

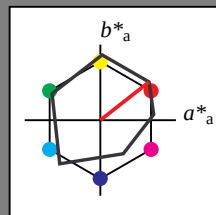
Input: Colorimetric Offset Reflective System ORS18

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

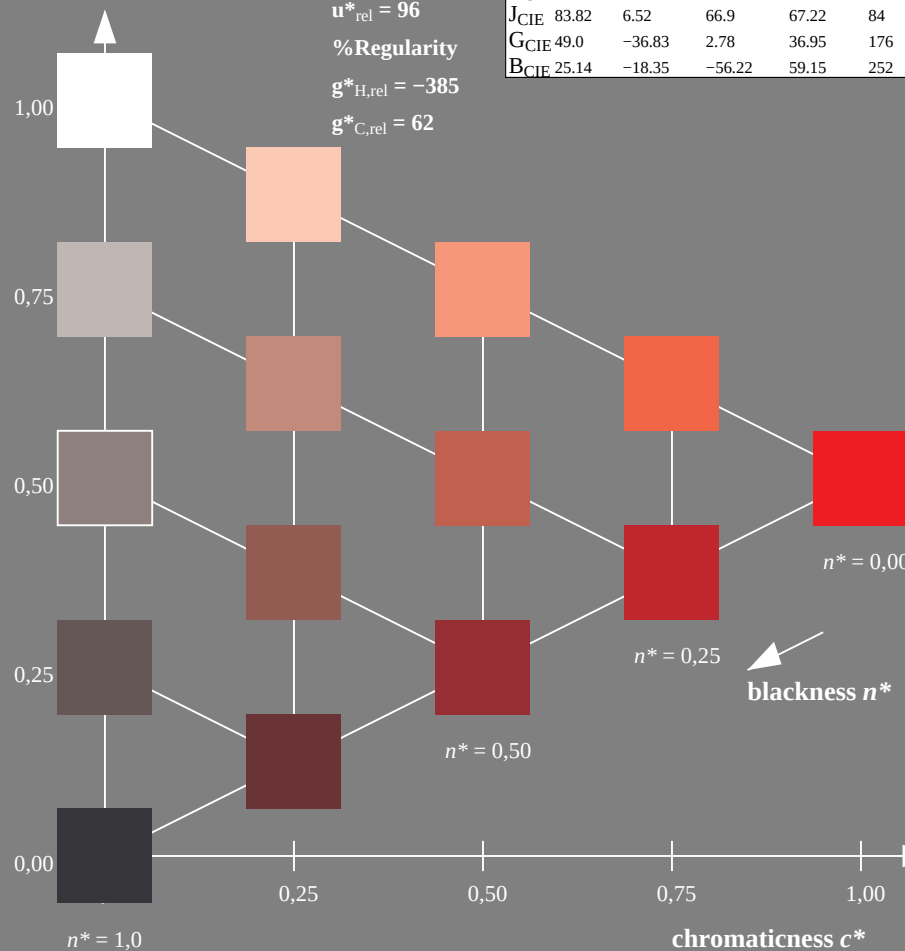
 $u^*_{rel} = 96$

%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 CIE LAB hue 38/360 = 0.106 (left)

BAM-test chart SE20; Colorimetric systems ORS18 & ORS18

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

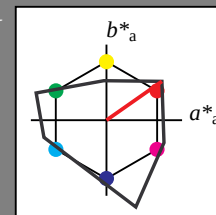
Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab \cdot h = 35/360 = 0.097$ $LAB \cdot LCH$, $LAB \cdot NCH$

D65: hue O

LCH*Ma: 66 90 35

olv*Ma: 1.0 0.0 0.0

CIE LAB lightness L^* 

%Gamut

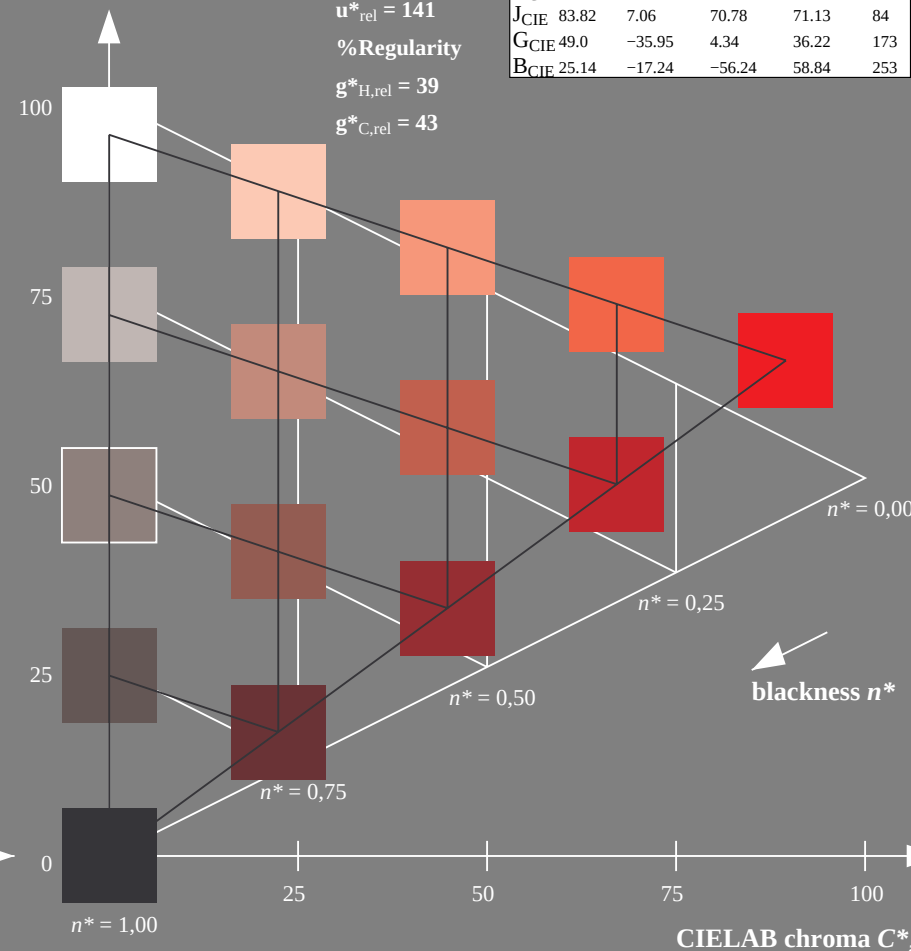
 $u^*_{rel} = 141$

%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 CIE LAB hue 35/360 = 0.097 (right)

input: $cmY0^* setcmykcolor$

output: Startup (S) data depend

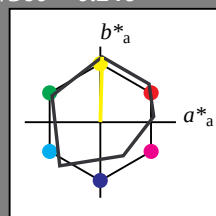
Input: Colorimetric Offset Reflective System ORS18

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

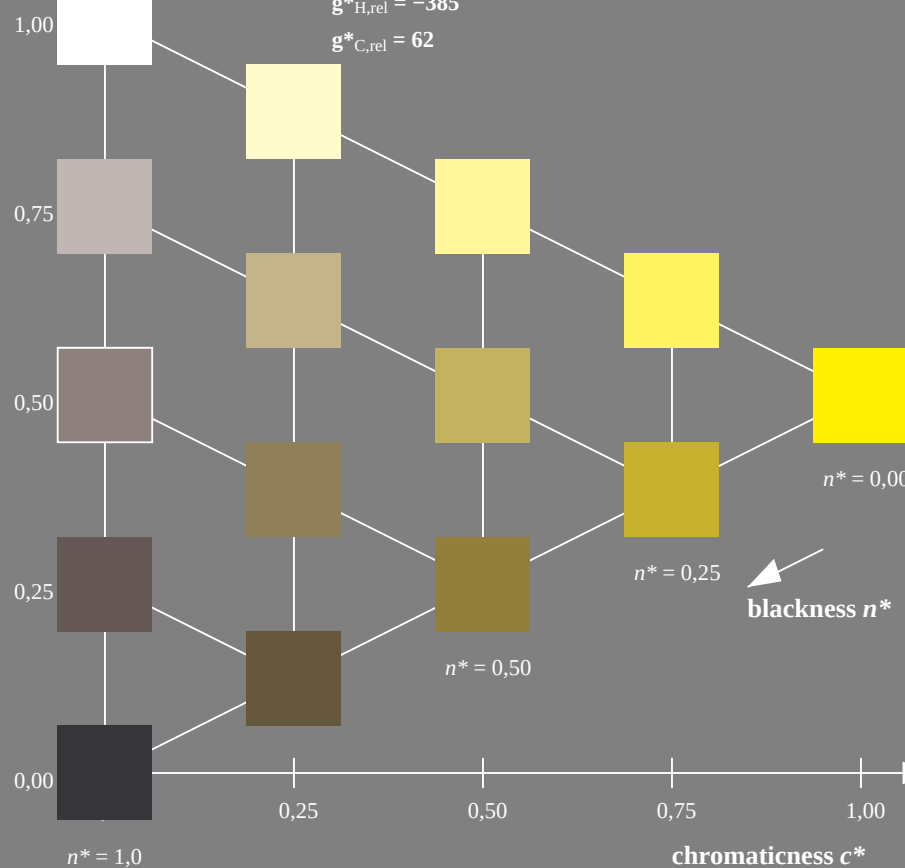
 $u^*_{rel} = 96$

%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 CIE LAB hue 88/360 = 0.246 (left)

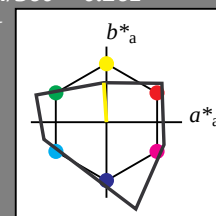
Output: Colorimetric Television Luminous System TLS00

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

CIE LAB lightness L^* 

%Gamut

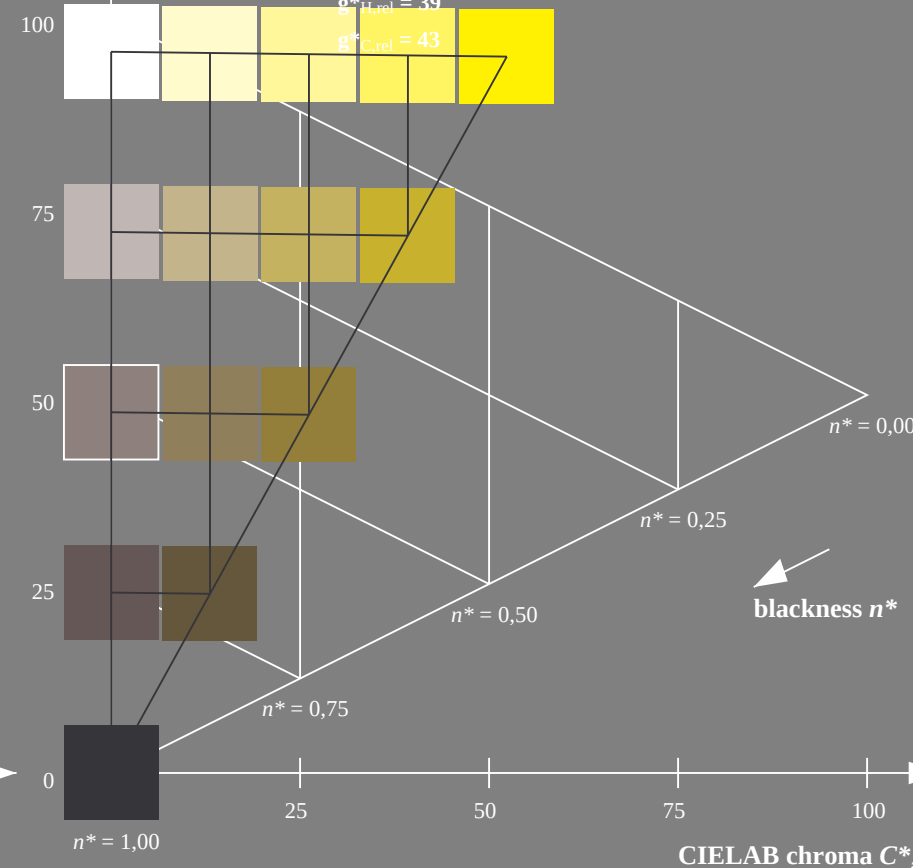
 $u^*_{rel} = 141$

%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 CIE LAB hue 94/360 = 0.261 (right)

BAM-test chart SE20; Colorimetric systems ORS18 & ORS18

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

input: $cmY0^*$ setcmykcolor

output: Startup (S) data dependend

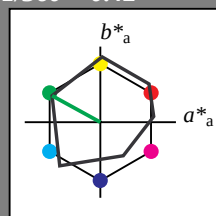
Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab \cdot h = 151/360 = 0.42$ $lab \cdot tch$ and $lab \cdot nch$

D65: hue L

LCH*Ma: 51 73 151

olv*Ma: 0.0 1.0 0.0

triangle lightness t^* 

%Gamut

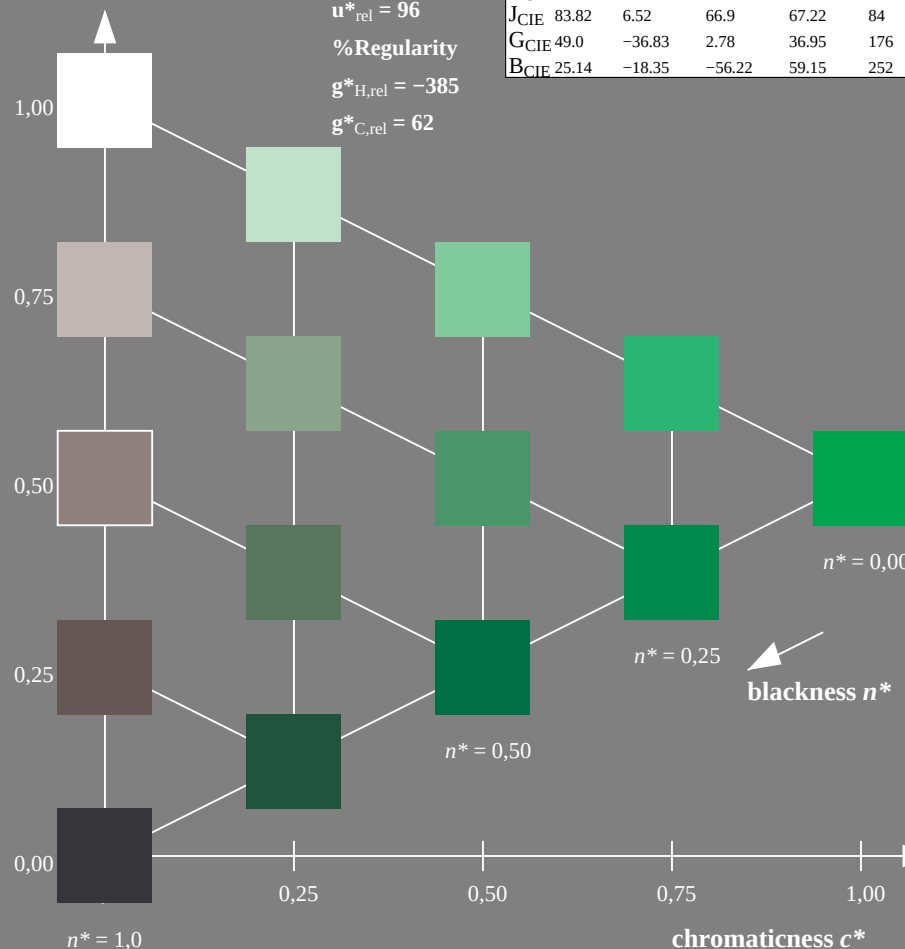
 $u^*_{rel} = 96$

%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 CIE LAB hue 151/360 = 0.42 (left)

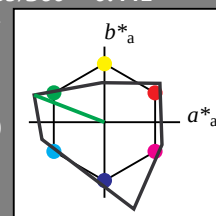
Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab \cdot h = 159/360 = 0.441$ $LAB \cdot LCH$, $LAB \cdot NCH$

D65: hue L

LCH*Ma: 77 100 159

olv*Ma: 0.0 1.0 0.0

CIE LAB lightness L^* 

%Gamut

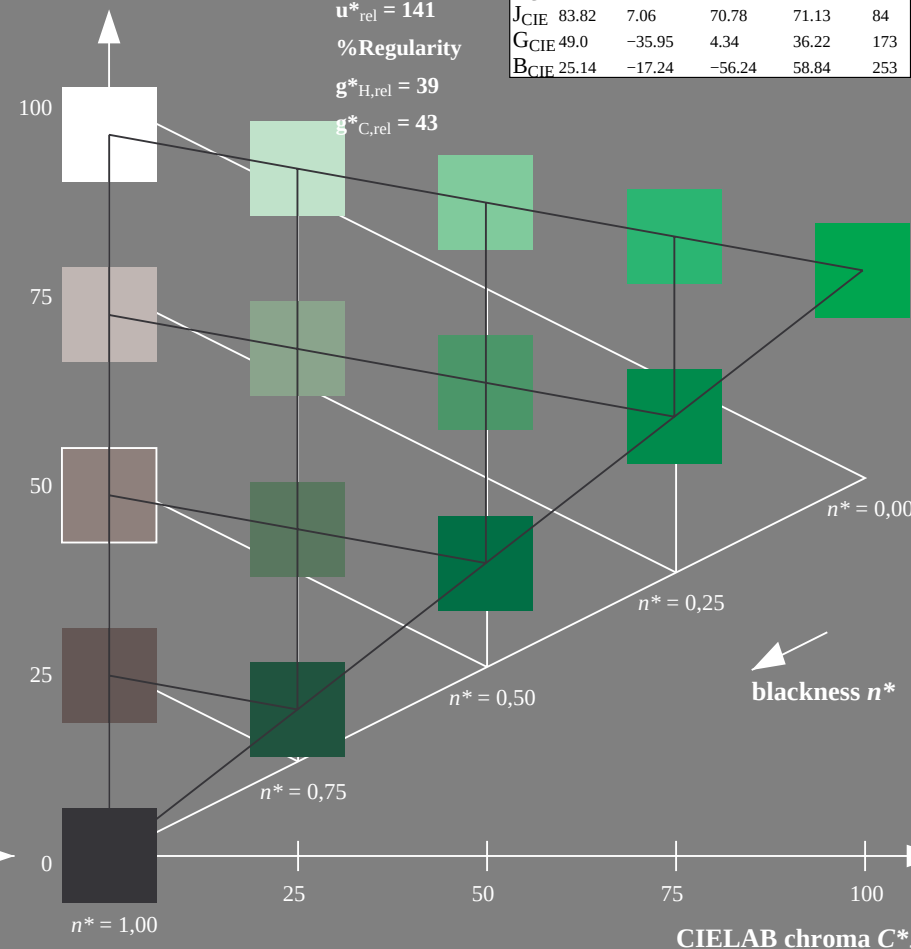
 $u^*_{rel} = 141$

%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 CIE LAB hue 159/360 = 0.441 (right)

BAM-test chart SE20; Colorimetric systems ORS18 & ORS18

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

input: $cmY0^* setcmykcolor$

output: Startup (S) data dependend

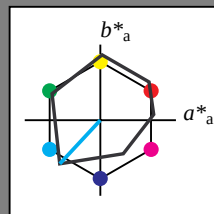
Input: Colorimetric Offset Reflective System ORS18

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

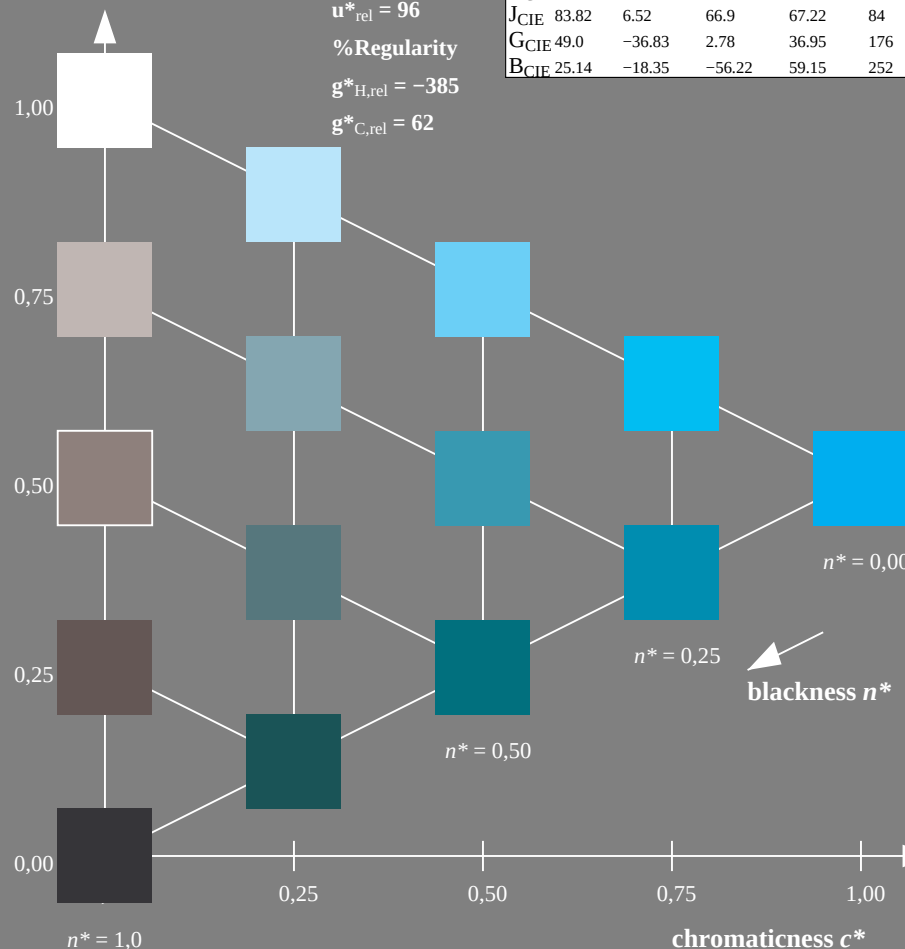
 $u^*_{rel} = 96$

%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



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

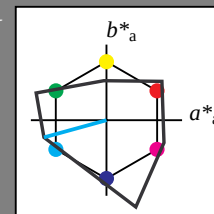
Output: Colorimetric Television Luminous System TLS00

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

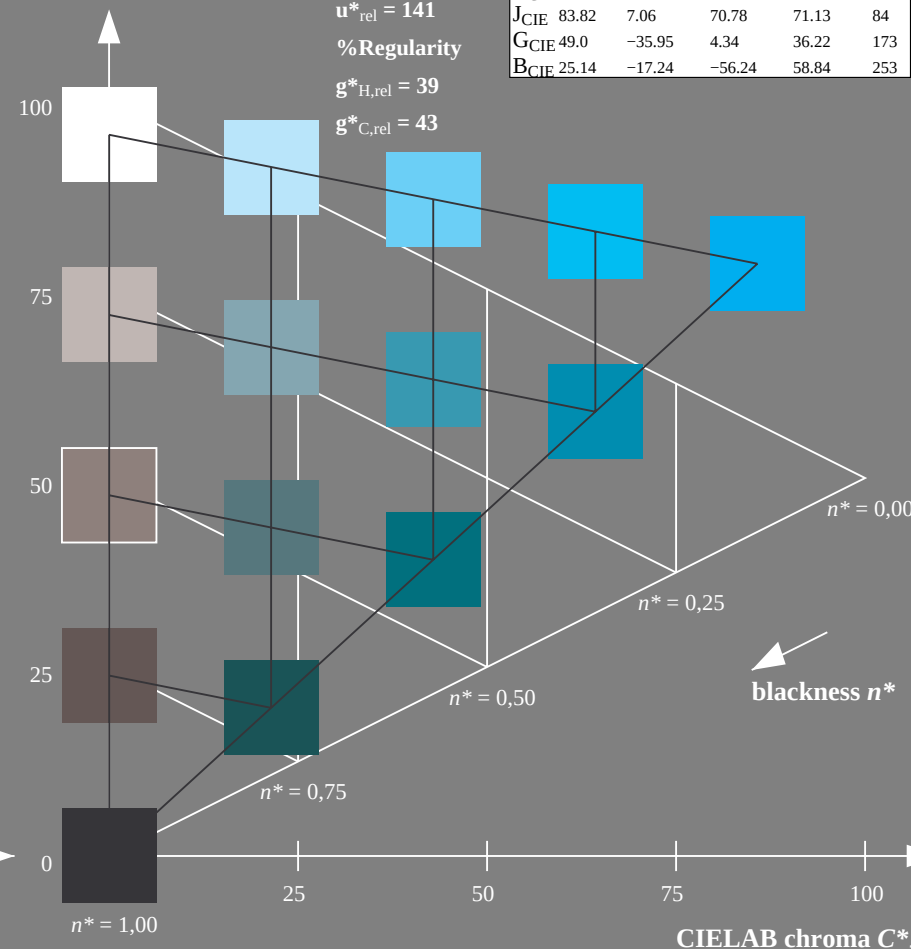
 $u^*_{rel} = 141$

%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



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

BAM-test chart SE20; Colorimetric systems ORS18 & ORS18

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

input: $cmY0^*$ setcmykcolor

output: Startup (S) data depend

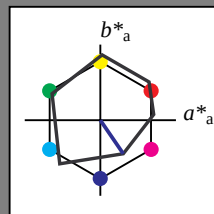
Input: Colorimetric Offset Reflective System ORS18

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

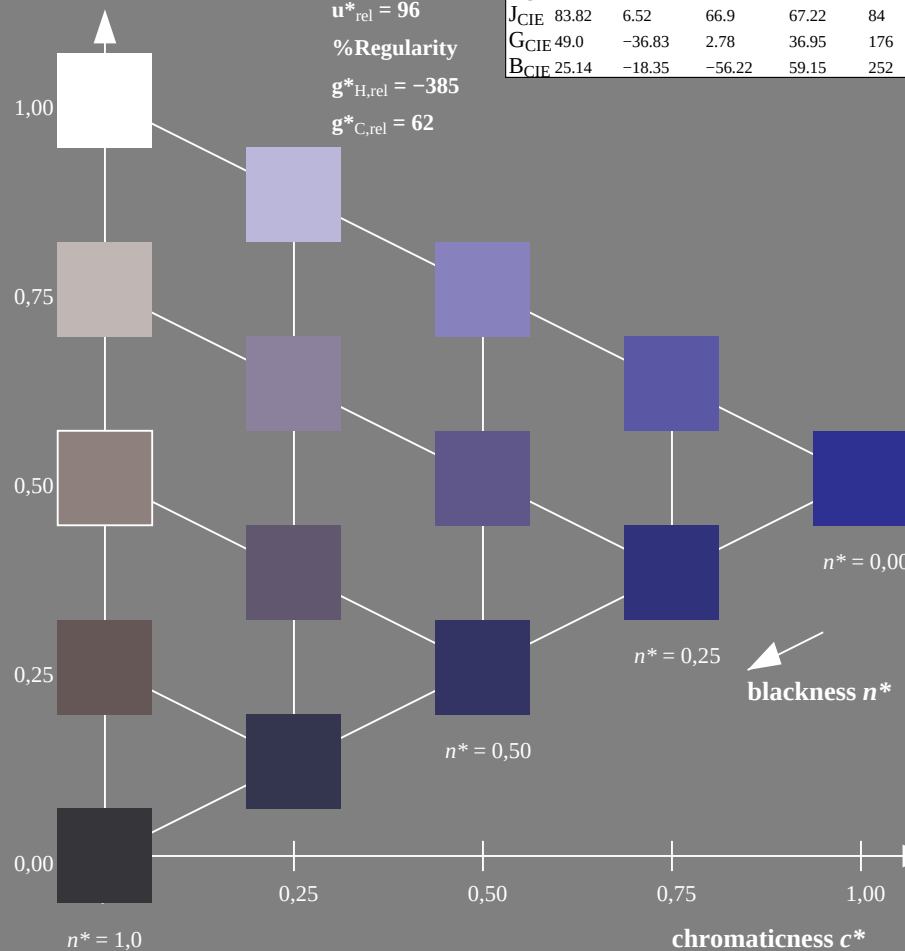
 $u^*_{rel} = 96$

%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)



BAM-test chart SE20; Colorimetric systems ORS18 & ORS18

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

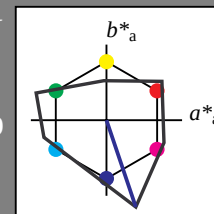
Output: Colorimetric Television Luminous System TLS00

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

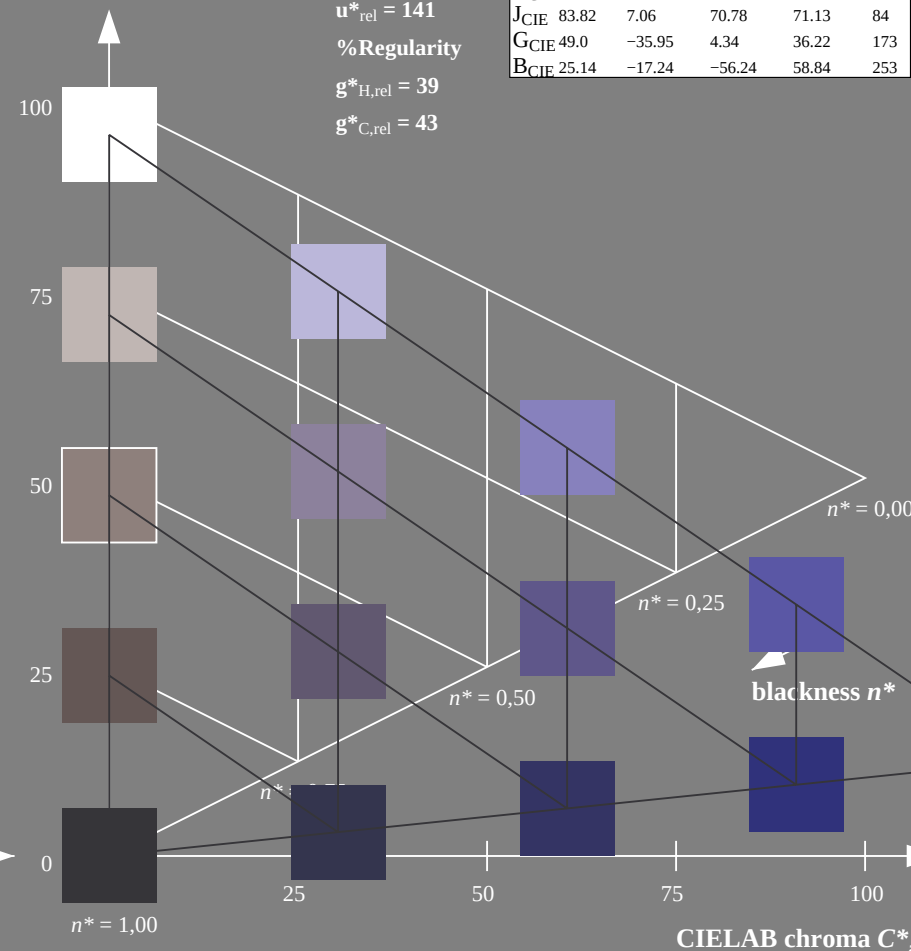
 $u^*_{rel} = 141$

%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)

input: $cmY0^* setcmykcolor$

output: Startup (S) data dependend



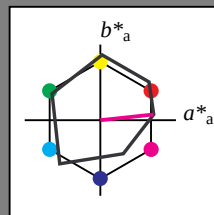
Input: Colorimetric Offset Reflective System ORS18

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

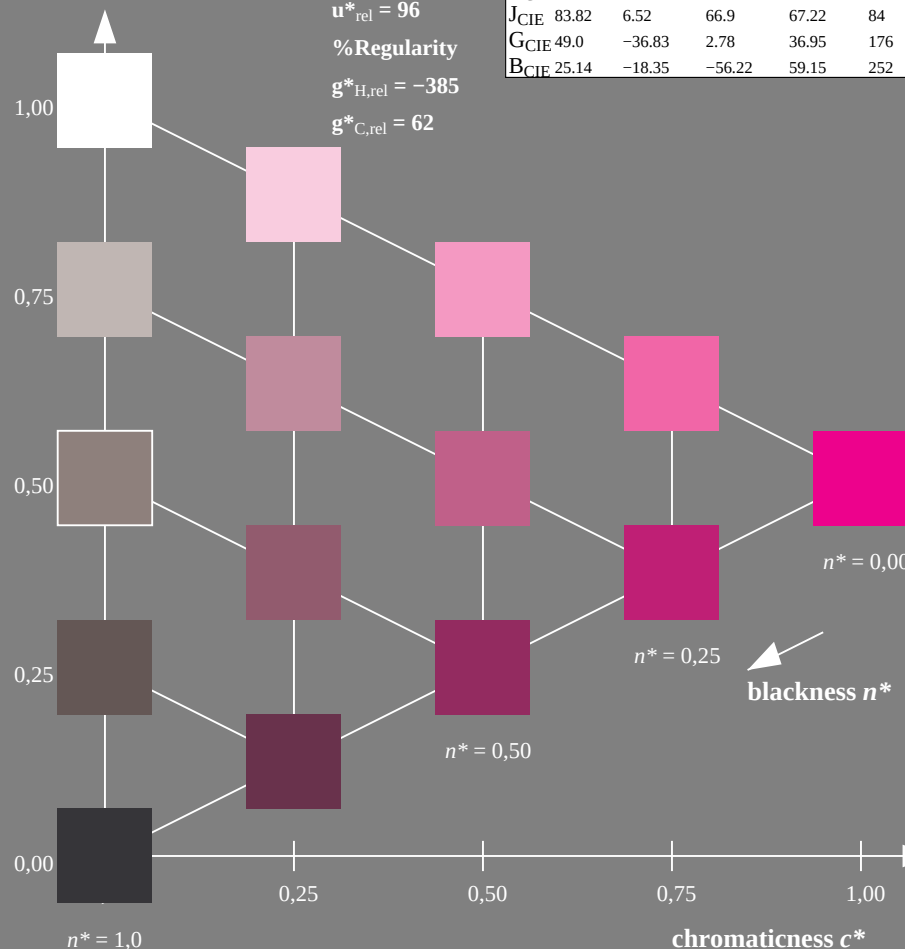
 $u^*_{rel} = 96$

%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 CIE LAB hue 6/360 = 0.017 (left)

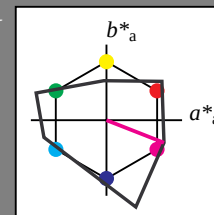
Output: Colorimetric Television Luminous System TLS00

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

CIE LAB lightness L^* 

%Gamut

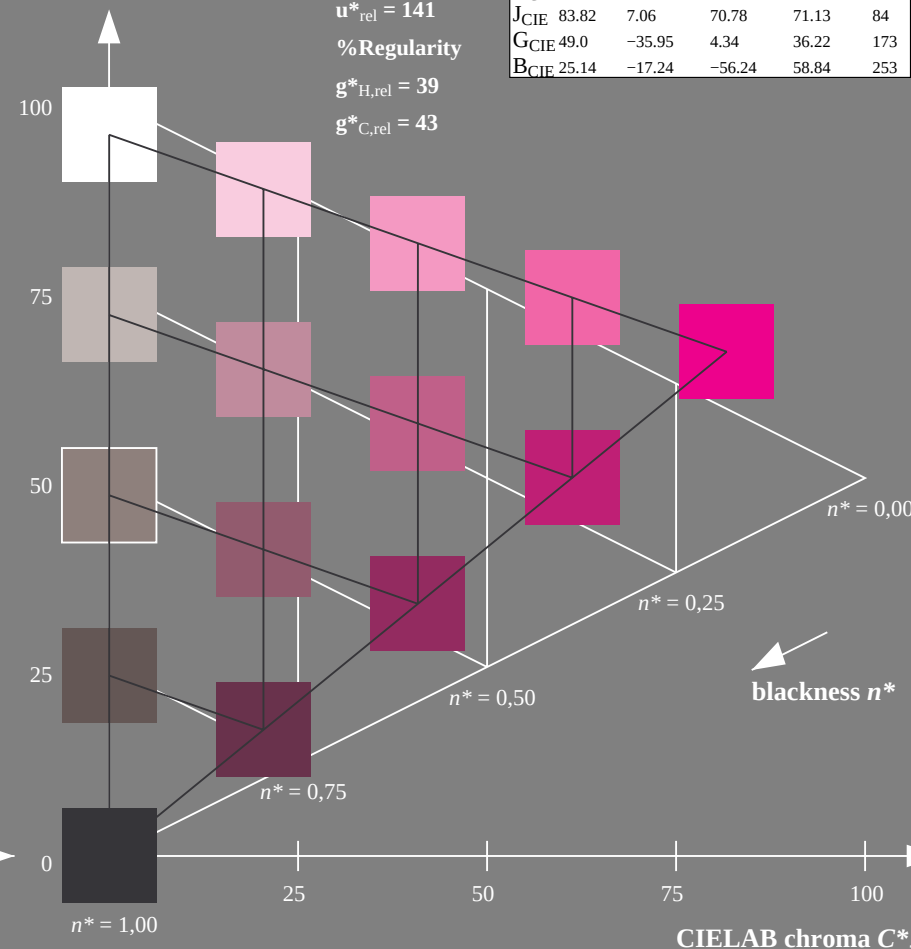
 $u^*_{rel} = 141$

%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 CIE LAB hue 339/360 = 0.941 (right)

BAM-test chart SE20; Colorimetric systems ORS18 & ORS18

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

input: $cmY0^*$ setcmykcolor

output: Startup (S) data dependend

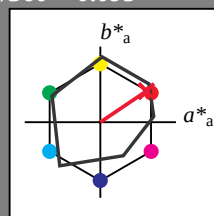
Input: Colorimetric Offset Reflective System ORS18

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

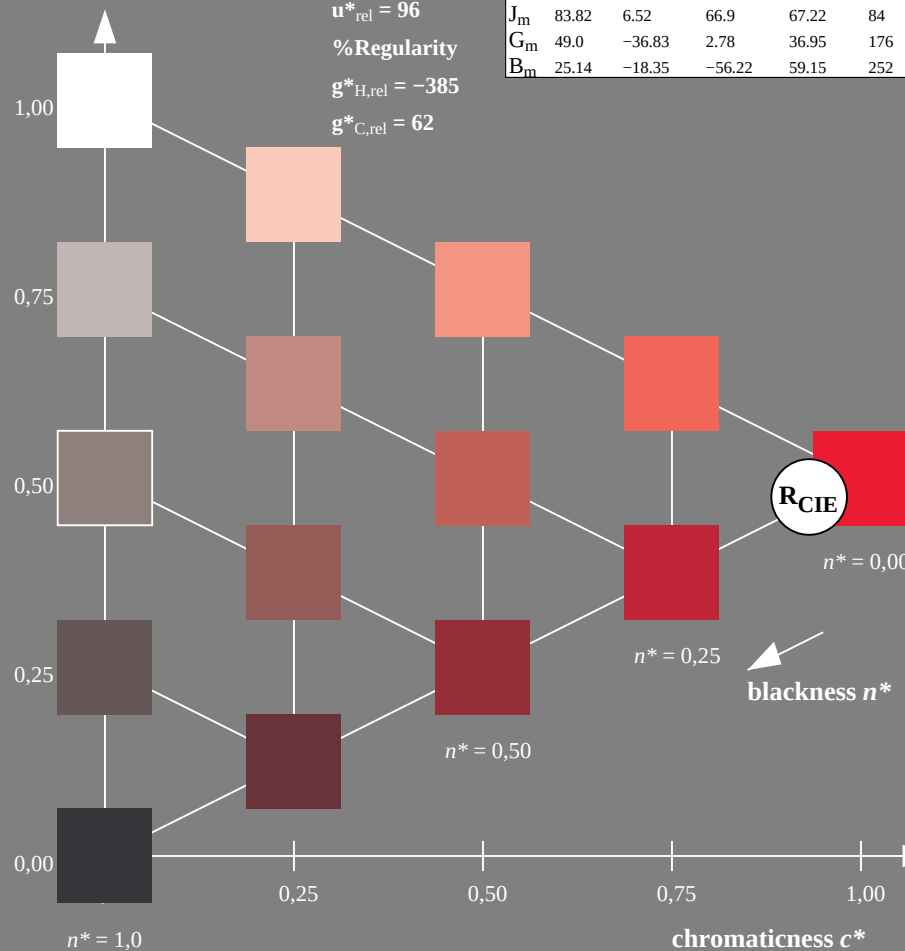
 $u^*_{rel} = 96$

%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 & ORS18

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

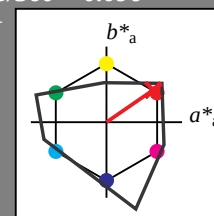
Output: Colorimetric Television Luminous System TLS00

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

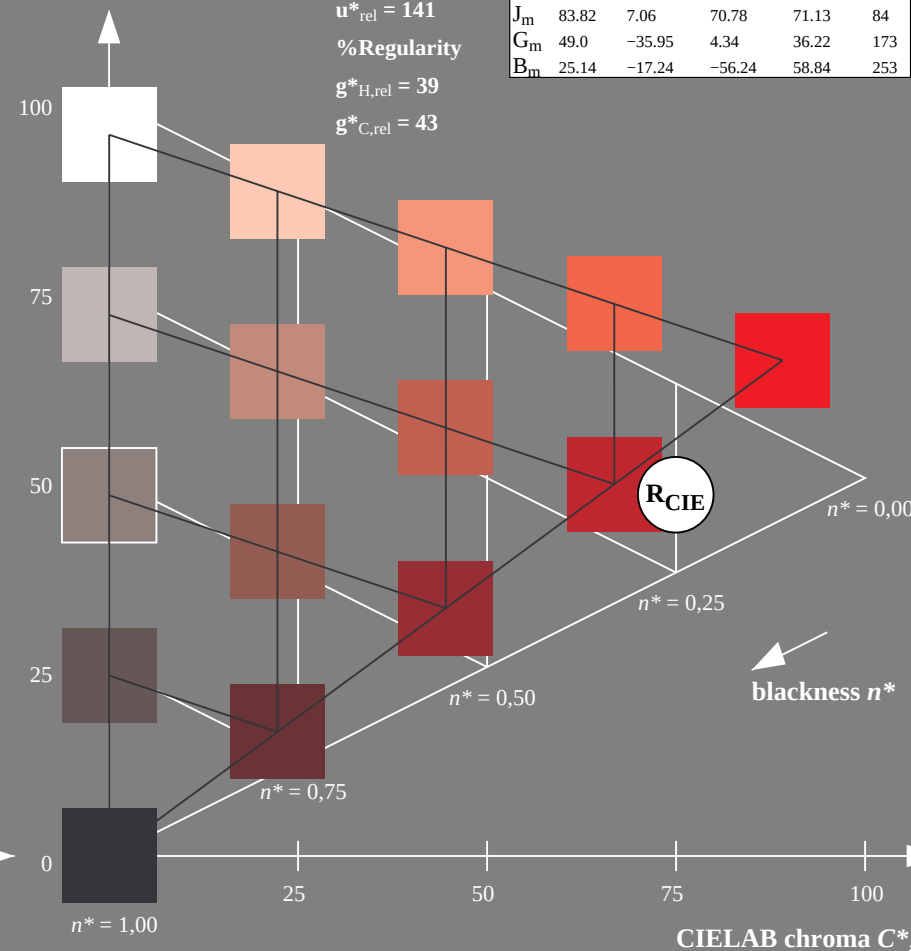
 $u^*_{rel} = 141$

%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: Startup (S) data dependend

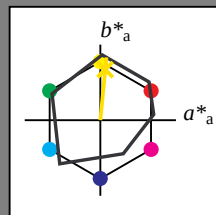
Input: Colorimetric Offset Reflective System ORS18

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

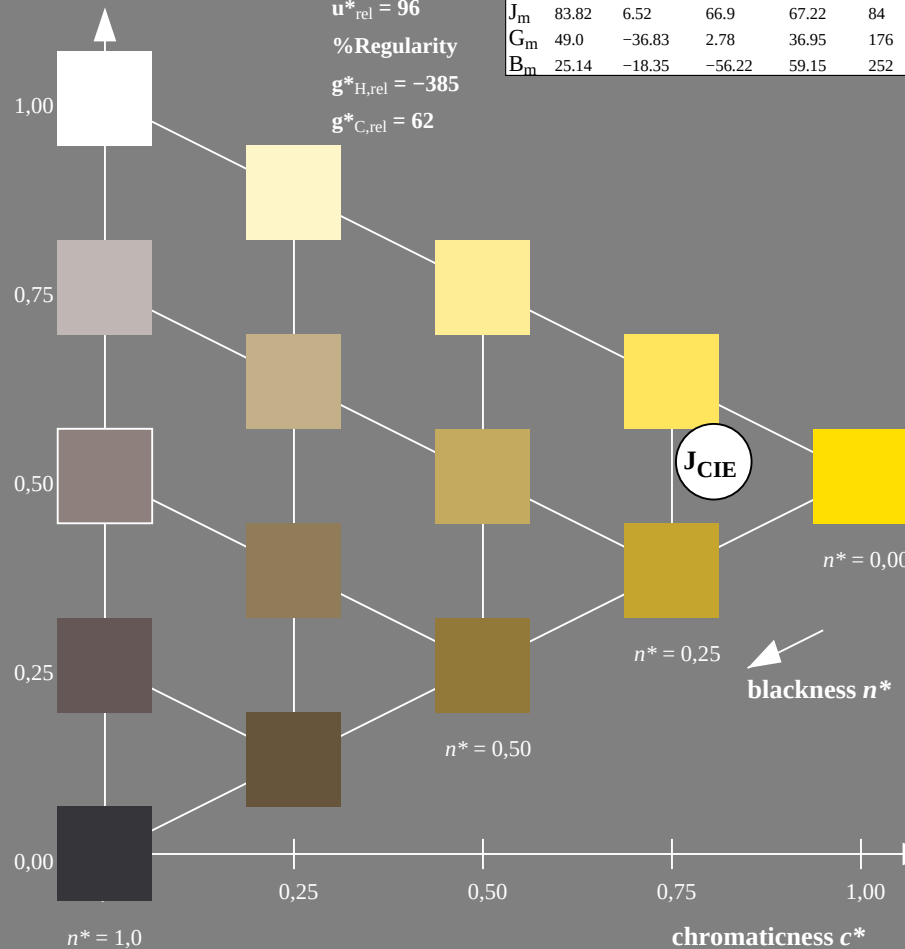
 $u^*_{rel} = 96$

%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 & ORS18

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

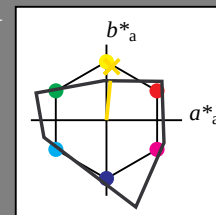
Output: Colorimetric Television Luminous System TLS00

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

CIELAB lightness L^* 

%Gamut

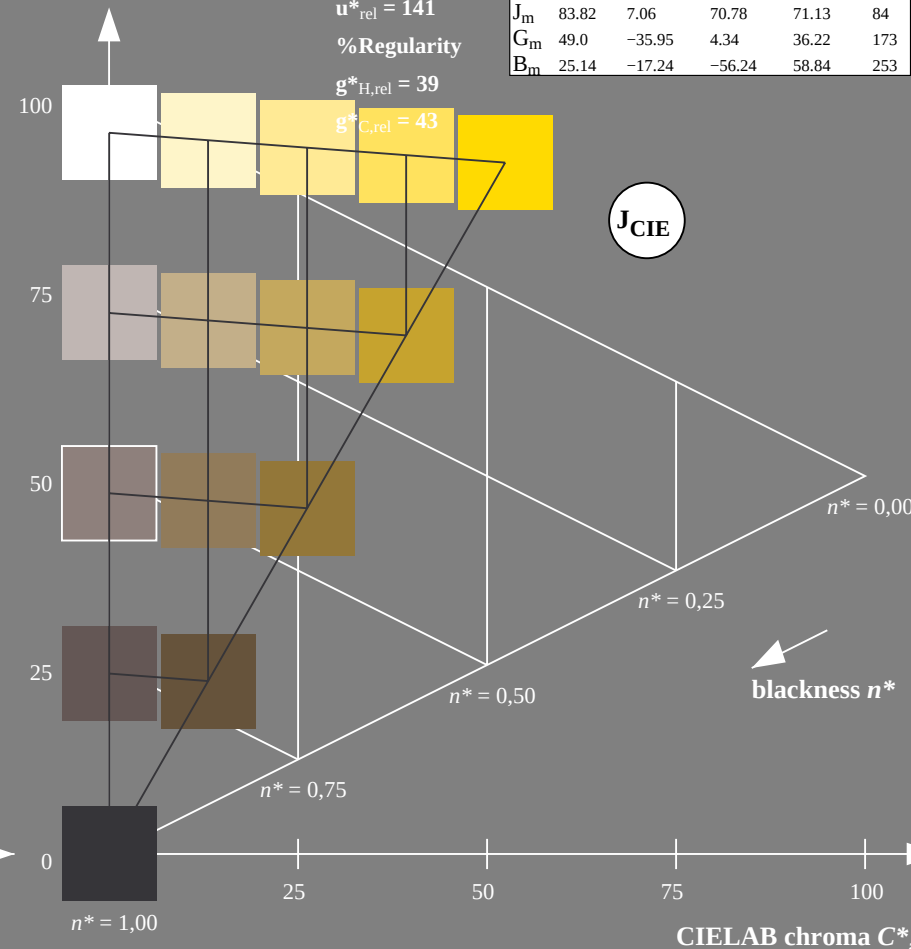
 $u^*_{rel} = 141$

%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 84/360 = 0.234 (right)

input: $cmY0^*$ set $cmYkcolor$

output: Startup (S) data dependend



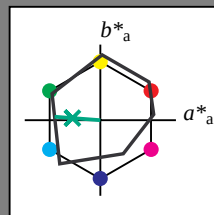
Input: Colorimetric Offset Reflective System ORS18

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

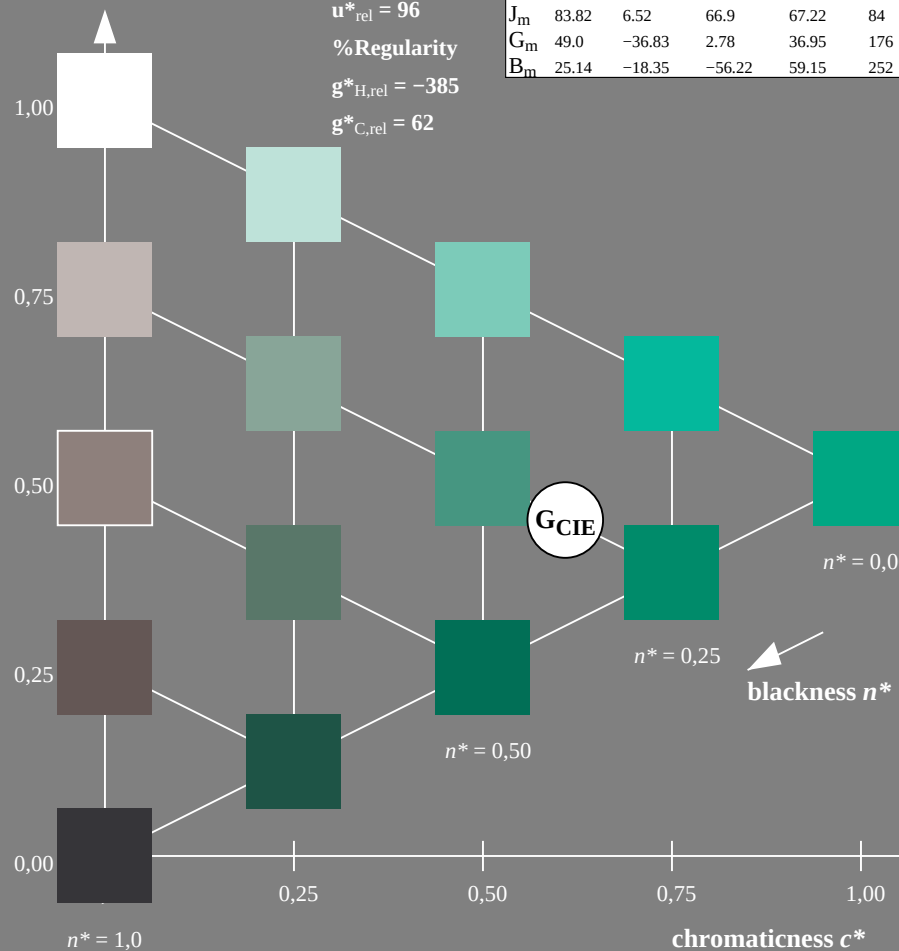
 $u^*_{rel} = 96$

%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)

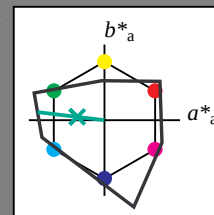
Output: Colorimetric Television Luminous System TLS00

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

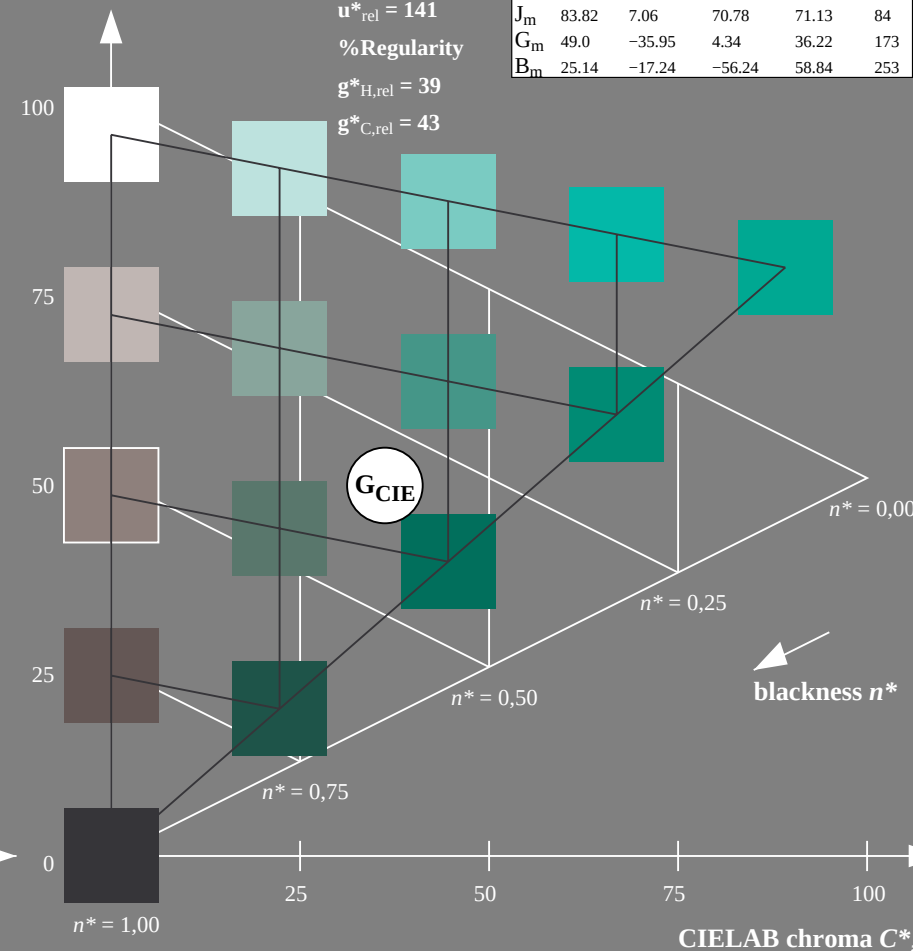
 $u^*_{rel} = 141$

%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)

BAM-test chart SE20; Colorimetric systems ORS18 & ORS18

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

input: $cmY0^*$ setcmykcolor

output: Startup (S) data dependend

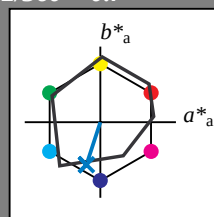
Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab \cdot h = 252/360 = 0.7$ $lab \cdot tch$ and $lab \cdot nch$

D65: hue B

LCH*Ma: 40 55 252

olv*Ma: 0.0 0.56 1.0

triangle lightness t^* 

%Gamut

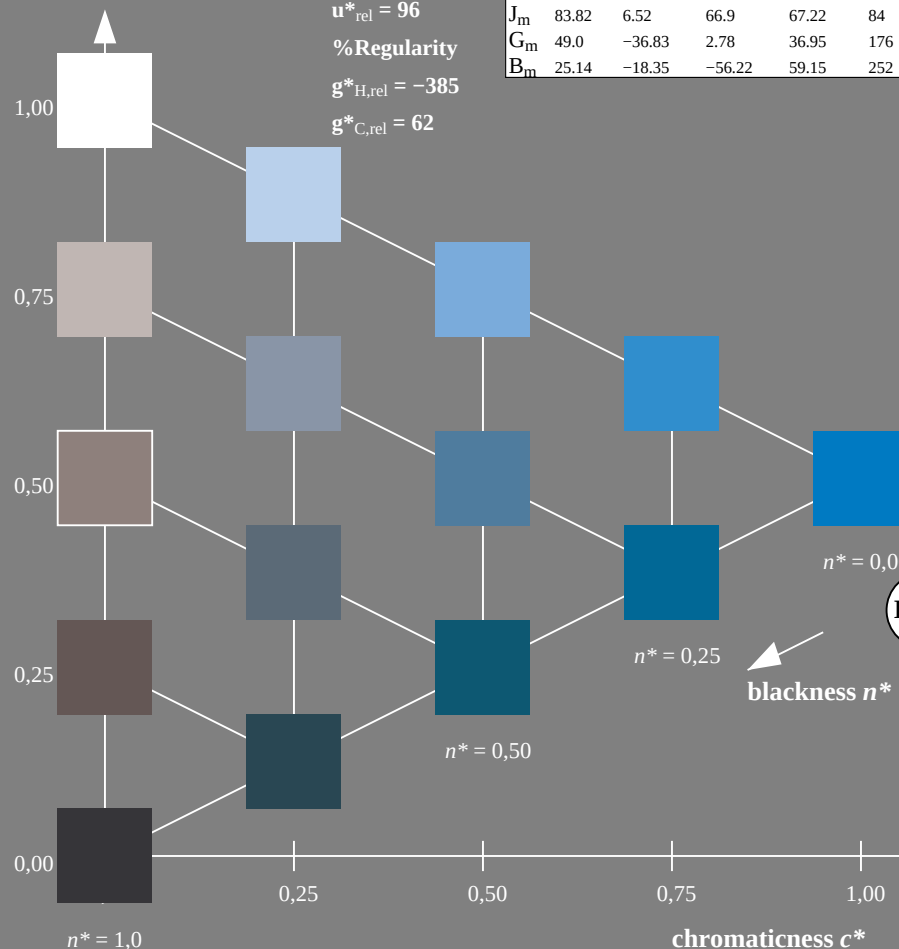
 $u^*_{rel} = 96$

%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_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 252/360 = 0.7 (left)

BAM-test chart SE20; Colorimetric systems ORS18 & ORS18

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

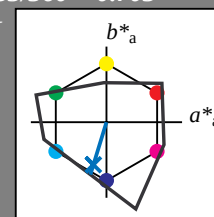
Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab \cdot h = 253/360 = 0.703$ $LAB \cdot LCH$, $LAB \cdot NCH$

D65: hue B

LCH*Ma: 45 72 253

olv*Ma: 0.0 0.49 1.0

CIELAB lightness L^* 

%Gamut

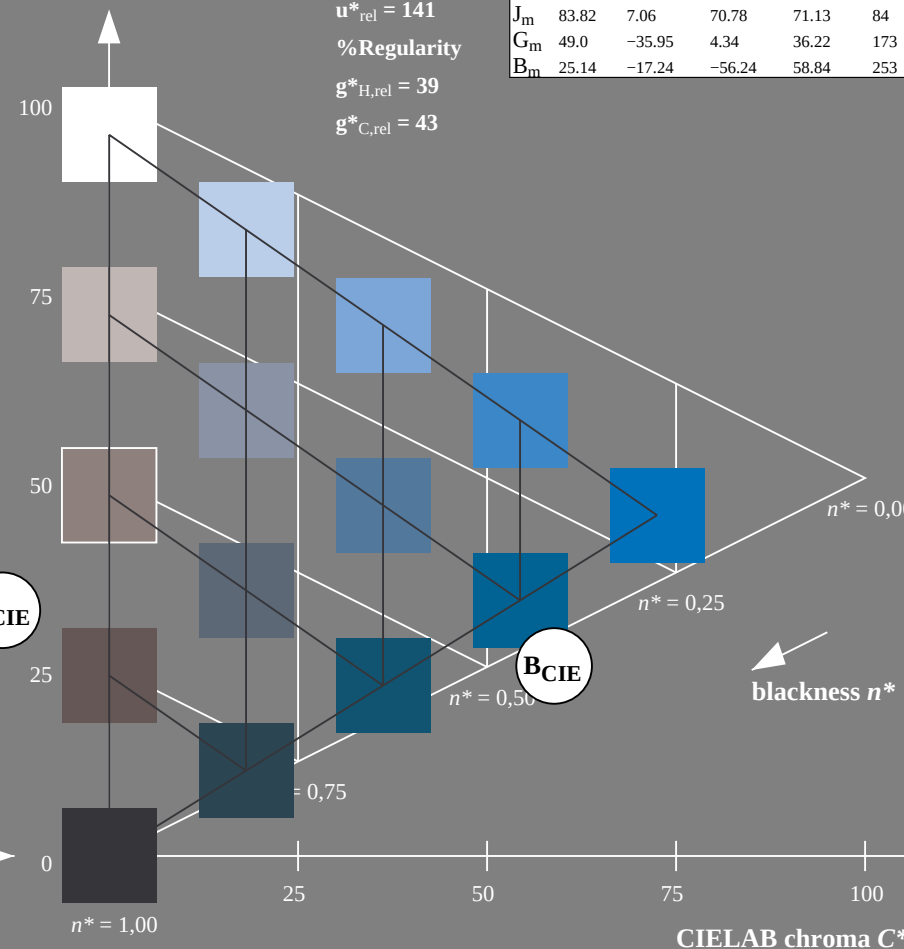
 $u^*_{rel} = 141$

%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_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 253/360 = 0.703 (right)

input: $cmY0^*$ setcmykcolor

output: Startup (S) data dependend