

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab \cdot h = 40/360 = 0.111$

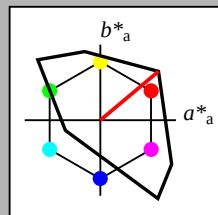
$lab \cdot tch$ and $lab \cdot nch$

D65: hue O

LCH*Ma: 51 100 40

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

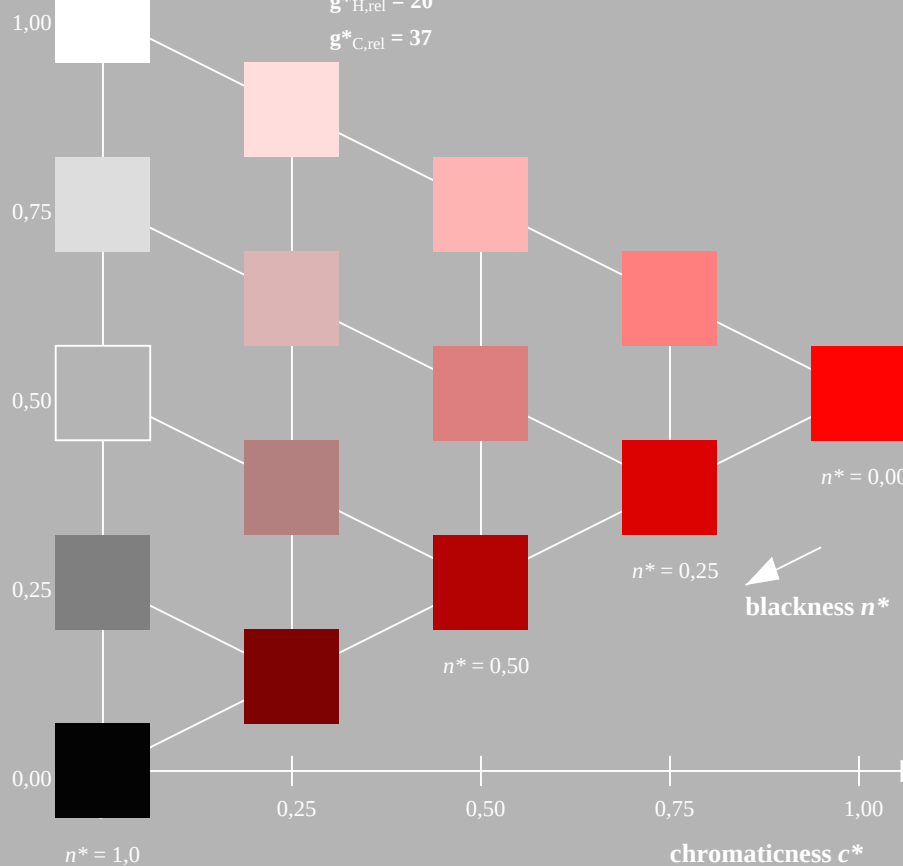
% Regularity

$g^*_{H,rel} = 20$

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

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_m	50.5	76.92	64.55	100.42	40
Y_m	92.66	-20.69	90.75	93.08	103
L_m	83.63	-82.75	79.9	115.04	136
C_m	86.88	-46.16	-13.55	48.12	196
V_m	30.39	76.06	-103.59	128.52	306
M_m	57.3	94.35	-58.41	110.97	328
N_m	0.01	0.0	0.0	0.0	0
W_m	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	-2.88	71.56	71.62	92
G_{CIE}	52.23	-42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	-46.46	46.49	272



NE250-7, 5 step scales for constant CIELAB hue 40/360 = 0.111 (left)

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab \cdot h = 38/360 = 0.105$

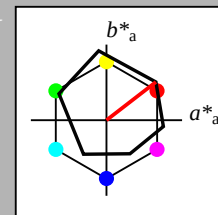
$LAB \cdot LCH$, $LAB \cdot NCH$

D65: hue O

LCH*Ma: 48 83 38

olv*Ma: 1.0 0.0 0.0

CIELAB lightness L^*



% Gamut

$u^*_{rel} = 93$

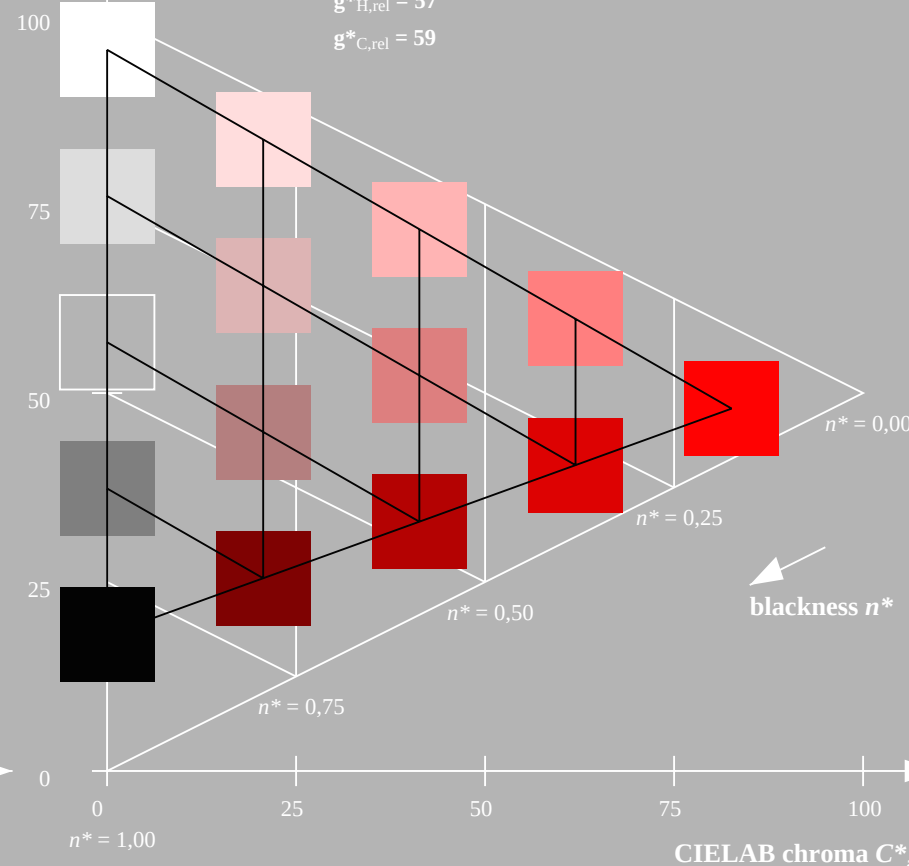
% Regularity

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

$g^*_{C,rel} = 59$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_m	47.94	65.39	50.52	82.63	38
Y_m	90.37	-10.26	91.75	92.32	96
L_m	50.9	-62.83	34.96	71.91	151
C_m	58.62	-30.34	-45.01	54.3	236
V_m	25.72	31.1	-44.4	54.22	305
M_m	48.13	75.28	-8.36	75.74	354
N_m	18.01	0.0	0.0	0.0	0
W_m	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.57	25
J_{CIE}	81.26	-2.16	67.76	67.79	92
G_{CIE}	52.23	-42.25	11.76	43.87	164
B_{CIE}	30.57	1.15	-46.84	46.86	271



5 step scales for constant CIELAB hue 38/360 = 0.105 (right)

BAM-test chart NE25; Colorimetric systems TLS00 & ORS18

D65: Coordinate systems of 5 step colour scales for 10 hues

input: $olv \cdot setrgbcolor$

output: $olv \cdot setrgbcolor / w \cdot setgray$

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab \cdot h = 103/360 = 0.286$

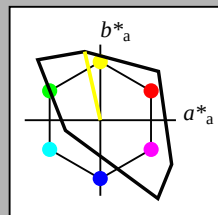
$lab \cdot tch$ and $lab \cdot nch$

D65: hue Y

LCH*Ma: 93 93 103

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

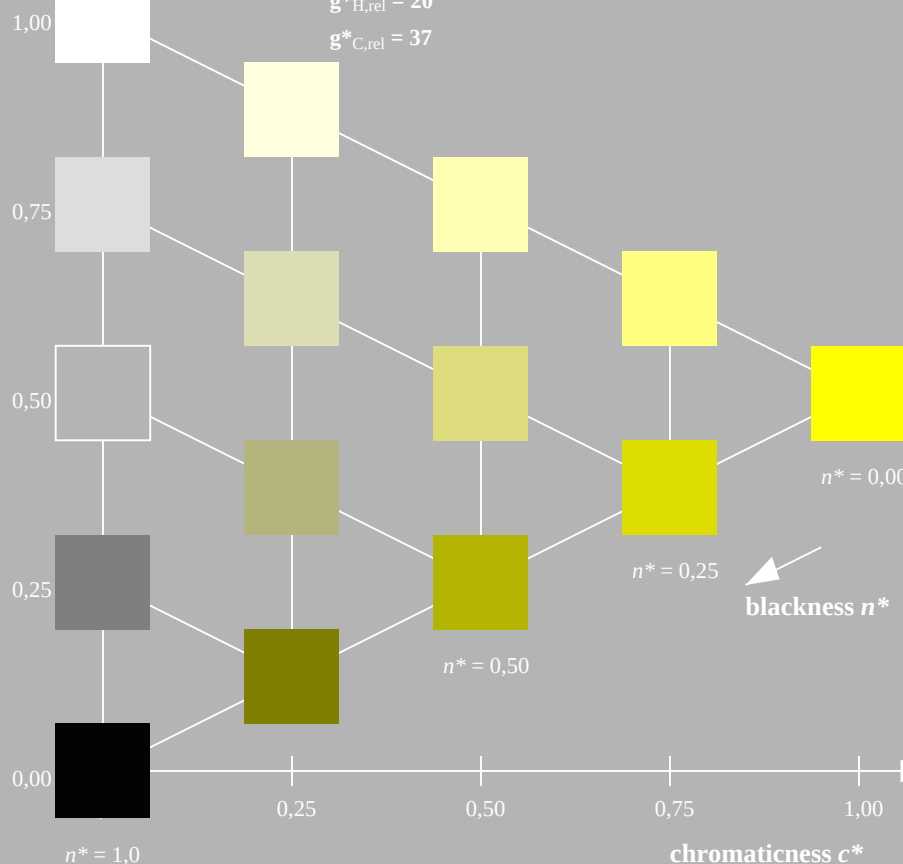
% Regularity

$g^*_{H,rel} = 20$

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

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_m	50.5	76.92	64.55	100.42	40
Y_m	92.66	-20.69	90.75	93.08	103
L_m	83.63	-82.75	79.9	115.04	136
C_m	86.88	-46.16	-13.55	48.12	196
V_m	30.39	76.06	-103.59	128.52	306
M_m	57.3	94.35	-58.41	110.97	328
N_m	0.01	0.0	0.0	0.0	0
W_m	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	-2.88	71.56	71.62	92
G_{CIE}	52.23	-42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	-46.46	46.49	272



NE250-7, 5 step scales for constant CIELAB hue 103/360 = 0.286 (left)

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab \cdot h = 96/360 = 0.268$

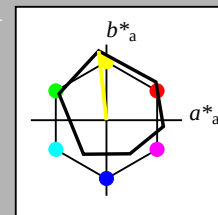
$LAB \cdot LCH$, $LAB \cdot NCH$

D65: hue Y

LCH*Ma: 90 92 96

olv*Ma: 1.0 1.0 0.0

CIELAB lightness L^*



% Gamut

$u^*_{rel} = 93$

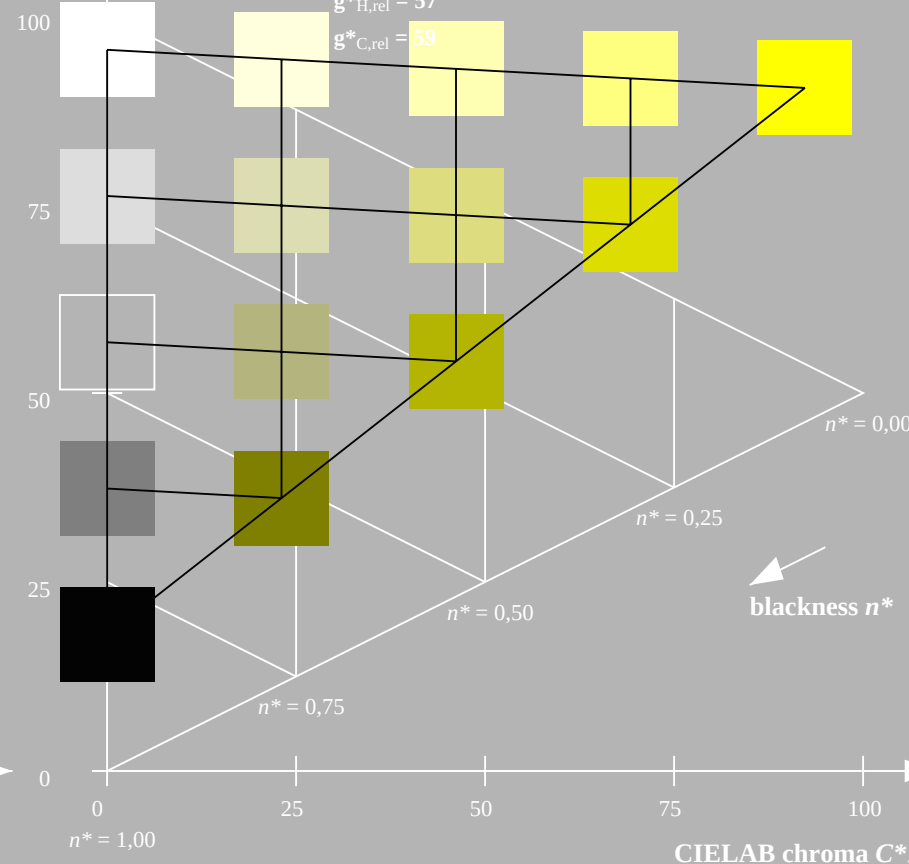
% Regularity

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

$g^*_{C,rel} = 59$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_m	47.94	65.39	50.52	82.63	38
Y_m	90.37	-10.26	91.75	92.32	96
L_m	50.9	-62.83	34.96	71.91	151
C_m	58.62	-30.34	-45.01	54.3	236
V_m	25.72	31.1	-44.4	54.22	305
M_m	48.13	75.28	-8.36	75.74	354
N_m	18.01	0.0	0.0	0.0	0
W_m	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.57	25
J_{CIE}	81.26	-2.16	67.76	67.79	92
G_{CIE}	52.23	-42.25	11.76	43.87	164
B_{CIE}	30.57	1.15	-46.84	46.86	271



5 step scales for constant CIELAB hue 96/360 = 0.268 (right)

BAM-test chart NE25; Colorimetric systems TLS00 & ORS18

D65: Coordinate systems of 5 step colour scales for 10 hues

input: $olv \cdot setrgbcolor$

output: $olv \cdot setrgbcolor / w \cdot setgray$

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab \cdot h = 136/360 = 0.378$

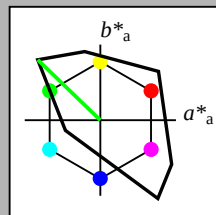
$lab \cdot tch$ and $lab \cdot nch$

D65: hue L

LCH*Ma: 84 115 136

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

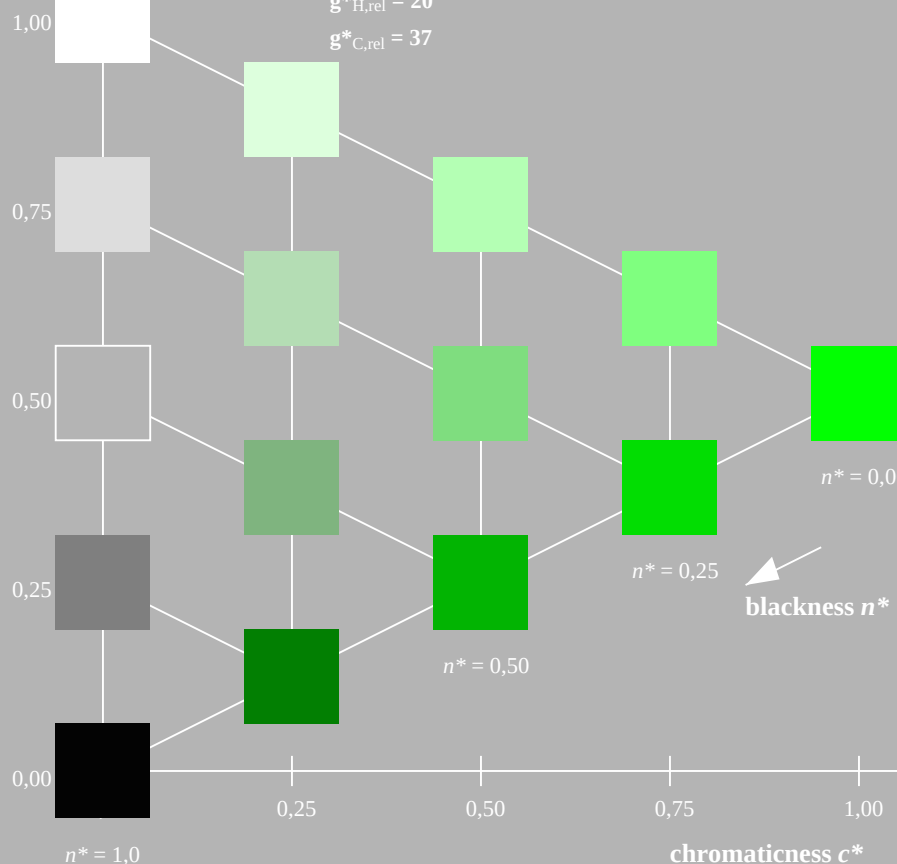
% Regularity

$g^*_{H,rel} = 20$

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

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_m	50.5	76.92	64.55	100.42	40
Y_m	92.66	-20.69	90.75	93.08	103
L_m	83.63	-82.75	79.9	115.04	136
C_m	86.88	-46.16	-13.55	48.12	196
V_m	30.39	76.06	-103.59	128.52	306
M_m	57.3	94.35	-58.41	110.97	328
N_m	0.01	0.0	0.0	0.0	0
W_m	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	-2.88	71.56	71.62	92
G_{CIE}	52.23	-42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	-46.46	46.49	272



NE250-7, 5 step scales for constant CIELAB hue 136/360 = 0.378 (left)

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab \cdot h = 151/360 = 0.419$

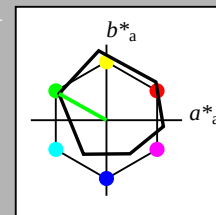
$LAB \cdot LCH$, $LAB \cdot NCH$

D65: hue L

LCH*Ma: 51 72 151

olv*Ma: 0.0 1.0 0.0

CIELAB lightness L^*



% Gamut

$u^*_{rel} = 93$

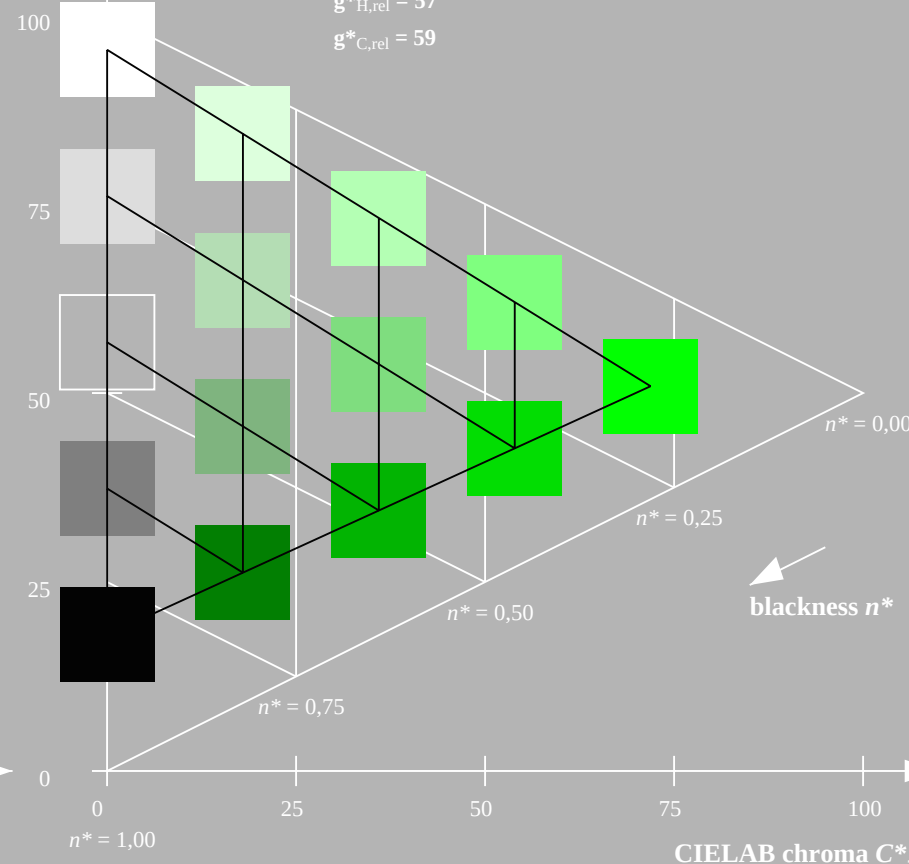
% Regularity

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

$g^*_{C,rel} = 59$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_m	47.94	65.39	50.52	82.63	38
Y_m	90.37	-10.26	91.75	92.32	96
L_m	50.9	-62.83	34.96	71.91	151
C_m	58.62	-30.34	-45.01	54.3	236
V_m	25.72	31.1	-44.4	54.22	305
M_m	48.13	75.28	-8.36	75.74	354
N_m	18.01	0.0	0.0	0.0	0
W_m	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.57	25
J_{CIE}	81.26	-2.16	67.76	67.79	92
G_{CIE}	52.23	-42.25	11.76	43.87	164
B_{CIE}	30.57	1.15	-46.84	46.86	271



5 step scales for constant CIELAB hue 151/360 = 0.419 (right)

BAM-test chart NE25; Colorimetric systems TLS00 & ORS18

D65: Coordinate systems of 5 step colour scales for 10 hues

input: $olv \cdot setrgbcolor$

output: $olv \cdot setrgbcolor / w \cdot setgray$

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab \cdot h = 196/360 = 0.545$

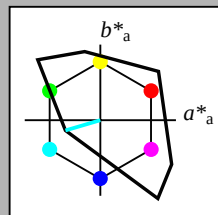
$lab \cdot tch$ and $lab \cdot nch$

D65: hue C

LCH*Ma: 87 48 196

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

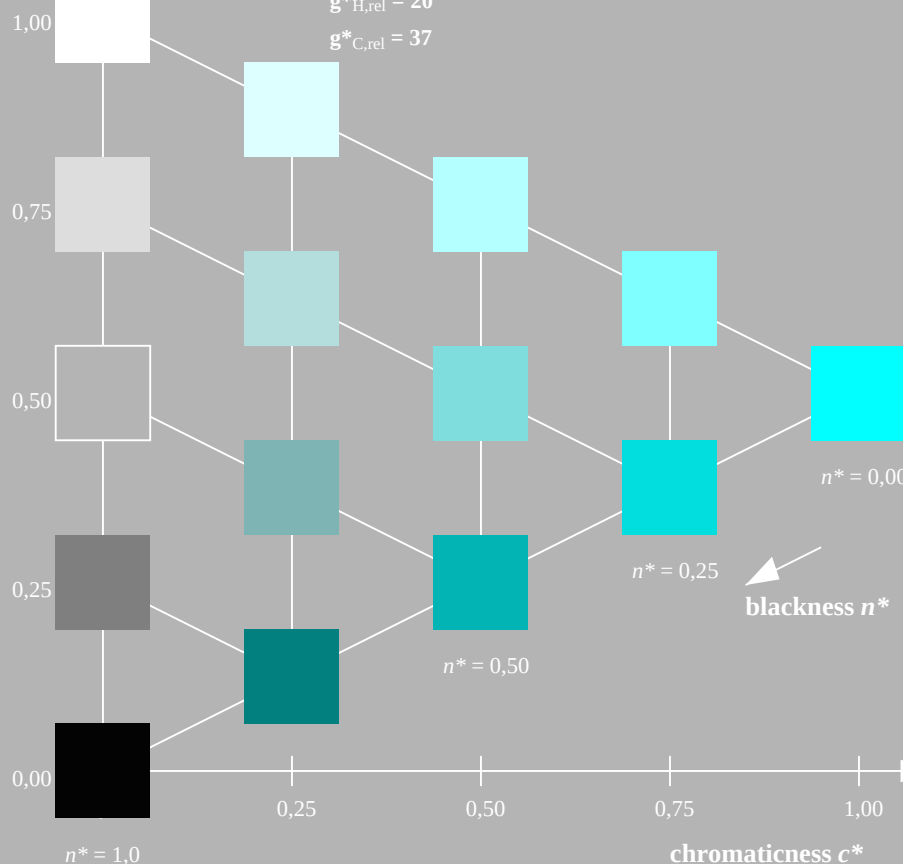
% Regularity

$g^*_{H,rel} = 20$

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

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_m	50.5	76.92	64.55	100.42	40
Y_m	92.66	-20.69	90.75	93.08	103
L_m	83.63	-82.75	79.9	115.04	136
C_m	86.88	-46.16	-13.55	48.12	196
V_m	30.39	76.06	-103.59	128.52	306
M_m	57.3	94.35	-58.41	110.97	328
N_m	0.01	0.0	0.0	0.0	0
W_m	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	-2.88	71.56	71.62	92
G_{CIE}	52.23	-42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	-46.46	46.49	272



NE250-7, 5 step scales for constant CIELAB hue 196/360 = 0.545 (left)

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab \cdot h = 236/360 = 0.656$

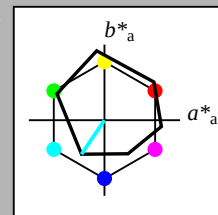
$LAB \cdot LCH$, $LAB \cdot NCH$

D65: hue C

LCH*Ma: 59 54 236

olv*Ma: 0.0 1.0 1.0

CIELAB lightness L^*



% Gamut

$u^*_{rel} = 93$

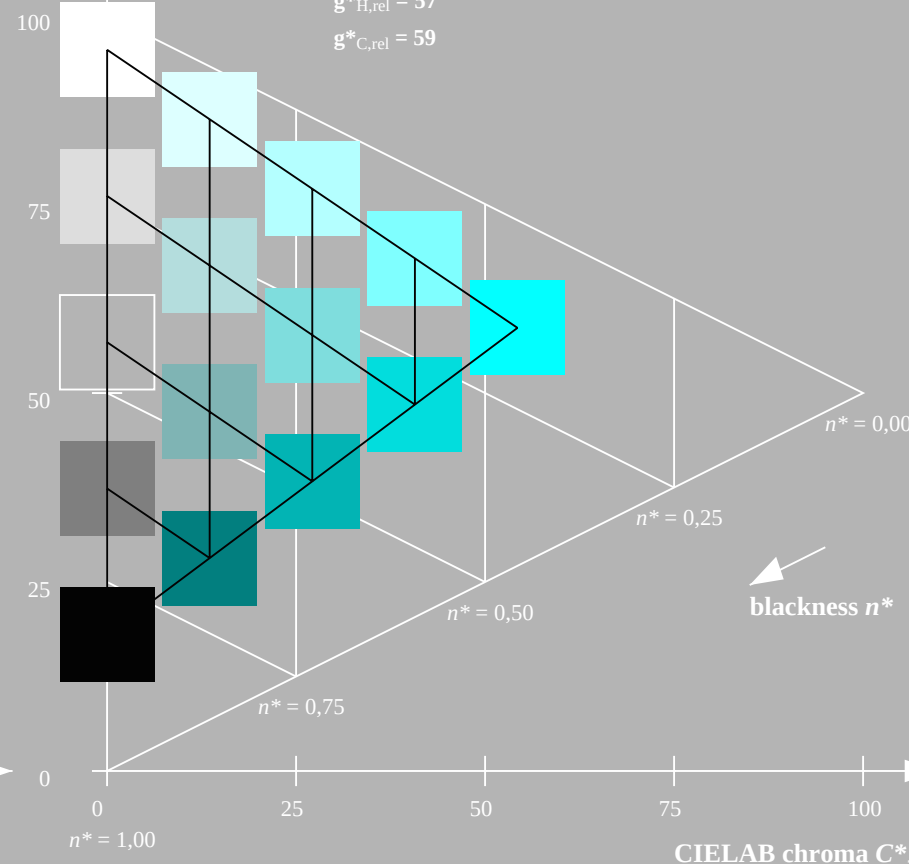
% Regularity

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

$g^*_{C,rel} = 59$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_m	47.94	65.39	50.52	82.63	38
Y_m	90.37	-10.26	91.75	92.32	96
L_m	50.9	-62.83	34.96	71.91	151
C_m	58.62	-30.34	-45.01	54.3	236
V_m	25.72	31.1	-44.4	54.22	305
M_m	48.13	75.28	-8.36	75.74	354
N_m	18.01	0.0	0.0	0.0	0
W_m	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.57	25
J_{CIE}	81.26	-2.16	67.76	67.79	92
G_{CIE}	52.23	-42.25	11.76	43.87	164
B_{CIE}	30.57	1.15	-46.84	46.86	271



5 step scales for constant CIELAB hue 236/360 = 0.656 (right)

BAM-test chart NE25; Colorimetric systems TLS00 & ORS18

D65: Coordinate systems of 5 step colour scales for 10 hues

input: $olv \cdot setrgbcolor$

output: $olv \cdot setrgbcolor / w \cdot setgray$

Input: Colorimetric Television Luminous System TLS00

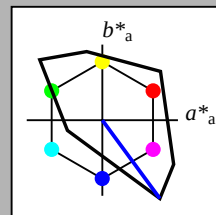
for hue $h^* = lab^*h = 306/360 = 0.851$

*lab*tch* and *lab*nch*

D65: hue V

LCH*Ma: 30 129 306

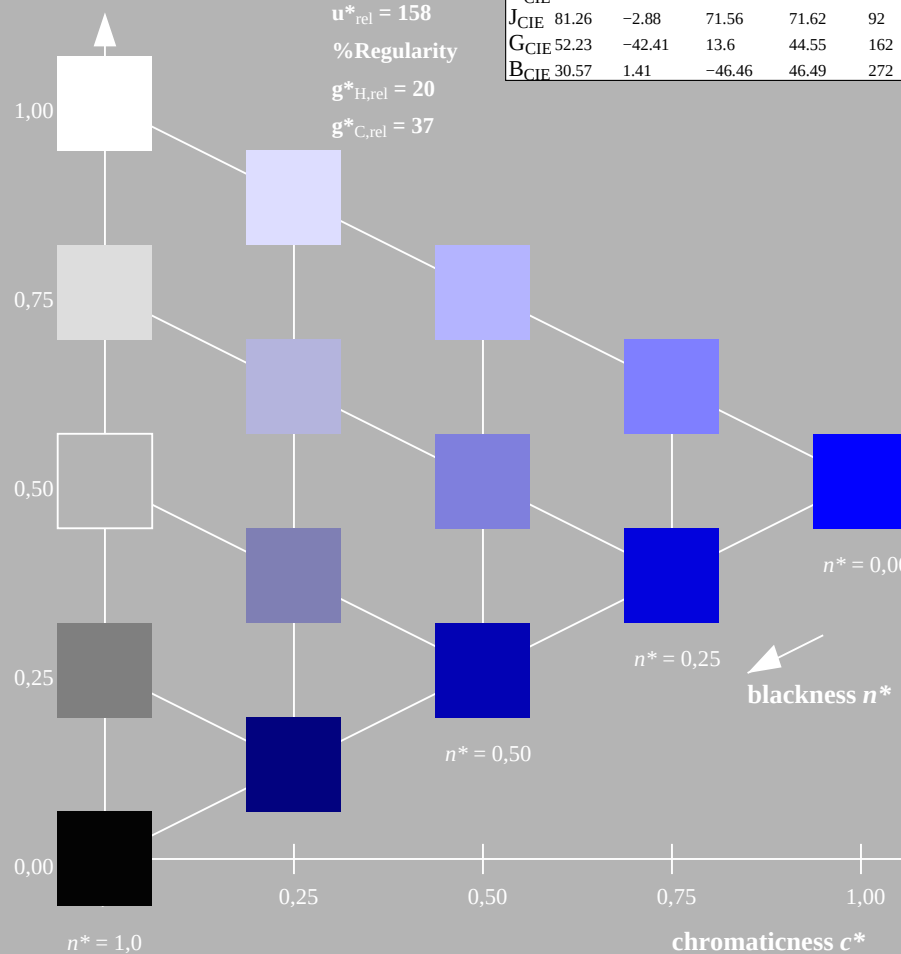
olv*Ma: 0.0 0.0 1.0



triangle lightness t^*

%Gamut

%Regularity



NE250-7, 5 step scales for constant CIELAB hue 306/360 = 0.851 (left)

Output: Colorimetric Offset Reflective System ORS18

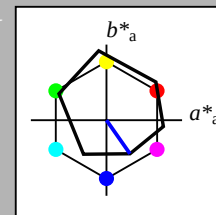
for hue $h^* = lab^*h = 305/360 = 0.847$

*LAB*LCH, LAB*NCH*

D65: hue V

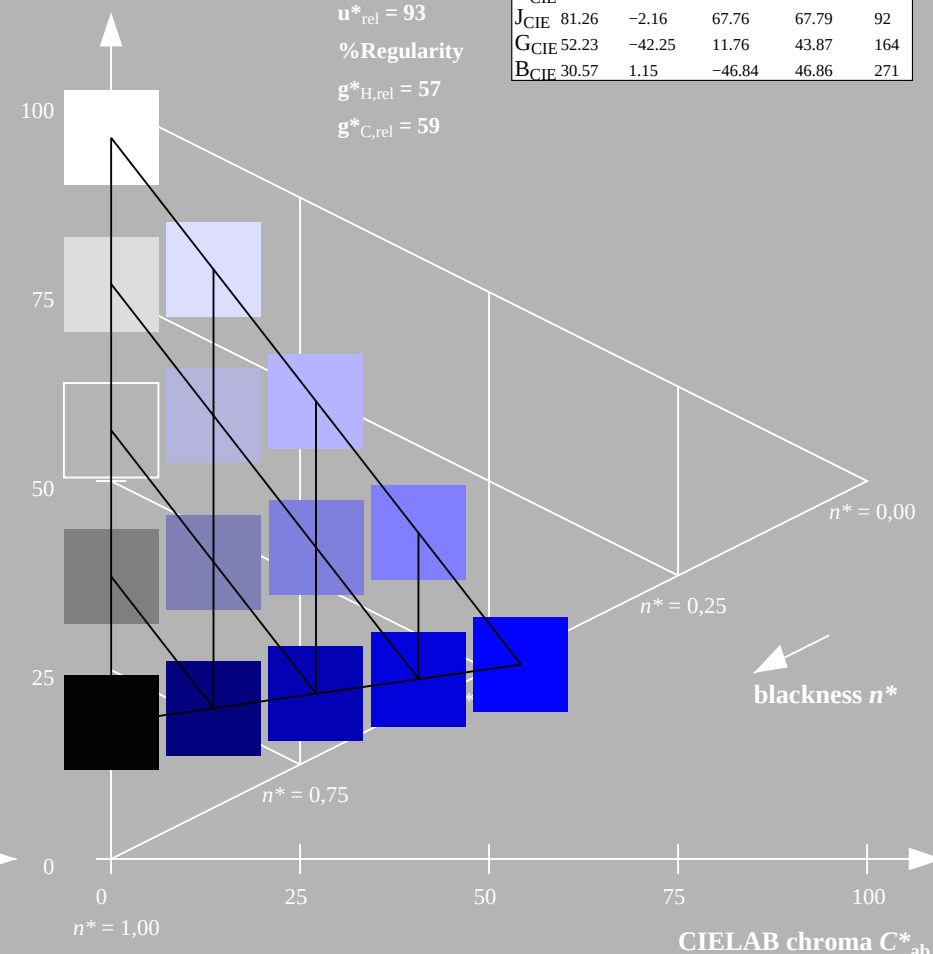
LCH*Ma: 26 54 305

olv*Ma: 0.0 0.0 1.0

CIELAB lightness L^*

%Gamut

%Regularity



5 step scales for constant CIELAB hue 305/360 = 0.847 (right)

BAM-test chart NE25; Colorimetric systems TLS00 & ORS18

D65: Coordinate systems of 5 step colour scales for 10 hues

```
input: olv* setrgbcolor
```

output: *olv** *setrgbcolor* / *w** *setgray*

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab \cdot h = 328/360 = 0.912$

$lab \cdot tch$ and $lab \cdot nch$

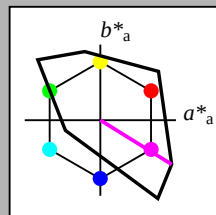
D65: hue M

LCH*Ma: 57 111 328

olv*Ma: 1.0 0.0 1.0

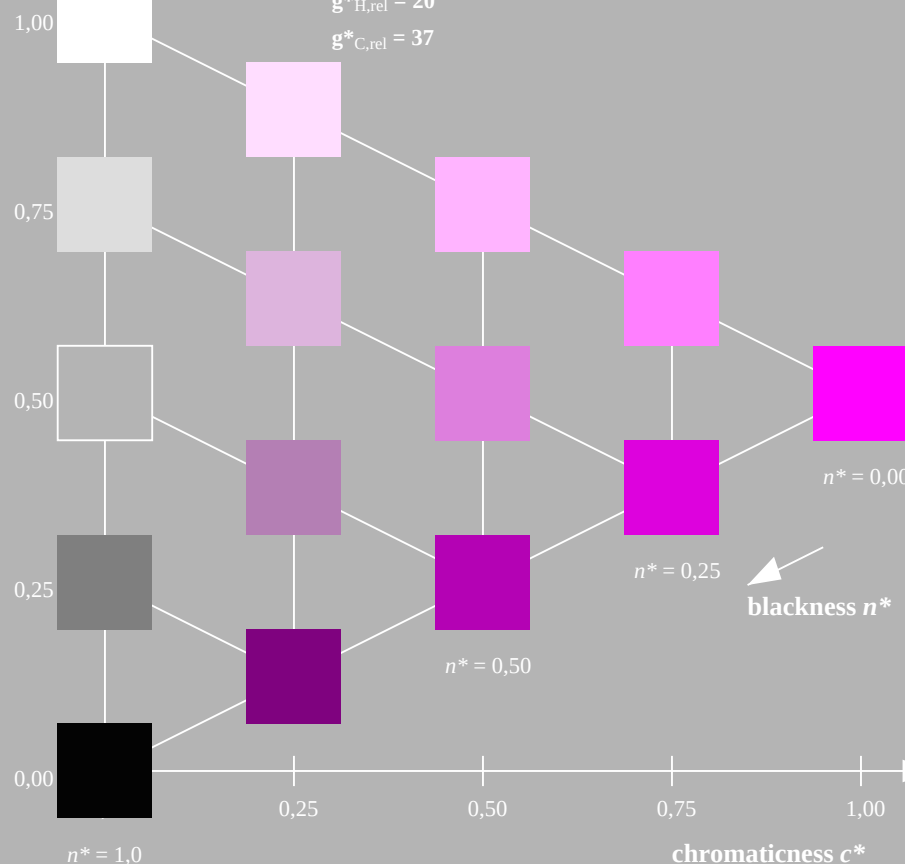
triangle lightness t^*

% Gamut
 $u^*_{rel} = 158$
% Regularity
 $g^*_{H,rel} = 20$
 $g^*_{C,rel} = 37$



TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_m	50.5	76.92	64.55	100.42	40
Y_m	92.66	-20.69	90.75	93.08	103
L_m	83.63	-82.75	79.9	115.04	136
C_m	86.88	-46.16	-13.55	48.12	196
V_m	30.39	76.06	-103.59	128.52	306
M_m	57.3	94.35	-58.41	110.97	328
N_m	0.01	0.0	0.0	0.0	0
W_m	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	-2.88	71.56	71.62	92
G_{CIE}	52.23	-42.41	13.6	44.55	162
B_{CIE}	30.57	1.41	-46.46	46.49	272



NE250-7, 5 step scales for constant CIELAB hue 328/360 = 0.912 (left)

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab \cdot h = 354/360 = 0.982$

$LAB \cdot LCH$, $LAB \cdot NCH$

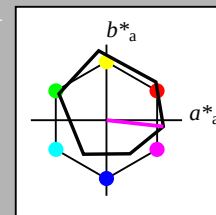
D65: hue M

LCH*Ma: 48 76 354

olv*Ma: 1.0 0.0 1.0

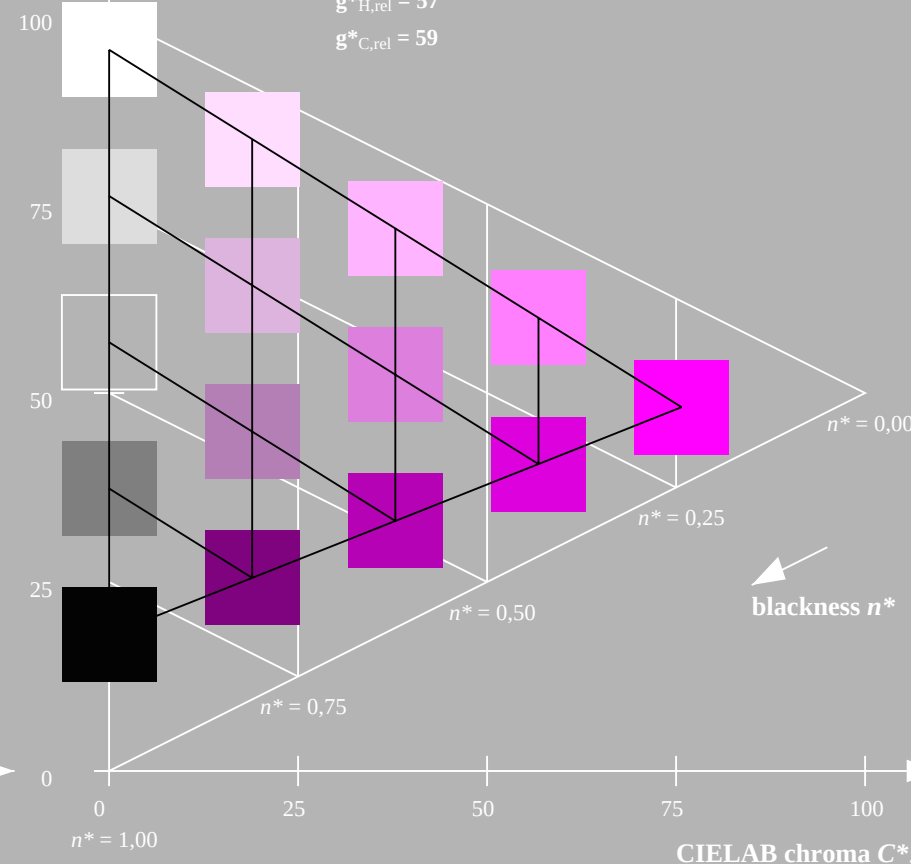
CIELAB lightness L^*

% Gamut
 $u^*_{rel} = 93$
% Regularity
 $g^*_{H,rel} = 57$
 $g^*_{C,rel} = 59$



ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_m	47.94	65.39	50.52	82.63	38
Y_m	90.37	-10.26	91.75	92.32	96
L_m	50.9	-62.83	34.96	71.91	151
C_m	58.62	-30.34	-45.01	54.3	236
V_m	25.72	31.1	-44.4	54.22	305
M_m	48.13	75.28	-8.36	75.74	354
N_m	18.01	0.0	0.0	0.0	0
W_m	95.41	0.0	0.0	0.0	0
R_{CIE}	39.92	58.66	26.98	64.57	25
J_{CIE}	81.26	-2.16	67.76	67.79	92
G_{CIE}	52.23	-42.25	11.76	43.87	164
B_{CIE}	30.57	1.15	-46.84	46.86	271



5 step scales for constant CIELAB hue 354/360 = 0.982 (right)

BAM-test chart NE25; Colorimetric systems TLS00 & ORS18

D65: Coordinate systems of 5 step colour scales for 10 hues

input: $olv \cdot setrgbcolor$

output: $olv \cdot setrgbcolor / w \cdot setgray$

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab \cdot h = 25/360 = 0.071$

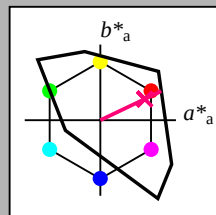
$lab \cdot tch$ and $lab \cdot nch$

D65: hue R

LCH*Ma: 52 89 25

olv*Ma: 1.0 0.0 0.21

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

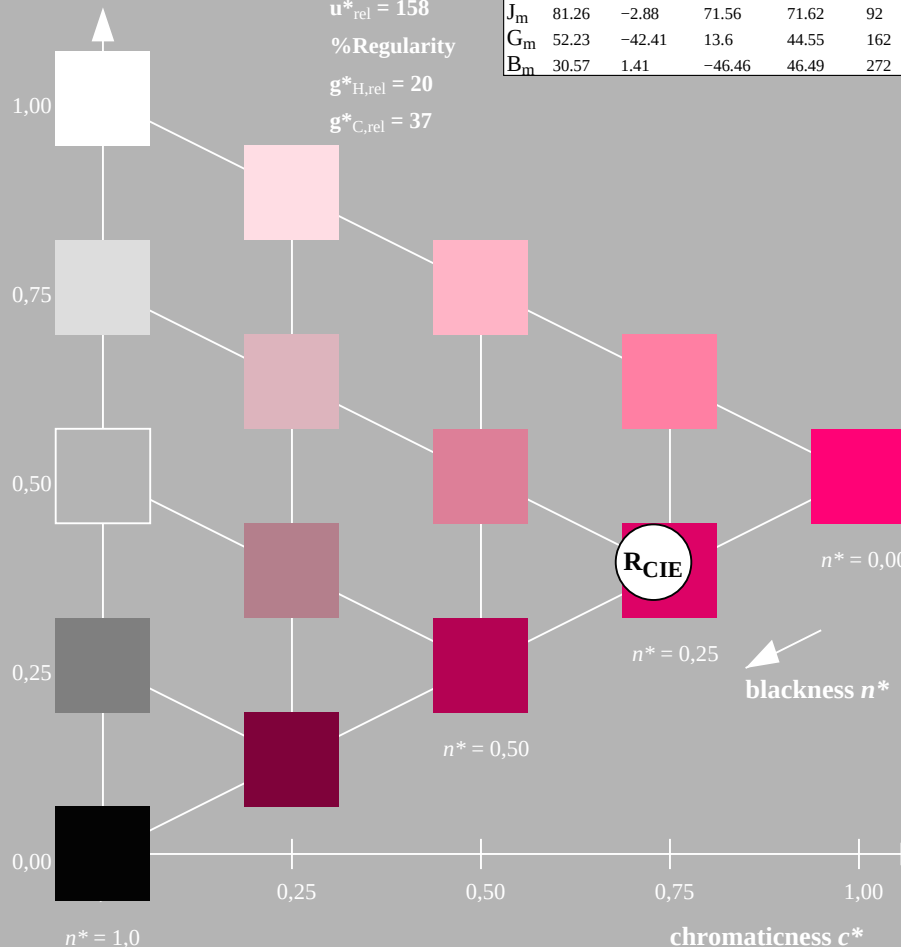
% Regularity

$g^*_{H,rel} = 20$

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

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_m	50.5	76.92	64.55	100.42	40
Y_m	92.66	-20.69	90.75	93.08	103
L_m	83.63	-82.75	79.9	115.04	136
C_m	86.88	-46.16	-13.55	48.12	196
V_m	30.39	76.06	-103.59	128.52	306
M_m	57.3	94.35	-58.41	110.97	328
N_m	0.01	0.0	0.0	0.0	0
W_m	95.41	0.0	0.0	0.0	0
R_m	39.92	58.74	27.99	65.07	25
J_m	81.26	-2.88	71.56	71.62	92
G_m	52.23	-42.41	13.6	44.55	162
B_m	30.57	1.41	-46.46	46.49	272



NE250-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab \cdot h = 25/360 = 0.069$

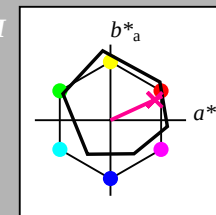
$LAB \cdot LCH$, $LAB \cdot NCH$

D65: hue R

LCH*Ma: 48 75 25

olv*Ma: 1.0 0.0 0.32

CIELAB lightness L^*



% Gamut

$u^*_{rel} = 93$

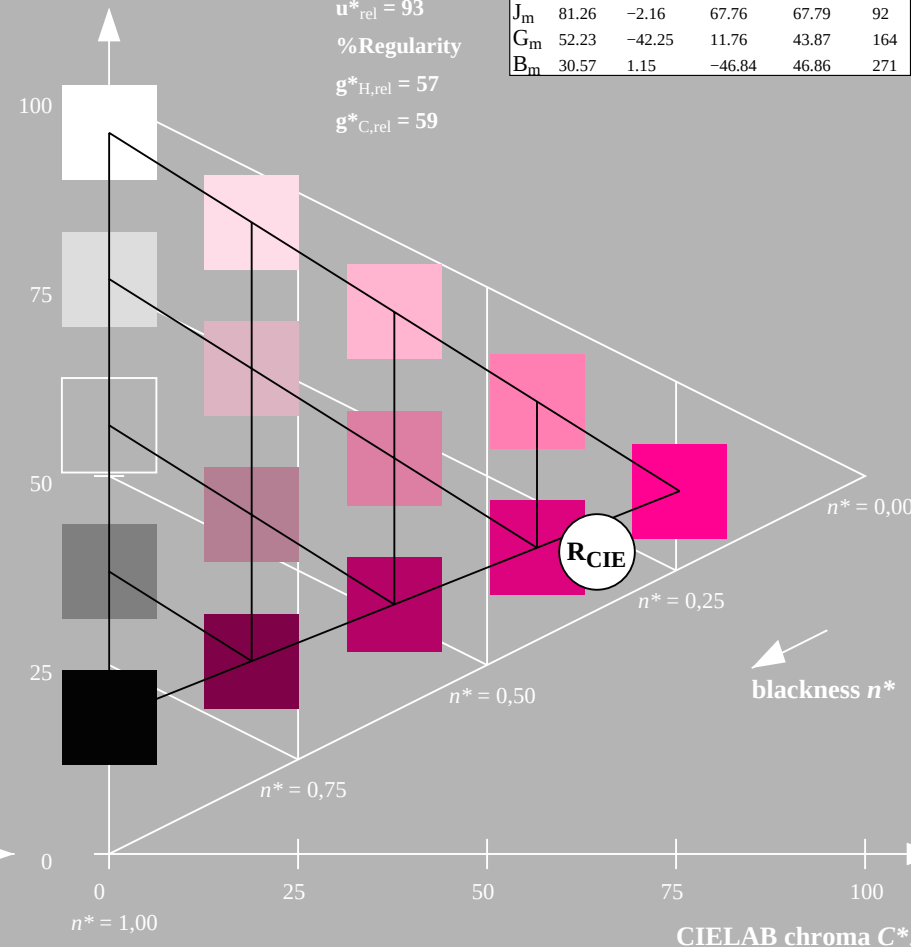
% Regularity

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

$g^*_{C,rel} = 59$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_m	47.94	65.39	50.52	82.63	38
Y_m	90.37	-10.26	91.75	92.32	96
L_m	50.9	-62.83	34.96	71.91	151
C_m	58.62	-30.34	-45.01	54.3	236
V_m	25.72	31.1	-44.4	54.22	305
M_m	48.13	75.28	-8.36	75.74	354
N_m	18.01	0.0	0.0	0.0	0
W_m	95.41	0.0	0.0	0.0	0
R_m	39.92	58.66	26.98	64.57	25
J_m	81.26	-2.16	67.76	67.79	92
G_m	52.23	-42.25	11.76	43.87	164
B_m	30.57	1.15	-46.84	46.86	271



5 step scales for constant CIELAB hue 25/360 = 0.069 (right)

BAM-test chart NE25; Colorimetric systems TLS00 & ORS18

D65: Coordinate systems of 5 step colour scales for 10 hues

input: $olv \cdot setrgbcolor$

output: $olv \cdot setrgbcolor / w \cdot setgray$

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab \cdot h = 92/360 = 0.256$

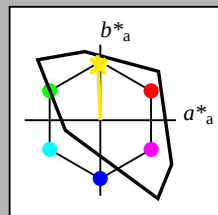
$lab \cdot tch$ and $lab \cdot nch$

D65: hue J

LCH*Ma: 85 86 92

olv*Ma: 1.0 0.82 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 158$

% Regularity

$g^*_{H,rel} = 20$

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

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_m	50.5	76.92	64.55	100.42	40
Y_m	92.66	-20.69	90.75	93.08	103
L_m	83.63	-82.75	79.9	115.04	136
C_m	86.88	-46.16	-13.55	48.12	196
V_m	30.39	76.06	-103.59	128.52	306
M_m	57.3	94.35	-58.41	110.97	328
N_m	0.01	0.0	0.0	0.0	0
W_m	95.41	0.0	0.0	0.0	0
R_m	39.92	58.74	27.99	65.07	25
J_m	81.26	-2.88	71.56	71.62	92
G_m	52.23	-42.41	13.6	44.55	162
B_m	30.57	1.41	-46.46	46.49	272

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab \cdot h = 92/360 = 0.255$

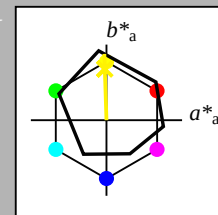
$LAB \cdot LCH$, $LAB \cdot NCH$

D65: hue J

LCH*Ma: 86 88 92

olv*Ma: 1.0 0.9 0.0

CIELAB lightness L^*



% Gamut

$u^*_{rel} = 93$

% Regularity

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

$g^*_{C,rel} = 59$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_m	47.94	65.39	50.52	82.63	38
Y_m	90.37	-10.26	91.75	92.32	96
L_m	50.9	-62.83	34.96	71.91	151
C_m	58.62	-30.34	-45.01	54.3	236
V_m	25.72	31.1	-44.4	54.22	305
M_m	48.13	75.28	-8.36	75.74	354
N_m	18.01	0.0	0.0	0.0	0
W_m	95.41	0.0	0.0	0.0	0
R_m	39.92	58.66	26.98	64.57	25
J_m	81.26	-2.16	67.76	67.79	92
G_m	52.23	-42.25	11.76	43.87	164
B_m	30.57	1.15	-46.84	46.86	271

triangle lightness t^*

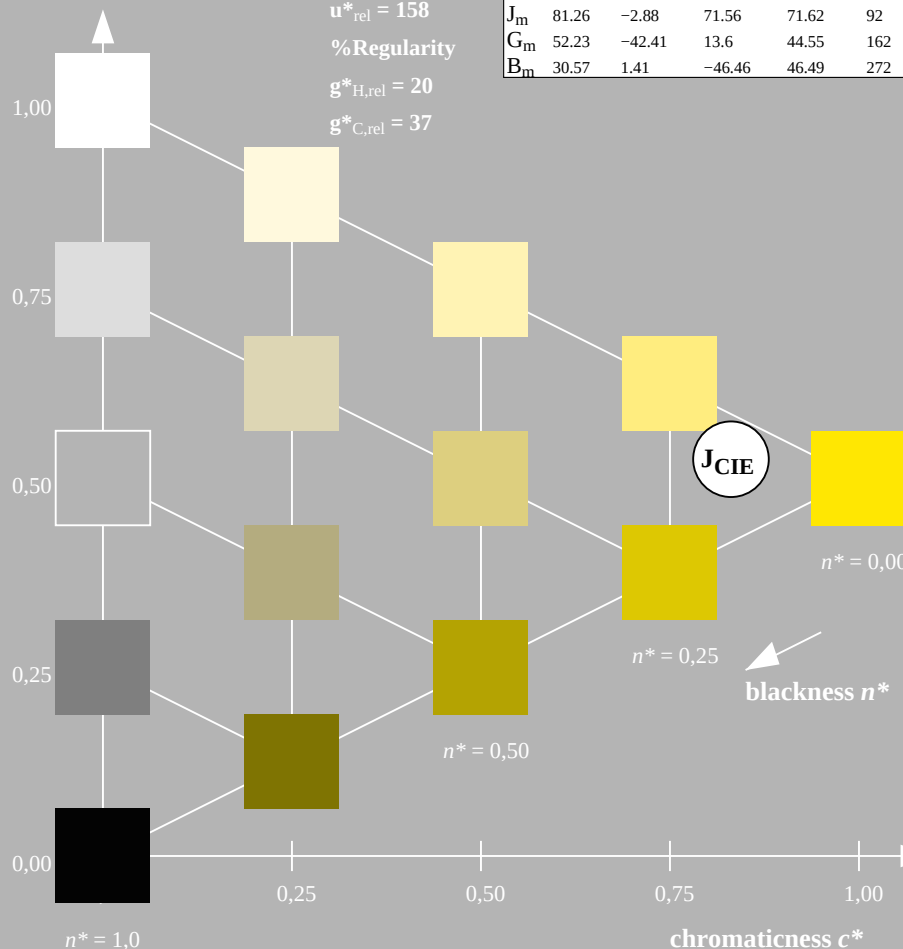
% Gamut

$u^*_{rel} = 93$

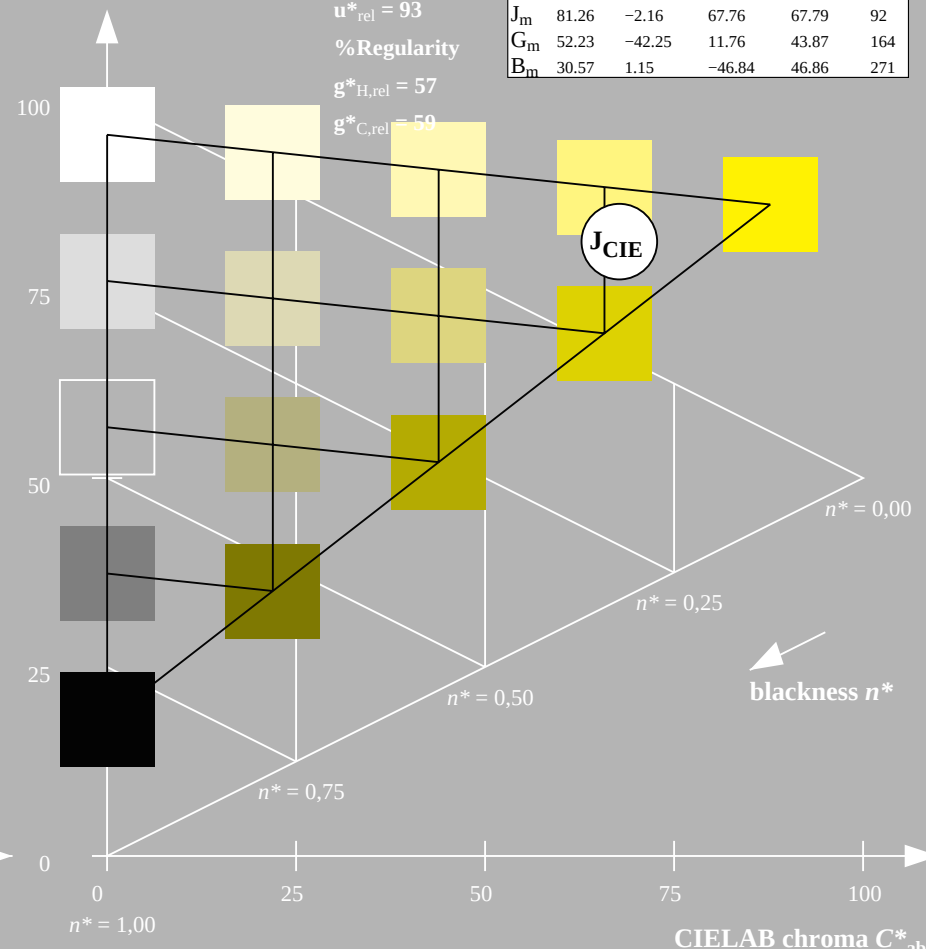
% Regularity

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

$g^*_{C,rel} = 59$



NE250-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)



5 step scales for constant CIELAB hue 92/360 = 0.255 (right)

BAM-test chart NE25; Colorimetric systems TLS00 & ORS18

D65: Coordinate systems of 5 step colour scales for 10 hues

input: $olv \cdot setrgbcolor$

output: $olv \cdot setrgbcolor / w \cdot setgray$

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab \cdot h = 162/360 = 0.451$

$lab \cdot tch$ and $lab \cdot nch$

D65: hue G

LCH*Ma: 86 62 162

olv*Ma: 0.0 1.0 0.65

triangle lightness t^*

1,00

0,75

0,50

0,25

0,00

0,00

0,25

0,50

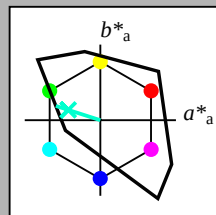
0,75

1,00

1,00

1,00

1,00



TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_m	50.5	76.92	64.55	100.42	40
Y_m	92.66	-20.69	90.75	93.08	103
L_m	83.63	-82.75	79.9	115.04	136
C_m	86.88	-46.16	-13.55	48.12	196
V_m	30.39	76.06	-103.59	128.52	306
M_m	57.3	94.35	-58.41	110.97	328
N_m	0.01	0.0	0.0	0.0	0
W_m	95.41	0.0	0.0	0.0	0
R_m	39.92	58.74	27.99	65.07	25
J_m	81.26	-2.88	71.56	71.62	92
G_m	52.23	-42.41	13.6	44.55	162
B_m	30.57	1.41	-46.46	46.49	272

% Gamut

$u^*_{rel} = 158$

% Regularity

$g^*_{H,rel} = 20$

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

$n^* = 0,00$

$n^* = 0,50$

$n^* = 0,50$

$n^* = 0,50$

$n^* = 0,50$

$n^* = 0,50$

$n^* = 0,50$

G_{CIE}

blackness n^*

chromaticness c^*

NE250-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab \cdot h = 164/360 = 0.457$

$LAB \cdot LCH$, $LAB \cdot NCH$

D65: hue G

LCH*Ma: 53 57 164

olv*Ma: 0.0 1.0 0.25

CIELAB lightness L^*

100

75

50

25

0

0

25

50

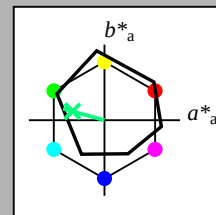
75

100

100

100

100



ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_m	47.94	65.39	50.52	82.63	38
Y_m	90.37	-10.26	91.75	92.32	96
L_m	50.9	-62.83	34.96	71.91	151
C_m	58.62	-30.34	-45.01	54.3	236
V_m	25.72	31.1	-44.4	54.22	305
M_m	48.13	75.28	-8.36	75.74	354
N_m	18.01	0.0	0.0	0.0	0
W_m	95.41	0.0	0.0	0.0	0
R_m	39.92	58.66	26.98	64.57	25
J_m	81.26	-2.16	67.76	67.79	92
G_m	52.23	-42.25	11.76	43.87	164
B_m	30.57	1.15	-46.84	46.86	271

% Gamut

$u^*_{rel} = 93$

% Regularity

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

$g^*_{C,rel} = 59$

G_{CIE}

blackness n^*

CIELAB chroma C^*_{ab}

5 step scales for constant CIELAB hue 164/360 = 0.457 (right)

BAM-test chart NE25; Colorimetric systems TLS00 & ORS18

D65: Coordinate systems of 5 step colour scales for 10 hues

input: $olv \cdot setrgbcolor$

output: $olv \cdot setrgbcolor / w \cdot setgray$

Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab \cdot h = 272/360 = 0.755$

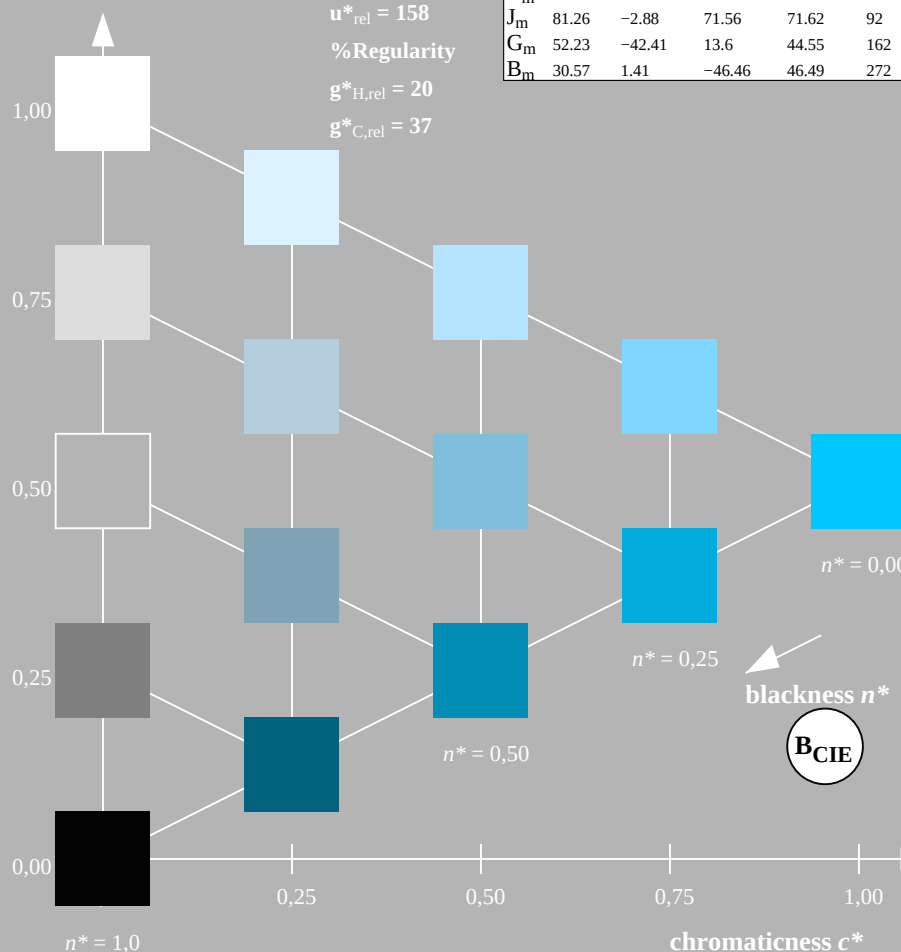
$lab \cdot tch$ and $lab \cdot nch$

D65: hue B

LCH*Ma: 65 49 272

olv*Ma: 0.0 0.61 1.0

triangle lightness t^*



NE250-7, 5 step scales for constant CIE LAB hue 272/360 = 0.755 (left)

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab \cdot h = 271/360 = 0.754$

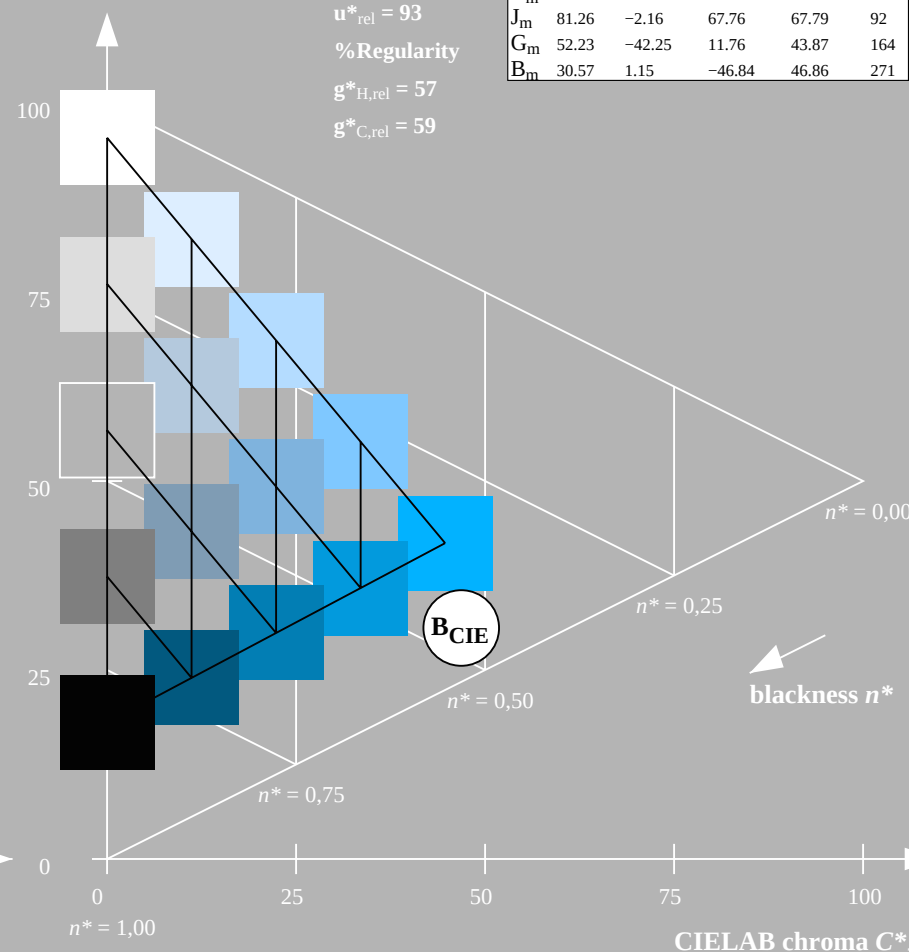
$LAB \cdot LCH$, $LAB \cdot NCH$

D65: hue B

LCH*Ma: 42 45 271

olv*Ma: 0.0 0.49 1.0

CIE LAB lightness L^*



5 step scales for constant CIE LAB hue 271/360 = 0.754 (right)

BAM-test chart NE25; Colorimetric systems TLS00 & ORS18

D65: Coordinate systems of 5 step colour scales for 10 hues

input: $olv \cdot setrgbcolor$

output: $olv \cdot setrgbcolor / w \cdot setgray$