

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab \cdot h = 38/360 = 0.106$

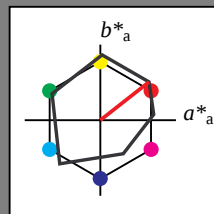
$lab \cdot tch$ and $lab \cdot nch$

D65: hue O

LCH*Ma: 48 82 38

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 96$

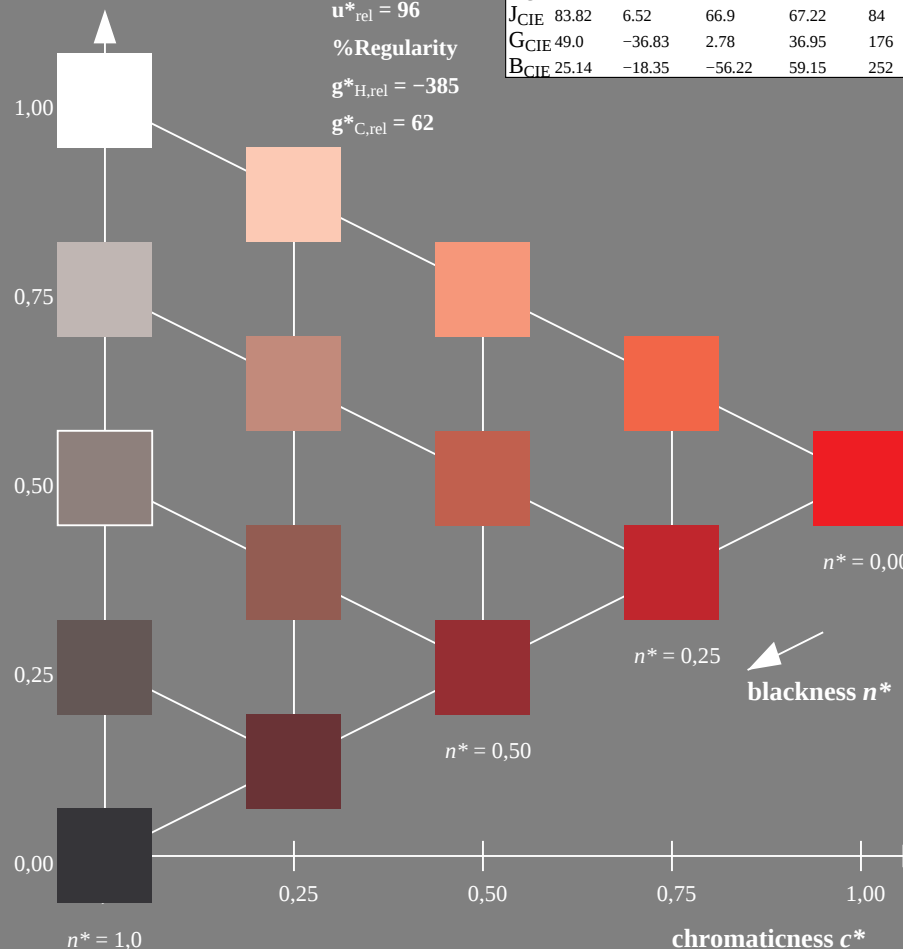
%Regularity

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_m	47.94	64.42	50.58	81.9	38
Y_m	92.62	2.41	86.36	86.39	88
L_m	50.9	-63.82	35.02	72.81	151
C_m	51.25	-53.68	-57.69	78.82	227
V_m	25.72	30.34	-44.37	53.76	304
M_m	56.25	70.59	7.57	70.99	6
N_m	18.11	0.0	0.0	0.0	0
W_m	95.6	0.0	0.0	0.0	0
R_{CIE}	47.79	60.85	41.08	73.41	34
J_{CIE}	83.82	6.52	66.9	67.22	84
G_{CIE}	49.0	-36.83	2.78	36.95	176
B_{CIE}	25.14	-18.35	-56.22	59.15	252



SE200-7, 5 step scales for constant CIELAB hue 38/360 = 0.106 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab \cdot h = 35/360 = 0.097$

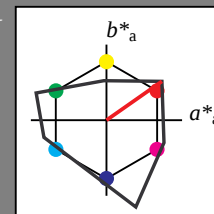
$LAB \cdot LCH$, $LAB \cdot NCH$

D65: hue O

LCH*Ma: 66 90 35

olv*Ma: 1.0 0.0 0.0

CIELAB lightness L^*



%Gamut

$u^*_{rel} = 141$

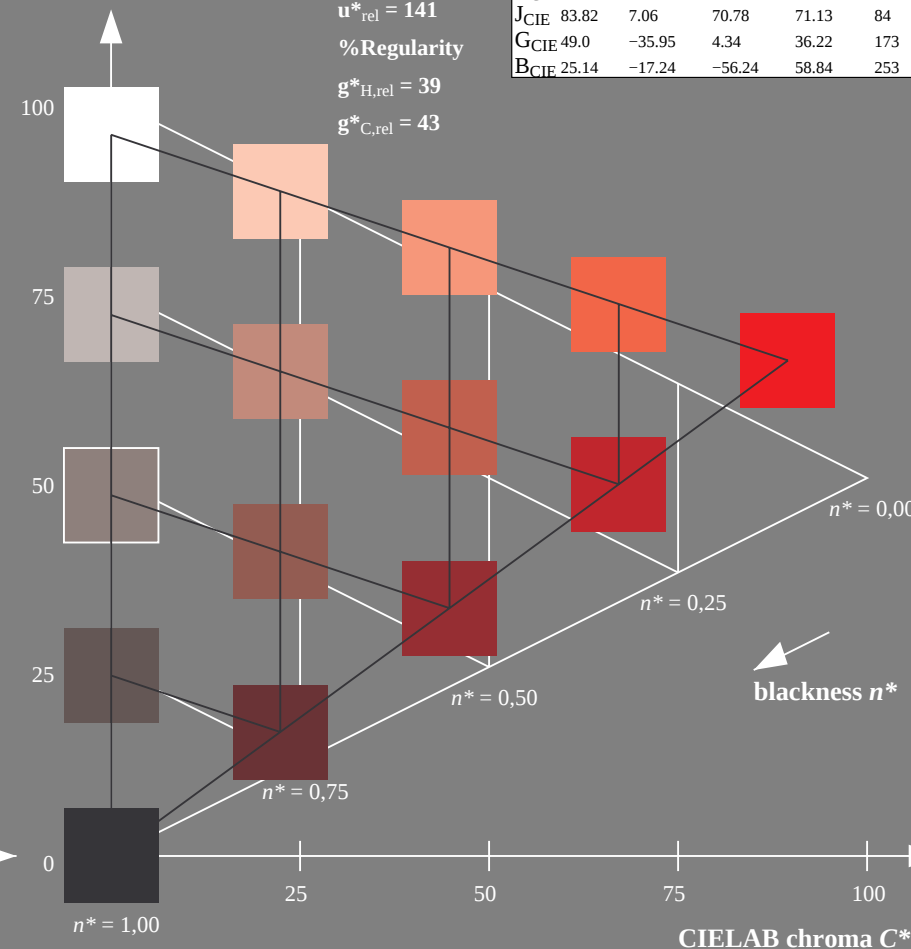
%Regularity

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_m	65.56	73.34	51.39	89.55	35
Y_m	94.78	-3.49	52.24	52.36	94
L_m	77.48	-92.97	36.0	99.71	159
C_m	78.36	-82.69	-22.74	85.77	195
V_m	12.55	38.81	-114.81	121.2	289
M_m	66.71	76.08	-29.8	81.71	339
N_m	0.01	0.0	0.0	0.0	0
W_m	95.41	0.0	0.0	0.0	0
R_{CIE}	47.79	61.74	42.56	74.99	35
J_{CIE}	83.82	7.06	70.78	71.13	84
G_{CIE}	49.0	-35.95	4.34	36.22	173
B_{CIE}	25.14	-17.24	-56.24	58.84	253



5 step scales for constant CIELAB hue 35/360 = 0.097 (right)

BAM-test chart SE20; Colorimetric systems ORS18 & TLS00

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

input: $cmY0^* setcmykcolor$

output: no change compared to input

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab \cdot h = 88/360 = 0.246$

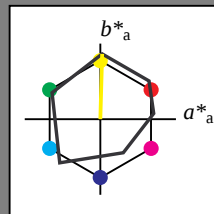
$lab \cdot tch$ and $lab \cdot nch$

D65: hue Y

LCH*Ma: 93 86 88

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 96$

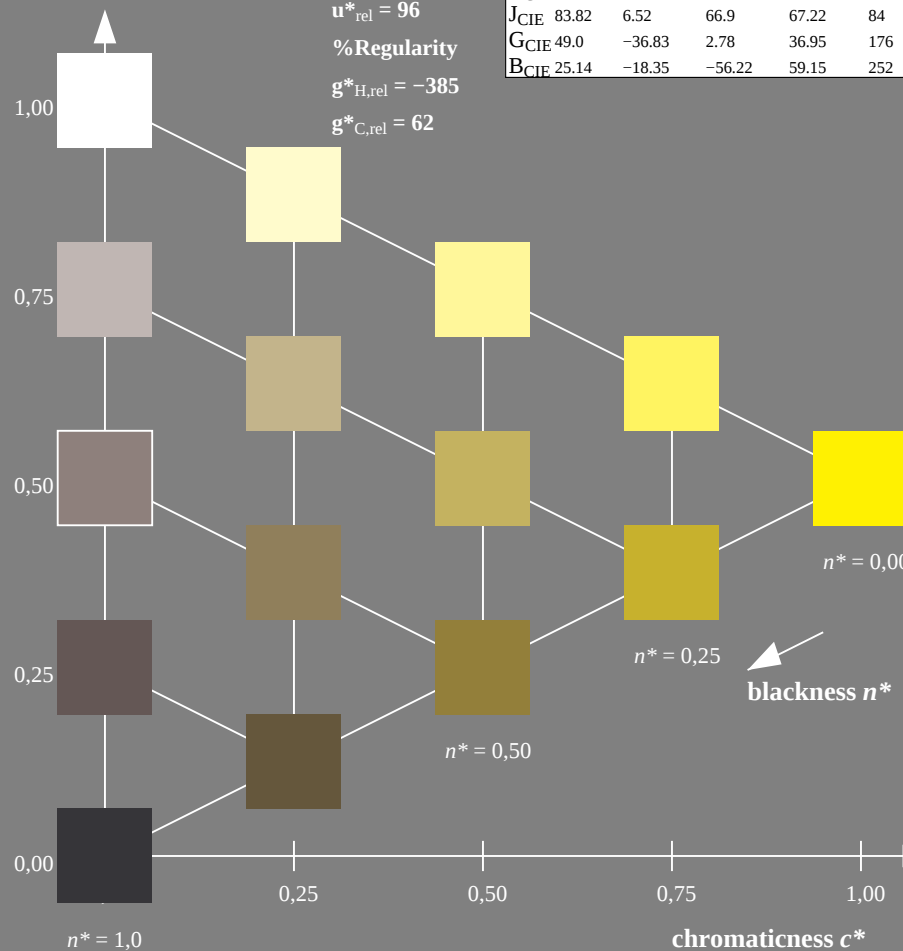
%Regularity

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_m	47.94	64.42	50.58	81.9	38
Y_m	92.62	2.41	86.36	86.39	88
L_m	50.9	-63.82	35.02	72.81	151
C_m	51.25	-53.68	-57.69	78.82	227
V_m	25.72	30.34	-44.37	53.76	304
M_m	56.25	70.59	7.57	70.99	6
N_m	18.11	0.0	0.0	0.0	0
W_m	95.6	0.0	0.0	0.0	0
R_{CIE}	47.79	60.85	41.08	73.41	34
J_{CIE}	83.82	6.52	66.9	67.22	84
G_{CIE}	49.0	-36.83	2.78	36.95	176
B_{CIE}	25.14	-18.35	-56.22	59.15	252



SE200-7, 5 step scales for constant CIELAB hue 88/360 = 0.246 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab \cdot h = 94/360 = 0.261$

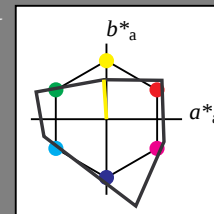
$LAB \cdot LCH$, $LAB \cdot NCH$

D65: hue Y

LCH*Ma: 95 52 94

olv*Ma: 1.0 1.0 0.0

CIELAB lightness L^*



%Gamut

$u^*_{rel} = 141$

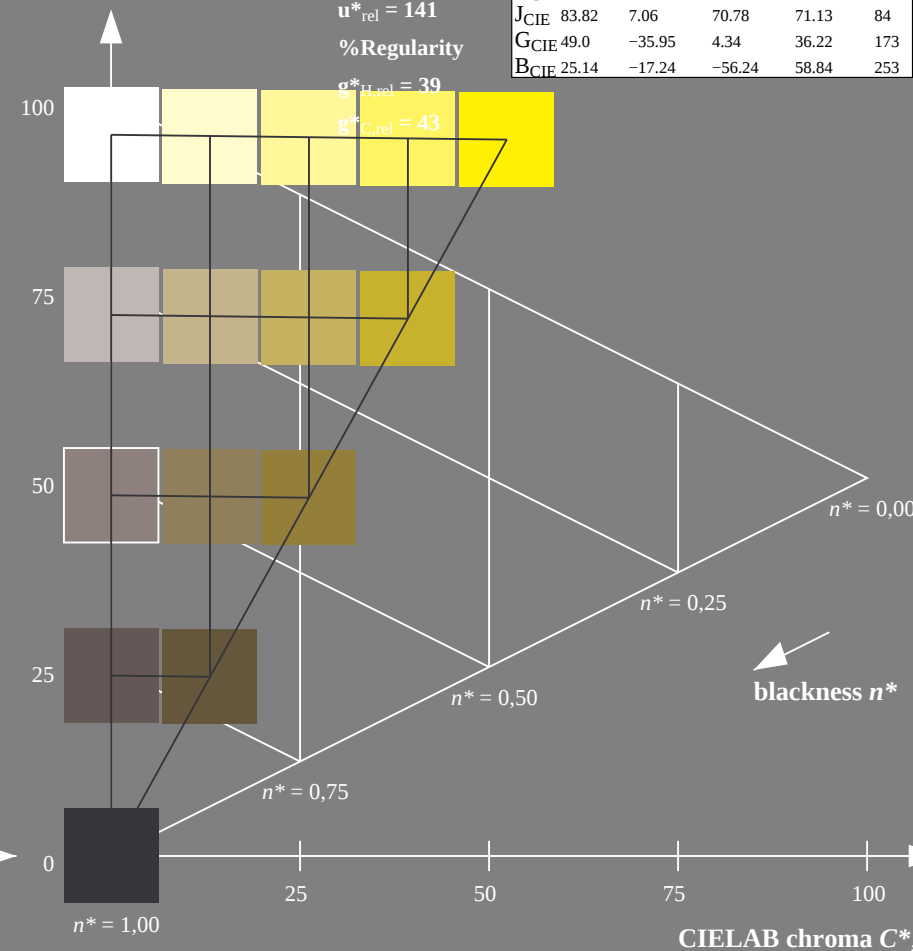
%Regularity

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_m	65.56	73.34	51.39	89.55	35
Y_m	94.78	-3.49	52.24	52.36	94
L_m	77.48	-92.97	36.0	99.71	159
C_m	78.36	-82.69	-22.74	85.77	195
V_m	12.55	38.81	-114.81	121.2	289
M_m	66.71	76.08	-29.8	81.71	339
N_m	0.01	0.0	0.0	0.0	0
W_m	95.41	0.0	0.0	0.0	0
R_{CIE}	47.79	61.74	42.56	74.99	35
J_{CIE}	83.82	7.06	70.78	71.13	84
G_{CIE}	49.0	-35.95	4.34	36.22	173
B_{CIE}	25.14	-17.24	-56.24	58.84	253



5 step scales for constant CIELAB hue 94/360 = 0.261 (right)

BAM-test chart SE20; Colorimetric systems ORS18 & TLS00

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

input: $cmY0^* setcmykcolor$

output: no change compared to input

Input: Colorimetric Offset Reflective System ORS18

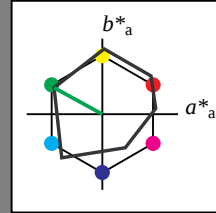
for hue $h^* = lab^*h = 151/360 = 0.42$

*lab*tch* and *lab*nch*

D65: hue L

LCH*Ma: 51 73 151

olv*Ma: 0.0 1.0 0.0



triangle lightness t^*

%Gamut

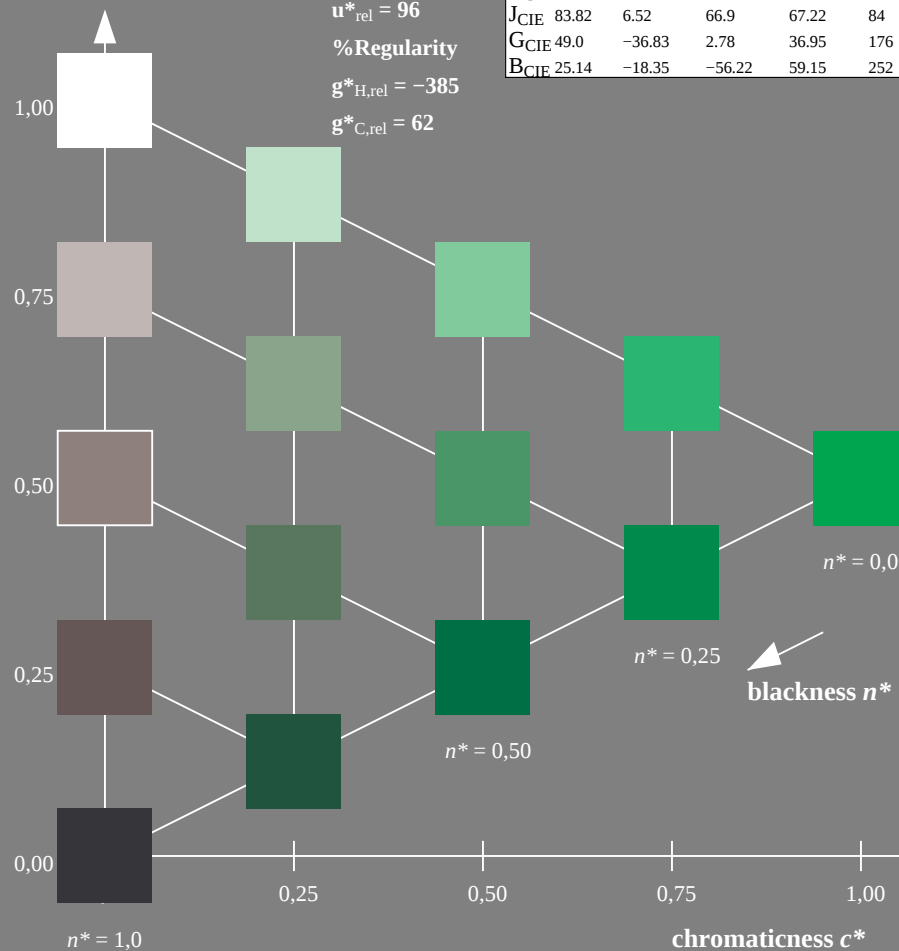
$$\mathbf{u}_{\text{rel}}^* = 96$$

%Regularity

$$g^*_{H,rel} = -385$$
$$g^*_{C,rel} = 62$$

ORS18; adapted (a) CIELAB data

	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	h^*_{ab}
O _m	47.94	64.42	50.58	81.9	38
Y _m	92.62	2.41	86.36	86.39	88
L _m	50.9	-63.82	35.02	72.81	151
C _m	51.25	-53.68	-57.69	78.82	227
V _m	25.72	30.34	-44.37	53.76	304
M _m	56.25	70.59	7.57	70.99	6
N _m	18.11	0.0	0.0	0.0	0
W _m	95.6	0.0	0.0	0.0	0
R _{CIE}	47.79	60.85	41.08	73.41	34
J _{CIE}	83.82	6.52	66.9	67.22	84
G _{CIE}	49.0	-36.83	2.78	36.95	176
B _{CIE}	25.14	-18.35	-56.22	59.15	252



SE200-7, 5 step scales for constant CIELAB hue 151/360 = 0.42 (left)

BAM-test chart SE20; Colorimetric systems ORS18 & TLS00

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

Output: Colorimetric Television Luminous System TLS00

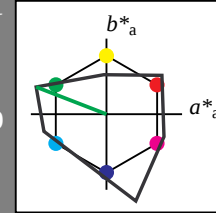
for hue $h^* = lab^*h = 159/360 = 0.441$

*LAB*LCH, LAB*NCH*

D65: hue L

LCH*Ma: 77 100 159

olv*Ma: 0.0 1.0 0.0



CIELAB lightness L^*

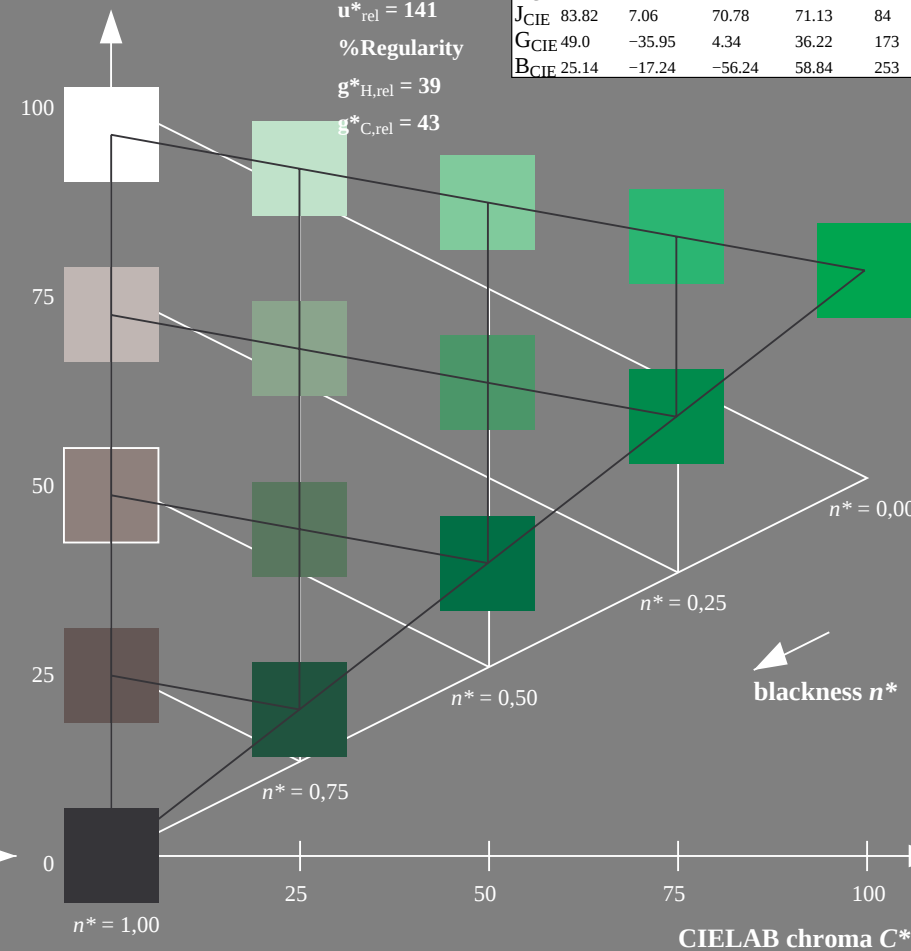
%Gamut

$$\mathbf{u}_{\text{rel}}^* = 14$$

%Regularity

$$g^*_{H,rel} = 39$$
TLS00; adapted (a) CIELAB data

	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	h^*_{ab}
O _m	65.56	73.34	51.39	89.55	35
Y _m	94.78	-3.49	52.24	52.36	94
L _m	77.48	-92.97	36.0	99.71	159
C _m	78.36	-82.69	-22.74	85.77	195
V _m	12.55	38.81	-114.81	121.2	289
M _m	66.71	76.08	-29.8	81.71	339
N _m	0.01	0.0	0.0	0.0	0
W _m	95.41	0.0	0.0	0.0	0
R _{CIE}	47.79	61.74	42.56	74.99	35
J _{CIE}	83.82	7.06	70.78	71.13	84
G _{CIE}	49.0	-35.95	4.34	36.22	173
B _{CIE}	25.14	-17.24	-56.24	58.84	253



5 step scales for constant CIELAB hue 159/360 = 0.441 (right)

input: *cmy0** *setcmykcolor*

output: *no change compared to input*

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab \cdot h = 227/360 = 0.631$

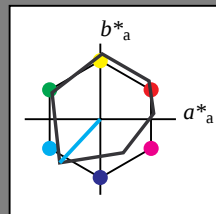
$lab \cdot tch$ and $lab \cdot nch$

D65: hue C

LCH*Ma: 51 79 227

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 96$

%Regularity

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_m	47.94	64.42	50.58	81.9	38
Y_m	92.62	2.41	86.36	86.39	88
L_m	50.9	-63.82	35.02	72.81	151
C_m	51.25	-53.68	-57.69	78.82	227
V_m	25.72	30.34	-44.37	53.76	304
M_m	56.25	70.59	7.57	70.99	6
N_m	18.11	0.0	0.0	0.0	0
W_m	95.6	0.0	0.0	0.0	0
R_{CIE}	47.79	60.85	41.08	73.41	34
J_{CIE}	83.82	6.52	66.9	67.22	84
G_{CIE}	49.0	-36.83	2.78	36.95	176
B_{CIE}	25.14	-18.35	-56.22	59.15	252

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab \cdot h = 195/360 = 0.543$

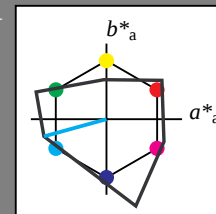
$LAB \cdot LCH$, $LAB \cdot NCH$

D65: hue C

LCH*Ma: 78 86 195

olv*Ma: 0.0 1.0 1.0

CIELAB lightness L^*



%Gamut

$u^*_{rel} = 141$

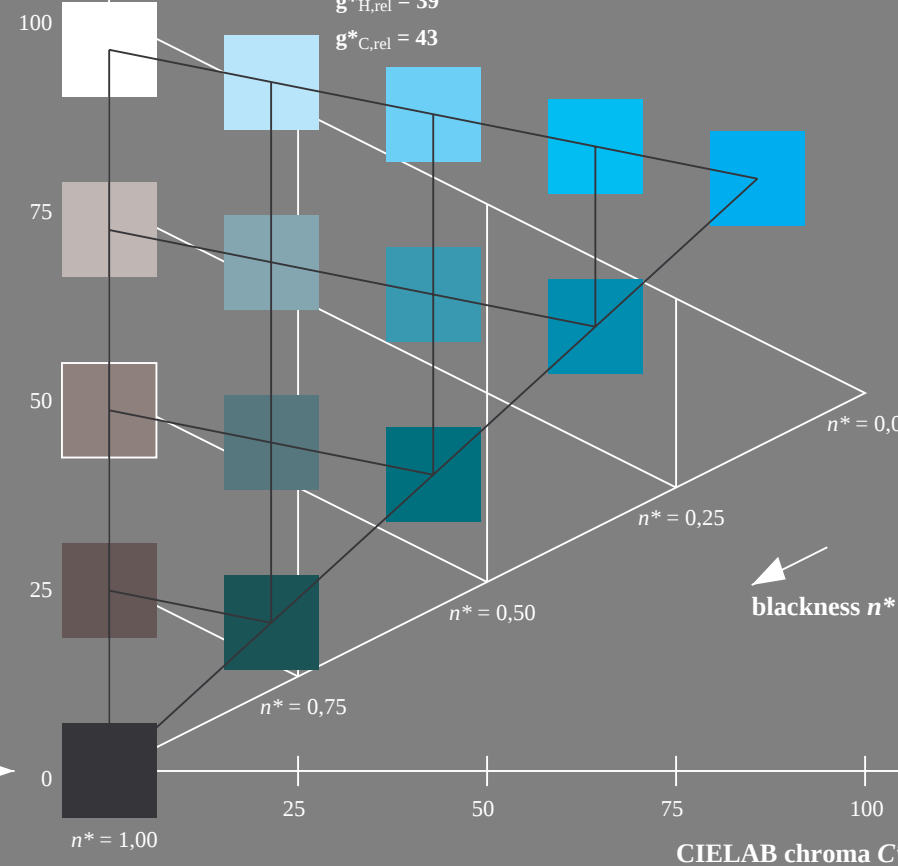
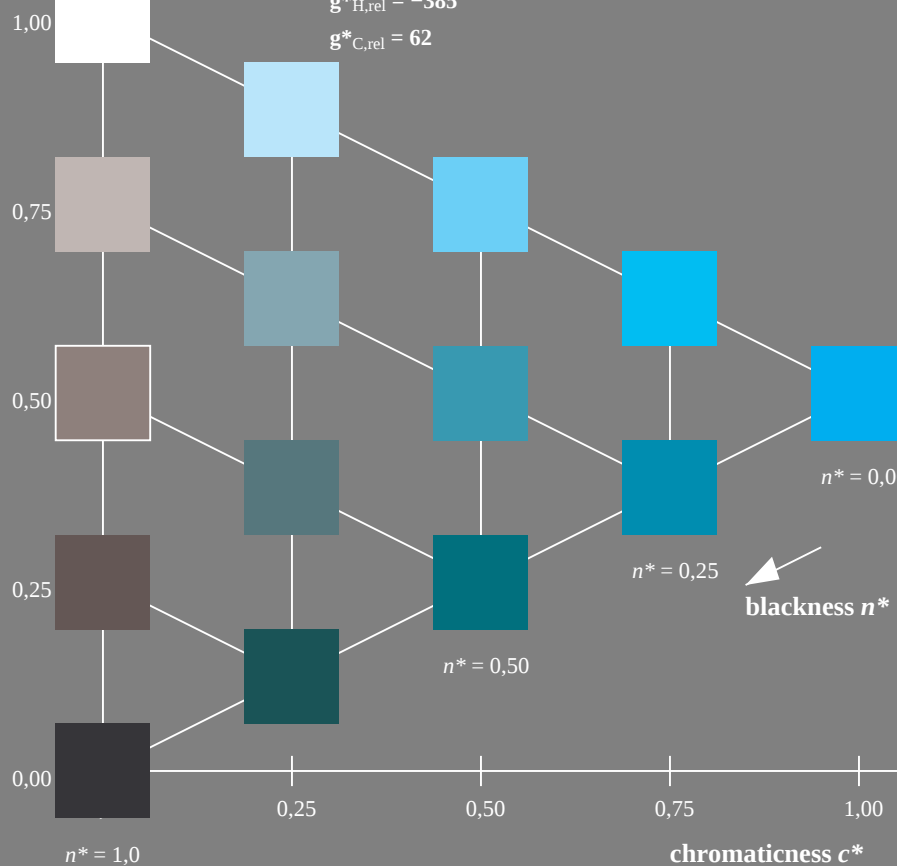
%Regularity

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_m	65.56	73.34	51.39	89.55	35
Y_m	94.78	-3.49	52.24	52.36	94
L_m	77.48	-92.97	36.0	99.71	159
C_m	78.36	-82.69	-22.74	85.77	195
V_m	12.55	38.81	-114.81	121.2	289
M_m	66.71	76.08	-29.8	81.71	339
N_m	0.01	0.0	0.0	0.0	0
W_m	95.41	0.0	0.0	0.0	0
R_{CIE}	47.79	61.74	42.56	74.99	35
J_{CIE}	83.82	7.06	70.78	71.13	84
G_{CIE}	49.0	-35.95	4.34	36.22	173
B_{CIE}	25.14	-17.24	-56.24	58.84	253



SE200-7, 5 step scales for constant CIELAB hue 227/360 = 0.631 (left)

5 step scales for constant CIELAB hue 195/360 = 0.543 (right)

BAM-test chart SE20; Colorimetric systems ORS18 & TLS00

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

input: $cmY0^* setcmykcolor$

output: no change compared to input

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab \cdot h = 304/360 = 0.845$

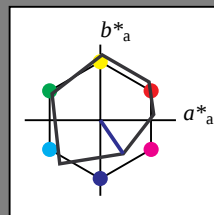
$lab \cdot tch$ and $lab \cdot nch$

D65: hue V

LCH*Ma: 26 54 304

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 96$

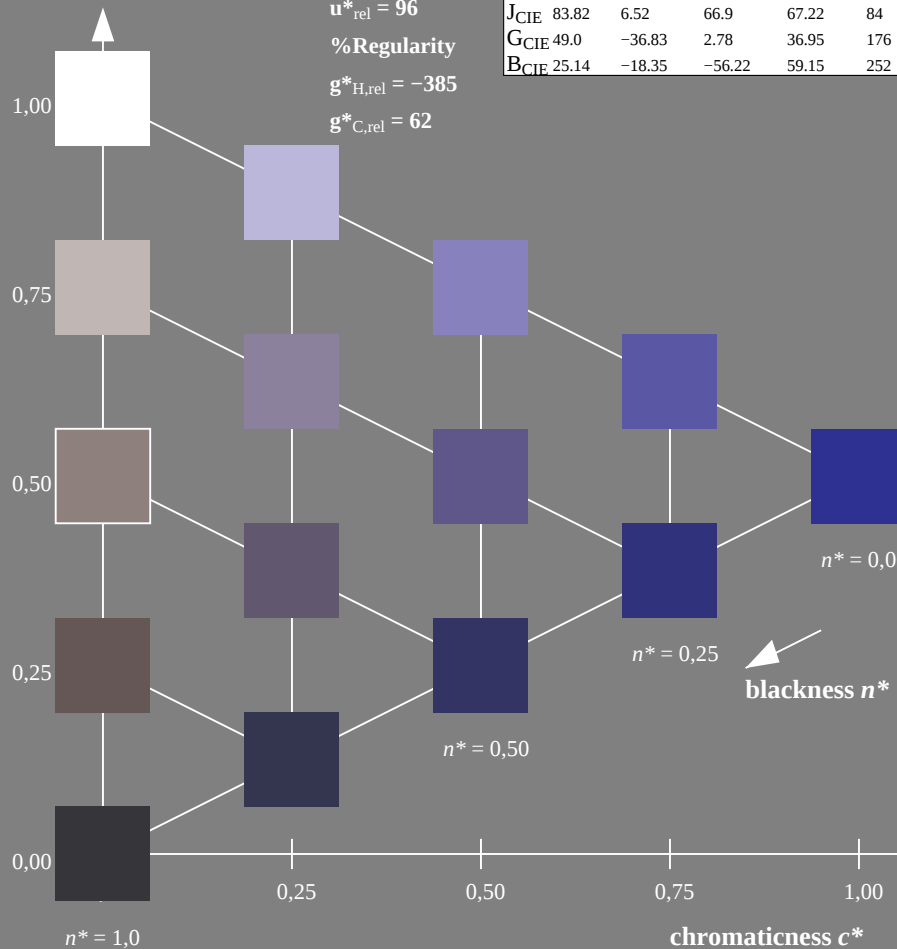
%Regularity

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_m	47.94	64.42	50.58	81.9	38
Y_m	92.62	2.41	86.36	86.39	88
L_m	50.9	-63.82	35.02	72.81	151
C_m	51.25	-53.68	-57.69	78.82	227
V_m	25.72	30.34	-44.37	53.76	304
M_m	56.25	70.59	7.57	70.99	6
N_m	18.11	0.0	0.0	0.0	0
W_m	95.6	0.0	0.0	0.0	0
R_{CIE}	47.79	60.85	41.08	73.41	34
J_{CIE}	83.82	6.52	66.9	67.22	84
G_{CIE}	49.0	-36.83	2.78	36.95	176
B_{CIE}	25.14	-18.35	-56.22	59.15	252



SE200-7, 5 step scales for constant CIELAB hue 304/360 = 0.845 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab \cdot h = 289/360 = 0.802$

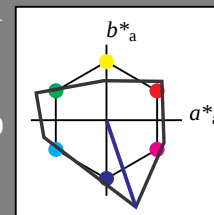
$LAB \cdot LCH$, $LAB \cdot NCH$

D65: hue V

LCH*Ma: 13 121 289

olv*Ma: 0.0 0.0 1.0

CIELAB lightness L^*



%Gamut

$u^*_{rel} = 141$

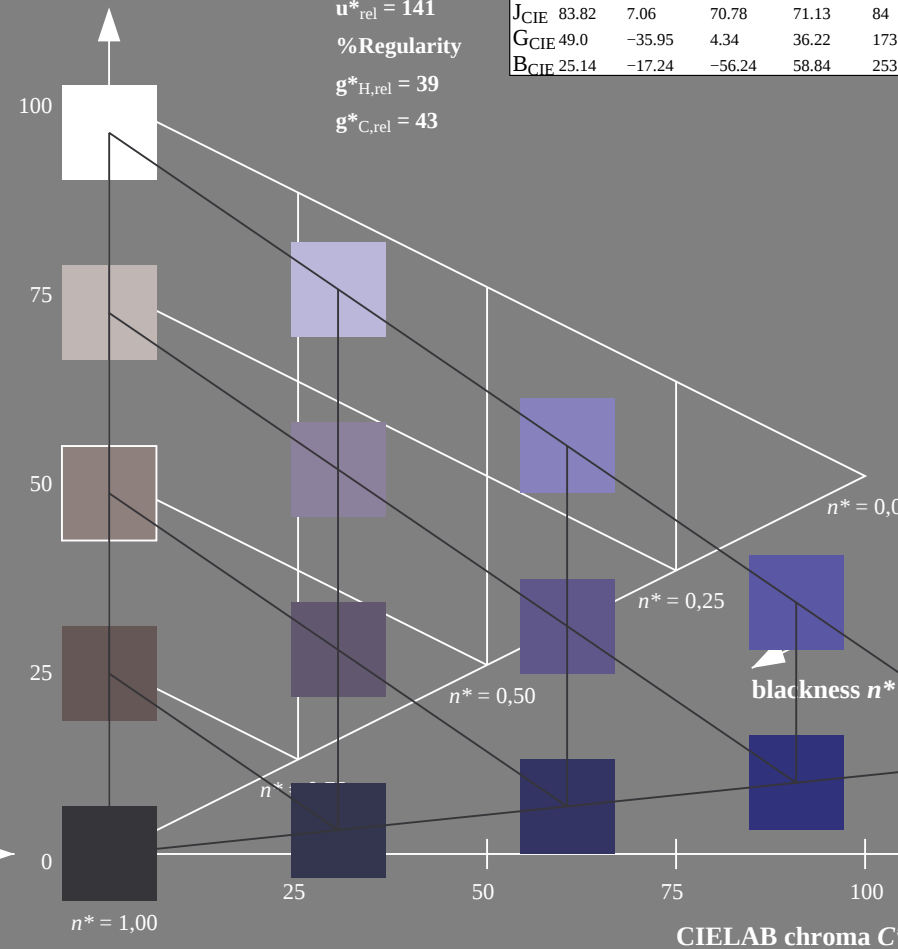
%Regularity

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_m	65.56	73.34	51.39	89.55	35
Y_m	94.78	-3.49	52.24	52.36	94
L_m	77.48	-92.97	36.0	99.71	159
C_m	78.36	-82.69	-22.74	85.77	195
V_m	12.55	38.81	-114.81	121.2	289
M_m	66.71	76.08	-29.8	81.71	339
N_m	0.01	0.0	0.0	0.0	0
W_m	95.41	0.0	0.0	0.0	0
R_{CIE}	47.79	61.74	42.56	74.99	35
J_{CIE}	83.82	7.06	70.78	71.13	84
G_{CIE}	49.0	-35.95	4.34	36.22	173
B_{CIE}	25.14	-17.24	-56.24	58.84	253



5 step scales for constant CIELAB hue 289/360 = 0.802 (right)

BAM-test chart SE20; Colorimetric systems ORS18 & TLS00

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

input: $cmY0^* setcmykcolor$

output: no change compared to input

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab \cdot h = 6/360 = 0.017$

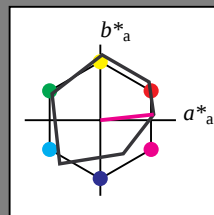
$lab \cdot tch$ and $lab \cdot nch$

D65: hue M

LCH*Ma: 56 71 6

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 96$

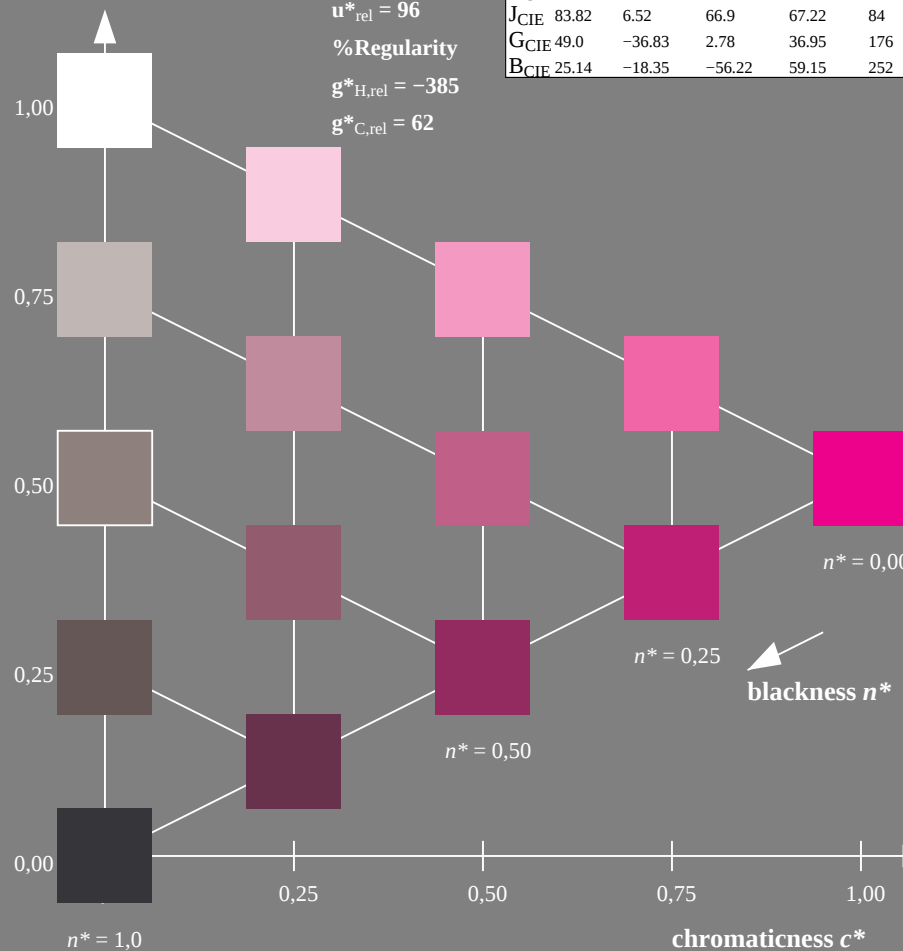
%Regularity

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_m	47.94	64.42	50.58	81.9	38
Y_m	92.62	2.41	86.36	86.39	88
L_m	50.9	-63.82	35.02	72.81	151
C_m	51.25	-53.68	-57.69	78.82	227
V_m	25.72	30.34	-44.37	53.76	304
M_m	56.25	70.59	7.57	70.99	6
N_m	18.11	0.0	0.0	0.0	0
W_m	95.6	0.0	0.0	0.0	0
R_{CIE}	47.79	60.85	41.08	73.41	34
J_{CIE}	83.82	6.52	66.9	67.22	84
G_{CIE}	49.0	-36.83	2.78	36.95	176
B_{CIE}	25.14	-18.35	-56.22	59.15	252



SE200-7, 5 step scales for constant CIELAB hue 6/360 = 0.017 (left)

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab \cdot h = 339/360 = 0.941$

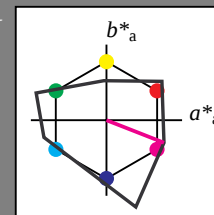
$LAB \cdot LCH$, $LAB \cdot NCH$

D65: hue M

LCH*Ma: 67 82 339

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 141$

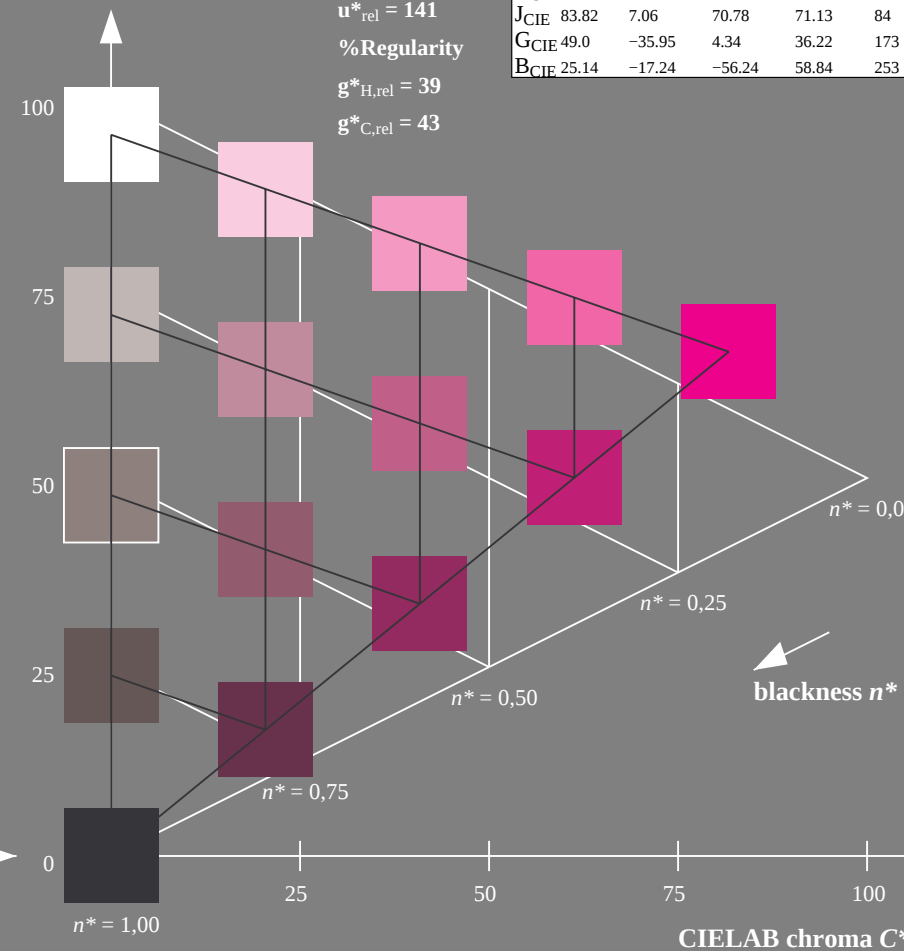
%Regularity

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_m	65.56	73.34	51.39	89.55	35
Y_m	94.78	-3.49	52.24	52.36	94
L_m	77.48	-92.97	36.0	99.71	159
C_m	78.36	-82.69	-22.74	85.77	195
V_m	12.55	38.81	-114.81	121.2	289
M_m	66.71	76.08	-29.8	81.71	339
N_m	0.01	0.0	0.0	0.0	0
W_m	95.41	0.0	0.0	0.0	0
R_{CIE}	47.79	61.74	42.56	74.99	35
J_{CIE}	83.82	7.06	70.78	71.13	84
G_{CIE}	49.0	-35.95	4.34	36.22	173
B_{CIE}	25.14	-17.24	-56.24	58.84	253



5 step scales for constant CIELAB hue 339/360 = 0.941 (right)

BAM-test chart SE20; Colorimetric systems ORS18 & TLS00

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

input: $cmY0^* setcmykcolor$

output: no change compared to input

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab \cdot h = 34/360 = 0.095$

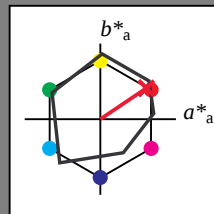
$lab \cdot tch$ and $lab \cdot nch$

D65: hue R

LCH*Ma: 49 79 34

olv*Ma: 1.0 0.0 0.15

triangle lightness t^*



%Gamut

$u^*_{rel} = 96$

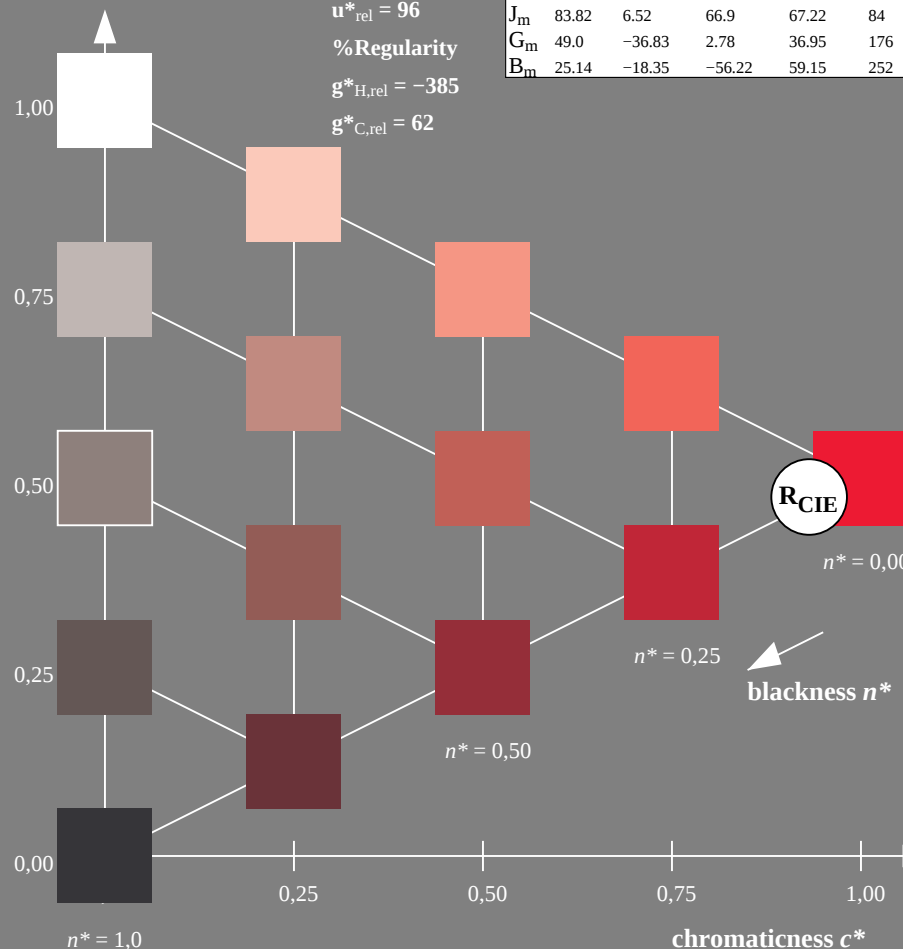
%Regularity

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_m	47.94	64.42	50.58	81.9	38
Y_m	92.62	2.41	86.36	86.39	88
L_m	50.9	-63.82	35.02	72.81	151
C_m	51.25	-53.68	-57.69	78.82	227
V_m	25.72	30.34	-44.37	53.76	304
M_m	56.25	70.59	7.57	70.99	6
N_m	18.11	0.0	0.0	0.0	0
W_m	95.6	0.0	0.0	0.0	0
R_m	47.79	60.85	41.08	73.41	34
J_m	83.82	6.52	66.9	67.22	84
G_m	49.0	-36.83	2.78	36.95	176
B_m	25.14	-18.35	-56.22	59.15	252



SE200-7, 5 step scales for constant CIELAB hue 34/360 = 0.095 (left)



BAM-test chart SE20; Colorimetric systems ORS18 & TLS00

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

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab \cdot h = 35/360 = 0.096$

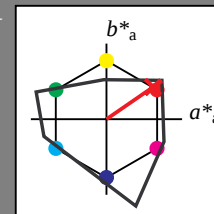
$LAB \cdot LCH$, $LAB \cdot NCH$

D65: hue R

LCH*Ma: 66 89 35

olv*Ma: 1.0 0.0 0.01

CIELAB lightness L^*



%Gamut

$u^*_{rel} = 141$

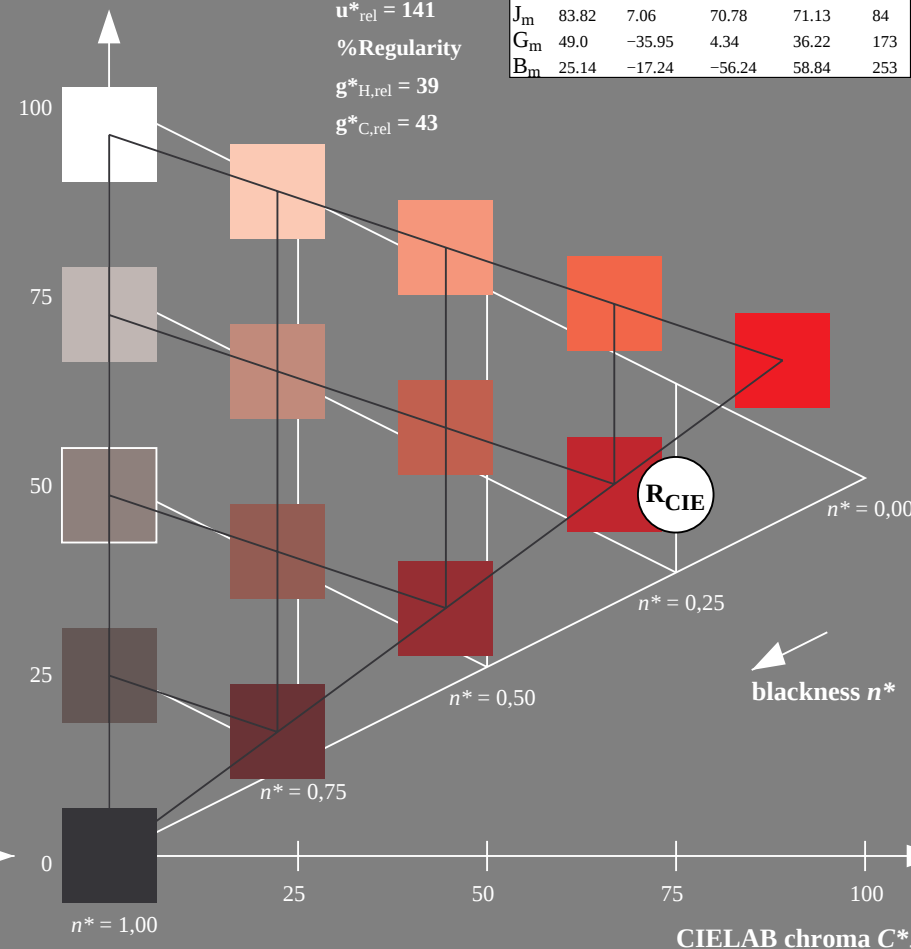
%Regularity

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_m	65.56	73.34	51.39	89.55	35
Y_m	94.78	-3.49	52.24	52.36	94
L_m	77.48	-92.97	36.0	99.71	159
C_m	78.36	-82.69	-22.74	85.77	195
V_m	12.55	38.81	-114.81	121.2	289
M_m	66.71	76.08	-29.8	81.71	339
N_m	0.01	0.0	0.0	0.0	0
W_m	95.41	0.0	0.0	0.0	0
R_m	47.79	61.74	42.56	74.99	35
J_m	83.82	7.06	70.78	71.13	84
G_m	49.0	-35.95	4.34	36.22	173
B_m	25.14	-17.24	-56.24	58.84	253



5 step scales for constant CIELAB hue 35/360 = 0.096 (right)

input: $cmY0^* setcmykcolor$

output: no change compared to input



Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab \cdot h = 84/360 = 0.235$

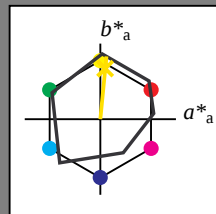
$lab \cdot tch$ and $lab \cdot nch$

D65: hue J

LCH*Ma: 89 83 84

olv*Ma: 1.0 0.91 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 96$

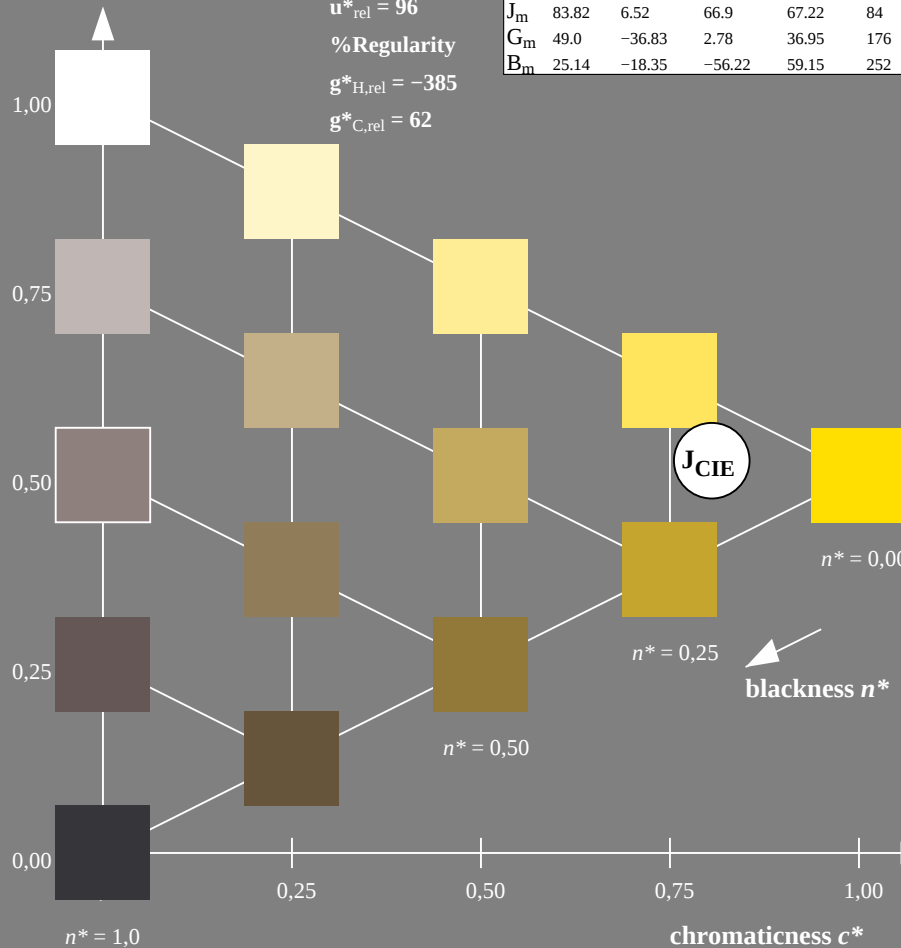
%Regularity

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_m	47.94	64.42	50.58	81.9	38
Y_m	92.62	2.41	86.36	86.39	88
L_m	50.9	-63.82	35.02	72.81	151
C_m	51.25	-53.68	-57.69	78.82	227
V_m	25.72	30.34	-44.37	53.76	304
M_m	56.25	70.59	7.57	70.99	6
N_m	18.11	0.0	0.0	0.0	0
W_m	95.6	0.0	0.0	0.0	0
R_m	47.79	60.85	41.08	73.41	34
J_m	83.82	6.52	66.9	67.22	84
G_m	49.0	-36.83	2.78	36.95	176
B_m	25.14	-18.35	-56.22	59.15	252



SE200-7, 5 step scales for constant CIELAB hue 84/360 = 0.235 (left)



BAM-test chart SE20; Colorimetric systems ORS18 & TLS00

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

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab \cdot h = 84/360 = 0.234$

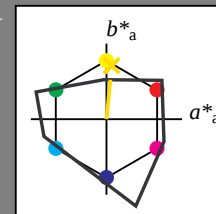
$LAB \cdot LCH$, $LAB \cdot NCH$

D65: hue J

LCH*Ma: 91 52 84

olv*Ma: 1.0 0.89 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 141$

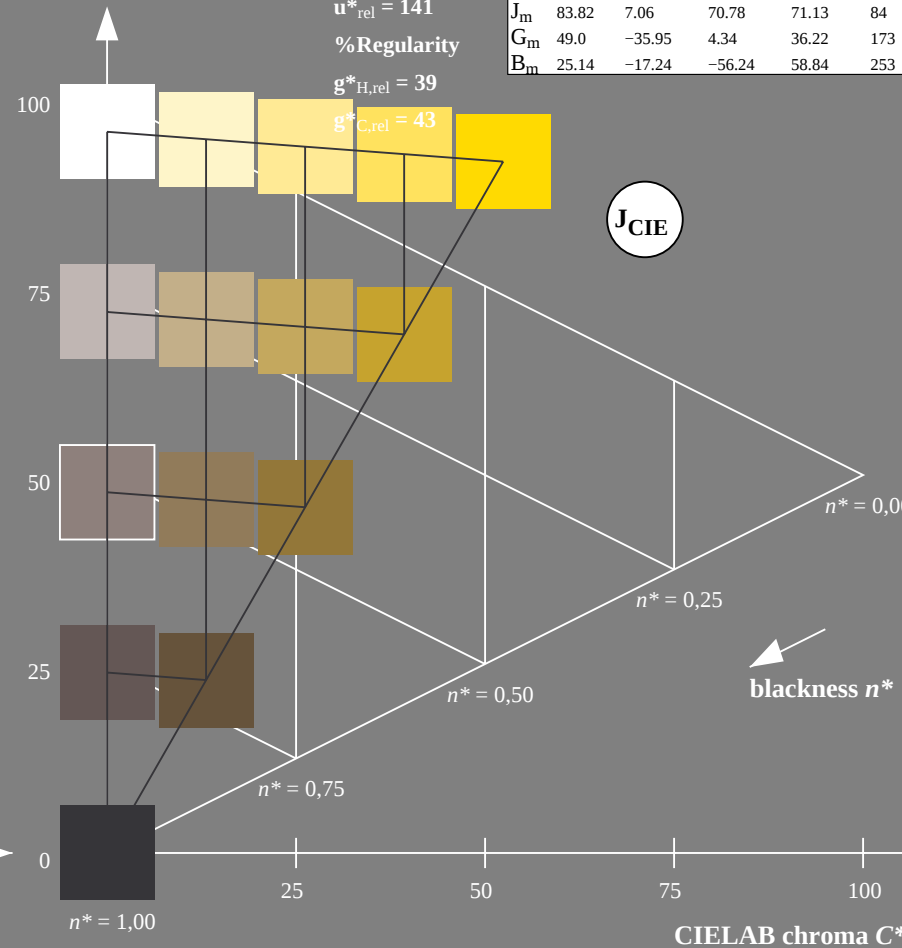
%Regularity

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_m	65.56	73.34	51.39	89.55	35
Y_m	94.78	-3.49	52.24	52.36	94
L_m	77.48	-92.97	36.0	99.71	159
C_m	78.36	-82.69	-22.74	85.77	195
V_m	12.55	38.81	-114.81	121.2	289
M_m	66.71	76.08	-29.8	81.71	339
N_m	0.01	0.0	0.0	0.0	0
W_m	95.41	0.0	0.0	0.0	0
R_m	47.79	61.74	42.56	74.99	35
J_m	83.82	7.06	70.78	71.13	84
G_m	49.0	-35.95	4.34	36.22	173
B_m	25.14	-17.24	-56.24	58.84	253



5 step scales for constant CIELAB hue 84/360 = 0.234 (right)

input: $cmY0^* setcmykcolor$

output: no change compared to input



Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab \cdot h = 176/360 = 0.488$

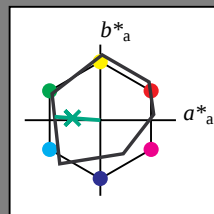
$lab \cdot tch$ and $lab \cdot nch$

D65: hue G

LCH*Ma: 51 61 176

olv*Ma: 0.0 1.0 0.33

triangle lightness t^*



%Gamut

$u^*_{rel} = 96$

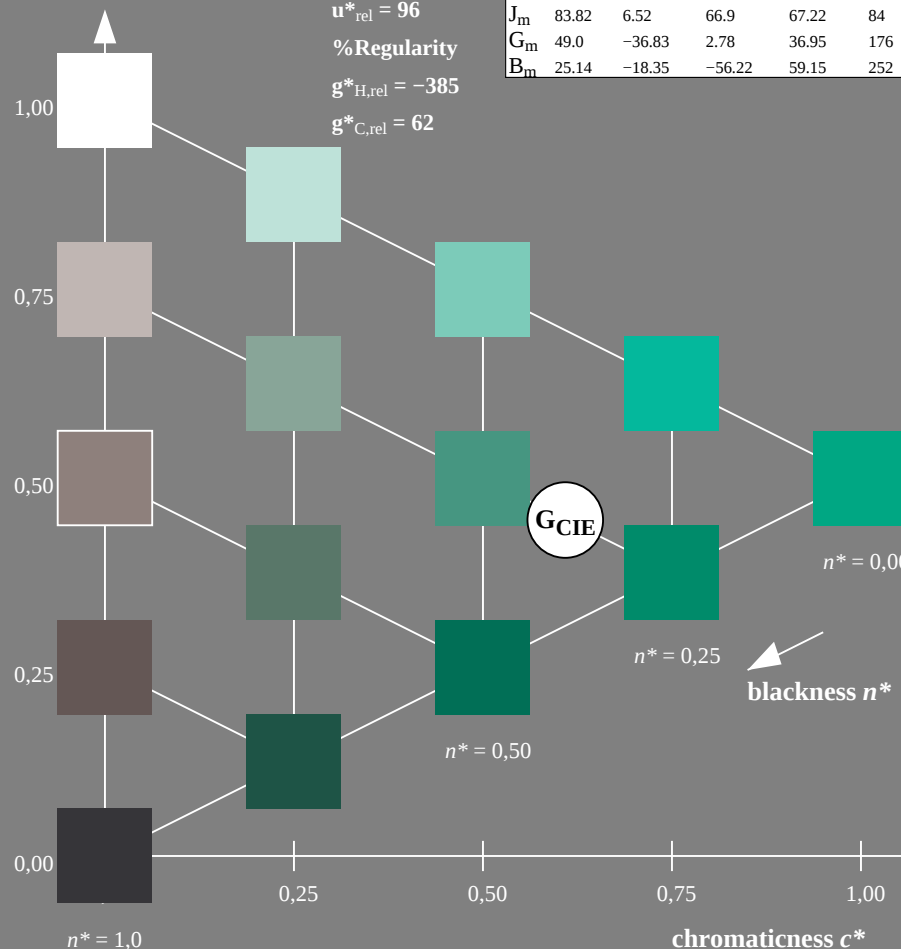
%Regularity

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _m	47.94	64.42	50.58	81.9	38
Y _m	92.62	2.41	86.36	86.39	88
L _m	50.9	-63.82	35.02	72.81	151
C _m	51.25	-53.68	-57.69	78.82	227
V _m	25.72	30.34	-44.37	53.76	304
M _m	56.25	70.59	7.57	70.99	6
N _m	18.11	0.0	0.0	0.0	0
W _m	95.6	0.0	0.0	0.0	0
R _m	47.79	60.85	41.08	73.41	34
J _m	83.82	6.52	66.9	67.22	84
G _m	49.0	-36.83	2.78	36.95	176
B _m	25.14	-18.35	-56.22	59.15	252



SE200-7, 5 step scales for constant CIELAB hue 176/360 = 0.488 (left)



BAM-test chart SE20; Colorimetric systems ORS18 & TLS00

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

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab \cdot h = 173/360 = 0.481$

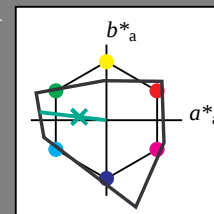
$LAB \cdot LCH$, $LAB \cdot NCH$

D65: hue G

LCH*Ma: 78 89 173

olv*Ma: 0.0 1.0 0.43

CIELAB lightness L^*



%Gamut

$u^*_{rel} = 141$

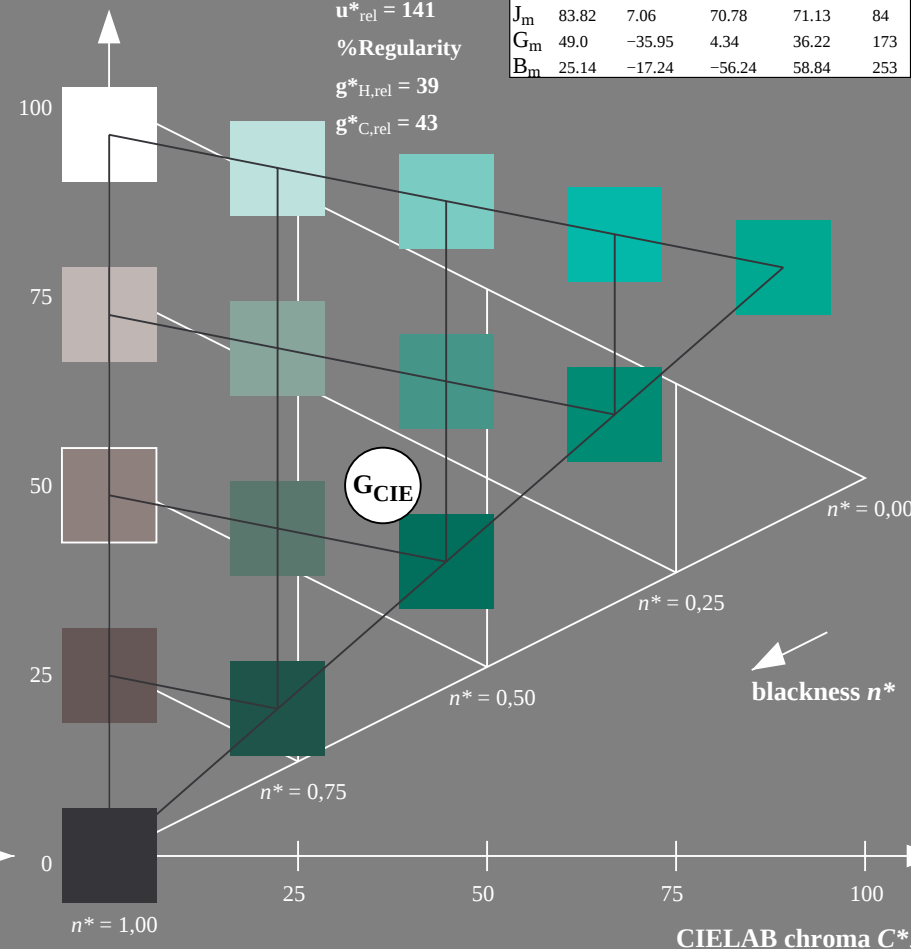
%Regularity

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _m	65.56	73.34	51.39	89.55	35
Y _m	94.78	-3.49	52.24	52.36	94
L _m	77.48	-92.97	36.0	99.71	159
C _m	78.36	-82.69	-22.74	85.77	195
V _m	12.55	38.81	-114.81	121.2	289
M _m	66.71	76.08	-29.8	81.71	339
N _m	0.01	0.0	0.0	0.0	0
W _m	95.41	0.0	0.0	0.0	0
R _m	47.79	61.74	42.56	74.99	35
J _m	83.82	7.06	70.78	71.13	84
G _m	49.0	-35.95	4.34	36.22	173
B _m	25.14	-17.24	-56.24	58.84	253



5 step scales for constant CIELAB hue 173/360 = 0.481 (right)

input: $cmY0^* setcmykcolor$

output: no change compared to input



Input: Colorimetric Offset Reflective System ORS18

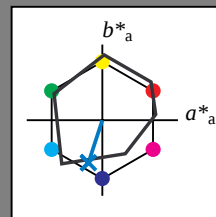
for hue $h^* = lab^*h = 252/360 = 0.7$

*lab*tch* and *lab*nch*

D65: hue B

LCH*Ma: 40 55 252

olv*Ma: 0.0 0.56 1.0



ORS18; adapted (a) CIELAB data

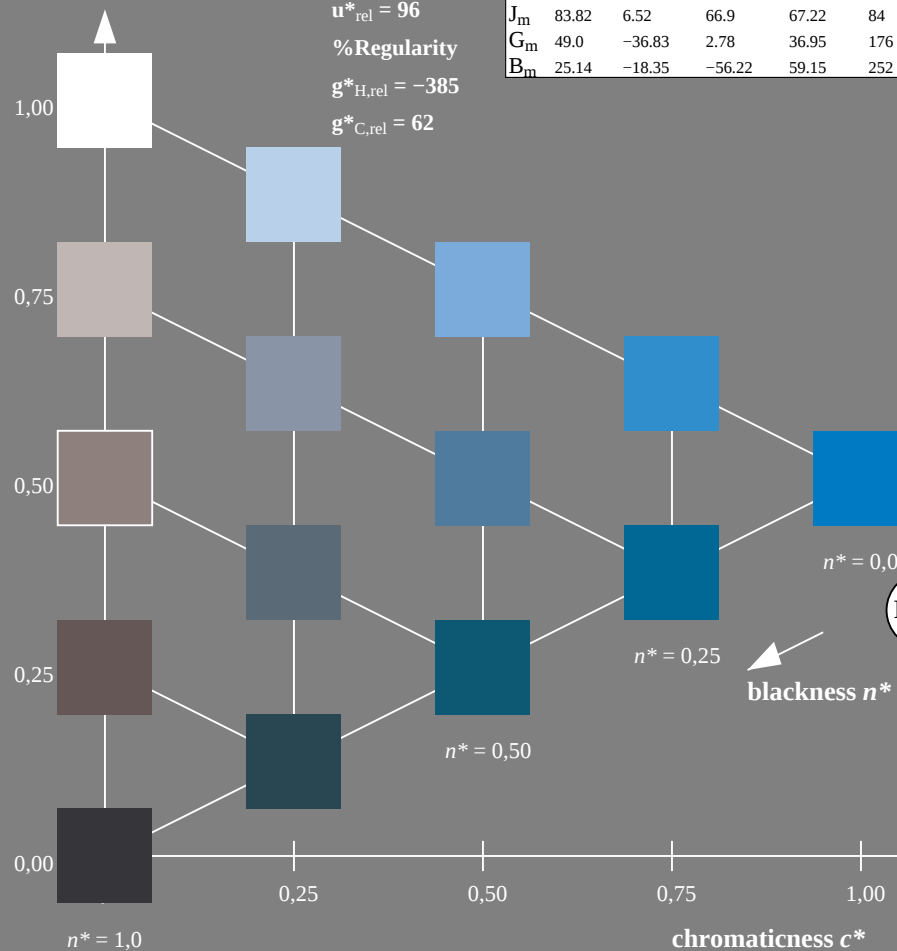
	$L^* = L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	h_{ab}^*
Q_m	47.94	64.42	50.58	81.9	38
Y_m	92.62	2.41	86.36	86.39	88
L_m	50.9	-63.82	35.02	72.81	151
C_m	51.25	-53.68	-57.69	78.82	227
V_m	25.72	30.34	-44.37	53.76	304
M_m	56.25	70.59	7.57	70.99	6
N_m	18.11	0.0	0.0	0.0	0
W_m	95.6	0.0	0.0	0.0	0
R_m	47.79	60.85	41.08	73.41	34
J_m	83.82	6.52	66.9	67.22	84
G_m	49.0	-36.83	2.78	36.95	176
B_m	25.14	-18.35	-56.22	59.15	252

triangle lightness t^*

% Gamut

$$\mathbf{u}_{rel}^* = 96$$

%Regularity

$$g^*_{H,rel} = -385$$
$$g^*_{C,rel} = 62$$


SE200-7, 5 step scales for constant CIELAB hue 252/360 = 0.7 (left)

Output: Colorimetric Television Luminous System TLS00

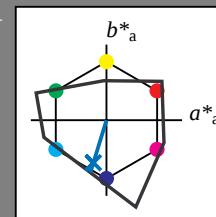
for hue $h^* = lab^*h = 253/360 = 0.703$

*LAB*LCH, LAB*NCH*

D65: hue B

LCH*Ma: 45 72 253

olv*Ma: 0.0 0.49 1.0

**TLS00; adapted (a) CIELAB data**

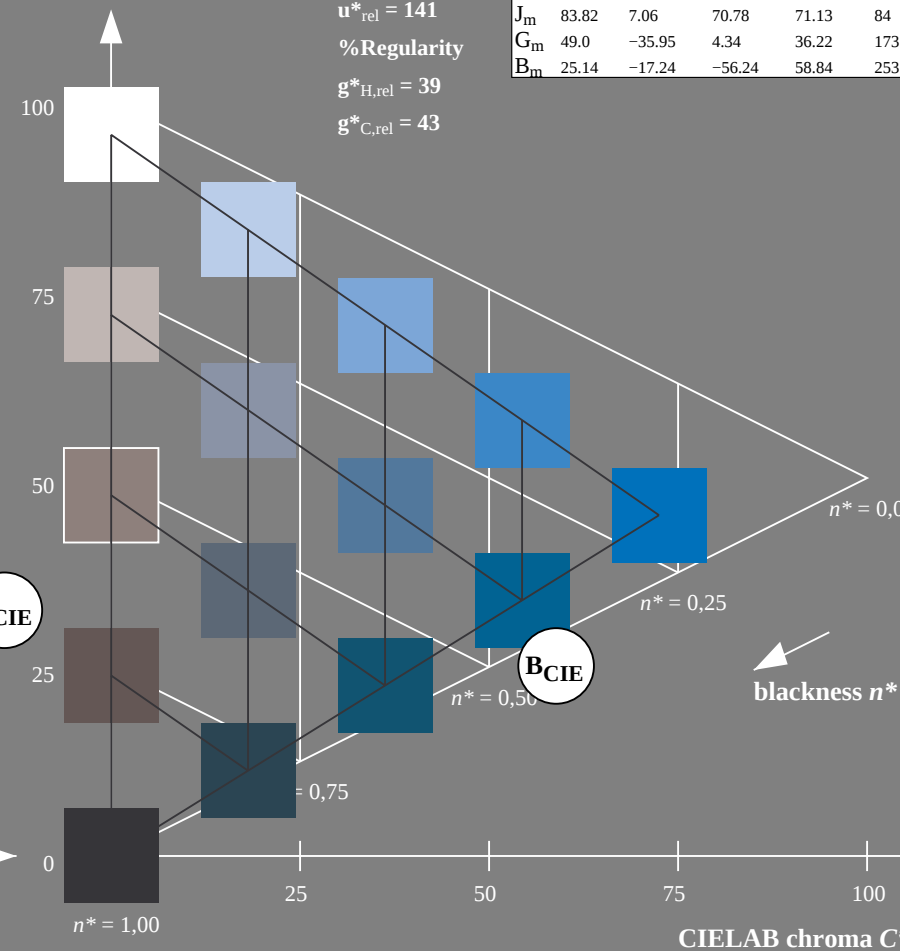
	$L^*_{\text{a}} = L^*_{\text{a}}$	a^*_{a}	b^*_{a}	$C^*_{\text{ab,a}}$	h^*_{ab}
O_{m}	65.56	73.34	51.39	89.55	35
Y_{m}	94.78	-3.49	52.24	52.36	94
L_{m}	77.48	-92.97	36.0	99.71	159
C_{m}	78.36	-82.69	-22.74	85.77	195
V_{m}	12.55	38.81	-114.81	121.2	289
M_{m}	66.71	76.08	-29.8	81.71	339
N_{m}	0.01	0.0	0.0	0.0	0
W_{m}	95.41	0.0	0.0	0.0	0
R_{m}	47.79	61.74	42.56	74.99	35
J_{m}	83.82	7.06	70.78	71.13	84
G_{m}	49.0	-35.95	4.34	36.22	173
B_{m}	25.14	-17.24	-56.24	58.84	253

CIELAB lightness L^*

%Gamut

$$\mathbf{u}_{rel}^* = 14$$

%Regularity

$$g^*_{H,rel} = 39$$
$$g^*_{C,rel} = 43$$


5 step scales for constant CIELAB hue 253/360 = 0.703 (right)

BAM-test chart SE20: Colorimetric systems ORS18 & TLS00

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

```
input: cmv0* setcmvcolor
```

output: *no change compared to input*