

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

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 333/360 = 0.92$

$H^*_d = B25R_d$

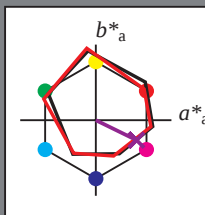
Data for any device (d) or elementary (e) colour:

HIC^*_d

hue text for the colours of this page:

$H^*_d = B25R_d$

triangle lightness T^*



ORS20a; adapted (a) CIELAB data					
name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R_{d,Ma}$	47.3	63.8	41.2	76.0	32
$Y_{d,Ma}$	88.3	-11.9	95.1	95.8	97
$G_{d,Ma}$	51.9	-68.8	28.1	74.3	157
$C_{d,Ma}$	58.3	-29.2	-43.7	52.6	236
$B_{d,Ma}$	25.3	23.5	-47.3	52.8	296
$M_{d,Ma}$	48.2	72.8	-8.5	73.3	353
$N_{d,Ma}$	17.7	0.0	0.0	0.0	0
$W_{d,Ma}$	95.4	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):

$LabCh^*_{d,Ma}$: 37 53 -26 59 333

$HIC^*_{d,Ma}$: B25R_100_100_d

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

0.5 0.0 1.0 1.0 1.0

triangle lightness T^*

% Gamut

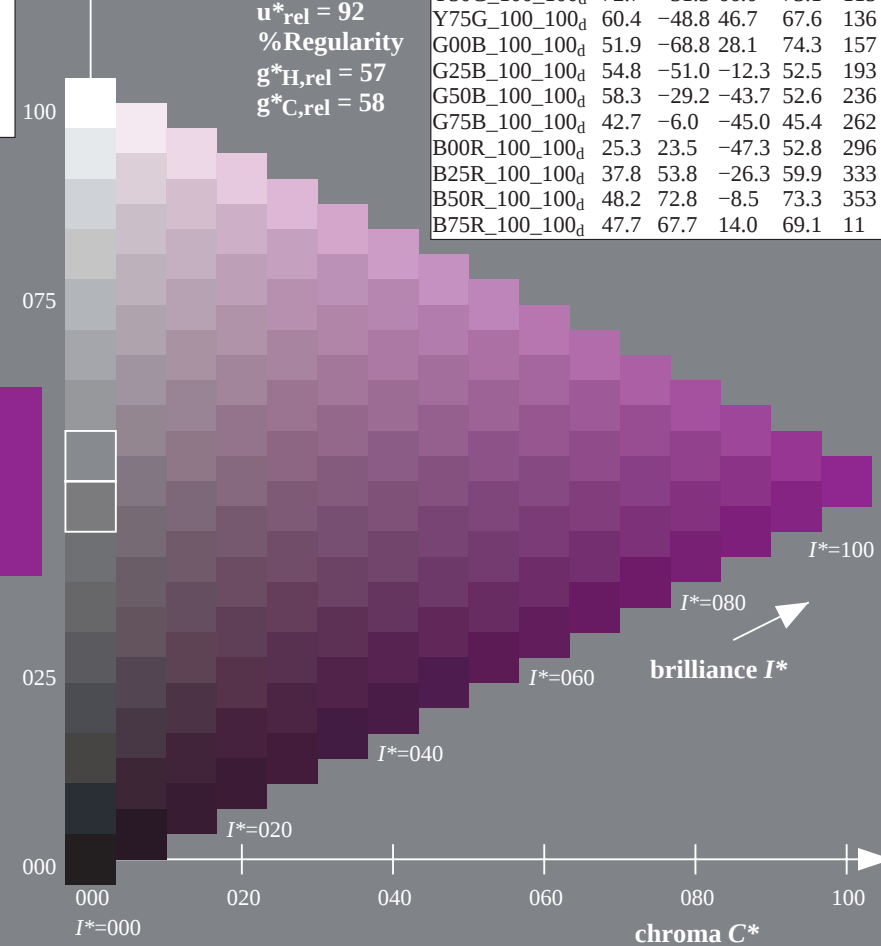
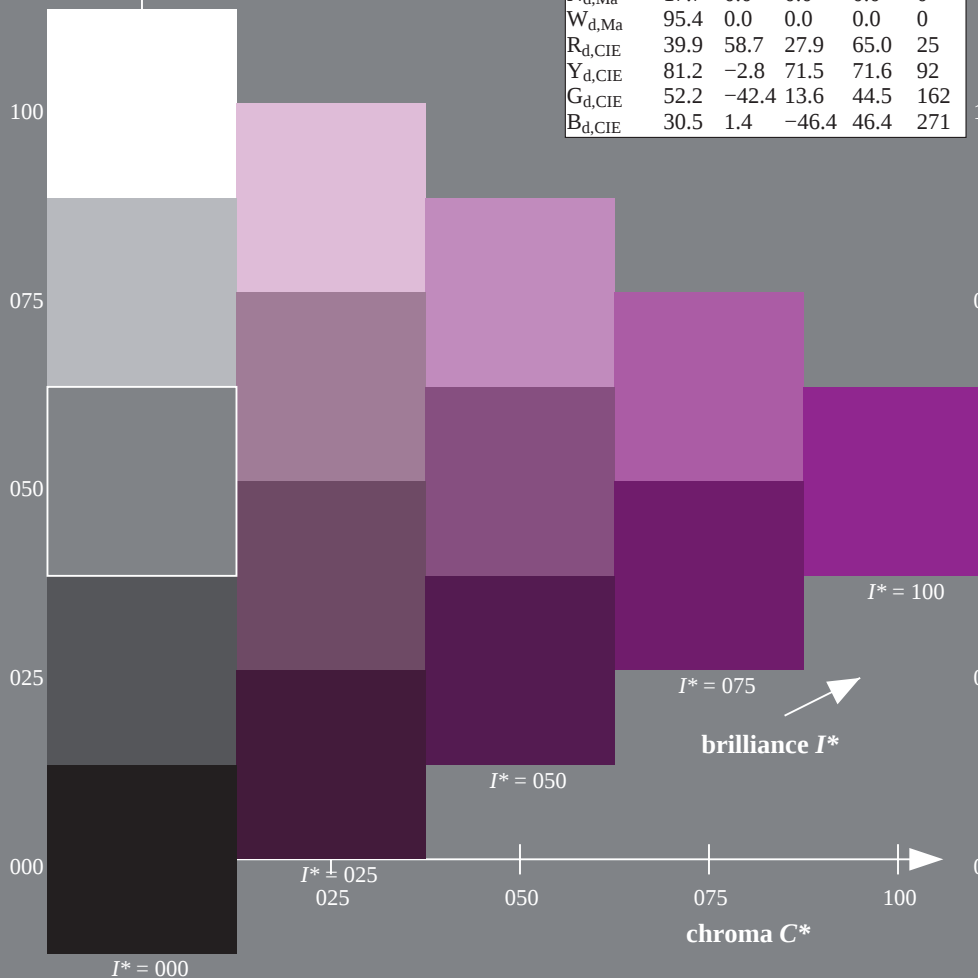
$u^*_{rel} = 92$

% Regularity

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

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

ORS20a; adapted (a) CIELAB data					
H^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R00Y_{100_100_d}$	47.3	63.8	41.2	76.0	32
$R25Y_{100_100_d}$	55.3	45.8	52.2	69.5	48
$R50Y_{100_100_d}$	67.2	22.6	67.6	71.2	71
$R75Y_{100_100_d}$	79.9	1.0	83.9	83.9	89
$Y00G_{100_100_d}$	88.3	-11.9	95.1	95.8	97
$Y25G_{100_100_d}$	83.3	-19.2	83.7	85.9	102
$Y50G_{100_100_d}$	72.7	-31.3	66.0	73.1	115
$Y75G_{100_100_d}$	60.4	-48.8	46.7	67.6	136
$G00B_{100_100_d}$	51.9	-68.8	28.1	74.3	157
$G25B_{100_100_d}$	54.8	-51.0	-12.3	52.5	193
$G50B_{100_100_d}$	58.3	-29.2	-43.7	52.6	236
$G75B_{100_100_d}$	42.7	-6.0	-45.0	45.4	262
$B00R_{100_100_d}$	25.3	23.5	-47.3	52.8	296
$B25R_{100_100_d}$	37.8	53.8	-26.3	59.9	333
$B50R_{100_100_d}$	48.2	72.8	-8.5	73.3	353
$B75R_{100_100_d}$	47.7	67.7	14.0	69.1	11



TUB-test chart RE23; hue code: $H^*_d=B25R_d$
Test chart according to DIN 33872, 3D=1, de=0, $cm\dot{y}k^*$

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

TUB registration: 20150701-RE23/RE23L0FA.TXT /PS
application for measurement of offset print output, separation $cm\dot{y}n6^*$ (CMYK)
TUB material: code=rha4ta

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 331/360 = 0.92$

$H^*_- = B25R_-$

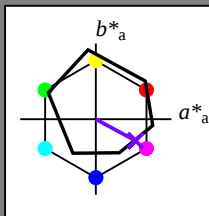
Data for any device (d) or elementary (e) colour:

HIC^*_-

hue text for the colours of this page:

$H^*_- = B25R_-$

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	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

Data for maximum colour (Ma):

$LabCh^*_{-,Ma}$: 38 52 -28 59 331

$HIC^*_{-,Ma}$: B25R_100_100_

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

0.5 0.0 1.0 1.0 1.0

triangle lightness T^*

% Gamut

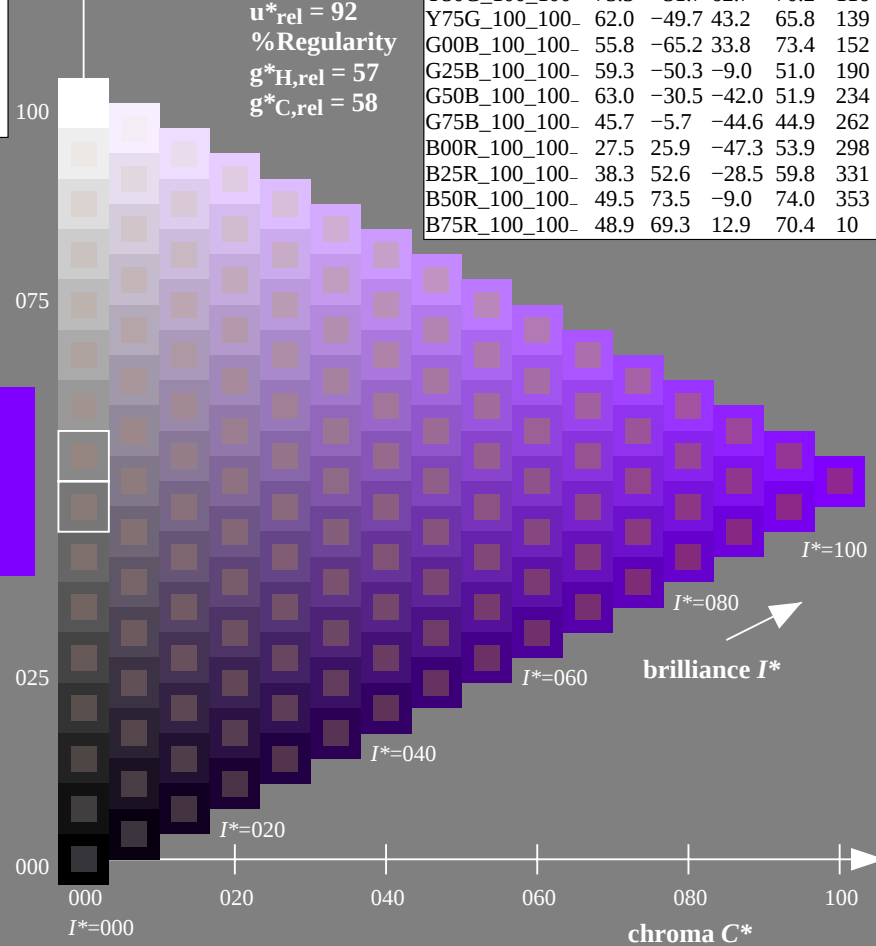
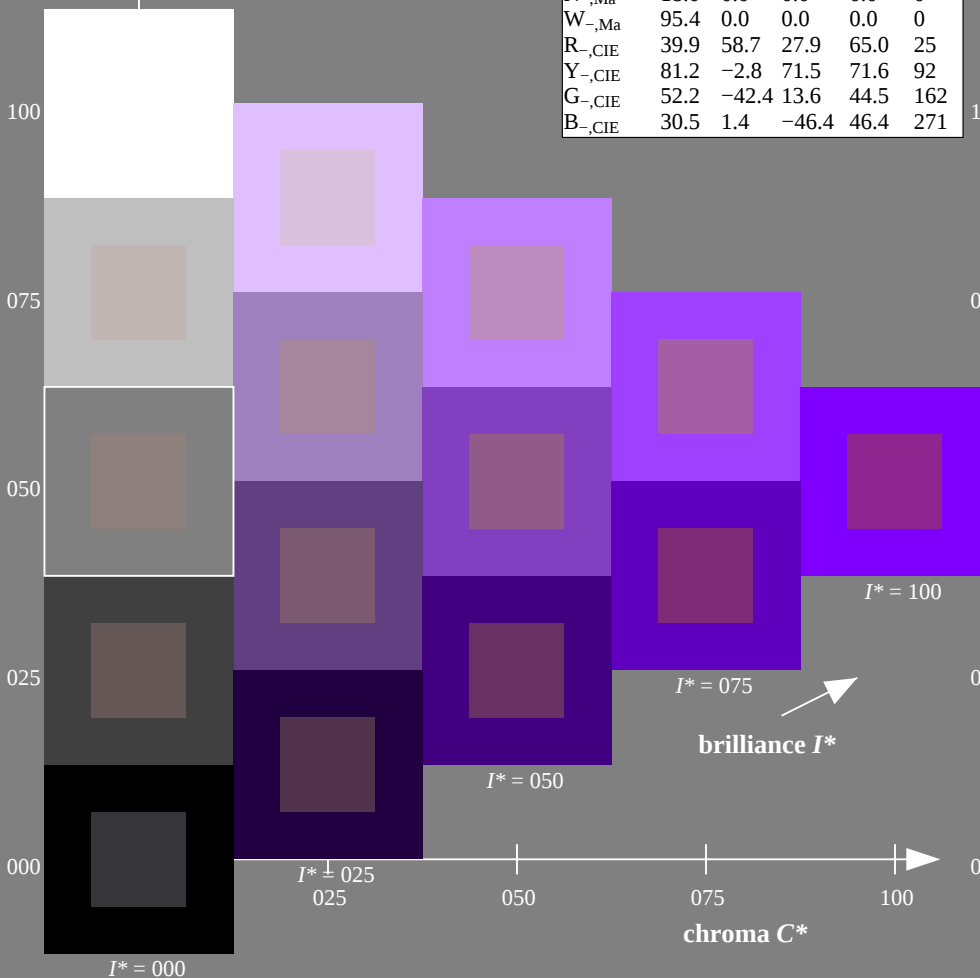
$u^*_{rel} = 92$

% 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	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



TUB-test chart RE23; hue code: $H^*_- = B25R_-$
Test chart according to DIN 33872, 3D=1, de=1, cmk^*

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

TUB registration: 20150701-RE23/RE23L0FA.TXT /.PS
application for measurement of offset print output

TUB material: code=rha4ta

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 300/360 = 0.83$

$H^*_e = B25R_e$

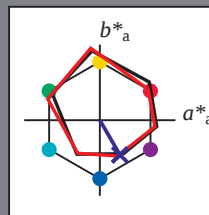
Data for any device (d) or elementary (e) colour:

HIC^*_e

hue text for the colours of this page:

$H^*_e = B25R_e$

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	47.6	64.9	30.9	71.9	25
Y_e, Ma	82.9	-3.5	87.8	87.9	92
G_e, Ma	52.4	-67.1	21.5	70.5	162
C_e, Ma	56.6	-39.7	-29.9	49.8	216
B_e, Ma	37.9	1.3	-45.4	45.4	271
M_e, Ma	34.8	49.2	-30.0	57.7	328
N_e, Ma	17.7	0.0	0.0	0.0	0
W_e, Ma	95.4	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):

$LabCh^*_e, Ma$: 26 26 -45 52 300

HIC^*_e, Ma : B25R_100_100_e

$rgbic^*_e, Ma$:

0.04 0.0 1.0 1.0 1.0

triangle lightness T^*

% Gamut

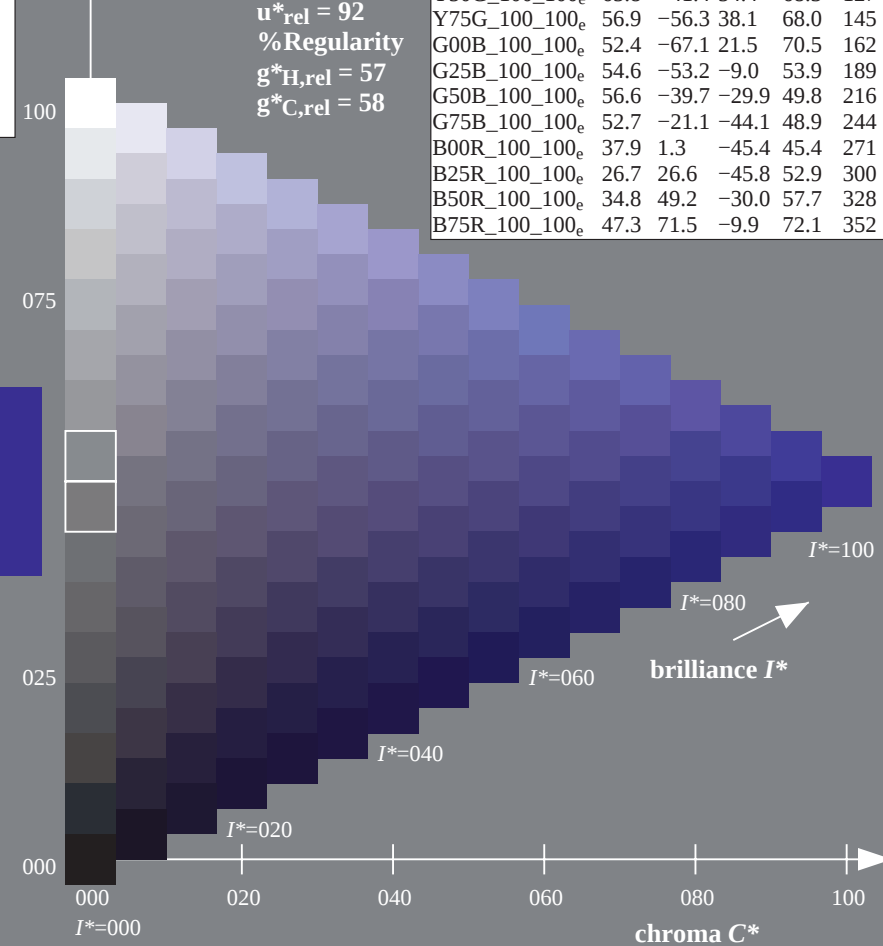
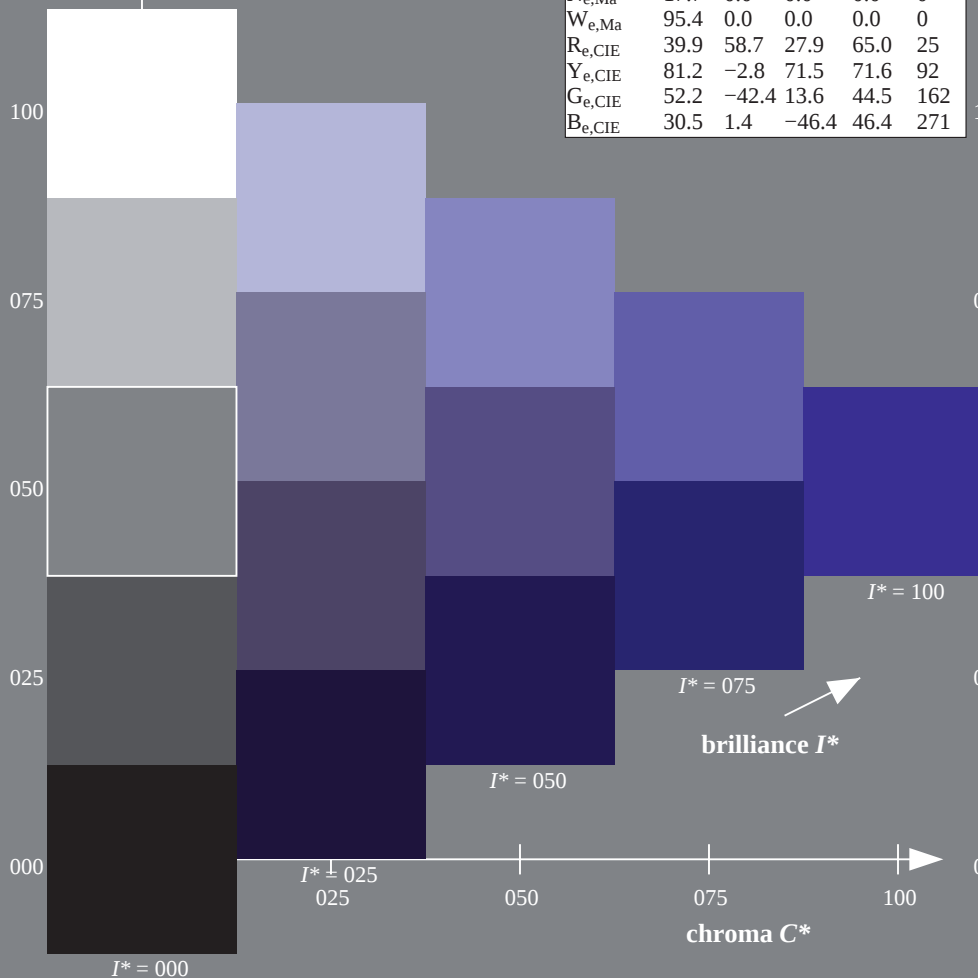
$u^*_{rel} = 92$

% Regularity

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

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

ORS20a; adapted (a) CIELAB data					
H^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R00Y_100_100_e$	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



TUB-test chart RE23; hue code: $H^*_e = B25R_e$
Test chart according to DIN 33872, 3D=1, de=1, $cm\dot{y}k^*$

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