

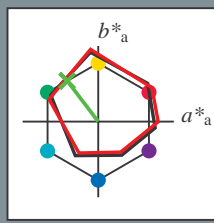
see similar files: http://130.149.60.45/~farbmetrik/QE56/QE56L0FP.PDF /.PS  
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-QE56/QE56L0FP.PDF /.PS  
application for measurement of offset print output, separation $cmY0^*$  (CMY0)  
TUB material: code=thadata

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue  $h_{ab,a,rel} = h_{ab}/360 = 127/360 = 0.35$

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

$HIC^*_e$   
hue text for the colours of this page:  
 $H^*_e = Y50G_e$   
triangle lightness  $T^*$



ORS20a; adapted (a) CIELAB data

Name	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
R <sub>e, Ma</sub>	45.6	72.2	34.4	80.0	25
Y <sub>e, Ma</sub>	83.6	-3.6	90.4	90.4	92
G <sub>e, Ma</sub>	50.6	-62.1	19.9	65.2	162
C <sub>e, Ma</sub>	55.0	-36.2	-27.2	45.3	216
B <sub>e, Ma</sub>	40.2	1.2	-40.6	40.6	271
M <sub>e, Ma</sub>	31.1	47.7	-29.1	55.9	328
N <sub>e, Ma</sub>	24.3	0.0	0.0	0.0	0
W <sub>e, Ma</sub>	95.6	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

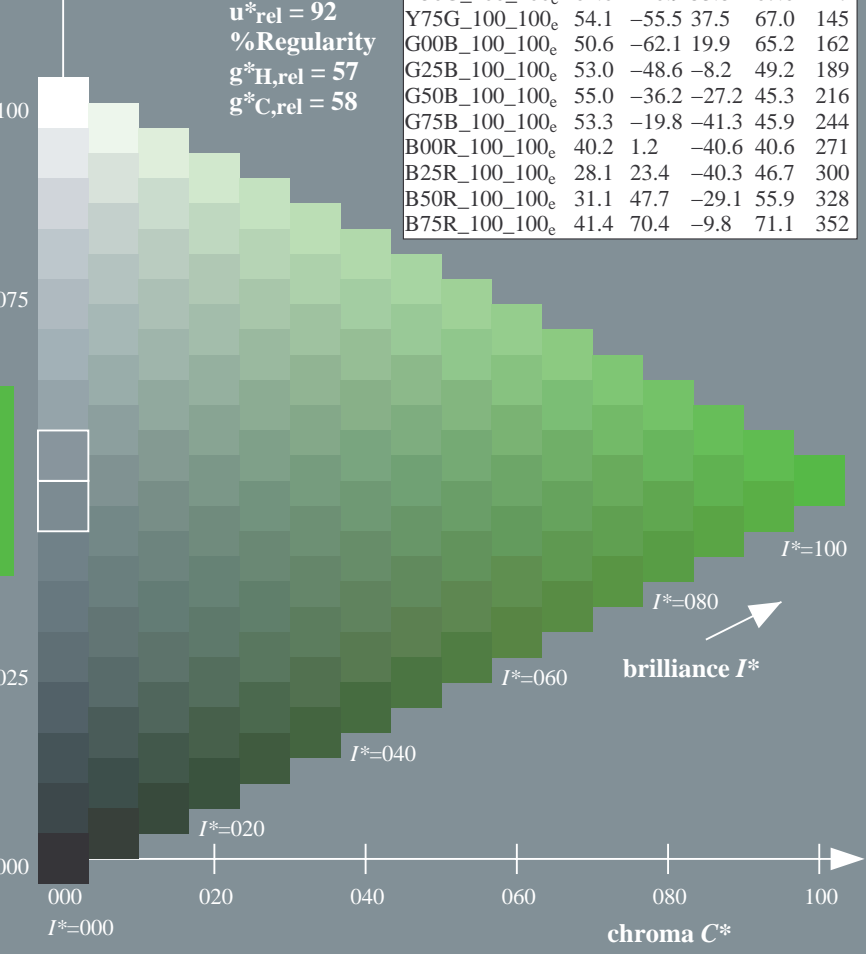
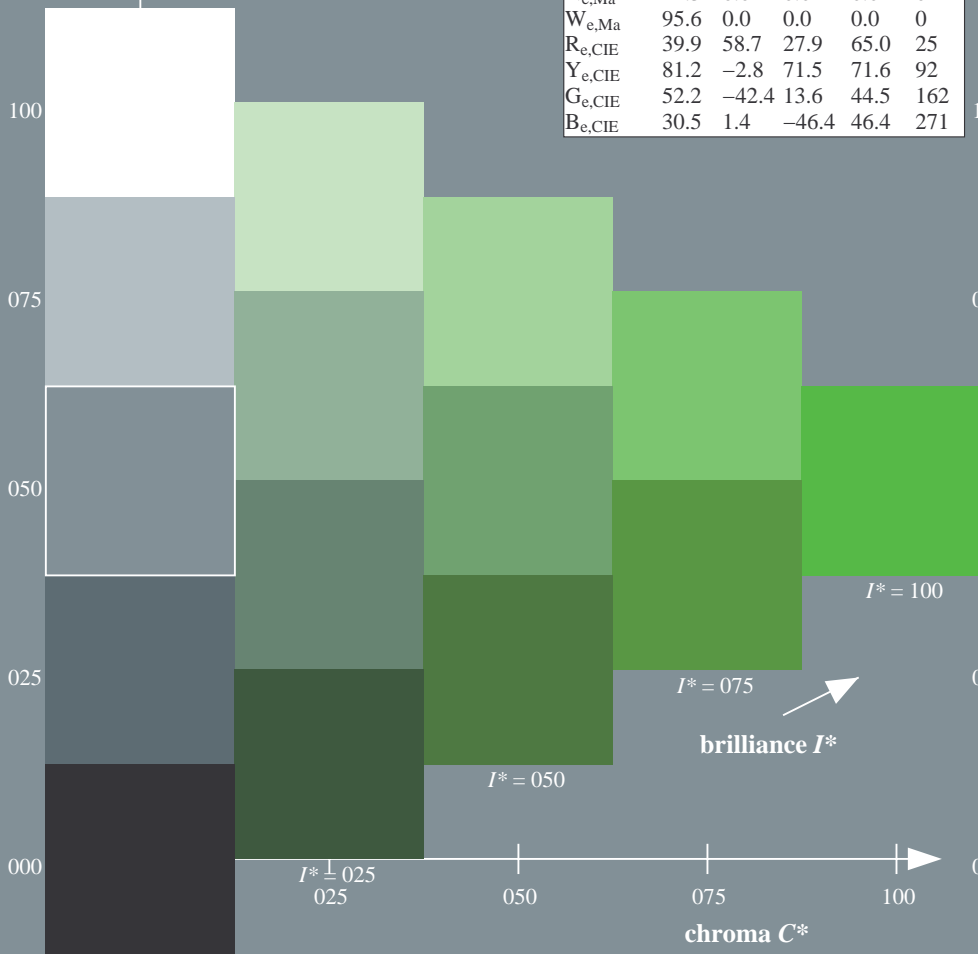
Data for maximum colour (Ma):

$LabCh^*_{e, Ma}$ : 62 -40 53 67 127  
 $HIC^*_{e, Ma}$ : Y50G\_100\_100<sub>e</sub>  
 $rgbic^*_{e, Ma}$ :  
0.32 1.0 0.0 1.0 1.0  
triangle lightness  $T^*$

ORS20a; 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>	45.6	72.2	34.4	80.0	25
R25Y_100_100 <sub>e</sub>	50.5	59.2	51.6	78.6	41
R50Y_100_100 <sub>e</sub>	60.2	38.2	63.4	74.1	58
R75Y_100_100 <sub>e</sub>	70.9	17.9	75.9	77.9	76
Y00G_100_100 <sub>e</sub>	83.6	-3.6	90.4	90.4	92
Y25G_100_100 <sub>e</sub>	74.5	-25.0	74.3	78.4	108
Y50G_100_100 <sub>e</sub>	62.6	-40.9	53.8	67.6	127
Y75G_100_100 <sub>e</sub>	54.1	-55.5	37.5	67.0	145
G00B_100_100 <sub>e</sub>	50.6	-62.1	19.9	65.2	162
G25B_100_100 <sub>e</sub>	53.0	-48.6	-8.2	49.2	189
G50B_100_100 <sub>e</sub>	55.0	-36.2	-27.2	45.3	216
G75B_100_100 <sub>e</sub>	53.3	-19.8	-41.3	45.9	244
B00R_100_100 <sub>e</sub>	40.2	1.2	-40.6	40.6	271
B25R_100_100 <sub>e</sub>	28.1	23.4	-40.3	46.7	300
B50R_100_100 <sub>e</sub>	31.1	47.7	-29.1	55.9	328
B75R_100_100 <sub>e</sub>	41.4	70.4	-9.8	71.1	352

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



1-113131-L0 QE560-73

TUB-test chart QE56; hue code:  $H^*_e=Y50G_e$   
Test chart according to DIN 33872, 3D=1, de=1,  $cmY0^*$

input:  $rgb/cmyk \rightarrow rgb_{de}$   
output: 3D-linearization to  $cmY0^*_{de}$

1-113131-F0