

see similar files: <http://130.149.60.45/~farbmetrik/RE33/RE33L0FP.PDF> / .PS  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

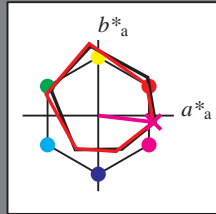
TUB registration: 20150701-RE33/RE33L0FP.PDF /.PS  
application for measurement of offset print output, separation cmyk\* (CMYK)  
TUB material: code=thadata

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue  $h_{ab,a,rel} = h_{ab}/360 = 353/360 = 0.98$

$H^*_d = B50R_d$

Data for any device (d) or elementary (e) colour:

$HIC^*_d$   
hue text for the colours  
of this page:  
 $H^*_d = B50R_d$   
triangle lightness  $T^*$



ORS20a; adapted (a) CIELAB data

name	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
R <sub>d, Ma</sub>	47.3	63.8	41.2	76.0	32
Y <sub>d, Ma</sub>	88.3	-11.9	95.1	95.8	97
G <sub>d, Ma</sub>	51.9	-68.8	28.1	74.3	157
C <sub>d, Ma</sub>	58.3	-29.2	-43.7	52.6	236
B <sub>d, Ma</sub>	25.3	23.5	-47.3	52.8	296
M <sub>d, Ma</sub>	48.2	72.8	-8.5	73.3	353
N <sub>d, Ma</sub>	17.7	0.0	0.0	0.0	0
W <sub>d, Ma</sub>	95.4	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

Data for maximum colour (Ma):

$LabCh^*_d, Ma$ : 48 72 -8 73 353

$HIC^*_d, Ma$ : B50R\_100\_100<sub>d</sub>

$rgbic^*_d, Ma$ :

1.0 0.0 1.0 1.0 1.0

triangle lightness  $T^*$

ORS20a; adapted (a) CIELAB data

$H^*_d$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100 <sub>d</sub>	47.3	63.8	41.2	76.0	32
R25Y_100_100 <sub>d</sub>	55.3	45.8	52.2	69.5	48
R50Y_100_100 <sub>d</sub>	67.2	22.6	67.6	71.2	71
R75Y_100_100 <sub>d</sub>	79.9	1.0	83.9	83.9	89
Y00G_100_100 <sub>d</sub>	88.3	-11.9	95.1	95.8	97
Y25G_100_100 <sub>d</sub>	83.3	-19.2	83.7	85.9	102
Y50G_100_100 <sub>d</sub>	72.7	-31.3	66.0	73.1	115
Y75G_100_100 <sub>d</sub>	60.4	-48.8	46.7	67.6	136
G00B_100_100 <sub>d</sub>	51.9	-68.8	28.1	74.3	157
G25B_100_100 <sub>d</sub>	54.8	-51.0	-12.3	52.5	193
G50B_100_100 <sub>d</sub>	58.3	-29.2	-43.7	52.6	236
G75B_100_100 <sub>d</sub>	42.7	-6.0	-45.0	45.4	262
B00R_100_100 <sub>d</sub>	25.3	23.5	-47.3	52.8	296
B25R_100_100 <sub>d</sub>	37.8	53.8	-26.3	59.9	333
B50R_100_100 <sub>d</sub>	48.2	72.8	-8.5	73.3	353
B75R_100_100 <sub>d</sub>	47.7	67.7	14.0	69.1	11

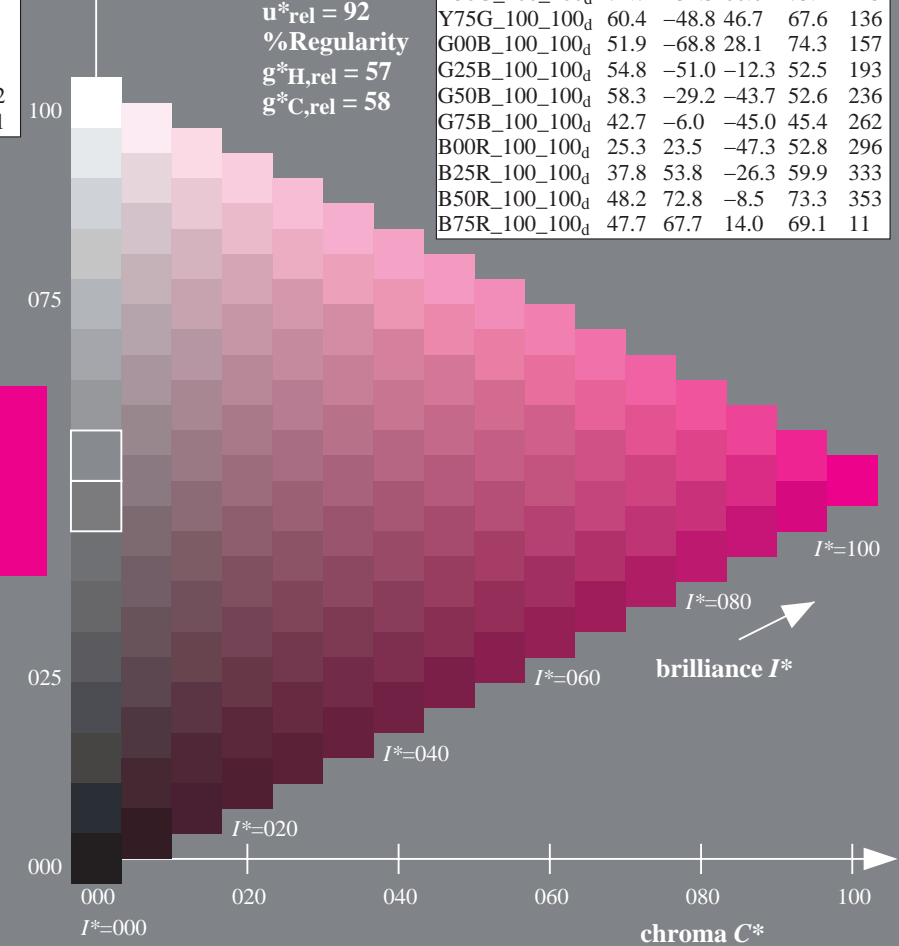
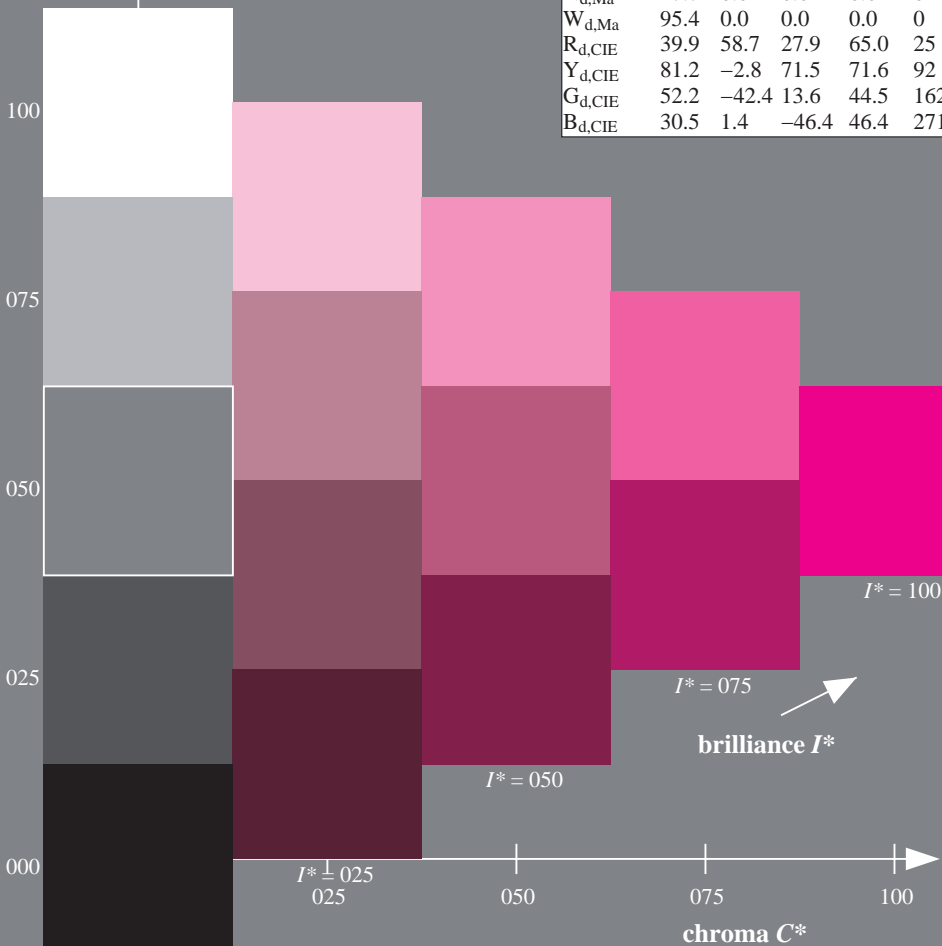
%Gamut

$u^*_{rel} = 92$

%Regularity

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

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



1-103130-L0 RE330-72

TUB-test chart RE33; hue code:  $H^*_d=B50R_d$   
Test chart according to DIN 33872, 3D=1, de=0, cmyk\*

input:  $rgb/cmyk \rightarrow rgb_{dd}$   
output: 3D-linearization to  $cmyk^*_{dd}$

1-103130-F0