

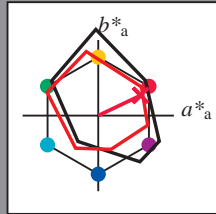
see similar files: <http://130.149.60.45/~farbmetrik/PE99/PE99.HTM>  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20150701-PE99/PE99L0NP.PDF /PS  
application for measurement of laser printer output, separation cmykn6 (CMYK)  
TUB material: code=thadata

Input and Output: Printer Reflective System FRS06a for relative CIELAB hue  $h_{ab,a,rel} = h_{ab}/360 = 25/360 = 0.07$

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

$HIC^*_e$   
hue text for the colours  
of this page:  
 $H^*_e = R00Y_e$   
triangle lightness  $T^*$



LRS18a; adapted (a) CIELAB data

name	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
R <sub>e, Ma</sub>	47.5	56.0	26.7	62.1	25
Y <sub>e, Ma</sub>	83.6	-3.1	76.8	76.9	92
G <sub>e, Ma</sub>	53.8	-65.9	21.1	69.2	162
C <sub>e, Ma</sub>	54.9	-38.7	-29.1	48.4	216
B <sub>e, Ma</sub>	37.3	1.4	-48.6	48.7	271
M <sub>e, Ma</sub>	38.5	46.7	-28.5	54.7	328
N <sub>e, Ma</sub>	23.8	0.0	0.0	0.0	0
W <sub>e, Ma</sub>	95.8	0.0	0.0	0.0	0
R <sub>e, CIE</sub>	39.9	58.7	27.9	65.0	25
Y <sub>e, CIE</sub>	81.2	-2.8	71.5	71.6	92
G <sub>e, CIE</sub>	52.2	-42.4	13.6	44.5	162
B <sub>e, CIE</sub>	30.5	1.4	-46.4	46.4	271

Data for maximum colour (Ma):

LabCh<sup>\*</sup><sub>e, Ma</sub>: 47 56 26 62 25

HIC<sup>\*</sup><sub>e, Ma</sub>: R00Y\_100\_100<sub>e</sub>

rgbic<sup>\*</sup><sub>e, Ma</sub>:

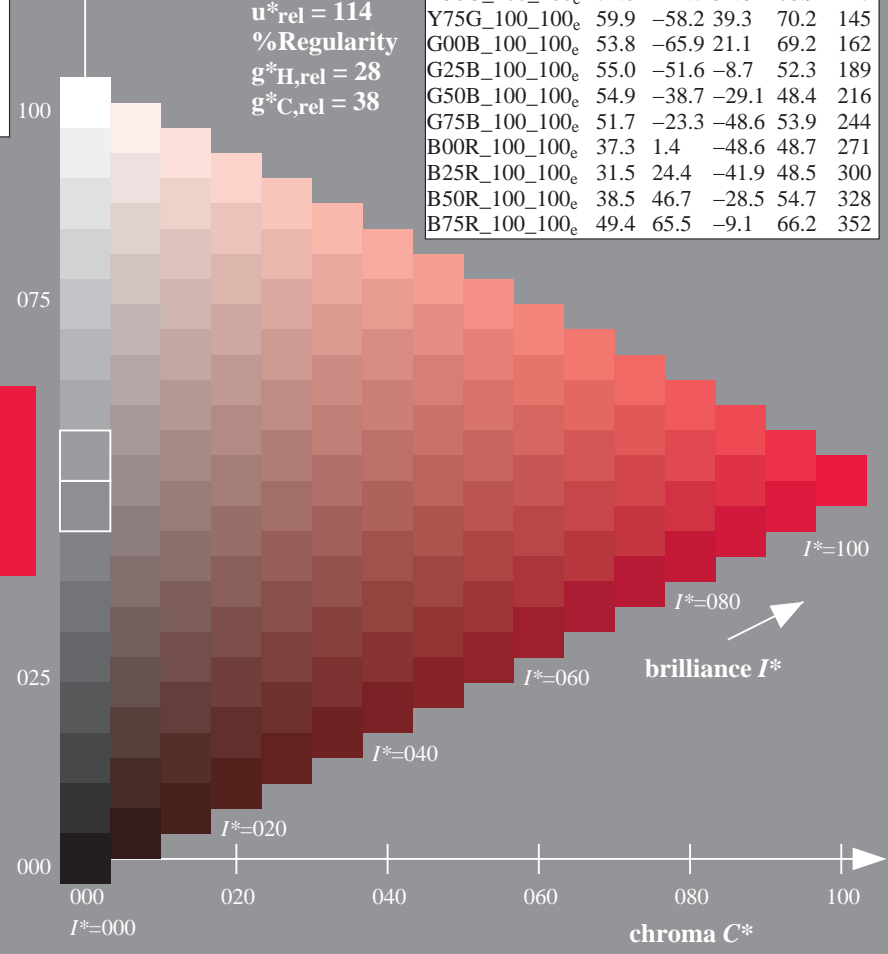
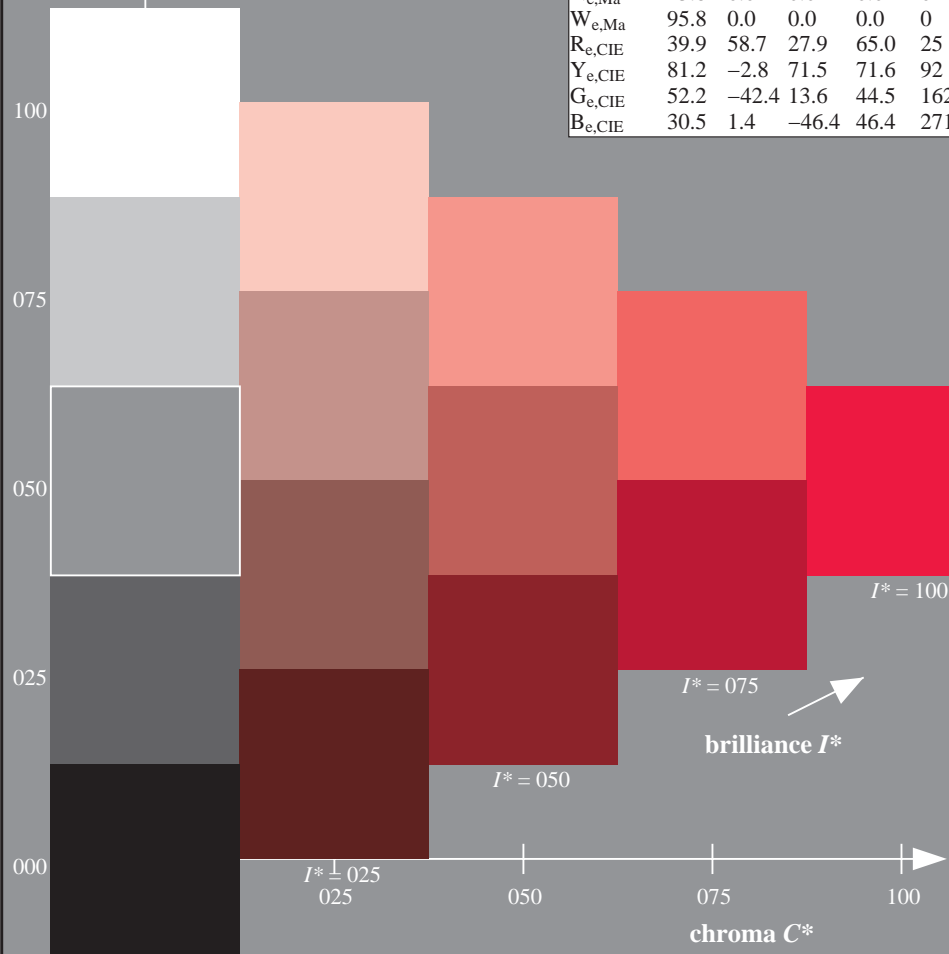
1.0 0.0 0.26 1.0 1.0

triangle lightness  $T^*$

LRS18a; adapted (a) CIELAB data

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

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



1-013130-L0 PE990-71

TUB-test chart PE99; hue code:  $H^*_e=R00Y_e$   
Test chart according to DIN 33872, 3D=0, de=1, cmyk

input: rgb/cmyk -> rgb<sub>e</sub>  
output: transfer to cmyk<sub>e</sub>

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