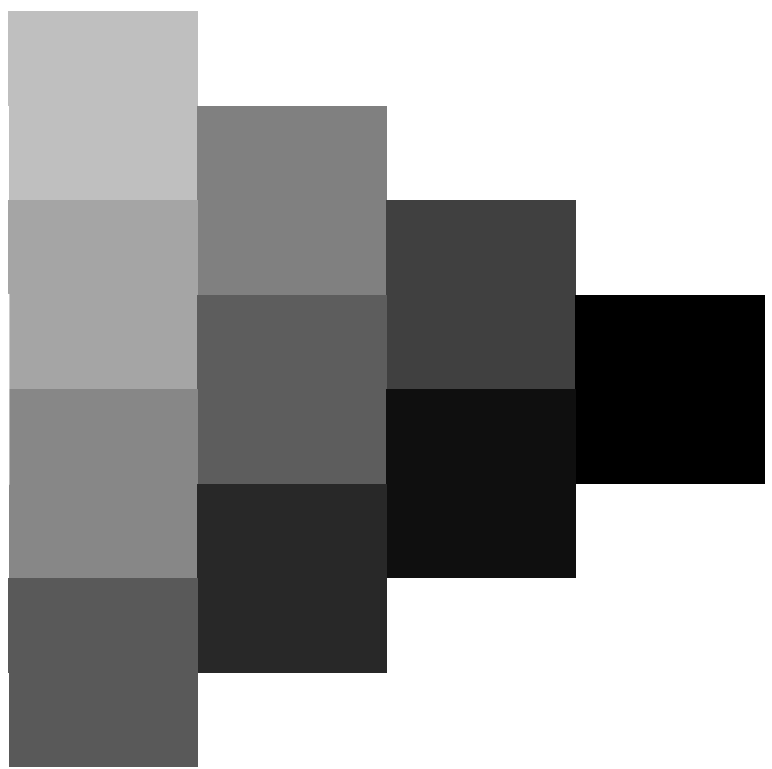
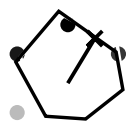
entrada: *rgb/cmyk* -> *rgb*<sub>de</sub>  
salida: 3D-linealización a *cmyk\**<sub>de</sub>

2=113330-F0





vea archivos semejantes: <http://130.149.60.45/~farbmetrik/QS15/QS15.HTM>  
información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

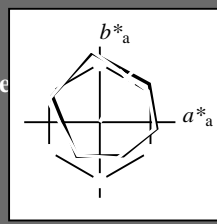


Entrada i salida: Offset Reflective System ORS18a for relative CIELAB hue  $h_{ab,a,rel} = h_{ab}/360 = 58/360 = 0.16$

$H^*_e = R50Y_e$

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

$HIC^*_e$   
código de tono para los colores  
esta página:  
 $H^*_e = R50Y_e$   
triángulo claridad  $T^*$



ORS20a; datos adaptados CIELAB (a)

name	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
Re,Ma	47.6	64.9	30.9	71.9	25
Ye,Ma	82.9	-3.5	87.8	87.9	92
Ge,Ma	52.4	-67.1	21.5	70.5	162
Ce,Ma	56.6	-39.7	-29.9	49.8	216
Be,Ma	37.9	1.3	-45.4	45.4	271
Me,Ma	34.8	49.2	-30.0	57.7	328
Ne,Ma	17.7	0.0	0.0	0.0	0
We,Ma	95.4	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 $^*_e, Ma$ : 60 35 59 68 58

$HIC^*_e, Ma$ : R50Y\_100\_100 $_e$

rgbic $^*_e, Ma$ :

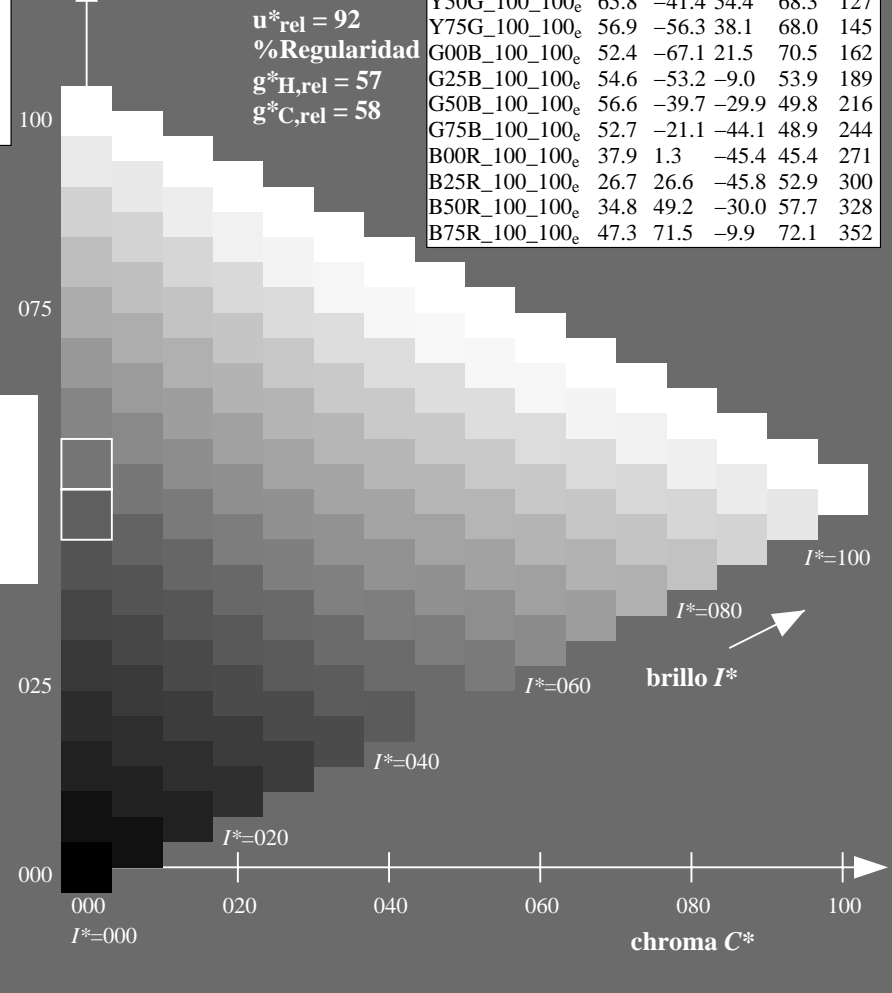
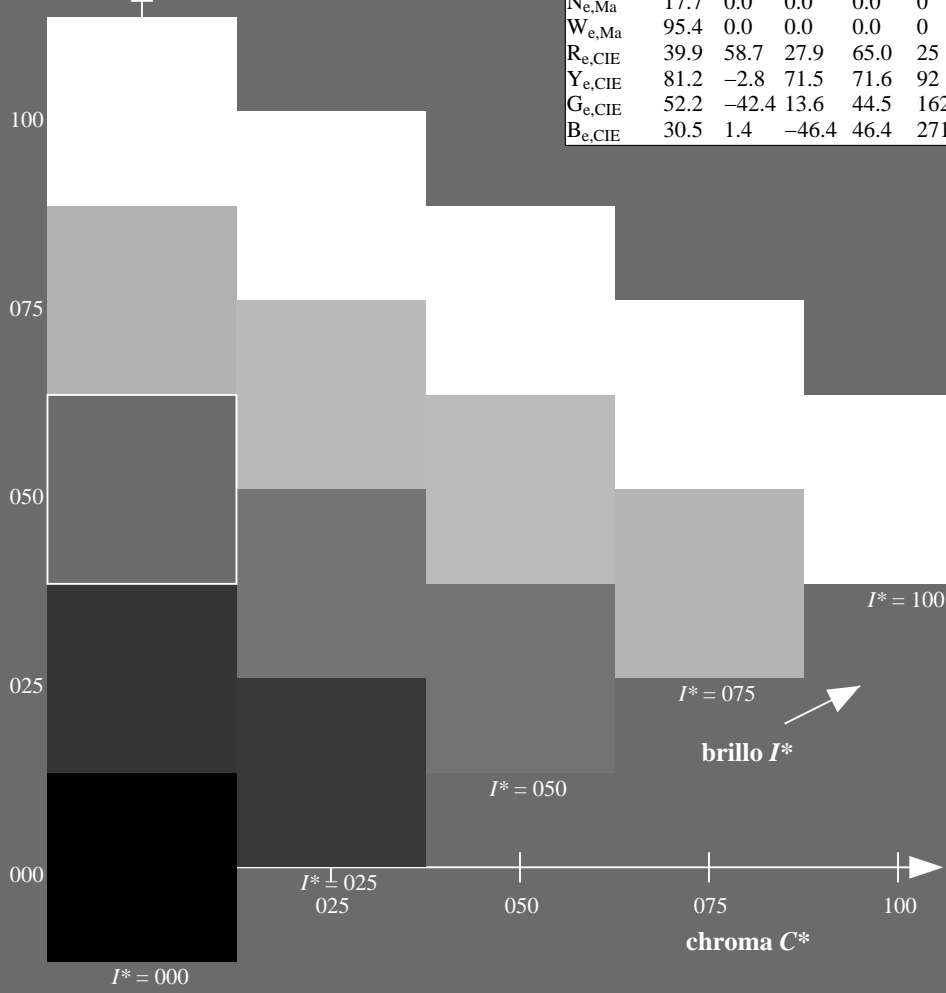
1.0 0.34 0.0 1.0 1.0

triángulo claridad  $T^*$

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

ORS20a; datos adaptados CIELAB (a)

$H^*_e$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100 $_e$	47.6	64.9	30.9	71.9	25
R25Y_100_100 $_e$	51.5	54.2	47.2	71.9	41
R50Y_100_100 $_e$	60.3	35.6	59.0	68.9	58
R75Y_100_100 $_e$	70.4	17.0	72.2	74.1	76
Y00G_100_100 $_e$	82.9	-3.5	87.8	87.9	92
Y25G_100_100 $_e$	76.9	-25.5	75.9	80.1	108
Y50G_100_100 $_e$	65.8	-41.4	54.4	68.3	127
Y75G_100_100 $_e$	56.9	-56.3	38.1	68.0	145
G00B_100_100 $_e$	52.4	-67.1	21.5	70.5	162
G25B_100_100 $_e$	54.6	-53.2	-9.0	53.9	189
G50B_100_100 $_e$	56.6	-39.7	-29.9	49.8	216
G75B_100_100 $_e$	52.7	-21.1	-44.1	48.9	244
B00R_100_100 $_e$	37.9	1.3	-45.4	45.4	271
B25R_100_100 $_e$	26.7	26.6	-45.8	52.9	300
B50R_100_100 $_e$	34.8	49.2	-30.0	57.7	328
B75R_100_100 $_e$	47.3	71.5	-9.9	72.1	352

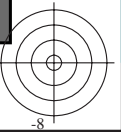
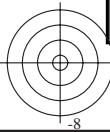


vea archivos semejantes: <http://130.149.60.45/~farbmetrik/QS15/QS15.HTM>  
información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

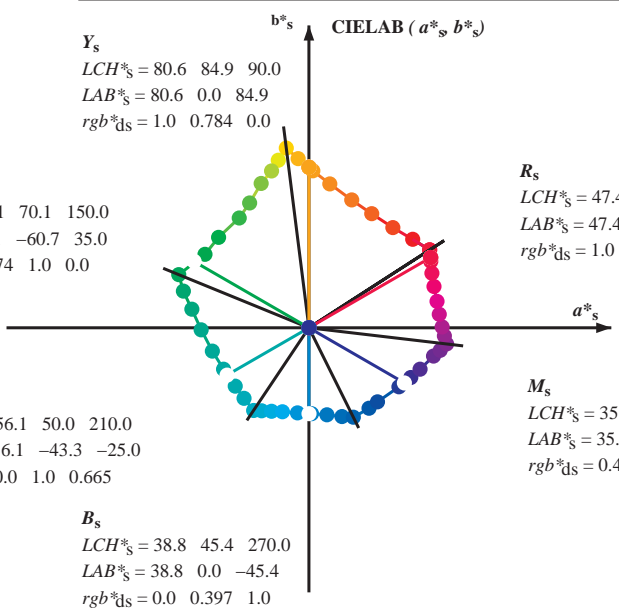
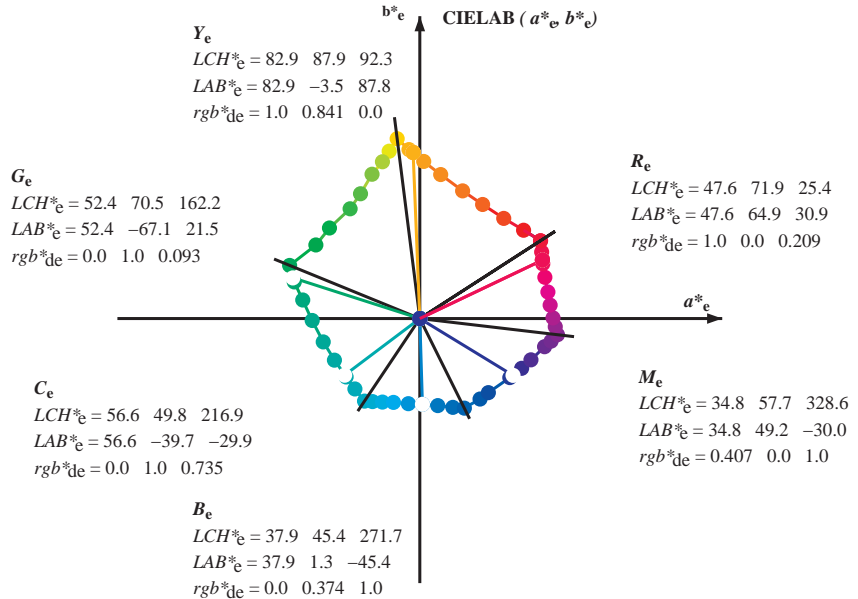
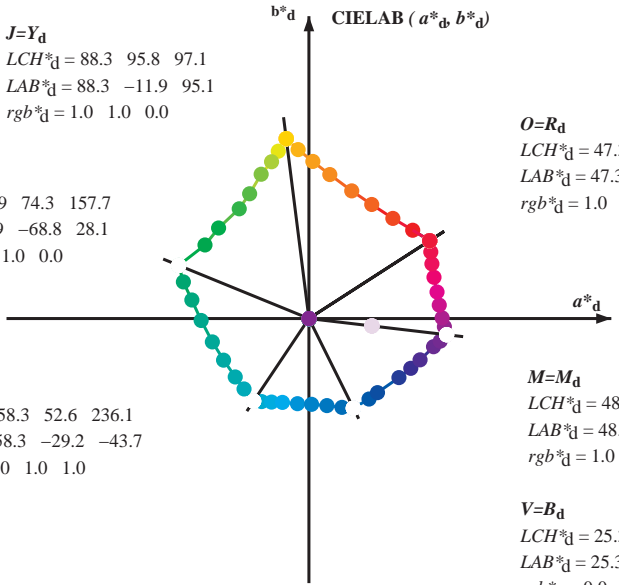
TUB matrícula: 20130201-QS15/QS15L0FP.PDF /.PS  
aplicación para la medida salida en la impresión offset, separación cmy6\* (CMYK)  
TUB material: code=rh4ta

gráfico TUB-QS15; código de tono:  $H^*_e=R50Y_e$   
gráfico según a DIN 33872, 3D=1, de=1, cmyk\*

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



Data of Maximum color M in colorimetric system Offset standard print; 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>:  $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$ ; Six hue angles of the elementary colours RYGBM<sub>e</sub>:  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$



$(a^*_d, b^*_d), (a^*_s, b^*_s), (a^*_e, b^*_e)$   
 $rgb^*_d, LCH^*_d, LAB^*_d$   
 $h_{ab,s}, rgb^*_s$   
 $h_{ab,s} = atan [ r^*_d cos(30) + g^*_d cos(150) ] / [ r^*_d sin(30) + g^*_d sin(150) + b^*_d sin(270) ]$  (1)  
 $h_{ab,s}$   
 $s: h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0, 390.0 (i=0,6)$   
 $h_{48ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 8 (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7)$  (2)  
 $h_{360ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 60 (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59)$  (3)  
 $h_{ab,e}$   
 $e: h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6, 385.5 (i=0,6)$   
 $h_{48ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 8 (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7)$  (4)  
 $h_{360ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 60 (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59)$  (5)  
 $h_{ab}, h_{ab,d}$   
 $rgb^*_{de}$

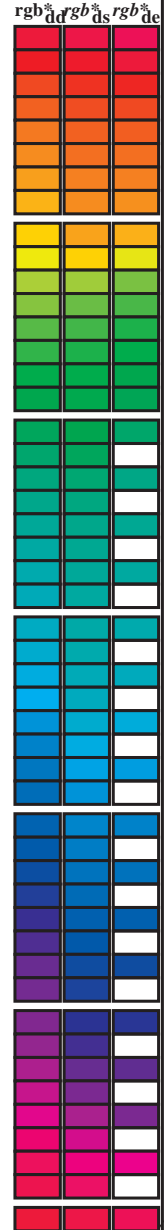
vea archivos semejantes: http://130.149.60.45/~farbmetrik/QS15/QS15.HTM  
información técnica: http://www.ps.bam.de o http://130.149.60.45/~farbmetrik

TUB matrícula: 20130201-QS15/QS15L0FP.PDF /.PS  
aplicación para la medida salida en la impresión offset, separación cmy6\* (CMYK)  
TUB material: code=rh4ta



Data of maximum color M in colorimetric system offset standard print; separation cmy6\*; D65 for input or output; Six hue angles of the 60 degree standard colours RYGBCM<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 RYGBCM<sub>d</sub>; h<sub>ab,d</sub> = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3; Six hue angles of the elementary colours RYGBCM<sub>e</sub>; h<sub>ab,e</sub> = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

Table with 12 columns: h\_ab,d, h\_ab,s, h\_ab,e, r\_gb\*dd64M, LAB\*ddx64M (x=LabCh), r\_gb\*ddx361M, LAB\*ddx361M (x=LabCh), r\_gb\*dsx361M, LAB\*dsx361M (x=LabCh), r\_gb\*dex361M, LAB\*dex361M (x=LabCh), r\_gb\*de, r\_gb\*ds, r\_gb\*de. Rows contain numerical data for various color points.



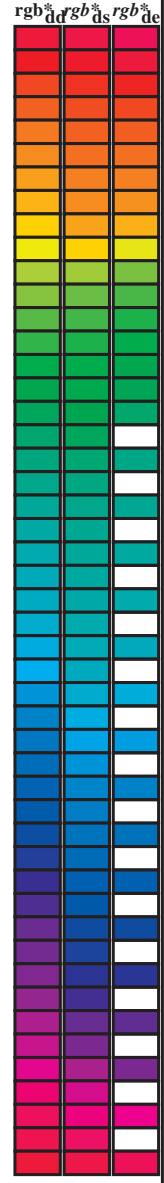
vea archivos semejantes: http://130.149.60.45/~farbmetrik/QS15/QS15.HTM  
información técnica: http://www.ps.bam.de o http://130.149.60.45/~farbmetrik

TUB matrícula: 20130201-QS15/QS15L0FP.PDF /.PS  
aplicación para la medida salida en la impresión offset, separación cmy6\* (CMYK)  
TUB material: code=rh4tra



Data of Maximum color M in colorimetric system Offset standard print; separation cmykn6\*, 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> = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3; 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* dd64M	LAB* ddx64M (x=LabCh)	rgb* dex361M	LAB* dex361M
32.8	30.0	25.4	1.0 0.0 0.0	47.3 63.8 41.2 76.0 32.8	1.0 0.0 0.209	47.6 64.9 30.9 71.9 25
40.4	37.5	33.8	1.0 0.125 0.0	51.2 54.9 46.7 72.1 40.4	1.0 0.007 0.0	47.6 63.4 41.6 75.8 33
50.0	45.0	42.1	1.0 0.25 0.0	56.0 44.4 53.0 69.1 50.0	1.0 0.148 0.0	52.1 53.0 48.1 71.6 42
61.1	52.5	50.5	1.0 0.375 0.0	61.4 33.2 60.3 68.8 61.1	1.0 0.25 0.0	56.0 44.5 53.0 69.2 49
71.4	60.0	58.8	1.0 0.5 0.0	67.2 22.6 67.6 71.2 71.4	1.0 0.35 0.0	60.3 35.6 59.0 69.0 58
81.7	67.5	67.2	1.0 0.625 0.0	73.6 11.0 76.1 76.9 81.7	1.0 0.442 0.0	64.5 27.8 64.5 70.2 66
88.5	75.0	75.6	1.0 0.75 0.0	79.2 2.0 83.0 83.1 88.5	1.0 0.55 0.0	69.8 18.3 71.3 73.6 75
93.6	82.5	83.9	1.0 0.875 0.0	84.2 -5.7 89.4 89.6 93.6	1.0 0.655 0.0	75.0 9.0 77.9 78.5 83
97.1	90.0	92.3	1.0 1.0 0.0	88.3 -11.9 95.1 95.8 97.1	1.0 0.842 0.0	83.0 -3.4 87.8 87.9 92
100.3	97.5	101.0	0.875 1.0 0.0	85.8 -16.2 88.6 90.0 100.3	0.871 1.0 0.0	85.8 -16.2 88.4 89.9 100
103.3	105.0	109.7	0.75 1.0 0.0	82.9 -19.7 83.0 85.3 103.3	0.599 1.0 0.0	76.2 -26.6 74.3 78.9 109
108.3	112.5	118.5	0.625 1.0 0.0	77.0 -25.2 76.3 80.4 108.3	0.455 1.0 0.0	71.4 -33.4 63.2 71.6 117
115.3	120.0	127.2	0.5 1.0 0.0	72.7 -31.3 66.0 73.1 115.3	0.327 1.0 0.0	65.8 -41.3 54.4 68.4 127
122.4	127.5	136.0	0.375 1.0 0.0	68.9 -36.9 58.1 68.8 122.4	0.244 1.0 0.0	60.7 -48.1 47.5 67.6 135
134.9	135.0	144.7	0.25 1.0 0.0	60.8 -47.8 47.8 67.6 134.9	0.124 1.0 0.0	57.4 -54.9 38.9 67.4 144
144.6	142.5	153.4	0.125 1.0 0.0	57.4 -54.9 38.9 67.3 144.6	0.047 1.0 0.0	54.0 -63.8 32.7 71.7 152
157.7	150.0	162.2	0.0 1.0 0.0	51.9 -68.8 28.1 74.3 157.7	0.0 1.0 0.093	52.4 -67.0 21.5 70.5 162
163.7	157.5	169.0	0.0 1.0 0.125	52.5 -66.4 19.3 69.1 163.7	0.0 1.0 0.209	53.1 -63.5 12.8 64.9 168
170.9	165.0	175.9	0.0 1.0 0.25	53.2 -61.9 9.8 62.7 170.9	0.0 1.0 0.311	53.7 -59.7 4.3 59.9 175
181.0	172.5	182.7	0.0 1.0 0.375	54.1 -56.9 -1.0 56.9 181.0	0.0 1.0 0.387	54.2 -56.4 -2.2 56.5 182
193.5	180.0	189.6	0.0 1.0 0.5	54.8 -51.0 -12.3 52.5 193.5	0.0 1.0 0.46	54.6 -53.1 -8.9 54.0 189
205.9	187.5	196.4	0.0 1.0 0.625	55.8 -45.1 -21.9 50.1 205.9	0.0 1.0 0.524	55.0 -50.0 -14.3 52.1 195
218.4	195.0	203.2	0.0 1.0 0.75	56.7 -38.9 -30.9 49.7 218.4	0.0 1.0 0.598	55.6 -46.5 -19.9 50.7 203
227.3	202.5	210.1	0.0 1.0 0.875	57.5 -34.3 -37.2 50.6 227.3	0.0 1.0 0.662	56.1 -43.4 -24.7 50.1 209
236.1	210.0	216.9	0.0 1.0 1.0	58.3 -29.2 -43.7 52.6 236.1	0.0 1.0 0.736	56.7 -39.7 -29.9 49.8 216
240.3	217.5	223.8	0.0 0.875 1.0	55.2 -25.0 -43.9 50.5 240.3	0.0 1.0 0.819	57.2 -36.4 -34.4 50.3 223
245.8	225.0	230.6	0.0 0.75 1.0	51.7 -19.7 -44.1 48.3 245.8	0.0 1.0 0.922	57.9 -32.5 -39.7 51.4 230
252.5	232.5	237.5	0.0 0.625 1.0	47.7 -13.9 -44.4 46.5 252.5	0.0 0.974 1.0	57.7 -28.3 -43.7 52.2 237
262.3	240.0	244.3	0.0 0.5 1.0	42.7 -6.0 -45.0 45.4 262.3	0.0 0.785 1.0	52.7 -21.1 -44.1 49.0 244
271.7	247.5	251.2	0.0 0.375 1.0	37.9 1.3 -45.4 45.4 271.7	0.0 0.659 1.0	48.9 -15.4 -44.3 47.1 250
281.6	255.0	258.0	0.0 0.25 1.0	33.3 9.4 -46.0 47.0 281.6	0.0 0.555 1.0	45.0 -9.4 -44.8 45.9 258
290.3	262.5	264.8	0.0 0.125 1.0	28.6 17.4 -46.9 50.1 290.3	0.0 0.472 1.0	41.7 -4.3 -45.1 45.4 264
296.4	270.0	271.7	0.0 0.0 1.0	25.3 23.5 -47.3 52.8 296.4	0.0 0.375 1.0	37.9 1.4 -45.3 45.5 271
306.7	277.5	278.8	0.125 0.0 1.0	29.3 31.8 -42.6 53.1 306.7	0.0 0.291 1.0	34.9 6.8 -45.9 46.5 278
312.7	285.0	285.9	0.25 0.0 1.0	31.5 36.2 -39.2 53.4 312.7	0.0 0.188 1.0	31.0 13.3 -46.6 48.5 285
326.7	292.5	293.0	0.375 0.0 1.0	33.8 47.6 -31.2 56.9 326.7	0.0 0.079 1.0	27.4 19.6 -47.1 51.1 292
333.9	300.0	300.1	0.5 0.0 1.0	37.8 53.8 -26.3 59.9 333.9	0.046 0.0 1.0	26.8 26.6 -45.7 53.0 300
339.6	307.5	307.2	0.625 0.0 1.0	40.9 58.8 -21.8 62.7 339.6	0.0 0.126 0.0 1.0	29.4 31.9 -42.5 53.2 306
347.2	315.0	314.3	0.75 0.0 1.0	43.1 65.9 -14.9 67.6 347.2	0.265 0.0 1.0	31.8 37.7 -38.4 53.8 314
350.2	322.5	321.4	0.875 0.0 1.0	45.9 69.4 -11.9 70.5 350.2	0.324 0.0 1.0	32.9 43.2 -34.8 55.5 321
353.3	330.0	328.6	1.0 0.0 1.0	48.2 72.8 -8.5 73.3 353.3	0.407 0.0 1.0	34.9 49.3 -30.0 57.7 328
356.5	337.5	335.7	1.0 0.0 0.875	48.2 71.6 -4.3 71.7 356.5	0.529 0.0 1.0	38.6 55.0 -25.3 60.6 335
360.3	345.0	342.8	1.0 0.0 0.75	48.1 70.4 0.3 70.4 360.3	0.678 0.0 1.0	41.9 61.9 -19.0 64.8 342
365.8	352.5	349.9	1.0 0.0 0.625	48.0 68.9 7.1 69.3 365.8	0.842 0.0 1.0	45.2 68.6 -12.7 69.8 349
371.6	360.0	357.0	1.0 0.0 0.5	47.7 67.7 14.0 69.1 371.6	0.949 0.0 1.0	47.3 71.5 -9.9 72.2 352
378.2	367.5	364.1	1.0 0.0 0.375	47.7 66.1 21.8 69.6 378.2	1.0 0.0 0.765	48.2 70.6 -0.1 70.6 359
383.9	375.0	371.2	1.0 0.0 0.25	47.7 65.0 28.9 71.2 383.9	1.0 0.0 0.563	47.9 68.4 10.6 69.2 368
388.6	382.5	378.3	1.0 0.0 0.125	47.4 64.4 35.1 73.4 388.6	1.0 0.0 0.408	47.8 66.7 19.8 69.6 376
392.8	390.0	385.4	1.0 0.0 0.0	47.3 63.8 41.2 76.0 392.8	1.0 0.0 0.209	47.6 64.9 30.9 71.9 385



vea archivos semejantes: <http://130.149.60.45/~farbmetrik/QS15/QS15L0FP.PDF> / .PS  
información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

TUB matrícula: 20130201-QS15/QS15L0FP.PDF /.PS  
aplicación para la medida salida en la impresión offset, separación cmykn6\* (CMYK)  
TUB material: code=rh4ta

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6\*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM<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 RYGBCM<sub>d</sub>: h<sub>ab,d</sub> = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3; Six hue angles of the elementary colours RYGBCM<sub>e</sub>: h<sub>ab,e</sub> = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

Table with columns for device color (h\_ab,d, h\_ab,s, h\_ab,e, rrgb\*\_dd361M, LAB\*\_ddx361Mi), elementary color (rgb\*\_ds361Mi, LAB\*\_dsx361Mi), and standard color (rgb\*\_de361Mi, LAB\*\_dex361Mi). Rows 32-88 show color data for various hue angles.

vea archivos semejantes: http://130.149.60.45/~farbmetrik/QS15/QS15.HTM  
información técnica: http://www.ps.bam.de o http://130.149.60.45/~farbmetrik

TUB matrícula: 20130201-QS15/QS15L0FP.PDF /.PS  
aplicación para la medida salida en la impresión offset, separación cmyn6\* (CMYK)  
TUB material: code=rh4tra

2-113930-L0 QS150-73 LAB\*la0, YN=0%, XYZnw=2.4, 2.5, 2.6, 85.1, 88.8, 104.3, LAB\*nw=17.7, 0.0, 0.0, 95.5, 0.0, 0.0

salida: Offset standard print; separation cmyn6\*, D65, página 10/33

gráfico TUB-QS15; código de tono: H\*\_e=R50Ye  
círculo de tono, 48 pasos; rgb-LabCh\*mesas

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



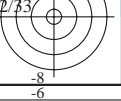
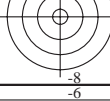
Data of Maximum color M in colorimetric system Offset standard print; separation cmy6\*; D65 for input or output; Six hue angles of the 60 degree standard colours RYGBCM;  $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ; Six hue angles of the device colours RYGBCMd;  $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$ ; Six hue angles of the elementary colours RYGBCM;  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

Table with 24 columns: h\_ab,d, h\_ab,s, h\_ab,e, rgb\*\_dd361M, LAB\*ddx361Mi (x=LabCh), rgb\*\_ds361Mi, LAB\*dsx361Mi (x=LabCh), rgb\*\_dd361Mi, rgb\*\_dc361Mi, LAB\*dex361Mi (x=LabCh), rgb\*\_dd361Mi, and three columns of rgb\*\_dd, rgb\*\_ds, rgb\*\_de. Rows 115-170 show data for various color points.

TUB matrícula: 20130201-QS15/QS15L0FP.PDF /.PS  
aplicación para la medida salida en la impresión offset, separación cmy6\* (CMYK)

TUB material: code=rh4ta

vea archivos semejantes: http://130.149.60.45/~farbmetrik/QS15/QS15.HTM  
información técnica: http://www.ps.bam.de o http://130.149.60.45/~farbmetrik





Data of Maximum color M in colorimetric system Offset standard print; separation cmy6\*; D65 for input or output; Six hue angles of the 60 degree standard colours RYGBCM<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 RYGBCM<sub>d</sub>: h<sub>ab,d</sub> = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3; Six hue angles of the elementary colours RYGBCM<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* dd361M	LAB* dex361Mi (x=LabCh)	rgb* ds361Mi	LAB* dsx361Mi (x=LabCh)	rgb* de361Mi	LAB* dex361Mi (x=LabCh)	rgb* dd361Mi	LAB* dex361Mi (x=LabCh)	rgb* de361Mi	LAB* dex361Mi (x=LabCh)	rgb* dd361Mi	LAB* dex361Mi (x=LabCh)	rgb* de361Mi	LAB* dex361Mi (x=LabCh)
170	165	175	0.0	1.0	0.25	53.2	-61.9	9.8	62.7	170	0.0	1.0	0.25	53.2	-61.9	9.8
172	166	176	0.0	1.0	0.266	53.4	-61.4	8.2	61.9	172	0.0	1.0	0.267	53.8	-59.2	3.3
173	167	177	0.0	1.0	0.283	53.5	-60.8	6.7	61.2	173	0.0	1.0	0.283	53.8	-58.7	2.3
175	168	178	0.0	1.0	0.3	53.6	-60.2	5.2	60.4	175	0.0	1.0	0.3	53.9	-58.3	1.4
176	169	179	0.0	1.0	0.316	53.7	-59.5	3.7	59.6	176	0.0	1.0	0.317	54.0	-57.7	0.4
177	170	180	0.0	1.0	0.333	53.8	-58.8	2.3	58.9	177	0.0	1.0	0.333	54.1	-57.2	-0.4
179	171	181	0.0	1.0	0.35	53.9	-58.1	0.9	58.1	179	0.0	1.0	0.35	54.1	-56.8	-1.3
180	172	182	0.0	1.0	0.366	54.0	-57.3	-0.4	57.3	180	0.0	1.0	0.367	54.2	-56.4	-2.2
181	173	183	0.0	1.0	0.383	54.1	-56.6	-1.8	56.6	181	0.0	1.0	0.383	54.2	-56.0	-3.1
183	174	184	0.0	1.0	0.4	54.2	-55.9	-3.5	56.0	183	0.0	1.0	0.4	54.3	-55.7	-3.9
185	175	185	0.0	1.0	0.416	54.3	-55.2	-5.0	55.5	185	0.0	1.0	0.417	54.3	-55.3	-4.8
186	176	185	0.0	1.0	0.433	54.4	-54.5	-6.6	54.9	186	0.0	1.0	0.433	54.4	-54.9	-5.6
188	177	186	0.0	1.0	0.45	54.5	-53.7	-8.0	54.3	188	0.0	1.0	0.45	54.4	-54.4	-6.5
190	178	187	0.0	1.0	0.466	54.6	-52.8	-9.5	53.7	190	0.0	1.0	0.467	54.5	-54.0	-7.3
191	179	188	0.0	1.0	0.483	54.7	-52.0	-10.9	53.1	191	0.0	1.0	0.483	54.6	-53.6	-8.1
193	180	189	0.0	1.0	0.5	54.8	-51.0	-12.3	52.5	193	0.0	1.0	0.5	54.6	-53.1	-8.9
195	181	190	0.0	1.0	0.516	54.9	-50.4	-13.7	52.2	195	0.0	1.0	0.517	54.7	-52.6	-9.7
196	182	191	0.0	1.0	0.533	55.1	-49.6	-15.0	51.9	196	0.0	1.0	0.533	54.7	-52.2	-10.5
198	183	192	0.0	1.0	0.55	55.2	-48.9	-16.3	51.6	198	0.0	1.0	0.55	54.8	-51.7	-11.2
200	184	193	0.0	1.0	0.566	55.3	-48.1	-17.6	51.2	200	0.0	1.0	0.567	54.8	-51.2	-12.0
201	185	194	0.0	1.0	0.583	55.5	-47.3	-18.9	50.9	201	0.0	1.0	0.583	54.9	-50.8	-12.7
203	186	195	0.0	1.0	0.6	55.6	-46.4	-20.1	50.6	203	0.0	1.0	0.6	55.0	-50.4	-13.5
205	187	195	0.0	1.0	0.616	55.7	-45.5	-21.3	50.3	205	0.0	1.0	0.617	55.0	-50.0	-14.3
206	188	196	0.0	1.0	0.633	55.8	-44.7	-22.5	50.1	206	0.0	1.0	0.633	55.1	-49.6	-15.0
208	189	197	0.0	1.0	0.65	56.0	-44.0	-23.8	50.1	208	0.0	1.0	0.65	55.2	-49.2	-15.7
210	190	198	0.0	1.0	0.666	56.1	-43.2	-25.0	50.0	210	0.0	1.0	0.667	55.3	-48.7	-16.5
211	191	199	0.0	1.0	0.683	56.2	-42.4	-26.3	49.9	211	0.0	1.0	0.683	55.3	-48.3	-17.2
213	192	200	0.0	1.0	0.7	56.3	-41.6	-27.5	49.9	213	0.0	1.0	0.7	55.4	-47.9	-17.9
215	193	201	0.0	1.0	0.716	56.5	-40.8	-28.6	49.8	215	0.0	1.0	0.717	55.5	-47.4	-18.6
216	194	202	0.0	1.0	0.733	56.6	-39.9	-29.8	49.8	216	0.0	1.0	0.733	55.6	-46.9	-19.3
218	195	203	0.0	1.0	0.75	56.7	-38.9	-30.9	49.7	218	0.0	1.0	0.75	55.6	-46.5	-19.9
219	196	204	0.0	1.0	0.766	56.8	-38.4	-31.7	49.8	219	0.0	1.0	0.767	55.7	-46.0	-20.6
220	197	205	0.0	1.0	0.783	56.9	-37.8	-32.6	49.9	220	0.0	1.0	0.783	55.8	-45.5	-21.3
221	198	206	0.0	1.0	0.8	57.0	-37.2	-33.5	50.1	221	0.0	1.0	0.8	55.8	-45.0	-21.9
223	199	206	0.0	1.0	0.816	57.1	-36.6	-34.3	50.2	223	0.0	1.0	0.817	55.9	-44.6	-22.6
224	200	207	0.0	1.0	0.833	57.3	-36.0	-35.2	50.3	224	0.0	1.0	0.833	56.0	-44.2	-23.0
225	201	208	0.0	1.0	0.85	57.4	-35.3	-36.0	50.4	225	0.0	1.0	0.85	56.0	-43.8	-24.0
226	202	209	0.0	1.0	0.866	57.5	-34.6	-36.8	50.6	226	0.0	1.0	0.867	56.1	-43.4	-24.7
227	203	210	0.0	1.0	0.883	57.6	-34.0	-37.7	50.8	227	0.0	1.0	0.883	56.2	-43.0	-25.4
229	204	211	0.0	1.0	0.9	57.7	-33.4	-38.6	51.0	229	0.0	1.0	0.9	56.3	-42.5	-26.0
230	205	212	0.0	1.0	0.916	57.8	-32.8	-39.4	51.3	230	0.0	1.0	0.917	56.3	-42.1	-26.7
231	206	213	0.0	1.0	0.933	57.9	-32.1	-40.3	51.6	231	0.0	1.0	0.933	56.4	-41.6	-27.3
232	207	214	0.0	1.0	0.95	58.0	-31.4	-41.2	51.8	232	0.0	1.0	0.95	56.5	-41.1	-28.0
233	208	215	0.0	1.0	0.966	58.1	-30.7	-42.0	52.1	233	0.0	1.0	0.967	56.5	-40.7	-28.6
235	209	216	0.0	1.0	0.983	58.2	-30.0	-42.9	52.3	235	0.0	1.0	0.983	56.6	-40.2	-29.2
236	210	216	0.0	1.0	1.0	58.3	-29.2	-43.7	52.6	236	0.0	1.0	1.0	56.7	-39.7	-29.9

vea archivos semejantes: <http://130.149.60.45/~farbmetrik/QS15/QS15.HTM>  
información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

TUB matrícula: 20130201-QS15/QS15L0FP.PDF /.PS  
aplicación para la medida salida en la impresión offset, separación cmy6\* (CMYK)  
TUB material: code=rh4ta

Data of Maximum color M in colorimetric system Offset standard print; separation cmykn6\*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGCMB<sub>e</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 RYGCMB<sub>d</sub>: h<sub>ab,d</sub> = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3; Six hue angles of the elementary colours RYGCMB<sub>e</sub>: h<sub>ab,e</sub> = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6

Table with columns: h<sub>ab,d</sub>, h<sub>ab,s</sub>, h<sub>ab,e</sub>, r<sub>gb</sub>\*\_dd361M, LAB\*\_\*\_ddsx361Mi (x=LabCh), C<sub>d</sub>, r<sub>gb</sub>\*\_ds361Mi, LAB\*\_\*\_dsx361Mi (x=LabCh), C<sub>s</sub>, r<sub>gb</sub>\*\_dd361Mi, LAB\*\_\*\_de361Mi, LAB\*\_\*\_dex361Mi (x=LabCh), C<sub>c</sub>, r<sub>gb</sub>\*\_dd361Mi, r<sub>gb</sub>\*\_dd, r<sub>gb</sub>\*\_ds, r<sub>gb</sub>\*\_de. Rows contain numerical data for 281 different color patches.

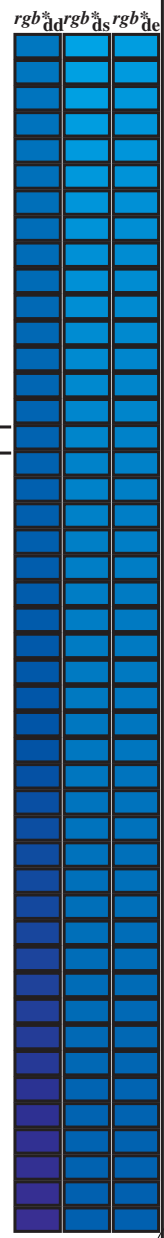
vea archivos semejantes: <http://130.149.60.45/~farbmetrik/QS15/QS15.HTM>  
información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

TUB matriciada: 20130201-QS15/QS15L0FP.PDF /PS  
aplicación para la medida salida en la impresión offset, separación cmykn6\* (CMYK)  
TUB material: code=rh4t4



Data of Maximum color M in colorimetric system Offset standard print; separation cmy6\*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM;  $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;  
Six hue angles of the device colours RYGBM<sub>d</sub>;  $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$ ; Six hue angles of the elementary colours RYGBM<sub>e</sub>;  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

h <sub>ab,d</sub>	h <sub>ab,s</sub>	h <sub>ab,e</sub>	rgb* <sub>ds</sub> 361M	LAB* <sub>ds</sub> 361Mi (x=LabCh)	rgb* <sub>ds</sub> 361Mi	LAB* <sub>ds</sub> 361Mi (x=LabCh)	rgb* <sub>de</sub> 361Mi	LAB* <sub>de</sub> 361Mi (x=LabCh)	rgb* <sub>de</sub> 361Mi	LAB* <sub>de</sub> 361Mi (x=LabCh)	rgb* <sub>de</sub> 361Mi	LAB* <sub>de</sub> 361Mi (x=LabCh)	rgb* <sub>de</sub> 361Mi	LAB* <sub>de</sub> 361Mi (x=LabCh)				
281	255	258	0.0	0.25	1.0	33.3	9.4	-46.0	47.0	281	0.0	0.25	1.0	33.3	9.4	-46.0	47.0	281
282	256	258	0.0	0.233	1.0	32.7	10.5	-46.2	47.4	282	0.0	0.233	1.0	32.7	10.5	-46.2	47.4	282
283	257	259	0.0	0.216	1.0	32.0	11.5	-46.4	47.8	283	0.0	0.216	1.0	32.0	11.5	-46.4	47.8	283
285	258	260	0.0	0.2	1.0	31.4	12.5	-46.5	48.2	285	0.0	0.2	1.0	31.4	12.5	-46.5	48.2	285
286	259	261	0.0	0.183	1.0	30.8	13.6	-46.7	48.6	286	0.0	0.183	1.0	30.8	13.6	-46.7	48.6	286
287	260	262	0.0	0.166	1.0	30.1	14.7	-46.8	49.0	287	0.0	0.166	1.0	30.1	14.7	-46.8	49.0	287
288	261	263	0.0	0.15	1.0	29.5	15.8	-46.9	49.4	288	0.0	0.15	1.0	29.5	15.8	-46.9	49.4	288
289	262	264	0.0	0.133	1.0	28.9	16.8	-46.9	49.9	289	0.0	0.133	1.0	28.9	16.8	-46.9	49.9	289
290	263	265	0.0	0.116	1.0	28.3	17.8	-47.0	50.3	290	0.0	0.116	1.0	28.3	17.8	-47.0	50.3	290
291	264	266	0.0	0.1	1.0	27.9	18.6	-47.1	50.6	291	0.0	0.1	1.0	27.9	18.6	-47.1	50.6	291
292	265	267	0.0	0.083	1.0	27.5	19.4	-47.1	51.0	292	0.0	0.083	1.0	27.5	19.4	-47.1	51.0	292
293	266	268	0.0	0.066	1.0	27.0	20.2	-47.2	51.4	293	0.0	0.066	1.0	27.0	20.2	-47.2	51.4	293
293	267	269	0.0	0.049	1.0	26.6	21.0	-47.3	51.7	293	0.0	0.049	1.0	26.6	21.0	-47.3	51.7	293
294	268	269	0.0	0.033	1.0	26.2	21.8	-47.3	52.1	294	0.0	0.033	1.0	26.2	21.8	-47.3	52.1	294
295	269	270	0.0	0.016	1.0	25.7	22.6	-47.3	52.5	295	0.0	0.016	1.0	25.7	22.6	-47.3	52.5	295
296	270	271	0.0	0.0	1.0	25.3	23.5	-47.3	52.8	296	0.0	0.0	1.0	25.3	23.5	-47.3	52.8	296
297	271	272	0.016	0.0	1.0	25.8	24.6	-46.8	52.9	297	0.0	0.385	1.0	38.3	0.8	-45.3	45.4	271
299	272	273	0.033	0.0	1.0	26.3	25.8	-46.2	52.9	299	0.0	0.371	1.0	37.8	1.6	-45.4	45.5	272
300	273	274	0.05	0.0	1.0	26.9	26.9	-45.6	52.9	300	0.0	0.359	1.0	37.3	2.4	-45.5	45.7	273
301	274	275	0.066	0.0	1.0	27.4	28.0	-45.0	53.0	301	0.0	0.346	1.0	36.9	3.2	-45.6	45.8	274
303	275	276	0.083	0.0	1.0	27.9	29.1	-44.3	53.0	303	0.0	0.334	1.0	36.4	4.0	-45.7	46.0	275
304	276	277	0.1	0.0	1.0	28.5	30.2	-43.6	53.1	304	0.0	0.321	1.0	36.0	4.8	-45.8	46.1	276
306	277	278	0.116	0.0	1.0	29.0	31.2	-42.9	53.1	306	0.0	0.309	1.0	35.5	5.6	-45.8	46.3	277
307	278	279	0.133	0.0	1.0	29.4	32.1	-42.3	53.1	307	0.0	0.296	1.0	35.0	6.5	-45.9	46.4	278
307	279	280	0.15	0.0	1.0	29.7	32.7	-41.9	53.2	307	0.0	0.283	1.0	34.6	7.3	-45.9	46.6	279
308	280	281	0.166	0.0	1.0	30.0	33.3	-41.5	53.2	308	0.0	0.271	1.0	34.1	8.1	-45.9	46.7	280
309	281	282	0.183	0.0	1.0	30.3	33.9	-41.0	53.2	309	0.0	0.258	1.0	33.6	8.9	-45.9	46.9	281
310	282	283	0.2	0.0	1.0	30.6	34.5	-40.6	53.3	310	0.0	0.245	1.0	33.1	9.8	-46.0	47.1	282
311	283	284	0.216	0.0	1.0	30.9	35.0	-40.1	53.3	311	0.0	0.231	1.0	32.6	10.7	-46.2	47.5	283
311	284	285	0.233	0.0	1.0	31.2	35.6	-39.6	53.3	311	0.0	0.216	1.0	32.1	11.6	-46.3	47.8	284
312	285	285	0.25	0.0	1.0	31.5	36.2	-39.2	53.4	312	0.0	0.202	1.0	31.5	12.5	-46.5	48.2	285
314	286	286	0.266	0.0	1.0	31.8	37.8	-38.3	53.8	314	0.0	0.188	1.0	31.0	13.4	-46.6	48.6	286
316	287	287	0.283	0.0	1.0	32.1	39.4	-37.4	54.3	316	0.0	0.173	1.0	30.4	14.3	-46.7	48.9	287
318	288	288	0.3	0.0	1.0	32.4	40.9	-36.4	54.8	318	0.0	0.159	1.0	29.9	15.2	-46.8	49.3	288
320	289	289	0.316	0.0	1.0	32.7	42.4	-35.3	55.3	320	0.0	0.145	1.0	29.4	16.2	-46.8	49.6	289
322	290	290	0.333	0.0	1.0	33.0	43.9	-34.2	55.7	322	0.0	0.13	1.0	28.8	17.1	-46.9	50.0	290
323	291	291	0.35	0.0	1.0	33.3	45.4	-33.1	56.2	323	0.0	0.112	1.0	28.3	18.1	-47.0	50.4	291
325	292	292	0.366	0.0	1.0	33.6	46.9	-31.8	56.7	325	0.0	0.091	1.0	27.7	19.1	-47.1	50.9	292
327	293	293	0.383	0.0	1.0	34.0	48.0	-30.9	57.1	327	0.0	0.07	1.0	27.2	20.1	-47.1	51.3	293
328	294	294	0.4	0.0	1.0	34.6	48.9	-30.3	57.5	328	0.0	0.05	1.0	26.6	21.1	-47.2	51.8	294
329	295	295	0.416	0.0	1.0	35.1	49.7	-29.7	57.9	329	0.0	0.029	1.0	26.1	22.1	-47.2	52.2	295
330	296	296	0.433	0.0	1.0	35.7	50.5	-29.0	58.3	330	0.0	0.008	1.0	25.6	23.1	-47.3	52.7	296
331	297	297	0.45	0.0	1.0	36.2	51.4	-28.4	58.7	331	0.007	0.0	1.0	25.6	24.0	-47.0	52.9	297
332	298	298	0.466	0.0	1.0	36.7	52.2	-27.7	59.1	332	0.019	0.0	1.0	25.9	24.8	-46.6	52.9	298
332	299	299	0.483	0.0	1.0	37.3	53.0	-27.0	59.5	332	0.031	0.0	1.0	26.3	25.7	-46.2	52.9	299
333	300	300	0.5	0.0	1.0	37.8	53.8	-26.3	59.9	333	0.043	0.0	1.0	26.7	26.5	-45.8	53.0	300



vea archivos semejantes: <http://130.149.60.45/~farbmetrik/QS15/QS15.HTM>  
información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

TUB matrícula: 20130201-QS15/QS15L0FP.PDF /.PS  
aplicación para la medida salida en la impresión offset, separación cmy6\* (CMYK)  
TUB material: code=rh4ta







http://130.149.60.45/~farbmetrik/QS15/QS15LOFP.PDF /.PS; 3D-linealización F: 3D-linealización QS15/QS15L30FP.DAT en archivo (F), página 18/33

Table with columns: nrf, HHC\*File, rpb\_Rate, icr\_File, Hrs\_File, rpb\*File, LabCM\*File, cmyk\*\_sep\_Rate, rpb\*File, Hrs\*File, LabCM\*File, rpb\*File, delta. Rows include color names like R00Y, R13Y, R25Y, etc.

vea archivos semejantes: http://130.149.60.45/~farbmetrik/QS15/QS15.HTM información técnica: http://www.ps.bam.de o http://130.149.60.45/~farbmetrik

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

gráfico TUB-QS15; código de tono: H\*e=R50Ye colores y diferencia en color, ΔE\*



http://130.149.60.45/~farbmetrik/QS15/QS15LOFP.PDF /PS; 3D-linealización F: 3D-linealización QS15/QS15L30FP.DAT en archivo (F), página 20/33

Table with 10 columns: n=F, HHC\*F, rpb\*F, iet\*F, hsa\*F, rpb\*F, LabC\*F, cmyk\*sep, cmyk\*sep, rpb\*F, hsa\*F, LabC\*F, rpb\*F, hsa\*F, LabC\*F, cmyk\*sep, cmyk\*sep, rpb\*F, hsa\*F, LabC\*F, delta

vea archivos semejantes: http://130.149.60.45/~farbmetrik/QS15/QS15.HTM información técnica: http://www.ps.bam.de o http://130.149.60.45/~farbmetrik

gráfico TUB-QS15; código de tono: H\*e=R50Ye colores y diferencia en color, ΔE\*  
entrada: rgb/cmyk -> rgbd salida: 3D-linealización a cmyk\* de

QS150-7N; 2033-F

2-1131930-F0

2-1131930-F0



http://130.149.60.45/~farbmetrik/QS15/QS15LOFP.PDF /PS; 3D-linealización F: 3D-linealización QS15/QS15L30FP.DAT en archivo (F), página 21/33

Table with 16 columns: n, HHC\*Fide, rpb\_Fide, icr\_Fide, hsa\_Fide, rpb\*Fide, LabC\*Fide, cmyk\*sep\_Fide, hsa\*Fide, rpb\*Fide, LabC\*Fide, delta, LabC\*Fide, rpb\*Fide, hsa\*Fide, delta. Rows 81-161.

vea archivos semejantes: http://130.149.60.45/~farbmetrik/QS15/QS15.HTM información técnica: http://www.ps.bam.de o http://130.149.60.45/~farbmetrik

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

gráfico TUB-QS15; código de tono: H\*e=R50Ye colores y diferencia en color, ΔE\*<sup>\*</sup>

QS150-TN; 21/33-F

2-1132030-F0





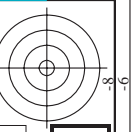
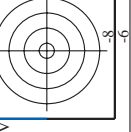
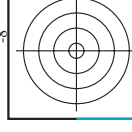


Table with 25 columns: n, HHC\*File, rgb\_File, icr\_File, Hsa\_File, rgp\*File, LabC\*File, LabCH\*File, cmyk\*\_sep, cmyk\*\_File, LabCH\*File, Hsa\_File, rgp\*File, LabCH\*File, LabCH\*File, delta. The table contains a dense grid of numerical data for various color calibration patches.



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



http://130.149.60.45/~farbmetrik/QS15/QS15LOFP.PDF /PS; 3D-linealización F: 3D-linealización QS15/QS15L30FP.DAT en archivo (F), página 25/33

Table with 20 columns: n, HHC\*File, rgb\_Erate, icr\_Erate, Hsa\_Erate, rgb\*Erate, LabC\*Erate, cmyk\*\_sepRate, cmyk\*\_sepRate, delta, Hsa\*Erate, rgb\*Erate, LabC\*Erate, cmyk\*\_sepRate, delta, LabC\*Erate, rgb\*Erate, Hsa\*Erate, delta. Rows include file names like R00Y\_062\_062Ae and numerical values.

gráfico TUB-QS15; código de tono: H\*e=R50Ye colores y diferencia en color, ΔE\*

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

delta

QS15-70N; 25/33-F

2-1132430-F0

2-1132430-F0



TUB matrícula: 20130201-QS15/QS15LOFP.PDF /.PS
TUB material: code=rha4ta
aplicación para la medida salida en la impresión offset, separación cmycn6\* (CMYK)

http://130.149.60.45/~farbmetrik/QS15/QS15LOFP.PDF /.PS; 3D-linealización
F: 3D-linealización QS15/QS15L30FP.DAT en archivo (F), página 27/33

Main data table with columns: n, HHC\*File, rgb\*File, iet\*File, hsa\*File, rgpb\*File, LabC\*File, cmyk\*sep, File, cmyp\*sep, File, Hsa\*File, rgpb\*File, LabC\*File, LabCH\*File, delta. It contains a large amount of numerical data for each color and file combination.

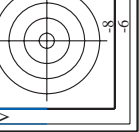
vea archivos semejantes: http://130.149.60.45/~farbmetrik/QS15/QS15.HTM
información técnica: http://www.ps.bam.de o http://130.149.60.45/~farbmetrik

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

gráfico TUB-QS15; código de tono: H\*e=R50Ye
colores y diferencia en color, ΔE\*<sup>\*</sup>

QS150-TN; 27/33-F

2-1132630-F0







http://130.149.60.45/~farbmetrik/QS15/QS15LOFP.PDF /PS; 3D-linealización
F: 3D-linealización QS15/QS15L30FP.DAT en archivo (F), página 29/33

Table with columns: n, HHC\*File, rpb\*File, icr\*File, hsa\*File, rpb\*File, LabCM\*File, cmyk\*sep,File, cmyn\*sep,File, rpb\*File, hsa\*File, LabCM\*File, delta. Rows 729-809.

vea archivos semejantes: http://130.149.60.45/~farbmetrik/QS15/QS15.HTM
información técnica: http://www.ps.bam.de o http://130.149.60.45/~farbmetrik

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

gráfico TUB-QS15; código de tono: H\*e=R50Ye
colores y diferencia en color, ΔE\*



http://130.149.60.45/~farbmetrik/QS15/QS15LOFP.PDF /PS; 3D-linealización F: 3D-linealización QS15/QS15L30FP.DAT en archivo (F), página 30/33

Table with columns: n, HHC\*File, rgb\*File, icr\*File, hsa\*File, rgb\*File, LabC\*File, cmyk\*sep,Rate, cmyk\*sep,Rate, hsa\*File, rgb\*File, LabC\*File, LabC\*File, delta. Rows include color names like NV, BOOR, YOGC, etc.

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



n	HC*File	rgb_Role	icr_File	hsa_File	rgb*File	LabCM*File	cmyp*sep*File	hsa_De	rgb*File	LabCM*File
972	NW_000de	0.125	0.125	0.0	0.0	0.0	0.0	360	1.0	95.4
973	NW_012de	0.125	0.125	0.0	0.0	0.0	0.0	360	1.0	95.4
974	NW_025de	0.25	0.25	0.0	0.0	0.0	0.0	360	1.0	95.4
975	NW_037de	0.375	0.375	0.0	0.0	0.0	0.0	360	1.0	95.4
976	NW_050de	0.5	0.5	0.0	0.0	0.0	0.0	360	1.0	95.4
977	NW_062de	0.625	0.625	0.0	0.0	0.0	0.0	360	1.0	95.4
978	NW_075de	0.75	0.75	0.0	0.0	0.0	0.0	360	1.0	95.4
979	NW_087de	0.875	0.875	0.0	0.0	0.0	0.0	360	1.0	95.4
980	NW_100de	1.0	1.0	0.0	0.0	0.0	0.0	360	1.0	95.4
981	NW_000de	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	95.4
982	NW_012de	0.125	0.125	0.0	0.0	0.0	0.0	360	1.0	95.4
983	NW_025de	0.25	0.25	0.0	0.0	0.0	0.0	360	1.0	95.4
984	NW_037de	0.375	0.375	0.0	0.0	0.0	0.0	360	1.0	95.4
985	NW_050de	0.5	0.5	0.0	0.0	0.0	0.0	360	1.0	95.4
986	NW_062de	0.625	0.625	0.0	0.0	0.0	0.0	360	1.0	95.4
987	NW_075de	0.75	0.75	0.0	0.0	0.0	0.0	360	1.0	95.4
988	NW_087de	0.875	0.875	0.0	0.0	0.0	0.0	360	1.0	95.4
989	NW_100de	1.0	1.0	0.0	0.0	0.0	0.0	360	1.0	95.4
990	NW_000de	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	95.4
991	NW_012de	0.125	0.125	0.0	0.0	0.0	0.0	360	1.0	95.4
992	NW_025de	0.25	0.25	0.0	0.0	0.0	0.0	360	1.0	95.4
993	NW_037de	0.375	0.375	0.0	0.0	0.0	0.0	360	1.0	95.4
994	NW_050de	0.5	0.5	0.0	0.0	0.0	0.0	360	1.0	95.4
995	NW_062de	0.625	0.625	0.0	0.0	0.0	0.0	360	1.0	95.4
996	NW_075de	0.75	0.75	0.0	0.0	0.0	0.0	360	1.0	95.4
997	NW_087de	0.875	0.875	0.0	0.0	0.0	0.0	360	1.0	95.4
998	NW_100de	1.0	1.0	0.0	0.0	0.0	0.0	360	1.0	95.4
999	NW_000de	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	95.4
1000	NW_012de	0.125	0.125	0.0	0.0	0.0	0.0	360	1.0	95.4
1001	NW_025de	0.25	0.25	0.0	0.0	0.0	0.0	360	1.0	95.4
1002	NW_037de	0.375	0.375	0.0	0.0	0.0	0.0	360	1.0	95.4
1003	NW_050de	0.5	0.5	0.0	0.0	0.0	0.0	360	1.0	95.4
1004	NW_062de	0.625	0.625	0.0	0.0	0.0	0.0	360	1.0	95.4
1005	NW_075de	0.75	0.75	0.0	0.0	0.0	0.0	360	1.0	95.4
1006	NW_087de	0.875	0.875	0.0	0.0	0.0	0.0	360	1.0	95.4
1007	NW_100de	1.0	1.0	0.0	0.0	0.0	0.0	360	1.0	95.4
1008	NW_000de	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	95.4
1009	NW_006de	0.066	0.066	0.066	0.066	0.066	0.139	0.031	0.022	0.933
1010	NW_013de	0.133	0.133	0.133	0.133	0.133	0.043	0.048	0.048	0.871
1011	NW_020de	0.2	0.2	0.2	0.2	0.2	0.057	0.056	0.056	0.825
1012	NW_026de	0.266	0.266	0.266	0.266	0.266	0.013	0.015	0.015	0.781
1013	NW_033de	0.333	0.333	0.333	0.333	0.333	0.016	0.005	0.005	0.731
1014	NW_040de	0.4	0.4	0.4	0.4	0.4	0.027	0.018	0.018	0.672
1015	NW_046de	0.466	0.466	0.466	0.466	0.466	0.021	0.017	0.017	0.628
1016	NW_053de	0.533	0.533	0.533	0.533	0.533	0.006	0.006	0.006	0.541
1017	NW_060de	0.6	0.6	0.6	0.6	0.6	0.021	0.011	0.011	0.478
1018	NW_066de	0.666	0.666	0.666	0.666	0.666	0.005	0.005	0.005	0.405
1019	NW_073de	0.734	0.734	0.734	0.734	0.734	0.021	0.024	0.024	0.322
1020	NW_080de	0.8	0.8	0.8	0.8	0.8	0.007	0.007	0.007	0.26
1021	NW_086de	0.866	0.866	0.866	0.866	0.866	0.002	0.002	0.002	0.179
1022	NW_093de	0.933	0.933	0.933	0.933	0.933	0.005	0.005	0.005	0.084
1023	NW_100de	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
1024	NW_006de	0.066	0.066	0.066	0.066	0.066	0.139	0.022	0.022	0.933
1025	NW_013de	0.133	0.133	0.133	0.133	0.133	0.043	0.048	0.048	0.871
1026	NW_020de	0.2	0.2	0.2	0.2	0.2	0.057	0.056	0.056	0.825
1027	NW_026de	0.266	0.266	0.266	0.266	0.266	0.013	0.015	0.015	0.781
1028	NW_033de	0.333	0.333	0.333	0.333	0.333	0.016	0.005	0.005	0.731
1029	NW_040de	0.4	0.4	0.4	0.4	0.4	0.027	0.018	0.018	0.672
1030	NW_046de	0.466	0.466	0.466	0.466	0.466	0.021	0.017	0.017	0.628
1031	NW_053de	0.533	0.533	0.533	0.533	0.533	0.006	0.006	0.006	0.541
1032	NW_060de	0.6	0.6	0.6	0.6	0.6	0.021	0.011	0.011	0.478
1033	NW_066de	0.666	0.666	0.666	0.666	0.666	0.005	0.005	0.005	0.405
1034	NW_073de	0.734	0.734	0.734	0.734	0.734	0.021	0.024	0.024	0.322
1035	NW_080de	0.8	0.8	0.8	0.8	0.8	0.007	0.007	0.007	0.26
1036	NW_086de	0.866	0.866	0.866	0.866	0.866	0.002	0.002	0.002	0.179
1037	NW_093de	0.933	0.933	0.933	0.933	0.933	0.005	0.005	0.005	0.084
1038	NW_100de	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
1039	NW_006de	0.066	0.066	0.066	0.066	0.066	0.139	0.022	0.022	0.933
1040	NW_013de	0.133	0.133	0.133	0.133	0.133	0.043	0.048	0.048	0.871
1041	NW_020de	0.2	0.2	0.2	0.2	0.2	0.057	0.056	0.056	0.825
1042	NW_026de	0.266	0.266	0.266	0.266	0.266	0.013	0.015	0.015	0.781
1043	NW_033de	0.333	0.333	0.333	0.333	0.333	0.016	0.005	0.005	0.731
1044	NW_040de	0.4	0.4	0.4	0.4	0.4	0.027	0.018	0.018	0.672
1045	NW_046de	0.466	0.466	0.466	0.466	0.466	0.021	0.017	0.017	0.628
1046	NW_053de	0.533	0.533	0.533	0.533	0.533	0.006	0.006	0.006	0.541
1047	NW_060de	0.6	0.6	0.6	0.6	0.6	0.021	0.011	0.011	0.478
1048	NW_066de	0.666	0.666	0.666	0.666	0.666	0.005	0.005	0.005	0.405
1049	NW_073de	0.734	0.734	0.734	0.734	0.734	0.021	0.024	0.024	0.322
1050	NW_080de	0.8	0.8	0.8	0.8	0.8	0.007	0.007	0.007	0.26
1051	NW_086de	0.866	0.866	0.866	0.866	0.866	0.002	0.002	0.002	0.179
1052	NW_093de	0.933	0.933	0.933	0.933	0.933	0.005	0.005	0.005	0.084
1053	NW_100de	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0

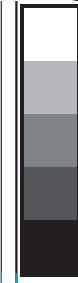
delta

gráfico TUB-QS15; código de tono: H\*e=R50Ye  
colores y diferencia en color, ΔE\*

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

QS150-TN, 3233-F

2-1131310-F0



http://130.149.60.45/~farbmetrik/QS15/QS15LOFP.PDF /.PS; 3D-linealización  
F: 3D-linealización QS15/QS15LS30FP.DAT en archivo (F), página 33/33

n	HC*Fde	rgb_Fde	icr_Fde	hsa_Fde	rgb*Fde	LabC*Fde	cmym*_sep_Fde	delta	cmym*_sep_Fde	rgb*Fde	hsa_Fde	LabC*Fde	cmym*_sep_Fde	delta	cmym*_sep_Fde	rgb*Fde	hsa_Fde	LabC*Fde	cmym*_sep_Fde	delta
1053	NW_086de	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866
1054	NW_093de	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933
1055	NW_100de	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1056	NW_006de	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066
1057	NW_013de	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133
1058	NW_020de	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
1059	NW_026de	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266
1060	NW_033de	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333
1061	NW_040de	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
1062	NW_046de	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466
1063	NW_053de	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533
1064	NW_059de	0.593	0.593	0.593	0.593	0.593	0.593	0.593	0.593	0.593	0.593	0.593	0.593	0.593	0.593	0.593	0.593	0.593	0.593	0.593
1065	NW_066de	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666
1066	NW_073de	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734	0.734
1067	NW_080de	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
1068	NW_086de	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866	0.866
1069	NW_093de	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933	0.933
1070	NW_100de	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1071	NW_006de	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066	0.066
1072	NW_013de	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133	0.133
1073	NW_020de	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
1074	NW_026de	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266
1075	NW_033de	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333	0.333
1076	NW_040de	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
1077	NW_046de	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466	0.466
1078	NW_053de	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533	0.533
1079	NW_059de	0.593	0.593	0.593	0.593	0.593	0.593	0.593	0.593	0.593	0.593	0.593	0.593	0.593	0.593	0.593	0.593	0.593	0.593	0.593

gráfico TUB-QS15; código de tono: H\*\_e=R50Y\_e  
colores y diferencia en color, ΔE\*<sub>a</sub>

