

Input and Output: Offset Reflective System ORS18a

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

HIC*-

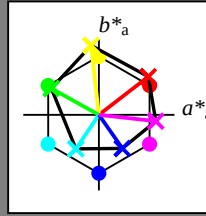
hue text for the colours

of this page:

H*- = R00Y-, R25Y-, ..., B75R-

ORS20a; adapted (a) CIELAB data

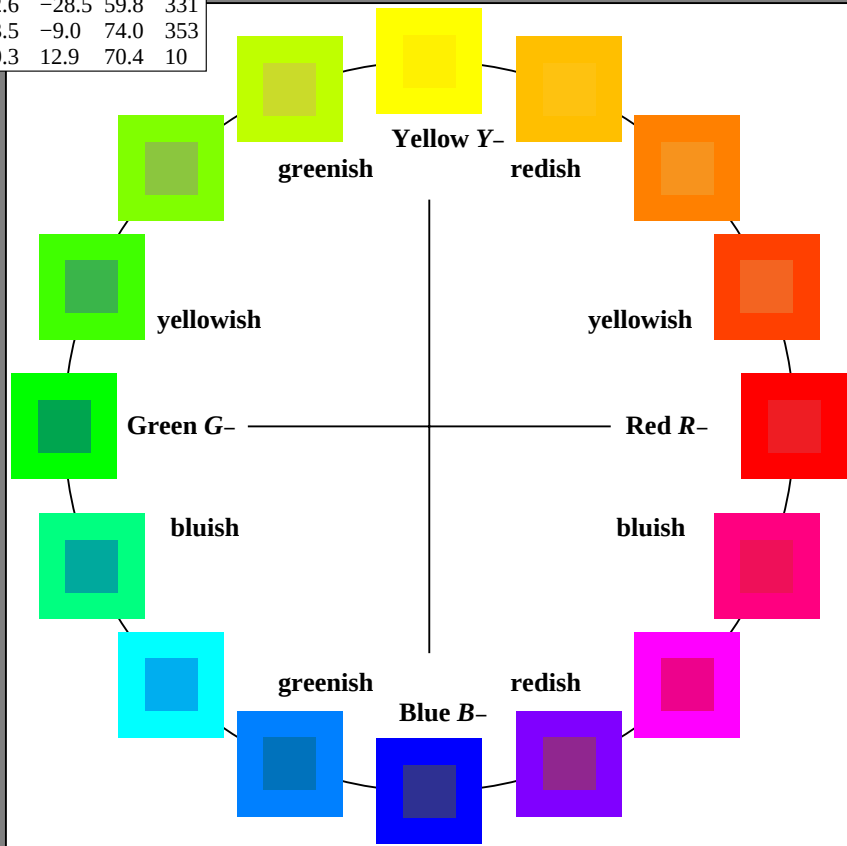
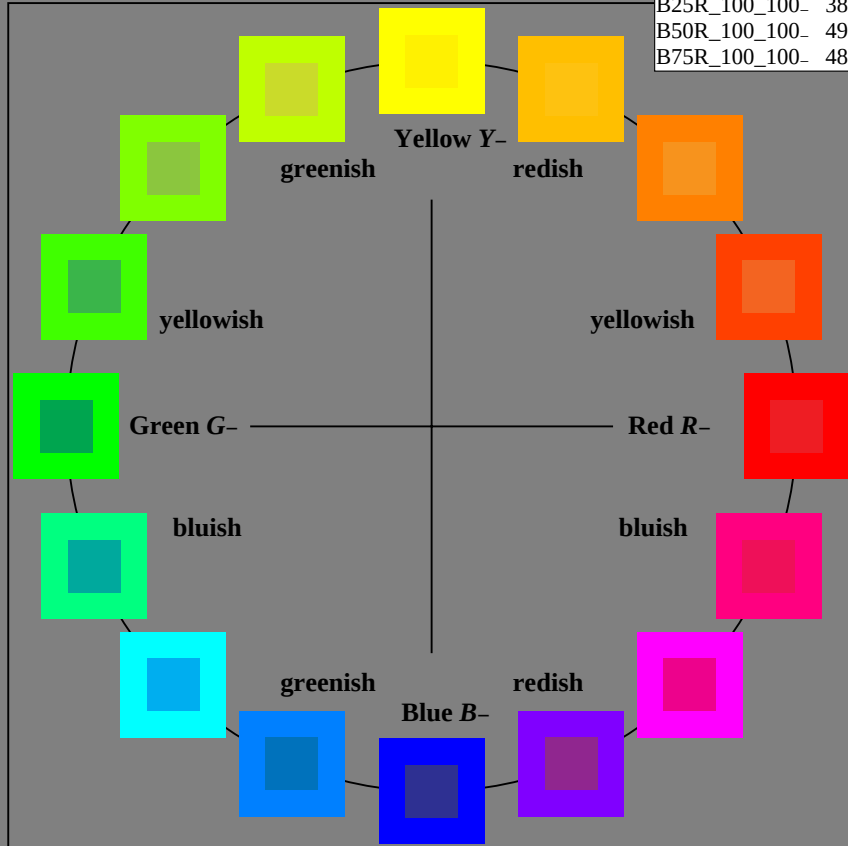
H*-	L*=L*a*a_a	b*_a	C*_ab,a	h*_ab,a
R00Y_100_100_	48.4	66.1	40.2	77.3
R25Y_100_100_	56.8	48.0	50.5	69.6
R50Y_100_100_	68.6	25.0	63.9	68.6
R75Y_100_100_	80.6	4.8	77.2	77.3
Y00G_100_100_	90.2	-9.6	88.2	88.7
Y25G_100_100_	83.2	-18.4	79.9	81.9
Y50G_100_100_	73.3	-31.7	62.7	70.2
Y75G_100_100_	62.0	-49.7	43.2	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



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

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	0.0
W-,Ma	95.4	0.0	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



1-103030-L0 PE800-7N

TUB-test chart PE80; 16 step hue circle
Test chart according to DIN 33872, 3D=1, de=0, sRGB*

input: rgb/cmyk -> rgb/cmyk
output: no change

Input and Output: Television Luminous System TLS00a

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

$$HIC^*_d$$

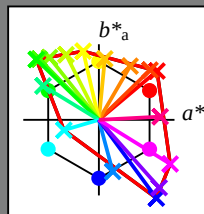
hue text for the colours

of this page:

$$H^*_d = R00Y_d, R25Y_d, \dots, B75R_d$$

TLS00a; adapted (a) CIELAB data

H^*_d	$L^*=L^*_a a^*_a$	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100_d	50.4	76.9	64.5	100.4
R25Y_100_100_d	53.7	67.6	65.8	94.4
R50Y_100_100_d	63.6	41.3	71.0	82.2
R75Y_100_100_d	78.2	7.8	80.6	81.0
Y00G_100_100_d	92.6	-20.7	90.7	93.0
Y25G_100_100_d	88.7	-43.3	86.2	96.5
Y50G_100_100_d	85.7	-65.2	82.4	105.1
Y75G_100_100_d	84.0	-78.7	80.4	112.5
G00B_100_100_d	83.6	-82.7	79.8	115.0
G25B_100_100_d	84.3	-73.7	44.9	86.4
G50B_100_100_d	86.8	-46.1	-13.5	48.1
G75B_100_100_d	51.7	18.3	-68.3	70.7
B00R_100_100_d	30.3	76.0	-103.5	128.5
B25R_100_100_d	38.5	79.8	-89.7	120.0
B50R_100_100_d	57.2	94.3	-58.4	110.9
B75R_100_100_d	52.0	81.1	4.1	81.2



% Gamut

$$u^*_{rel} = 158$$

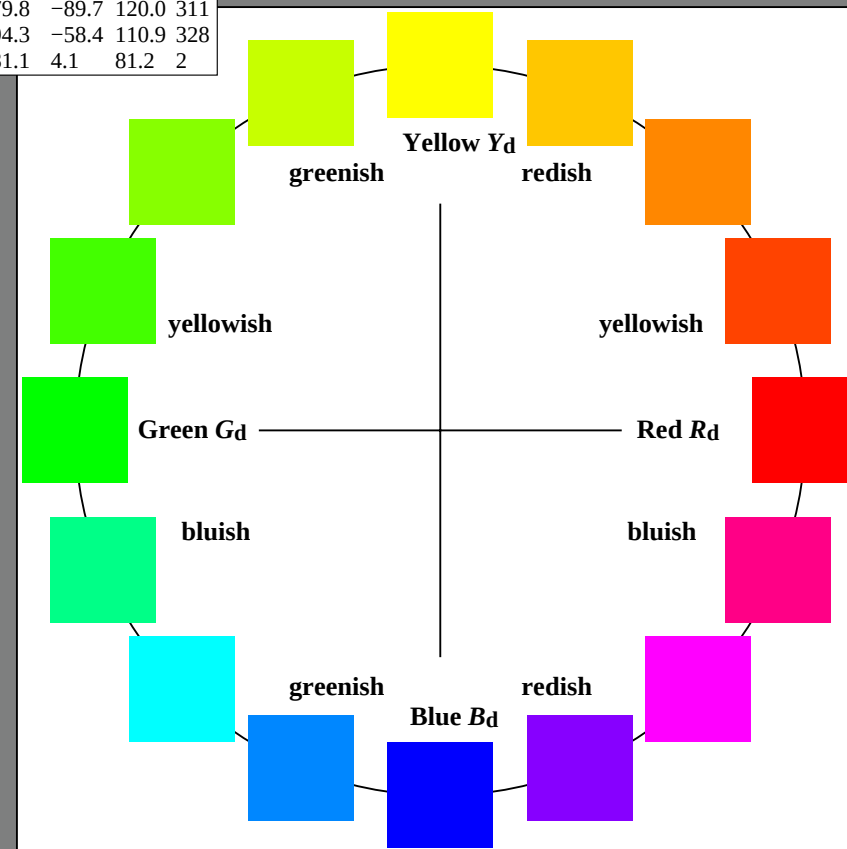
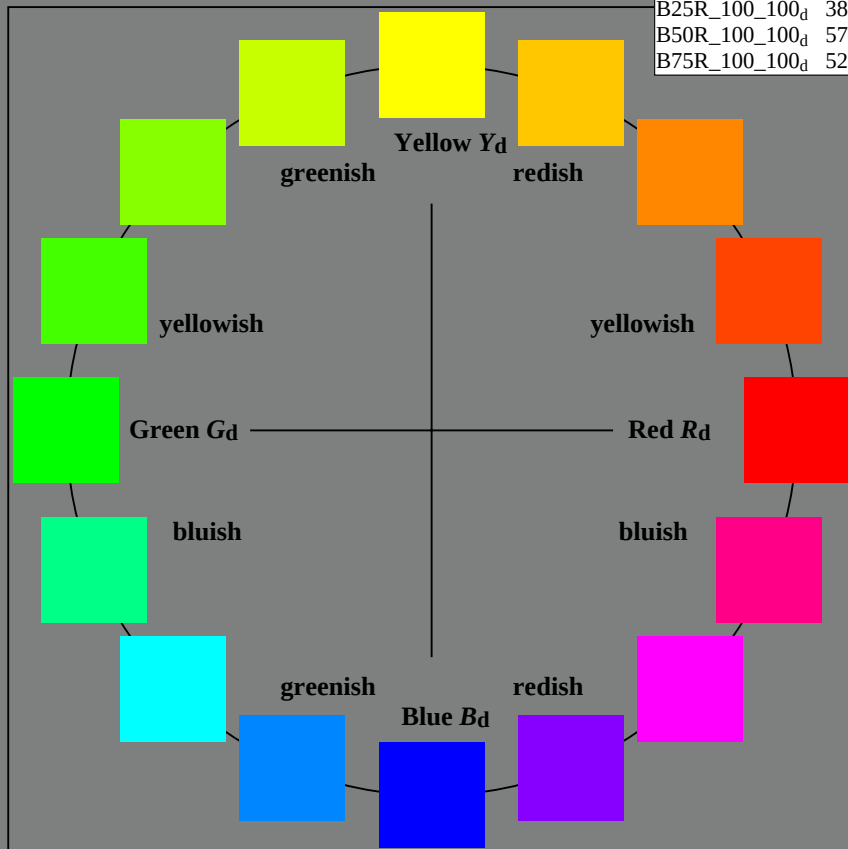
% Regularity

$$g^*_{H,rel} = 19$$

$$g^*_{C,rel} = 37$$

TLS00a; adapted (a) CIELAB data

name	$L^*=L^*_a a^*_a$	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{d,Ma}	50.4	76.9	64.5	100.4
Y _{d,Ma}	92.6	-20.7	90.7	93.0
G _{d,Ma}	83.6	-82.7	79.8	115.0
C _{d,Ma}	86.8	-46.1	-13.5	48.1
B _{d,Ma}	30.3	76.0	-103.5	128.5
M _{d,Ma}	57.2	94.3	-58.4	110.9
N _{d,Ma}	0.0	0.0	0.0	0
W _{d,Ma}	95.4	0.0	0.0	0
R _{d,CIE}	39.9	58.7	27.9	65.0
Y _{d,CIE}	81.2	-2.8	71.5	71.6
G _{d,CIE}	52.2	-42.4	13.6	44.5
B _{d,CIE}	30.5	1.4	-46.4	46.4



1-103130-L0 PE800-72

TUB-test chart PE80; 16 step hue circle
Test chart according to DIN 33872, 3D=1, de=0, sRGB*

input: *rgb/cmyk* -> *rgb_{dd}*

output: 3D-linearization to *rgb_{dd}*

Input and Output: Offset Reflective System ORS18a

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

HIC*-

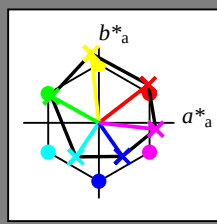
hue text for the colours

of this page:

H*- = R00Y-, R25Y-, ..., B75R-

ORS20a; adapted (a) CIELAB data

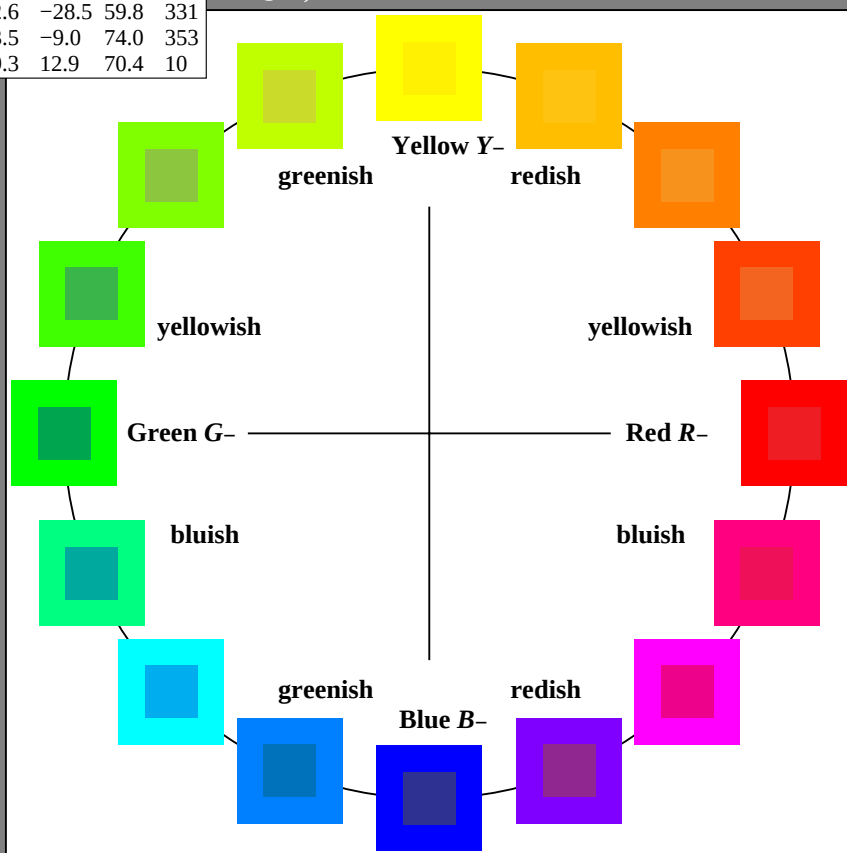
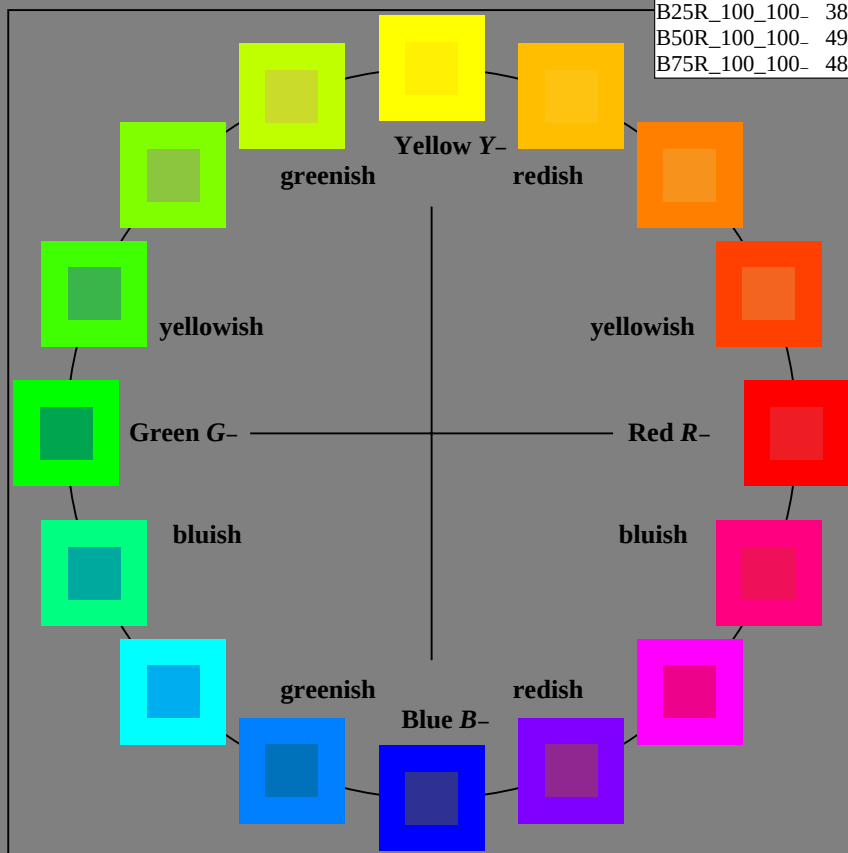
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R00Y_100_100_	48.4	66.1	40.2	77.3
R25Y_100_100_	56.8	48.0	50.5	69.6
R50Y_100_100_	68.6	25.0	63.9	68.6
R75Y_100_100_	80.6	4.8	77.2	77.3
Y00G_100_100_	90.2	-9.6	88.2	88.7
Y25G_100_100_	83.2	-18.4	79.9	81.9
Y50G_100_100_	73.3	-31.7	62.7	70.2
Y75G_100_100_	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



% Gamut
u*_{rel} = 92
% Regularity
g*_{H,rel} = 57
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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	0.0
W-,Ma	95.4	0.0	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



1-113030-L0 PE800-7N

TUB-test chart PE80; 16 step hue circle
Test chart according to DIN 33872, 3D=1, de=1, sRGB*

input: rgb/cmyk -> rgb/cmyk
output: no change

Input and Output: Television Luminous System TLS00a

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

HIC_e

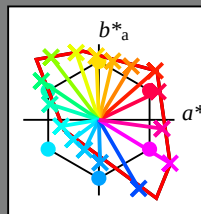
hue text for the colours

of this page:

$H_e^* = R00Y_e, R25Y_e, \dots, B75R_e$

TLS00a; adapted (a) CIELAB data

H_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
R00Y_100_100_e	50.9	78.3	37.3	86.7	25
R25Y_100_100_e	51.3	74.4	64.8	98.7	41
R50Y_100_100_e	63.1	42.7	70.8	82.7	58
R75Y_100_100_e	73.5	18.3	77.7	79.8	76
Y00G_100_100_e	83.7	-3.4	84.5	84.5	92
Y25G_100_100_e	91.0	-29.9	88.9	93.8	108
Y50G_100_100_e	85.9	-63.0	82.8	104.1	127
Y75G_100_100_e	84.1	-76.0	51.4	91.8	145
G00B_100_100_e	85.1	-64.6	20.7	67.9	162
G25B_100_100_e	86.5	-49.9	-8.4	50.6	189
G50B_100_100_e	79.0	-34.2	-25.7	42.8	216
G75B_100_100_e	70.0	-19.0	-39.6	43.9	244
B00R_100_100_e	59.2	1.7	-56.6	56.6	271
B25R_100_100_e	38.2	52.7	-90.7	104.9	300
B50R_100_100_e	57.1	94.1	-57.4	110.3	328
B75R_100_100_e	52.9	83.6	-11.6	84.4	352



% Gamut

$u^*_{rel} = 158$

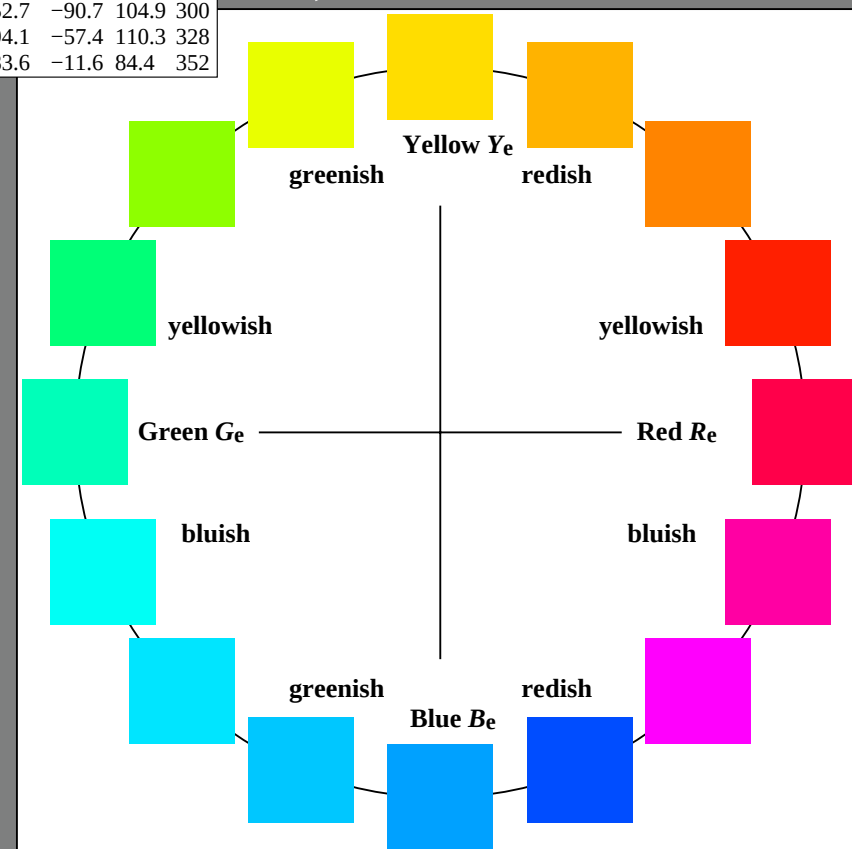
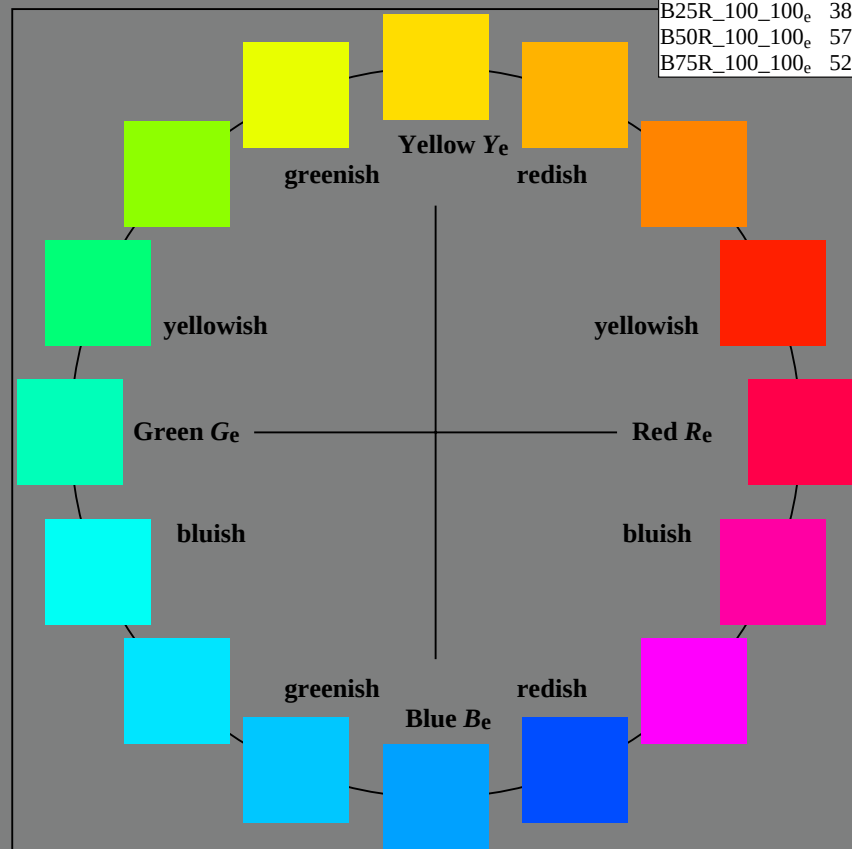
% Regularity

$g^*_{H,rel} = 19$

$g^*_{C,rel} = 37$

TLS00a; adapted (a) CIELAB data

name	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
R _e ,Ma	50.9	78.3	37.3	86.7	25
Y _e ,Ma	83.7	-3.4	84.5	84.5	92
G _e ,Ma	85.1	-64.6	20.7	67.9	162
C _e ,Ma	79.0	-34.2	-25.7	42.8	216
B _e ,Ma	59.2	1.7	-56.6	56.6	271
M _e ,Ma	57.1	94.1	-57.4	110.3	328
N _e ,Ma	0.0	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



1-113130-L0 PE800-73

TUB-test chart PE80; 16 step hue circle
Test chart according to DIN 33872, 3D=1, de=1, sRGB*

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