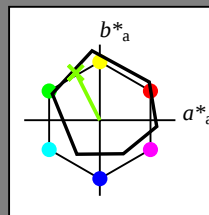


triangle lightness T^* 

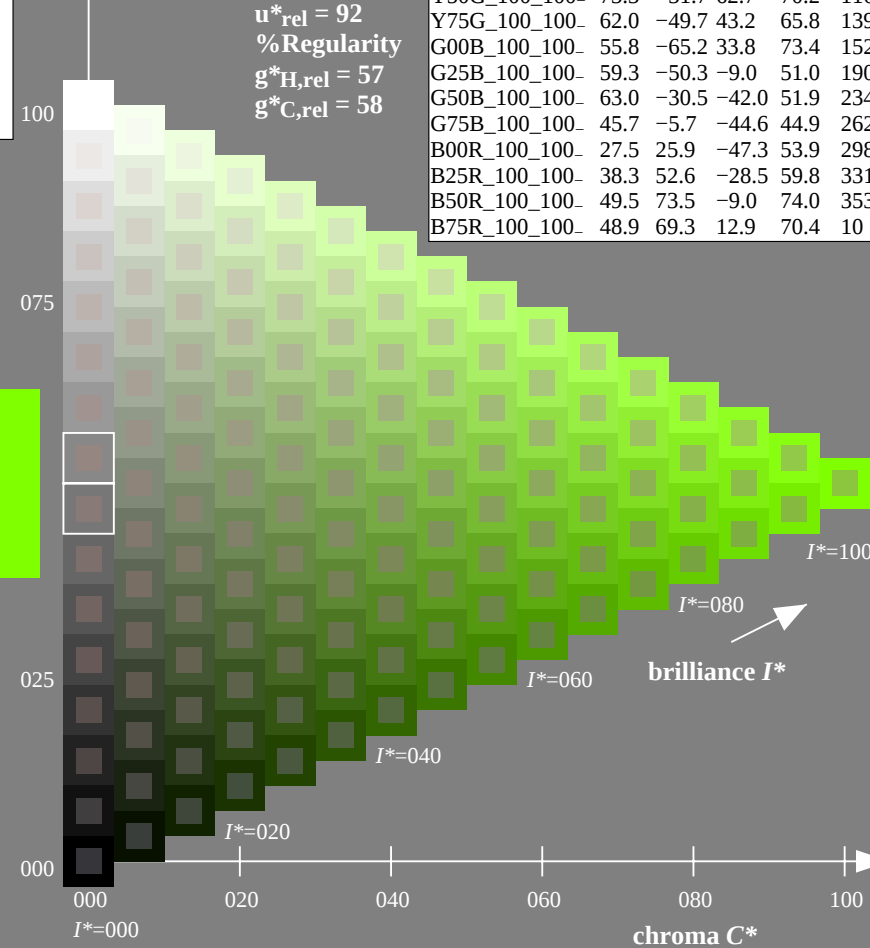
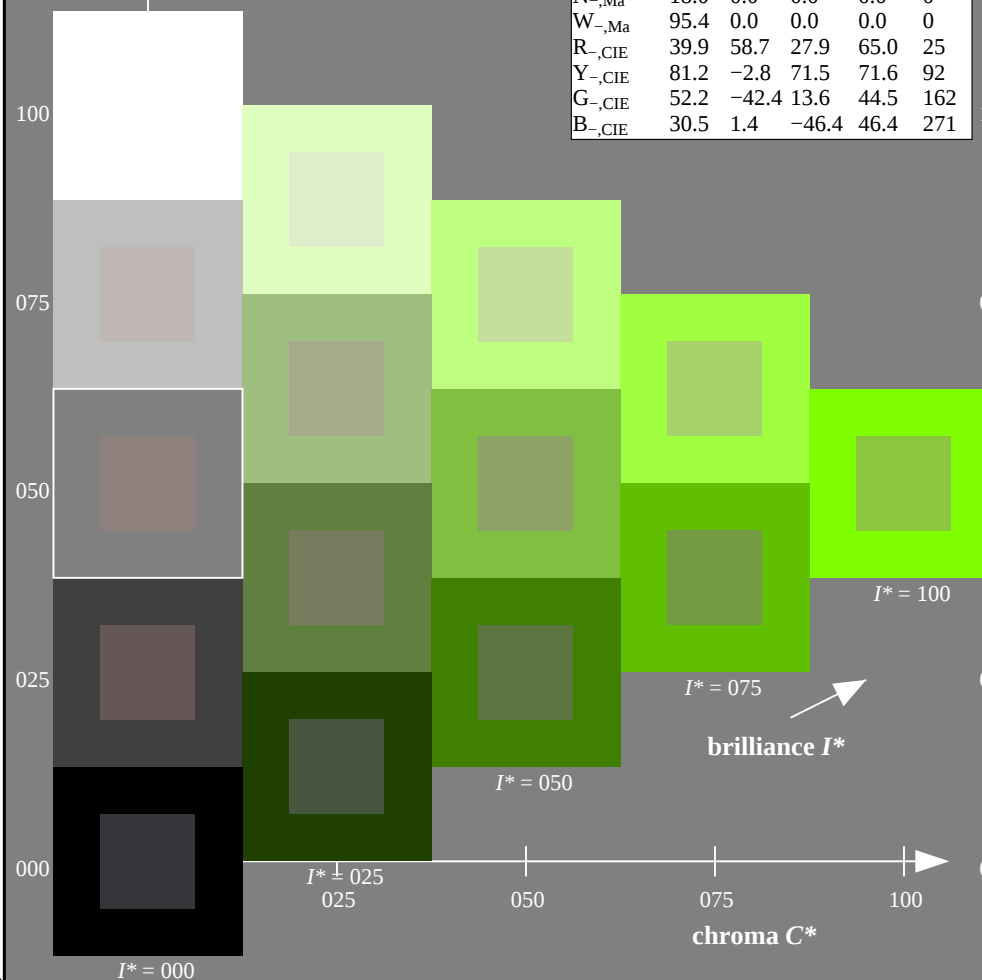
name	$L^* = L_a^* a_a^*$	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	
R ₋ Ma	47.9	65.3	50.5	82.6	37
Y ₋ Ma	90.3	-10.2	91.7	92.3	96
G ₋ Ma	50.9	-62.8	34.9	71.9	150
C ₋ Ma	58.6	-30.3	-45.0	54.2	236
B ₋ Ma	25.7	31.0	-44.4	54.2	305
M ₋ Ma	48.1	75.2	-8.3	75.7	353
N ₋ Ma	18.0	0.0	0.0	0.0	0
W ₋ Ma	95.4	0.0	0.0	0.0	0
R ₋ CIE	39.9	58.7	27.9	65.0	25
Y ₋ CIE	81.2	-2.8	71.5	71.6	92
G ₋ CIE	52.2	-42.4	13.6	44.5	162
B ₋ CIE	30.5	1.4	-46.4	46.4	271

0.5 1.0 0.0 1.0 1.0

triangle lightness T^*

Method	%Gamut	%Regularity	%Haplotype
Method 1	92	57	58
Method 2	92	57	58
Method 3	92	57	58

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



1-003031-L0 QE560-7N

TUB-test chart QE56; hue code: H*_a=Y50G_a
Test chart according to DIN 33872, 3D=0, de=0, *cmY0*

input: *rgb/cmyk* $\rightarrow$ *rgb/cmyk*
output: no change

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 114/360 = 0.31$

$H^*_d = Y50G_d$

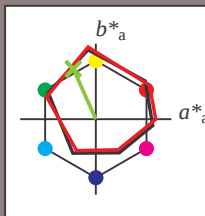
Data for any device (d) or elementary (e) colour:

HIC^*_d

hue text for the colours of this page:

$H^*_d = Y50G_d$

triangle lightness T^*



ORS20a; adapted (a) CIELAB data					
name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _d ,Ma	45.4	70.9	44.8	83.9	32
Y _d ,Ma	87.8	-10.2	95.4	96.0	96
G _d ,Ma	50.0	-65.0	29.6	71.4	155
C _d ,Ma	56.8	-25.5	-41.5	48.7	238
B _d ,Ma	25.0	29.5	-40.4	50.0	306
M _d ,Ma	46.1	79.3	-0.2	79.3	359
N _d ,Ma	24.3	0.0	0.0	0.0	0
W _d ,Ma	95.6	0.0	0.0	0.0	0
R _d ,CIE	39.9	58.7	27.9	65.0	25
Y _d ,CIE	81.2	-2.8	71.5	71.6	92
G _d ,CIE	52.2	-42.4	13.6	44.5	162
B _d ,CIE	30.5	1.4	-46.4	46.4	271

Data for maximum colour (Ma):

$LabCh^*_d, Ma: 70 \ -29 \ 66 \ 72 \ 114$

$HIC^*_d, Ma: Y50G_100_100_d$

$rgbic^*_d, Ma:$

0.5 1.0 0.0 1.0 1.0

triangle lightness T^*

% Gamut

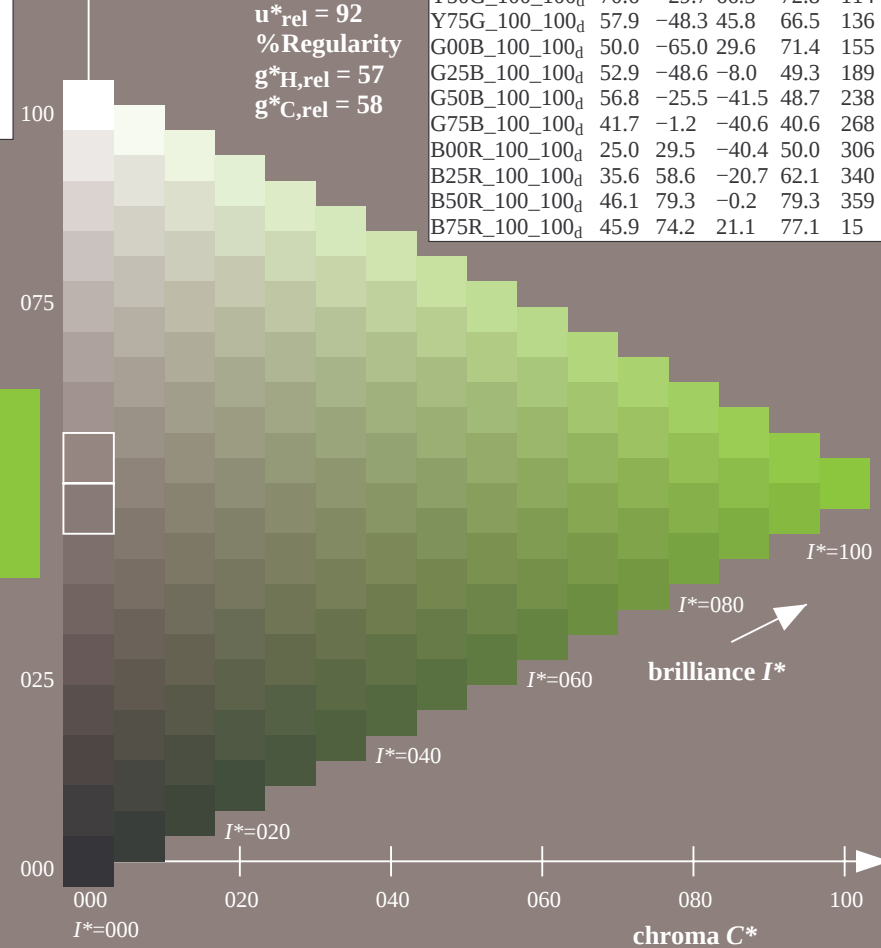
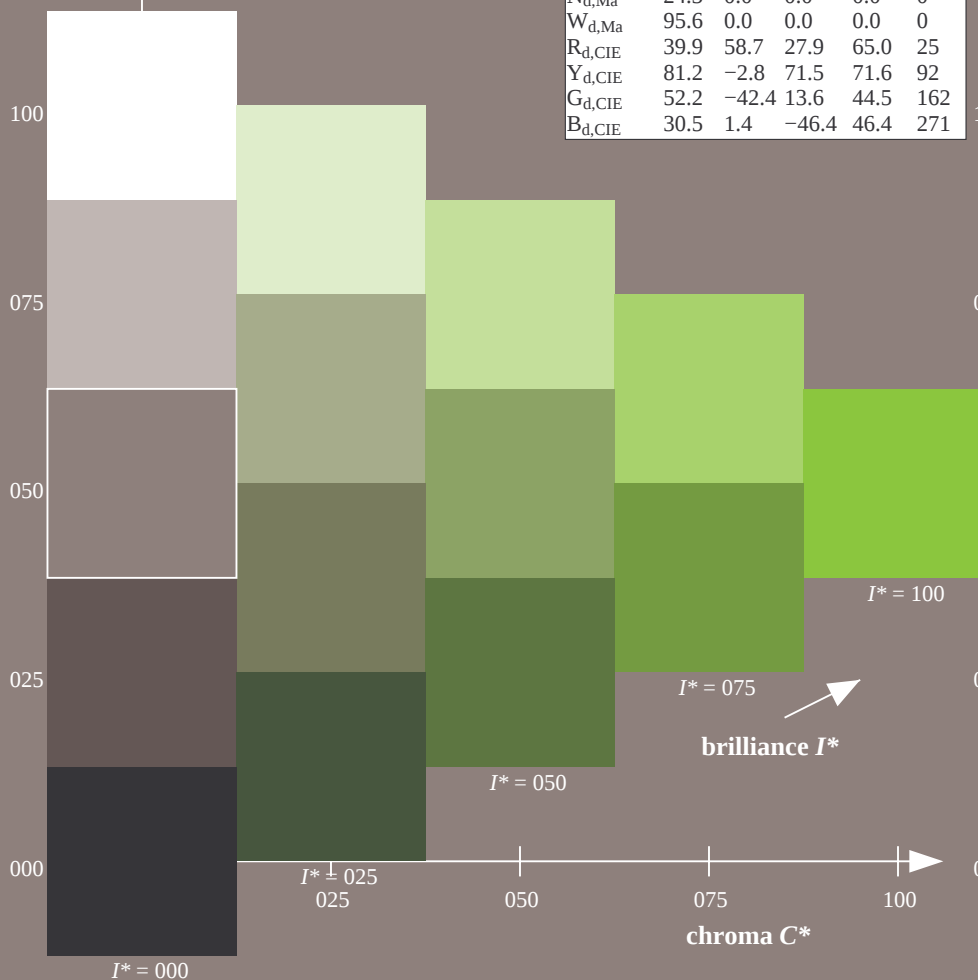
$u^*_{rel} = 92$

% Regularity

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

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

ORS20a; adapted (a) CIELAB data					
H^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100_d	45.4	70.9	44.8	83.9	32
R25Y_100_100_d	53.0	53.4	54.8	76.5	45
R50Y_100_100_d	64.9	28.9	68.6	74.5	67
R75Y_100_100_d	78.6	4.3	84.7	84.8	87
Y00G_100_100_d	87.8	-10.2	95.4	96.0	96
Y25G_100_100_d	81.2	-17.0	84.3	86.0	101
Y50G_100_100_d	70.6	-29.7	66.5	72.8	114
Y75G_100_100_d	57.9	-48.3	45.8	66.5	136
G00B_100_100_d	50.0	-65.0	29.6	71.4	155
G25B_100_100_d	52.9	-48.6	-8.0	49.3	189
G50B_100_100_d	56.8	-25.5	-41.5	48.7	238
G75B_100_100_d	41.7	-1.2	-40.6	40.6	268
B00R_100_100_d	25.0	29.5	-40.4	50.0	306
B25R_100_100_d	35.6	58.6	-20.7	62.1	340
B50R_100_100_d	46.1	79.3	-0.2	79.3	359
B75R_100_100_d	45.9	74.2	21.1	77.1	15



TUB-test chart QE56; hue code: $H^*_d=Y50G_d$
Test chart according to DIN 33872, 3D=0, de=0, cmy0

input: $rgb/cmyk \rightarrow rgb_d$
output: transfer to $cmy0_d$

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 116/360 = 0.32$

$H^*_{-} = Y50G_{-}$

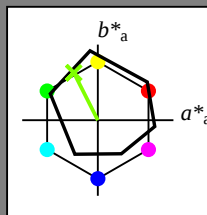
Data for any device (d) or elementary (e) colour:

HIC^*_{-}

hue text for the colours of this page:

$H^*_{-} = Y50G_{-}$

triangle lightness T^*



ORS18a; adapted (a) CIELAB data

name	$L^*=L^*_a a^*_a$	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R ₋ ,Ma	47.9	65.3	50.5	82.6
Y ₋ ,Ma	90.3	-10.2	91.7	92.3
G ₋ ,Ma	50.9	-62.8	34.9	71.9
C ₋ ,Ma	58.6	-30.3	-45.0	54.2
B ₋ ,Ma	25.7	31.0	-44.4	54.2
M ₋ ,Ma	48.1	75.2	-8.3	75.7
N ₋ ,Ma	18.0	0.0	0.0	0
W ₋ ,Ma	95.4	0.0	0.0	0
R ₋ ,CIE	39.9	58.7	27.9	65.0
Y ₋ ,CIE	81.2	-2.8	71.5	71.6
G ₋ ,CIE	52.2	-42.4	13.6	44.5
B ₋ ,CIE	30.5	1.4	-46.4	46.4

Data for maximum colour (Ma):

$LabCh^*_{-,Ma}$: 73 -31 62 70 116

$HIC^*_{-,Ma}$: Y50G_100_100-

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

0.5 1.0 0.0 1.0 1.0

triangle lightness T^*

% Gamut

$u^*_{rel} = 92$

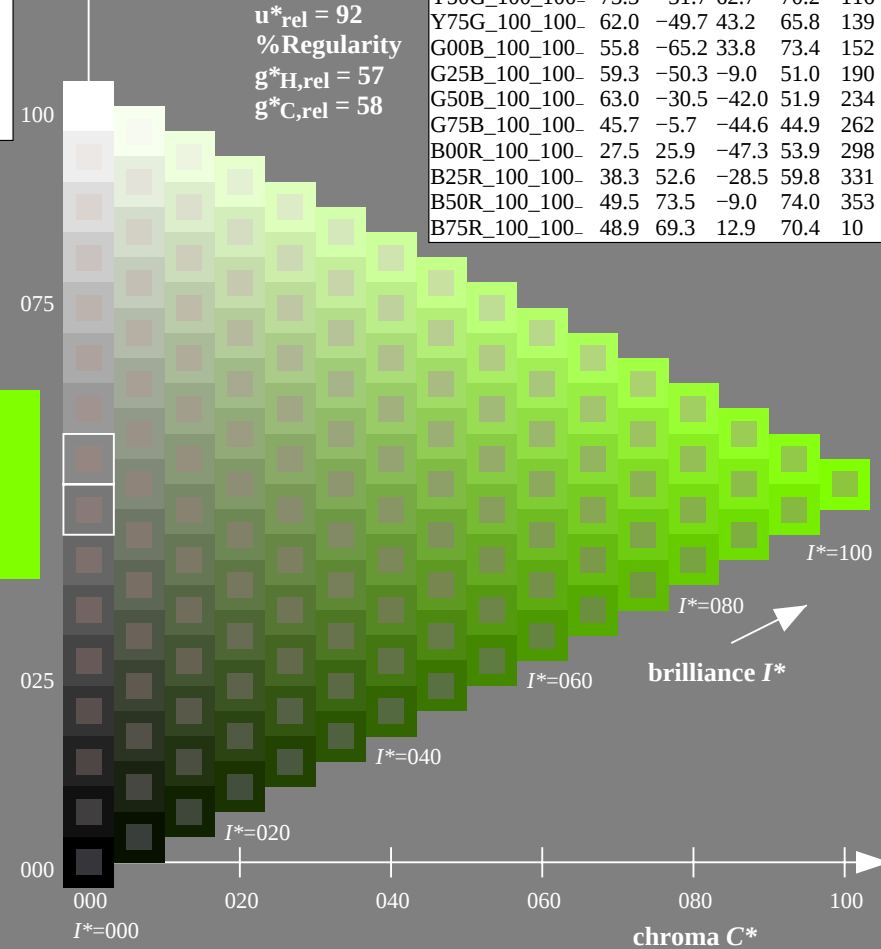
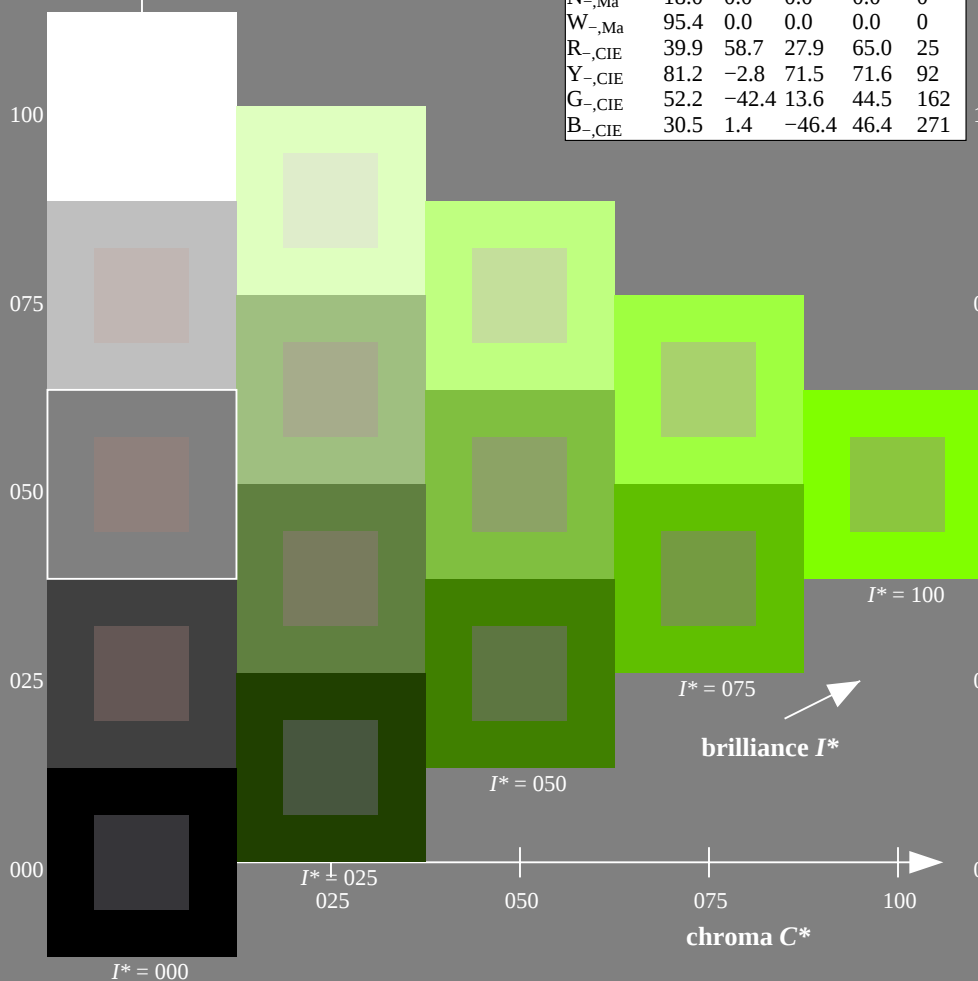
% Regularity

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

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

ORS20a; adapted (a) CIELAB data

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
R25Y_100_100-	56.8	48.0	50.5	69.6
R50Y_100_100-	68.6	25.0	63.9	68.6
R75Y_100_100-	80.6	4.8	77.2	77.3
Y00G_100_100-	90.2	-9.6	88.2	88.7
Y25G_100_100-	83.2	-18.4	79.9	81.9
Y50G_100_100-	73.3	-31.7	62.7	70.2
Y75G_100_100-	62.0	-49.7	43.2	65.8
G00B_100_100-	55.8	-65.2	33.8	73.4
G25B_100_100-	59.3	-50.3	-9.0	51.0
G50B_100_100-	63.0	-30.5	-42.0	51.9
G75B_100_100-	45.7	-5.7	-44.6	44.9
B00R_100_100-	27.5	25.9	-47.3	53.9
B25R_100_100-	38.3	52.6	-28.5	59.8
B50R_100_100-	49.5	73.5	-9.0	74.0
B75R_100_100-	48.9	69.3	12.9	70.4



TUB-test chart QE56; hue code: $H^*_{-} = Y50G_{-}$
Test chart according to DIN 33872, 3D=0, de=1, cmy0

input: $rgb/cmyk \rightarrow rgb/cmyk$
output: no change

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

$H^*_e = Y50G_e$

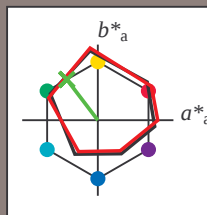
Data for any device (d) or elementary (e) colour:

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	$C^*_{ab,a}$	$h^*_{ab,a}$
$R_{e,Ma}$	45.6	72.2	34.4	80.0	25
$Y_{e,Ma}$	83.6	-3.6	90.4	90.4	92
$G_{e,Ma}$	50.6	-62.1	19.9	65.2	162
$C_{e,Ma}$	55.0	-36.2	-27.2	45.3	216
$B_{e,Ma}$	40.2	1.2	-40.6	40.6	271
$M_{e,Ma}$	31.1	47.7	-29.1	55.9	328
$N_{e,Ma}$	24.3	0.0	0.0	0.0	0
$W_{e,Ma}$	95.6	0.0	0.0	0.0	0
$R_{e,CIE}$	39.9	58.7	27.9	65.0	25
$Y_{e,CIE}$	81.2	-2.8	71.5	71.6	92
$G_{e,CIE}$	52.2	-42.4	13.6	44.5	162
$B_{e,CIE}$	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_e

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

0.32 1.0 0.0 1.0 1.0

triangle lightness T^*

% Gamut

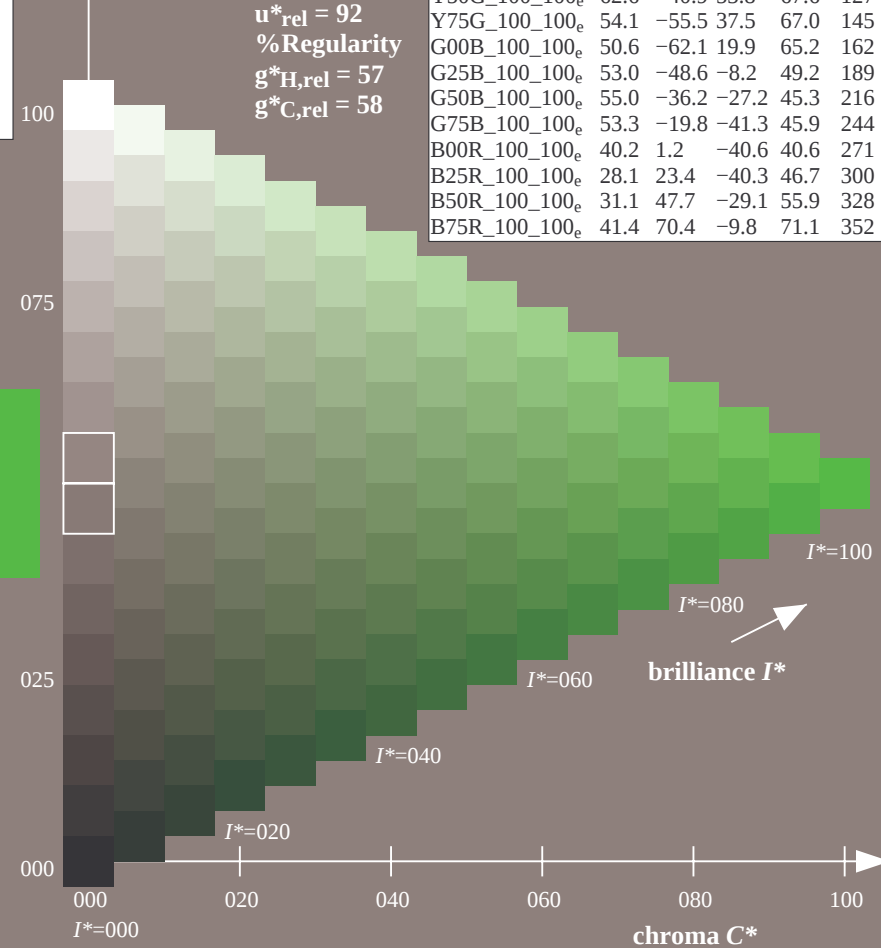
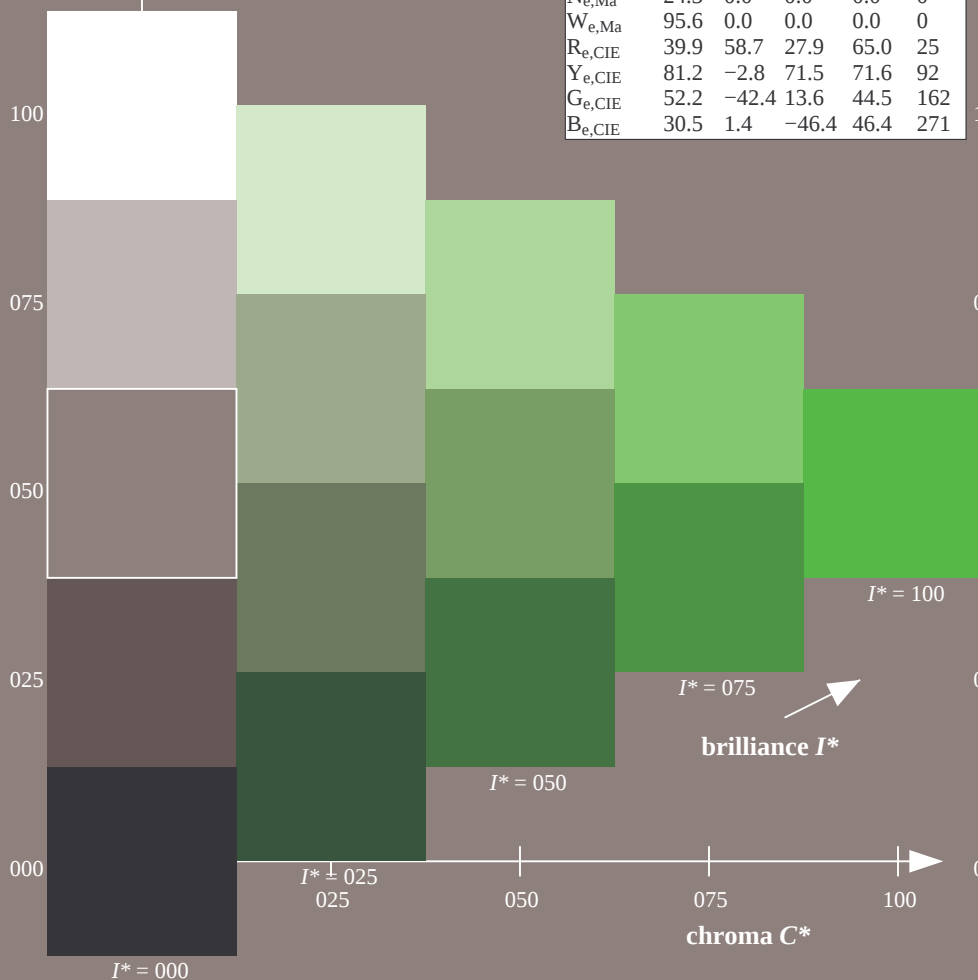
$u^*_{rel} = 92$

% Regularity

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

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

ORS20a; adapted (a) CIELAB data					
H^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R00Y_{100_100_e}$	45.6	72.2	34.4	80.0	25
$R25Y_{100_100_e}$	50.5	59.2	51.6	78.6	41
$R50Y_{100_100_e}$	60.2	38.2	63.4	74.1	58
$R75Y_{100_100_e}$	70.9	17.9	75.9	77.9	76
$Y00G_{100_100_e}$	83.6	-3.6	90.4	90.4	92
$Y25G_{100_100_e}$	74.5	-25.0	74.3	78.4	108
$Y50G_{100_100_e}$	62.6	-40.9	53.8	67.6	127
$Y75G_{100_100_e}$	54.1	-55.5	37.5	67.0	145
$G00B_{100_100_e}$	50.6	-62.1	19.9	65.2	162
$G25B_{100_100_e}$	53.0	-48.6	-8.2	49.2	189
$G50B_{100_100_e}$	55.0	-36.2	-27.2	45.3	216
$G75B_{100_100_e}$	53.3	-19.8	-41.3	45.9	244
$B00R_{100_100_e}$	40.2	1.2	-40.6	40.6	271
$B25R_{100_100_e}$	28.1	23.4	-40.3	46.7	300
$B50R_{100_100_e}$	31.1	47.7	-29.1	55.9	328
$B75R_{100_100_e}$	41.4	70.4	-9.8	71.1	352



TUB-test chart QE56; hue code: $H^*_e = Y50G_e$
Test chart according to DIN 33872, 3D=0, de=1, cmy0

input: $rgb/cmyk \rightarrow rgb_e$
output: transfer to $cmy0_e$