

Input and Output: Television Luminous System sRGB (TLS00a)

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

HIC^*

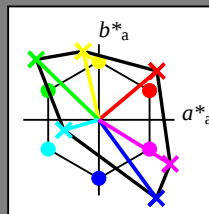
hue text for the colours

of this page:

$H^*_e = R00Y-, R25Y-, ..., B75R-$

ORS20a; adapted (a) CIELAB data

H^*_e	$L^*=L^*_a a^*_a$	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

$u^*_{rel} = 158$

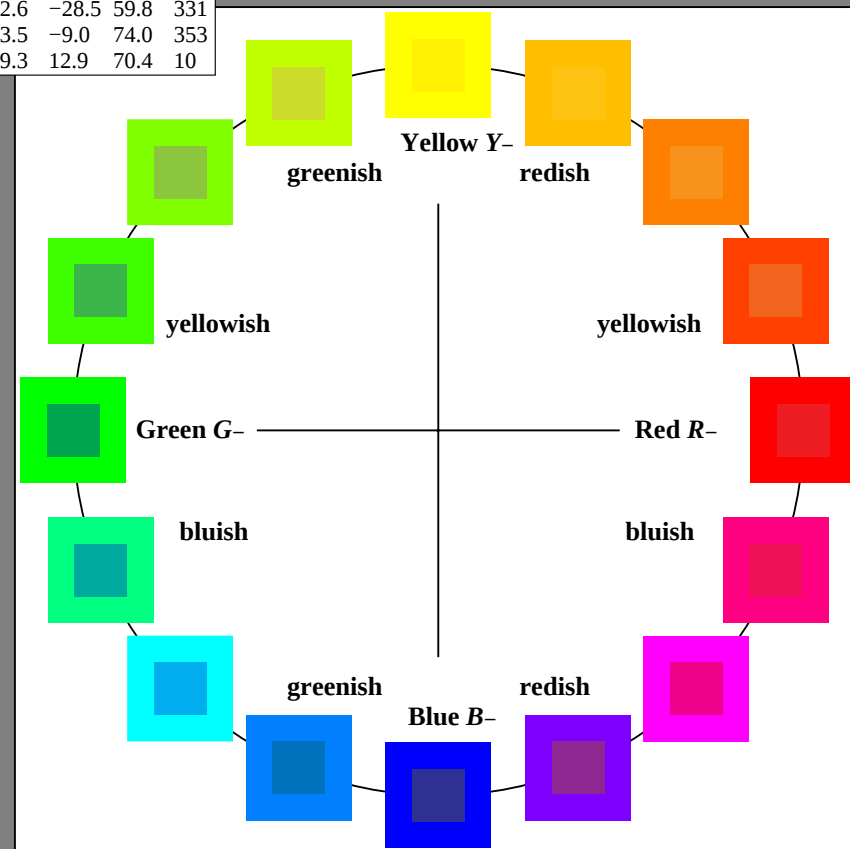
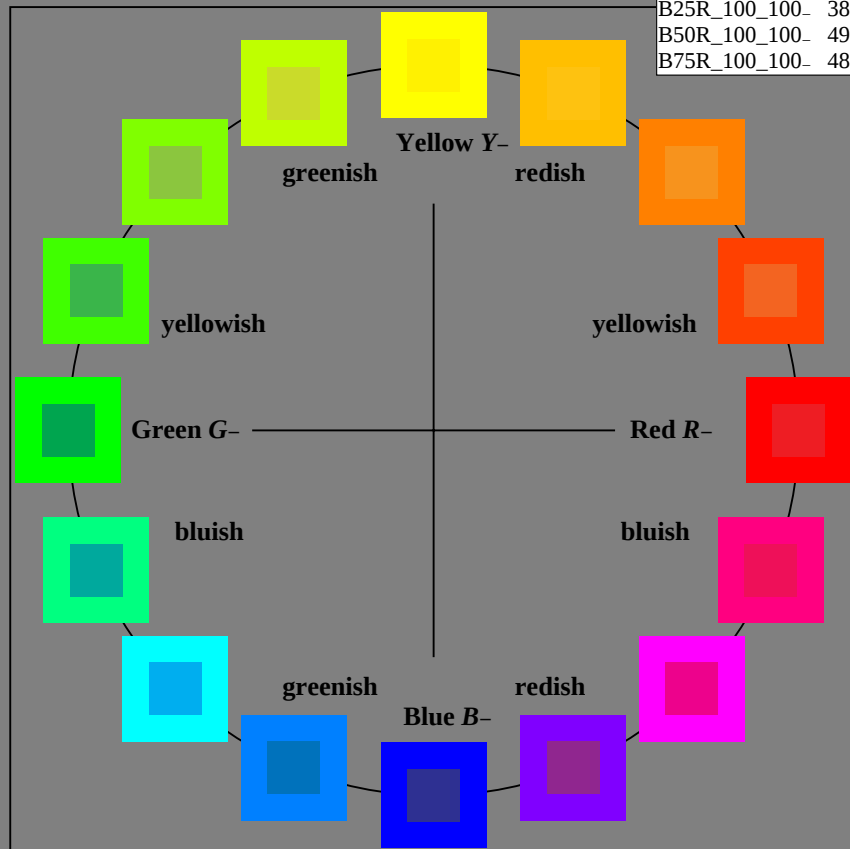
% Regularity

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

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

sRGB (TLS00a); adapted (a) CIELAB data

name	$L^*=L^*_a a^*_a$	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R-,Ma	50.5	76.9	64.5	100.4
Y-,Ma	92.6	-20.7	90.7	93.0
G-,Ma	83.6	-82.7	79.9	115.0
C-,Ma	86.8	-46.1	-13.5	48.1
B-,Ma	30.3	76.0	-103.6	128.5
M-,Ma	57.3	94.3	-58.4	110.9
N-,Ma	0.0	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



RE880-7N_RGB 1-103034-L0

TUB-test chart RE88; 16 step hue circle, $cf=1$
Test chart according to DIN 33872

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

Input and Output: Television Luminous System sRGB (TLS00a)

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

$$HIC^*_d$$

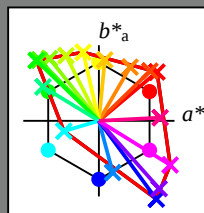
hue text for the colours

of this page:

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

sRGB (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	40
R25Y_100_100_d	53.7	67.6	65.8	94.4	44
R50Y_100_100_d	63.6	41.3	71.0	82.2	59
R75Y_100_100_d	78.2	7.8	80.6	81.0	84
Y00G_100_100_d	92.6	-20.7	90.7	93.0	102
Y25G_100_100_d	88.7	-43.3	86.2	96.5	116
Y50G_100_100_d	85.7	-65.2	82.4	105.1	128
Y75G_100_100_d	84.0	-78.7	80.4	112.5	134
G00B_100_100_d	83.6	-82.7	79.8	115.0	136
G25B_100_100_d	84.3	-73.7	44.9	86.4	148
G50B_100_100_d	86.8	-46.1	-13.5	48.1	196
G75B_100_100_d	51.7	18.3	-68.3	70.7	285
B00R_100_100_d	30.3	76.0	-103.5	128.5	306
B25R_100_100_d	38.5	79.8	-89.7	120.0	311
B50R_100_100_d	57.2	94.3	-58.4	110.9	328
B75R_100_100_d	52.0	81.1	4.1	81.2	2



% Gamut

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

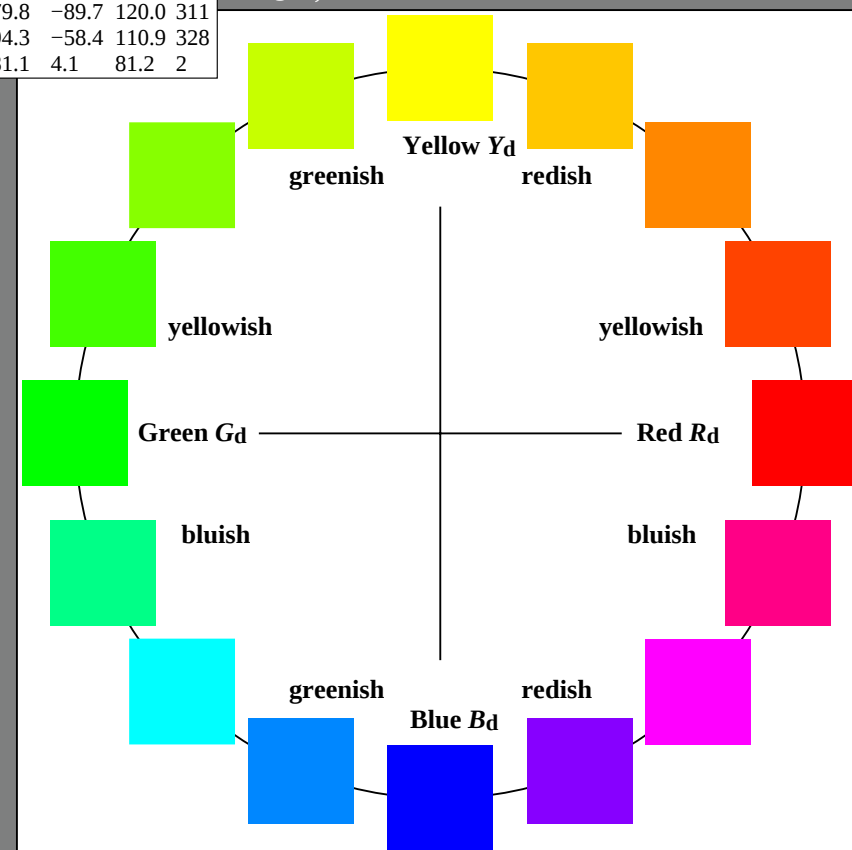
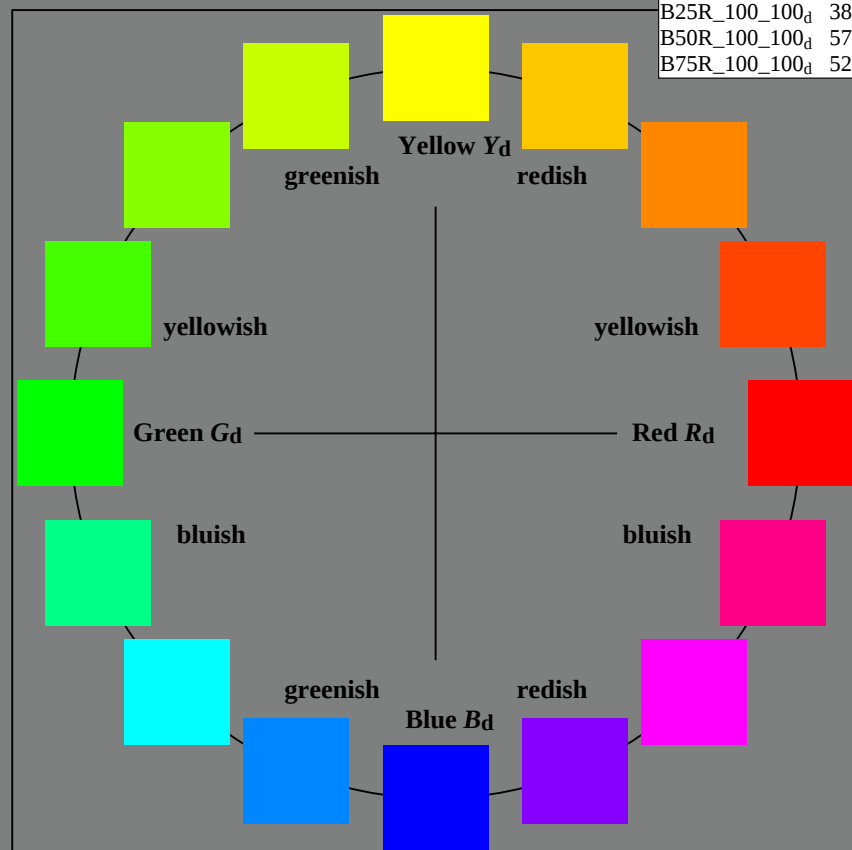
% Regularity

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

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

sRGB (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	40
Y _{d, Ma}	92.6	-20.7	90.7	93.0	102
G _{d, Ma}	83.6	-82.7	79.8	115.0	136
C _{d, Ma}	86.8	-46.1	-13.5	48.1	196
B _{d, Ma}	30.3	76.0	-103.5	128.5	306
M _{d, Ma}	57.2	94.3	-58.4	110.9	328
N _{d, Ma}	0.0	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



RE880-72

1-103134-L0

TUB-test chart RE88; 16 step hue circle, $cf=1$
Test chart according to DIN 33872, 3D=1, $de=0$, rgb^*

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

Input and Output: Television Luminous System sRGB (TLS00a)

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

HIC^* -

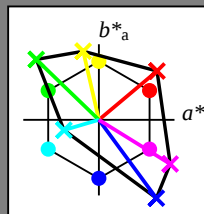
hue text for the colours

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

$u^*_{rel} = 158$

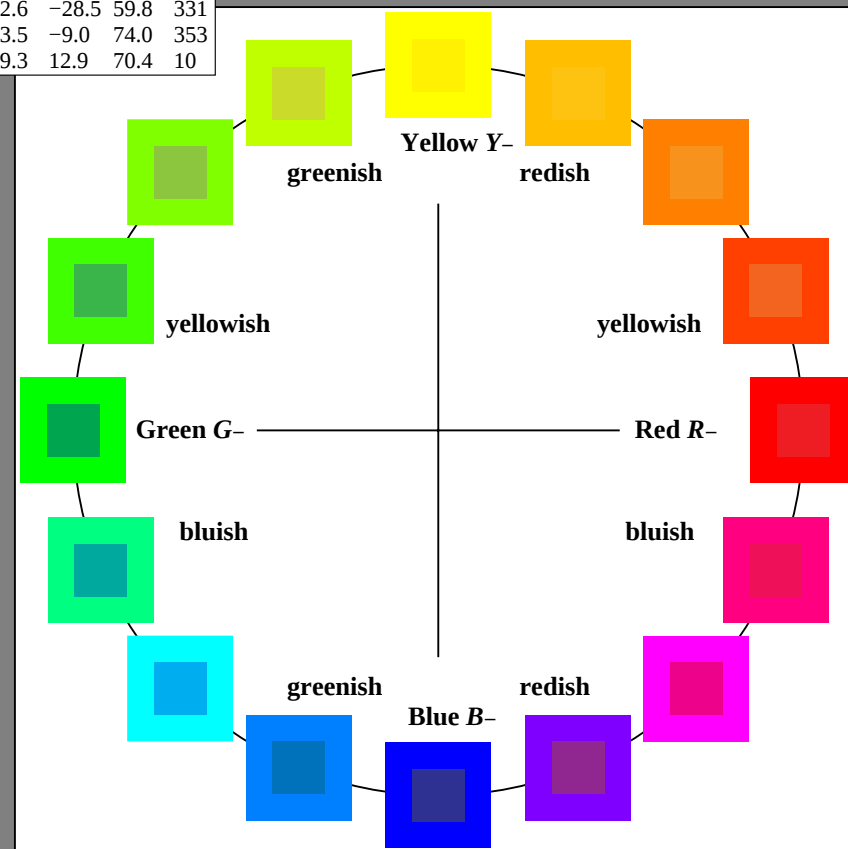
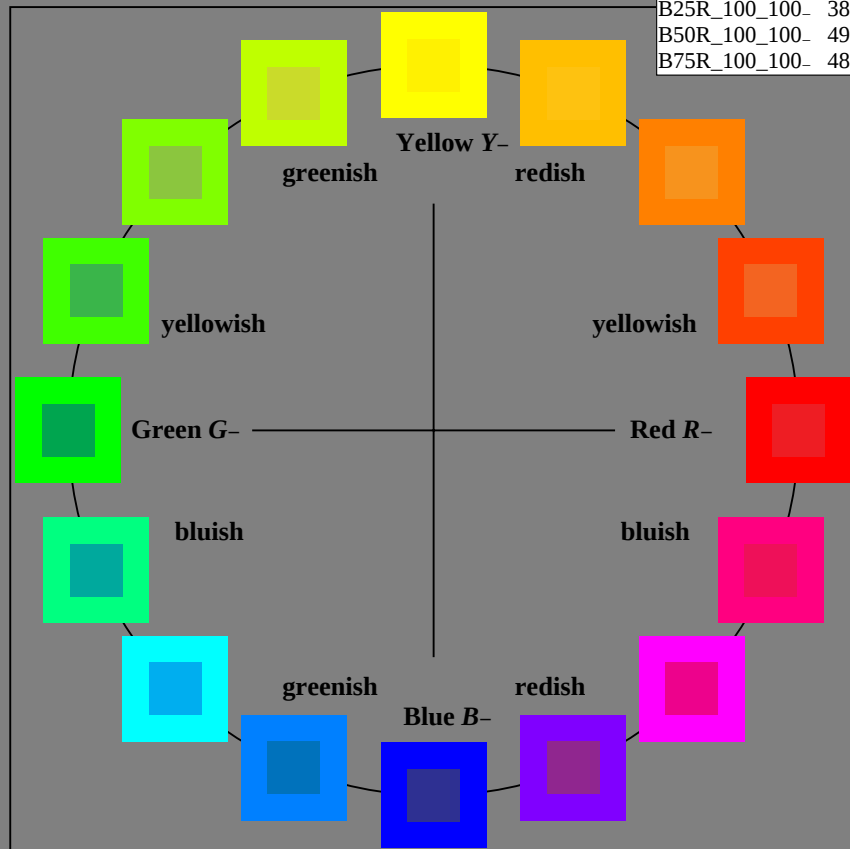
% Regularity

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

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

sRGB (TLS00a); adapted (a) CIELAB data

name	$L^*=L^*_a a^*_a$	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_.,Ma	50.5	76.9	64.5	100.4
Y_.,Ma	92.6	-20.7	90.7	93.0
G_.,Ma	83.6	-82.7	79.9	115.0
C_.,Ma	86.8	-46.1	-13.5	48.1
B_.,Ma	30.3	76.0	-103.6	128.5
M_.,Ma	57.3	94.3	-58.4	110.9
N_.,Ma	0.0	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



RE880-7N_RGB 1-113034-L0

TUB-test chart RE88; 16 step hue circle, $cf=1$
Test chart according to DIN 33872

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

Input and Output: Television Luminous System sRGB (TLS00a)

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

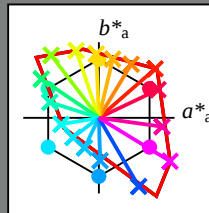
$$HIC_e^*$$

hue text for the colours of this page:

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

sRGB (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
R25Y_100_100_e	51.3	74.4	64.8	98.7
R50Y_100_100_e	63.1	42.7	70.8	82.7
R75Y_100_100_e	73.5	18.3	77.7	79.8
Y00G_100_100_e	83.7	-3.4	84.5	84.5
Y25G_100_100_e	91.0	-29.9	88.9	93.8
Y50G_100_100_e	85.9	-63.0	82.8	104.1
Y75G_100_100_e	84.1	-76.0	51.4	91.8
G00B_100_100_e	85.1	-64.6	20.7	67.9
G25B_100_100_e	86.5	-49.9	-8.4	50.6
G50B_100_100_e	79.0	-34.2	-25.7	42.8
G75B_100_100_e	70.0	-19.0	-39.6	43.9
B00R_100_100_e	59.2	1.7	-56.6	56.6
B25R_100_100_e	38.2	52.7	-90.7	104.9
B50R_100_100_e	57.1	94.1	-57.4	110.3
B75R_100_100_e	52.9	83.6	-11.6	84.4



% Gamut

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

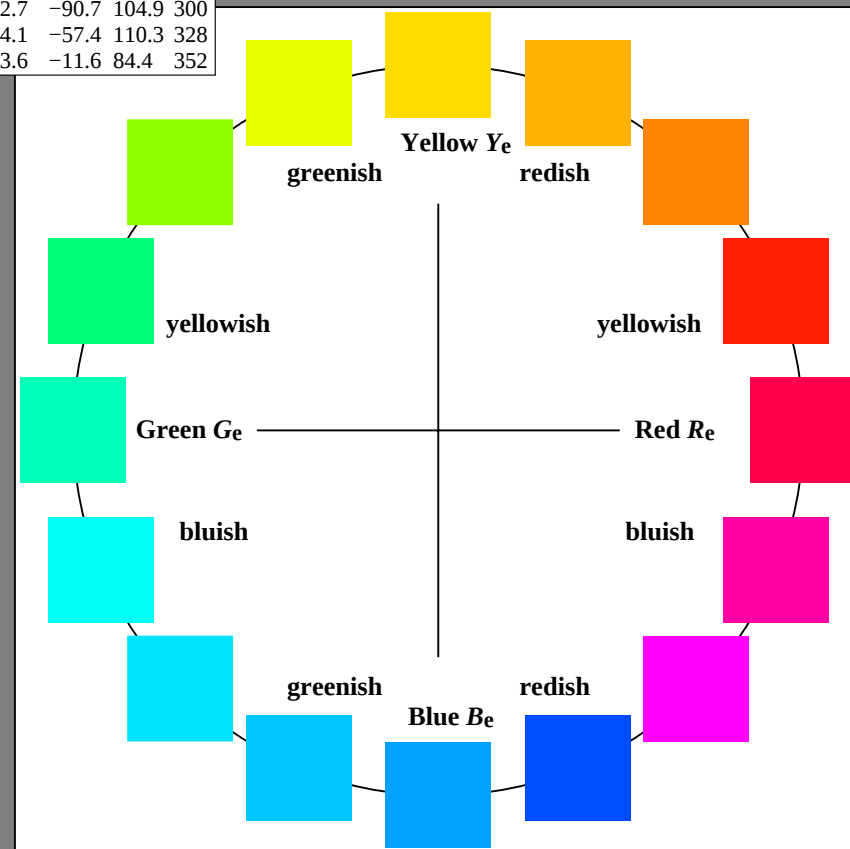
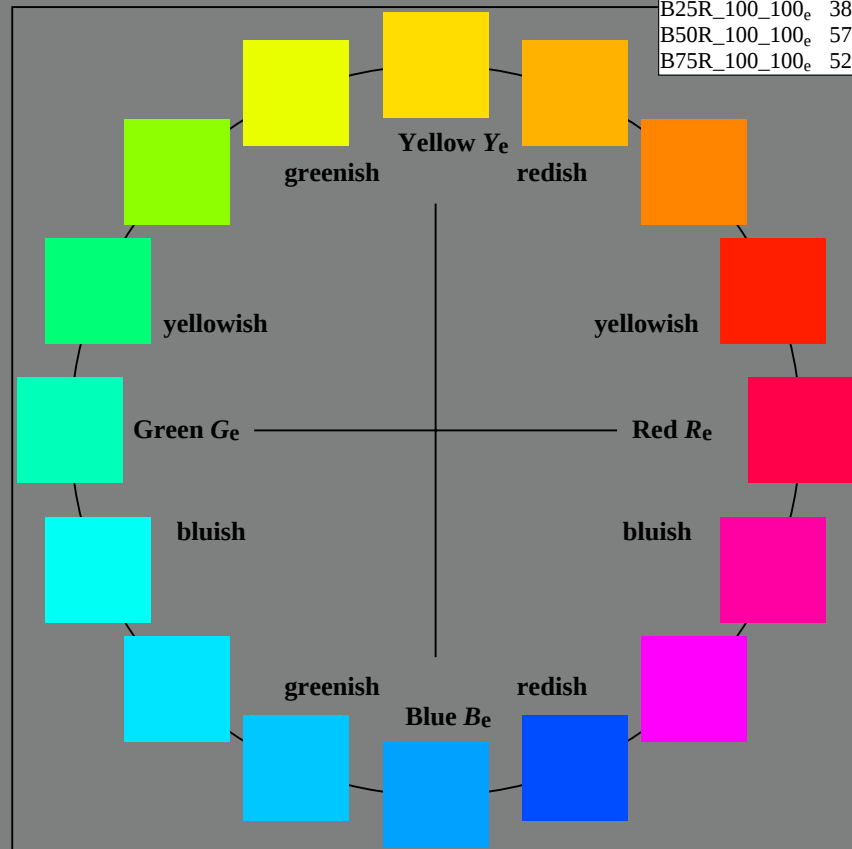
% Regularity

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

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

sRGB (TLS00a); adapted (a) CIELAB data

name	$L^*=L_a^*a_a^*$	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
Re,Ma	50.9	78.3	37.3	86.7
Ye,Ma	83.7	-3.4	84.5	84.5
Ge,Ma	85.1	-64.6	20.7	67.9
Ce,Ma	79.0	-34.2	-25.7	42.8
Be,Ma	59.2	1.7	-56.6	56.6
Me,Ma	57.1	94.1	-57.4	110.3
Ne,Ma	0.0	0.0	0.0	0.0
We,Ma	95.4	0.0	0.0	0.0
Re,CIE	39.9	58.7	27.9	65.0
Ye,CIE	81.2	-2.8	71.5	71.6
Ge,CIE	52.2	-42.4	13.6	44.5
Be,CIE	30.5	1.4	-46.4	46.4



RE880-73

1-113134-L0

TUB-test chart RE88; 16 step hue circle, $cf=1$
Test chart according to DIN 33872, 3D=1, $de=1$, rgb^*

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