

Input: Colorimetric Offset Reflective System ORS18

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

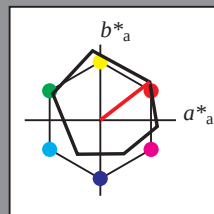
$lab \cdot tch$ and $lab \cdot nch$

D65: hue O

LCH*Ma: 48 83 38

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 93$

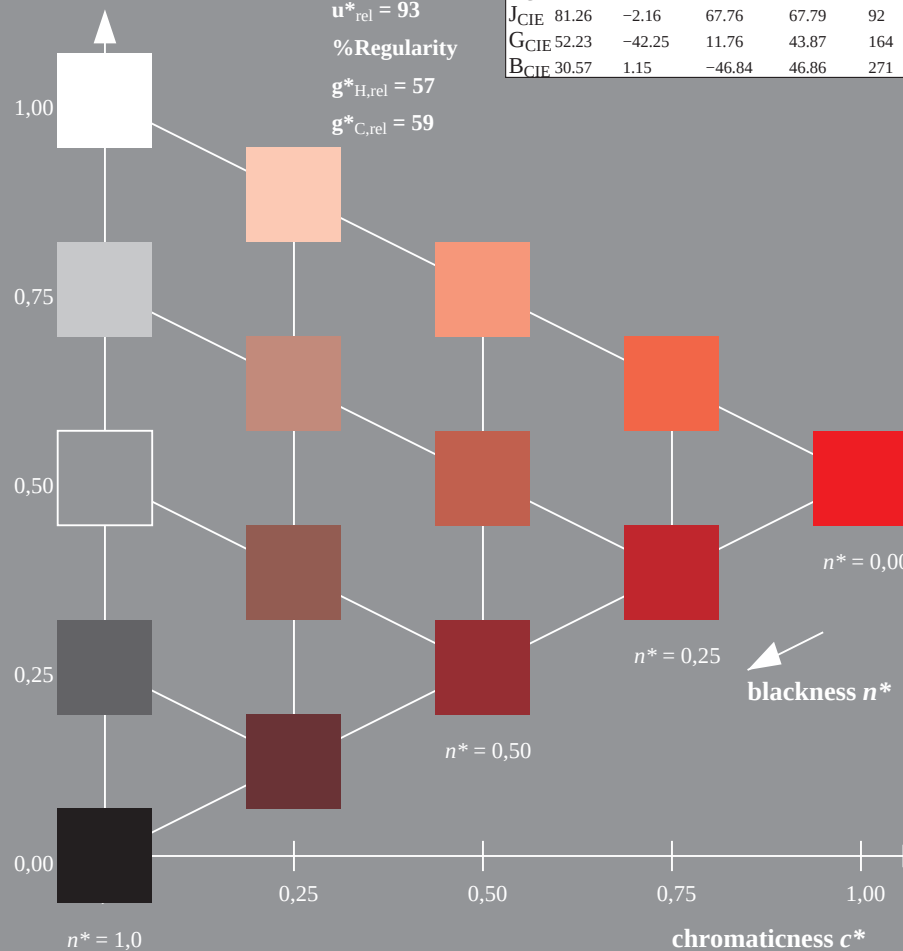
%Regularity

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

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

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



OE220-7, 5 step scales for constant CIELAB hue 38/360 = 0.105 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab \cdot h = 30/360 = 0.083$

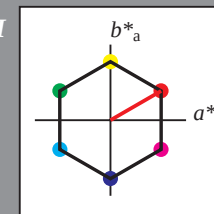
$LAB \cdot LCH$, $LAB \cdot NCH$

D65: hue O

LCH*Ma: 57 77 30

olv*Ma: 1.0 0.0 0.0

CIELAB lightness L^*



%Gamut

$u^*_{rel} = 100$

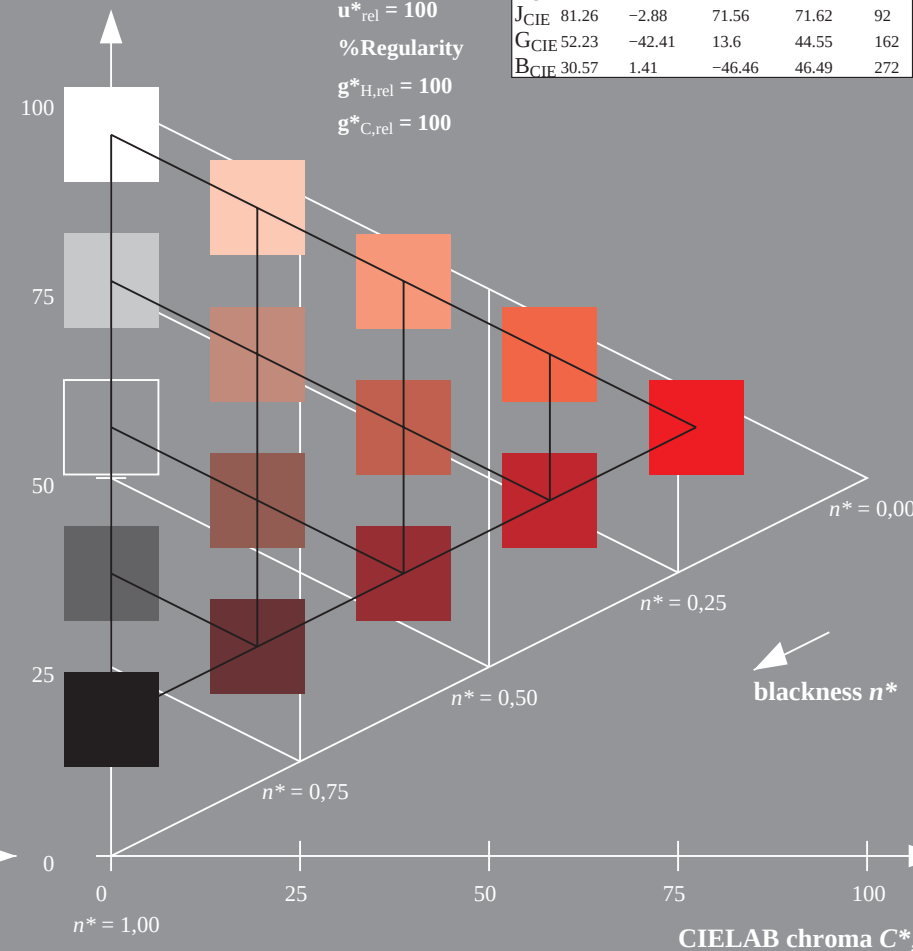
%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_m	56.71	67.03	38.7	77.4	30
Y_m	56.71	0.0	77.4	77.4	90
L_m	56.71	-67.02	38.7	77.4	150
C_m	56.71	-67.02	-38.69	77.4	210
V_m	56.71	0.0	-77.39	77.4	270
M_m	56.71	67.03	-38.69	77.4	330
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	58.74	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



5 step scales for constant CIELAB hue 30/360 = 0.083 (right)

BAM-test chart OE22; Colorimetric systems ORS18 & SRS18

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

input: $cmY0^* \text{ set } cmykcolor$

output: $cmY0^* / 000n^* \text{ set } cmykcolor$

Input: Colorimetric Offset Reflective System ORS18

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

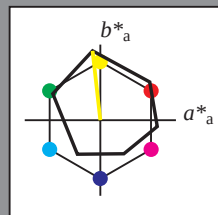
$lab \cdot tch$ and $lab \cdot nch$

D65: hue Y

LCH*Ma: 90 92 96

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

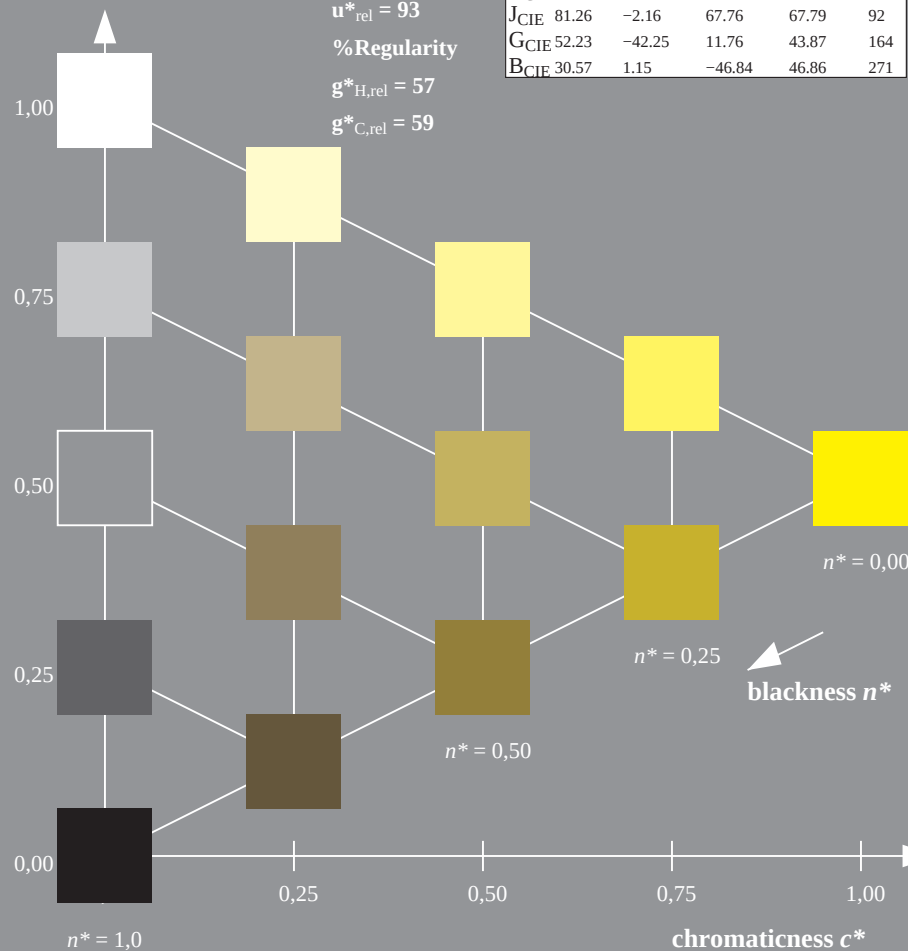
% Regularity

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

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

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



OE220-7, 5 step scales for constant CIELAB hue 96/360 = 0.268 (left)



BAM-test chart OE22; Colorimetric systems ORS18 & SRS18

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

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab \cdot h = 90/360 = 0.25$

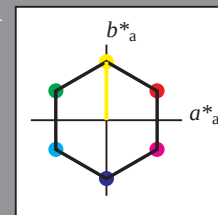
$LAB \cdot LCH$, $LAB \cdot NCH$

D65: hue Y

LCH*Ma: 57 77 90

olv*Ma: 1.0 1.0 0.0

CIELAB lightness L^*



% Gamut

$u^*_{rel} = 100$

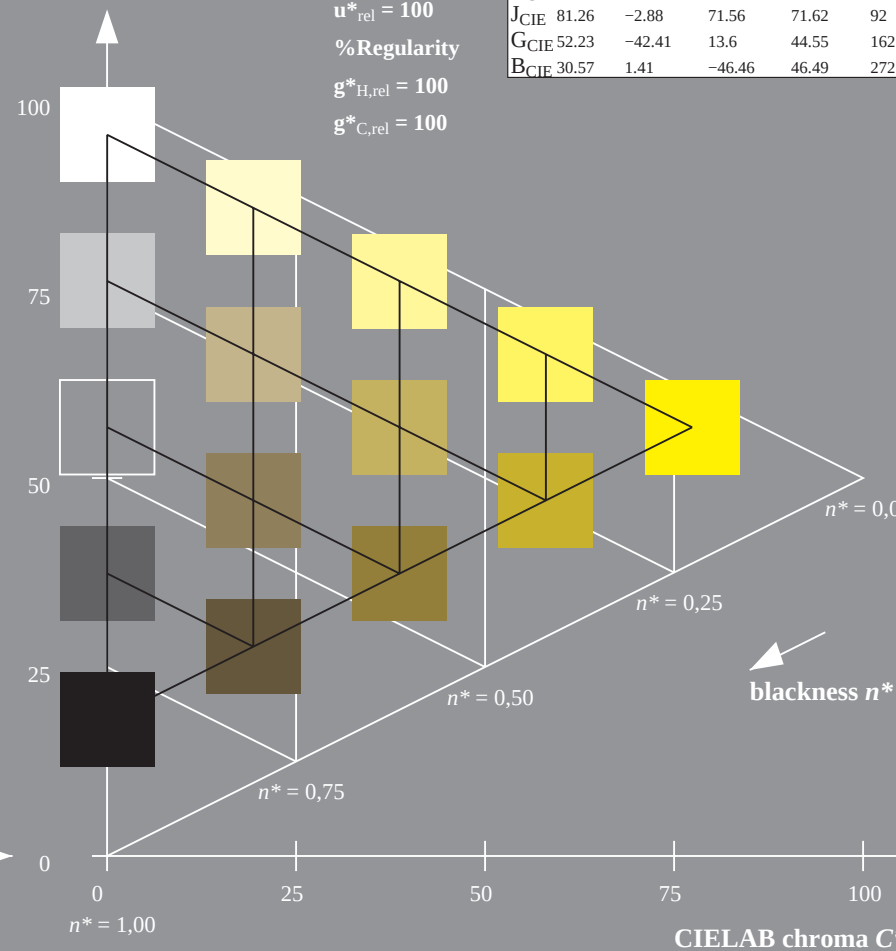
% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_m	56.71	67.03	38.7	77.4	30
Y_m	56.71	0.0	77.4	77.4	90
L_m	56.71	-67.02	38.7	77.4	150
C_m	56.71	-67.02	-38.69	77.4	210
V_m	56.71	0.0	-77.39	77.4	270
M_m	56.71	67.03	-38.69	77.4	330
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	58.74	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



5 step scales for constant CIELAB hue 90/360 = 0.25 (right)

input: $cmY0^* \cdot setcmYcolor$

output: $cmY0^* / 000n^* \cdot setcmYcolor$



Input: Colorimetric Offset Reflective System ORS18

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

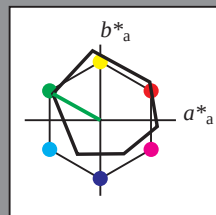
$lab \cdot tch$ and $lab \cdot nch$

D65: hue L

LCH*Ma: 51 72 151

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 93$

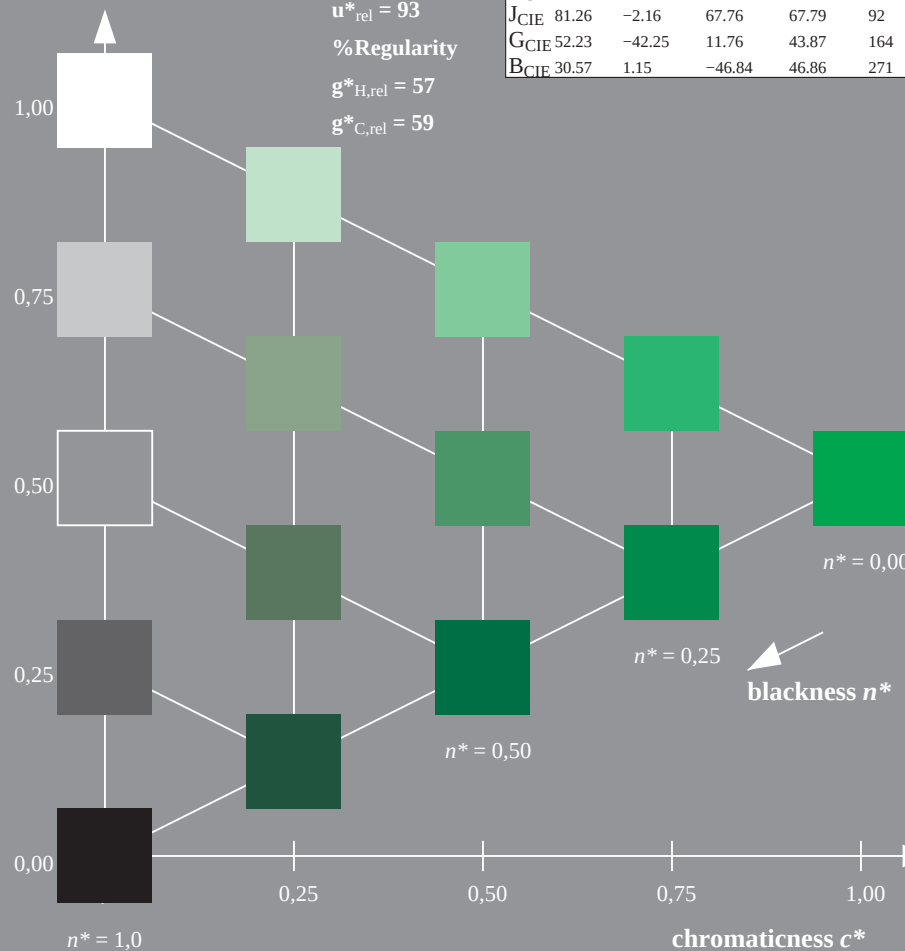
%Regularity

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

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

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



OE220-7, 5 step scales for constant CIELAB hue 151/360 = 0.419 (left)

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab \cdot h = 150/360 = 0.417$

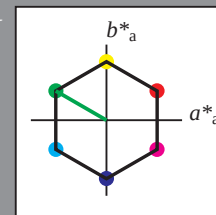
$LAB \cdot LCH$, $LAB \cdot NCH$

D65: hue L

LCH*Ma: 57 77 150

olv*Ma: 0.0 1.0 0.0

CIELAB lightness L^*



%Gamut

$u^*_{rel} = 100$

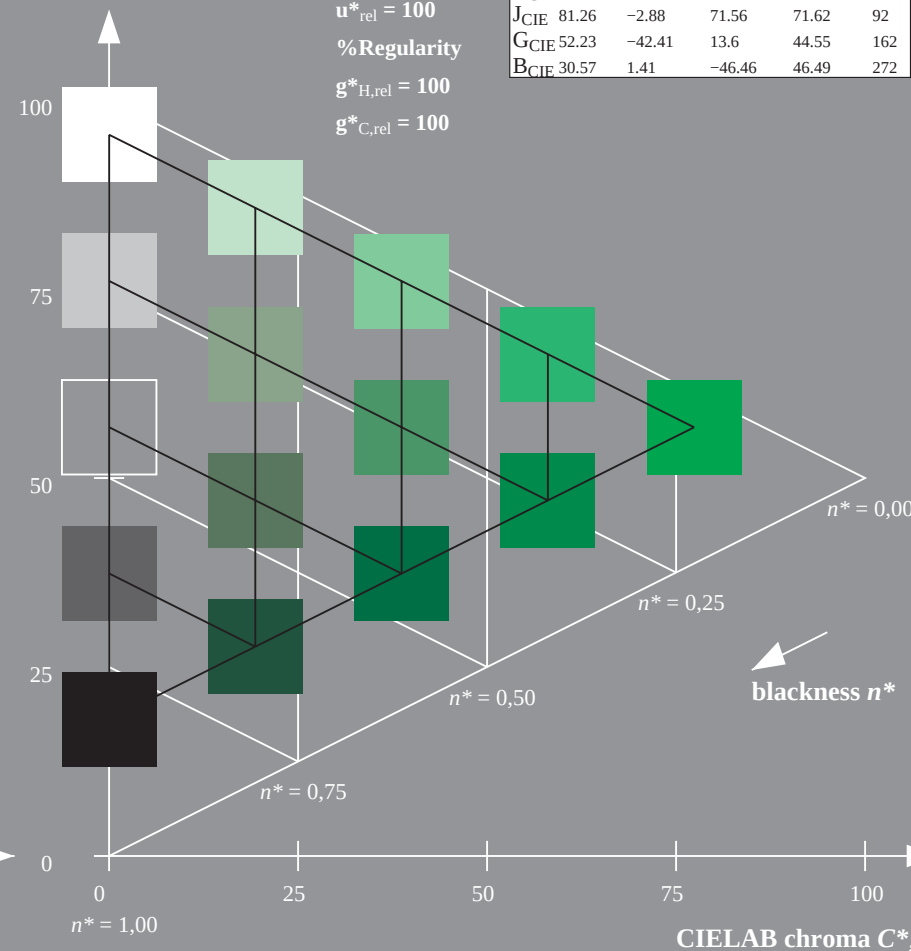
%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_m	56.71	67.03	38.7	77.4	30
Y_m	56.71	0.0	77.4	77.4	90
L_m	56.71	-67.02	38.7	77.4	150
C_m	56.71	-67.02	-38.69	77.4	210
V_m	56.71	0.0	-77.39	77.4	270
M_m	56.71	67.03	-38.69	77.4	330
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	58.74	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



5 step scales for constant CIELAB hue 150/360 = 0.417 (right)

BAM-test chart OE22; Colorimetric systems ORS18 & SRS18

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

input: $cmY0^* \text{ set } cmykcolor$

output: $cmY0^* / 000n^* \text{ set } cmykcolor$

Input: Colorimetric Offset Reflective System ORS18

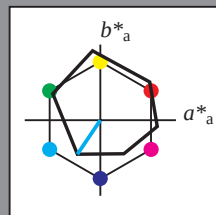
for hue $h^* = lab \cdot h = 236/360 = 0.656$

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

D65: hue C

LCH*Ma: 59 54 236

olv*Ma: 0.0 1.0 1.0



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

triangle lightness t^*

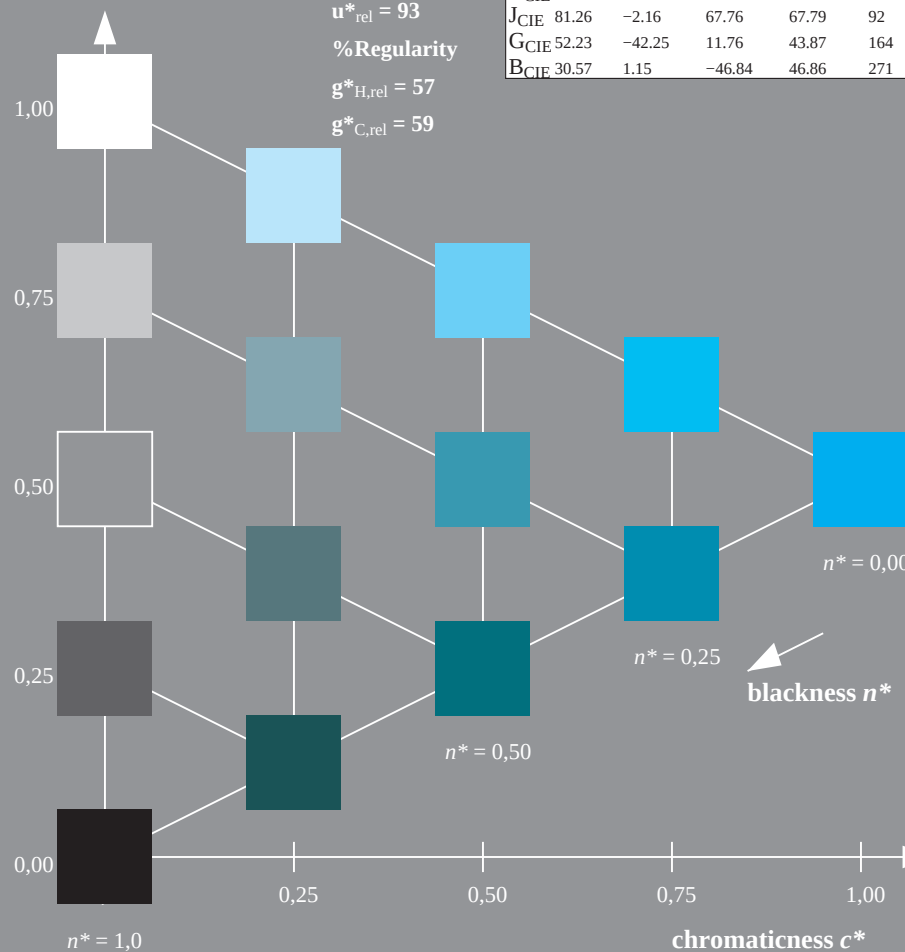
%Gamut

$u^*_{rel} = 93$

%Regularity

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

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



OE220-7, 5 step scales for constant CIELAB hue 236/360 = 0.656 (left)

Output: Colorimetric Standard Reflective System SRS18

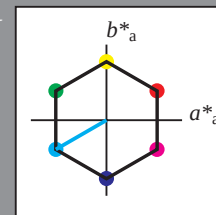
for hue $h^* = lab \cdot h = 210/360 = 0.583$

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

D65: hue C

LCH*Ma: 57 77 210

olv*Ma: 0.0 1.0 1.0



SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_m	56.71	67.03	38.7	77.4	30
Y_m	56.71	0.0	77.4	77.4	90
L_m	56.71	-67.02	38.7	77.4	150
C_m	56.71	-67.02	-38.69	77.4	210
V_m	56.71	0.0	-77.39	77.4	270
M_m	56.71	67.03	-38.69	77.4	330
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	58.74	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

CIELAB lightness L^*

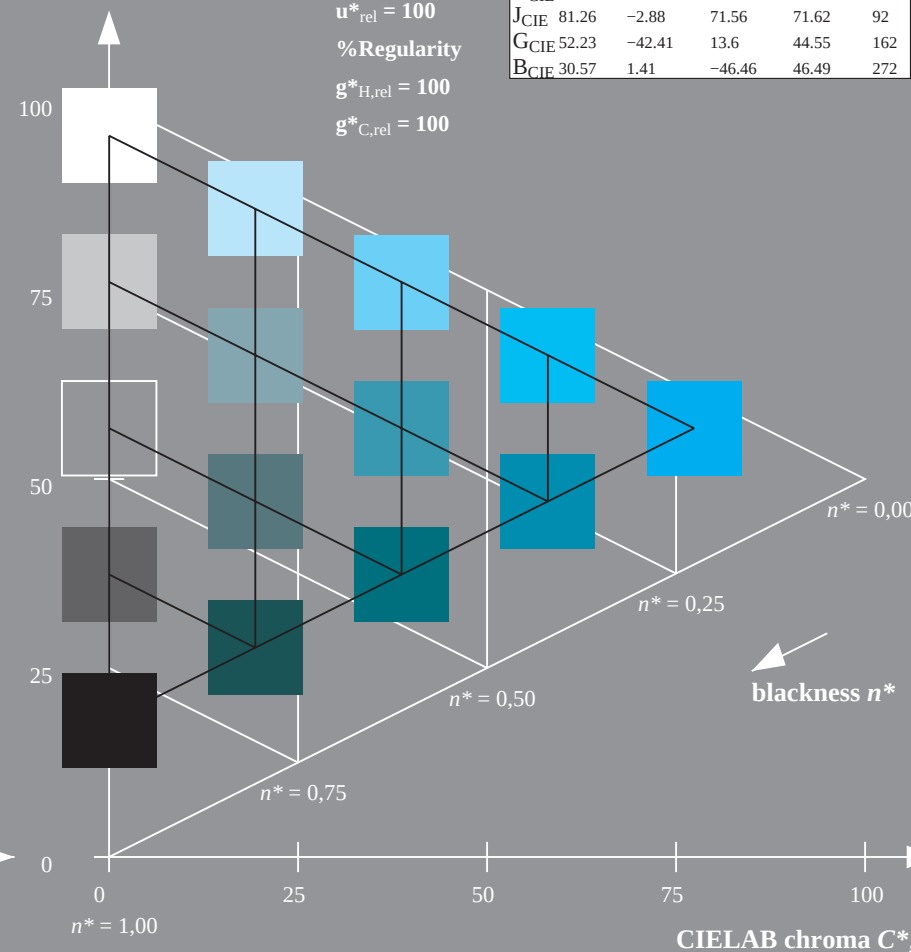
%Gamut

$u^*_{rel} = 100$

%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$



5 step scales for constant CIELAB hue 210/360 = 0.583 (right)

BAM-test chart OE22; Colorimetric systems ORS18 & SRS18

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

input: $cmY0^* \cdot setcmYcolor$

output: $cmY0^* / 000n^* \cdot setcmYcolor$

Input: Colorimetric Offset Reflective System ORS18

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

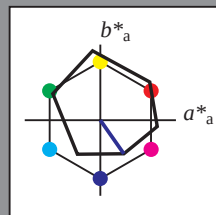
$lab \cdot tch$ and $lab \cdot nch$

D65: hue V

LCH*Ma: 26 54 305

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



%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

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab \cdot h = 270/360 = 0.75$

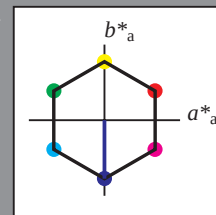
$LAB \cdot LCH$, $LAB \cdot NCH$

D65: hue V

LCH*Ma: 57 77 270

olv*Ma: 0.0 0.0 1.0

CIELAB lightness L^*



%Gamut

$u^*_{rel} = 100$

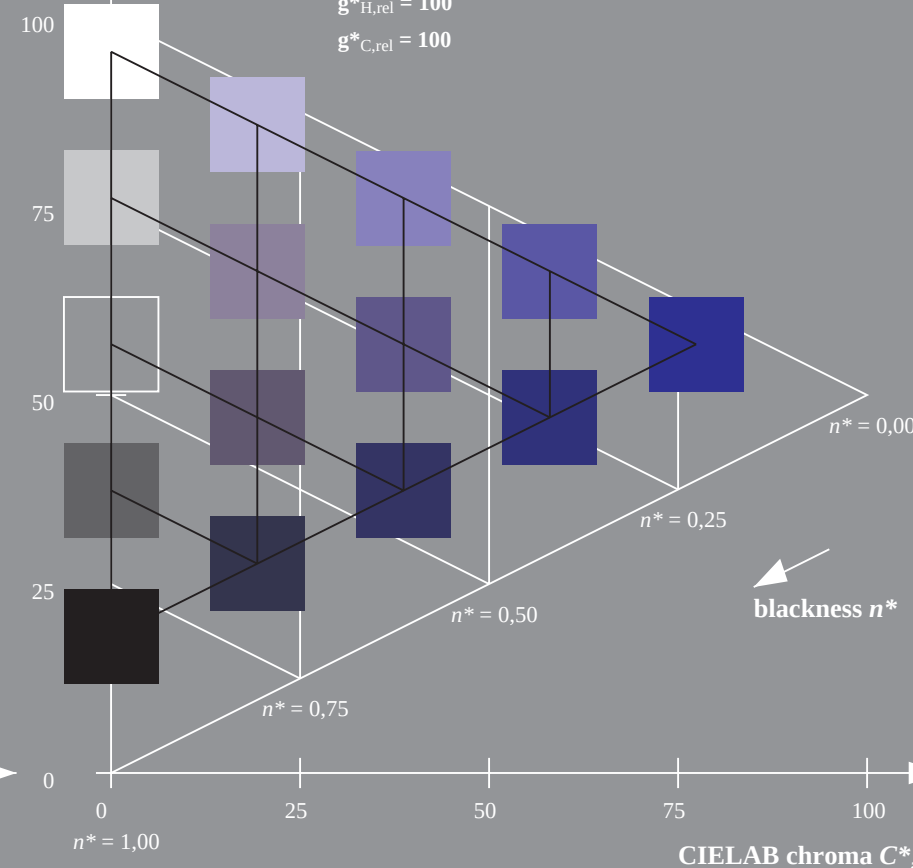
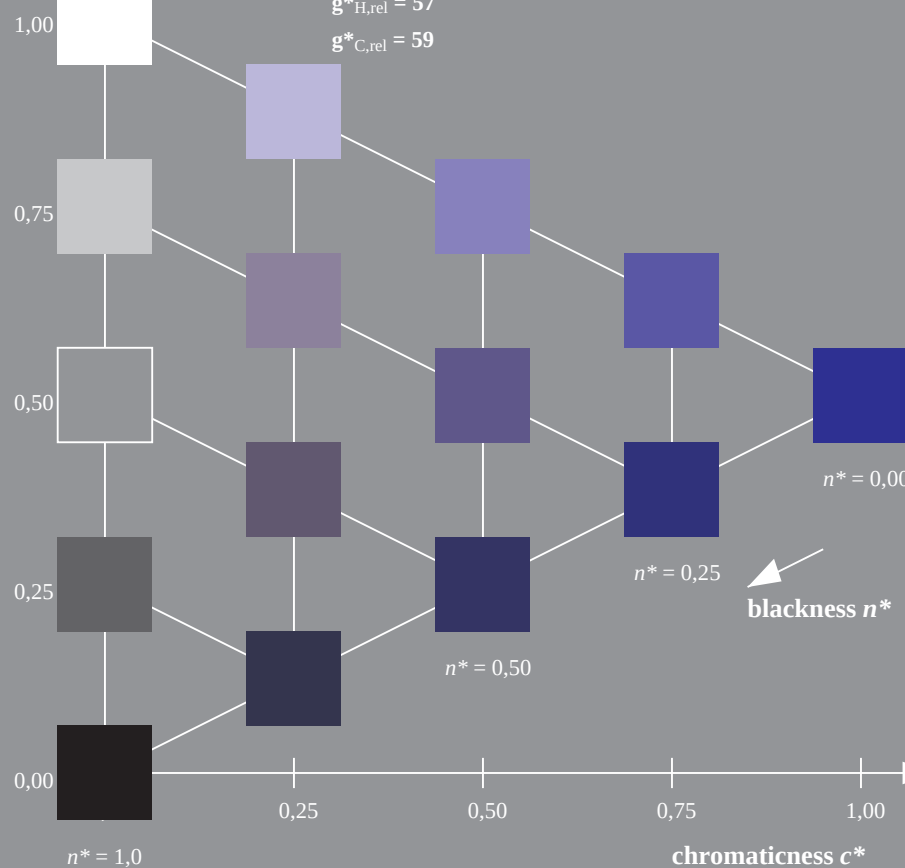
%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_m	56.71	67.03	38.7	77.4	30
Y_m	56.71	0.0	77.4	77.4	90
L_m	56.71	-67.02	38.7	77.4	150
C_m	56.71	-67.02	-38.69	77.4	210
V_m	56.71	0.0	-77.39	77.4	270
M_m	56.71	67.03	-38.69	77.4	330
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	58.74	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



OE220-7, 5 step scales for constant CIELAB hue 305/360 = 0.847 (left)

5 step scales for constant CIELAB hue 270/360 = 0.75 (right)

BAM-test chart OE22; Colorimetric systems ORS18 & SRS18

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

input: $cmY0^* \text{ set } cmykcolor$

output: $cmY0^* / 000n^* \text{ set } cmykcolor$

Input: Colorimetric Offset Reflective System ORS18

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

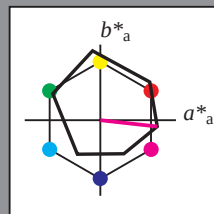
$lab \cdot tch$ and $lab \cdot nch$

D65: hue M

LCH*Ma: 48 76 354

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 93$

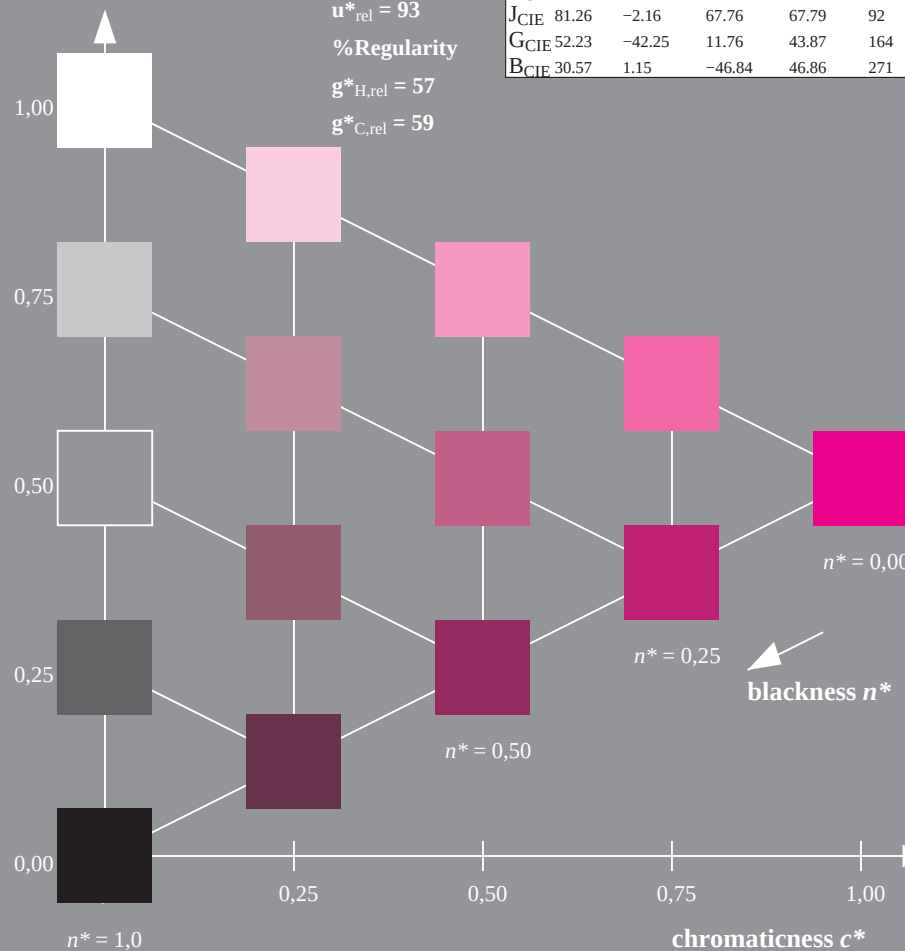
%Regularity

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

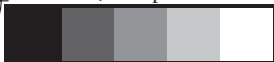
$g^*_{C,rel} = 59$

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



OE220-7, 5 step scales for constant CIELAB hue 354/360 = 0.982 (left)



BAM-test chart OE22; Colorimetric systems ORS18 & SRS18

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

Output: Colorimetric Standard Reflective System SRS18

for hue $h^* = lab \cdot h = 330/360 = 0.917$

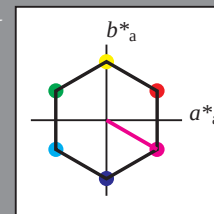
$LAB \cdot LCH$, $LAB \cdot NCH$

D65: hue M

LCH*Ma: 57 77 330

olv*Ma: 1.0 0.0 1.0

CIELAB lightness L^*



%Gamut

$u^*_{rel} = 100$

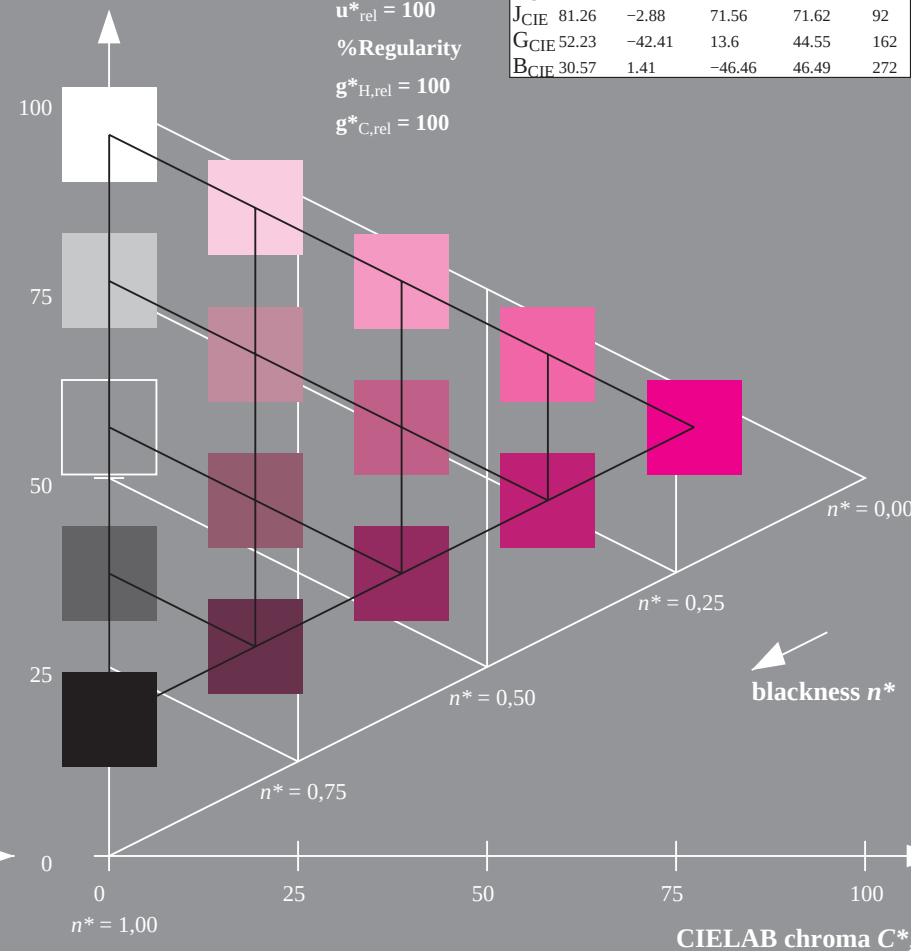
%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_m	56.71	67.03	38.7	77.4	30
Y_m	56.71	0.0	77.4	77.4	90
L_m	56.71	-67.02	38.7	77.4	150
C_m	56.71	-67.02	-38.69	77.4	210
V_m	56.71	0.0	-77.39	77.4	270
M_m	56.71	67.03	-38.69	77.4	330
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	58.74	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



5 step scales for constant CIELAB hue 330/360 = 0.917 (right)

input: $cmY0^* \cdot setcmYcolor$

output: $cmY0^* / 000n^* \cdot setcmYcolor$



Input: Colorimetric Offset Reflective System ORS18

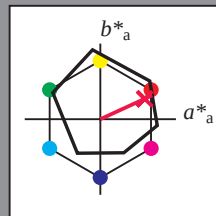
for hue $h^* = lab^*h = 25/360 = 0.069$

*lab*tch* and *lab*nch*

D65: hue R

LCH*Ma: 48 75 25

olv*Ma: 1.0 0.0 0.32



ORS18; adapted (a) CIELAB data

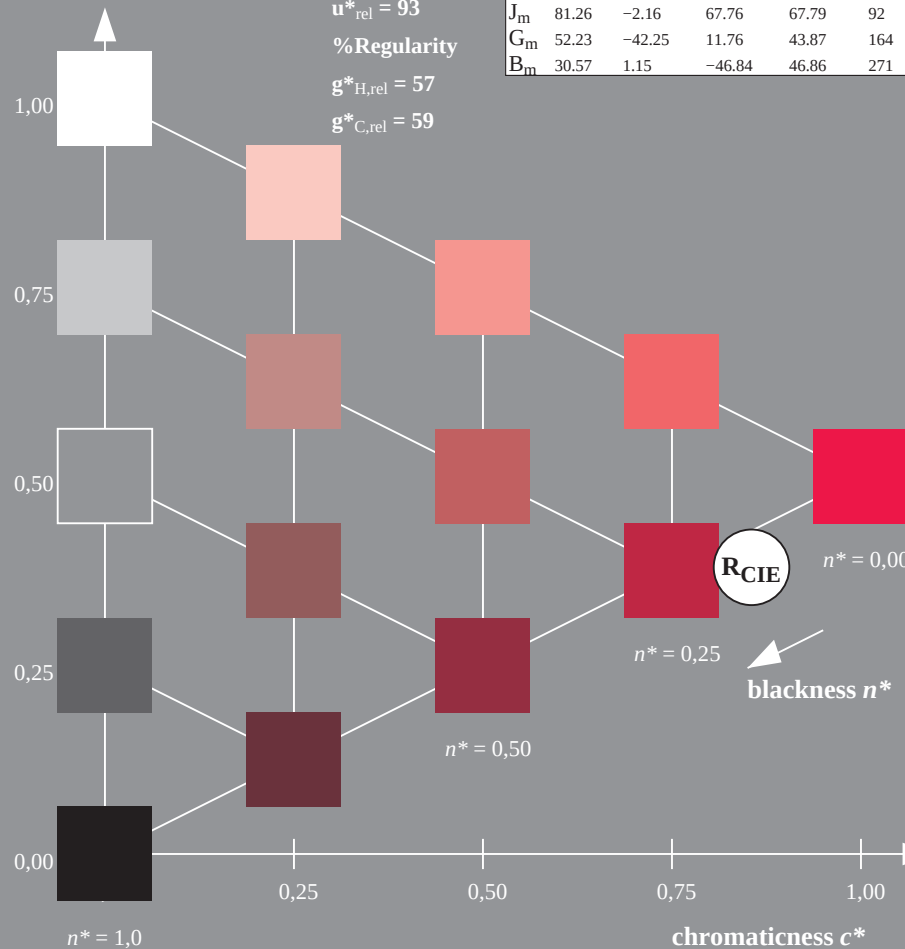
	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	h_{ab}^*
O_m	47.94	65.39	50.52	82.63	38
Y_m	90.37	-10.26	91.75	92.32	96
L_m	50.9	-62.83	34.96	71.91	151
C_m	58.62	-30.34	-45.01	54.3	236
V_m	25.72	31.1	-44.4	54.22	305
M_m	48.13	75.28	-8.36	75.74	354
N_m	18.01	0.0	0.0	0.0	0
W_m	95.41	0.0	0.0	0.0	0
R_m	39.92	58.66	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

$$\mathbf{u}_{\text{rel}}^* = 93$$

%Regularity

$$g^*_{H,rel} = 57$$
$$g^*_{C,rel} = 59$$


OE220-7, 5 step scales for constant CIELAB hue 25/360 = 0.069 (left)

BAM-test chart OE22; Colorimetric systems ORS18 & SRS18

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

Output: Colorimetric Standard Reflective System SRS18

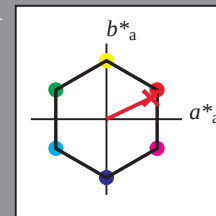
for hue $h^* = lab^*h = 25/360 = 0.071$

*LAB*LCH, LAB*NCH*

D65: hue R

LCH*Ma: 57 74 25

olv*Ma: 1.0 0.0 0.09



SRS18; adapted (a) CIELAB data

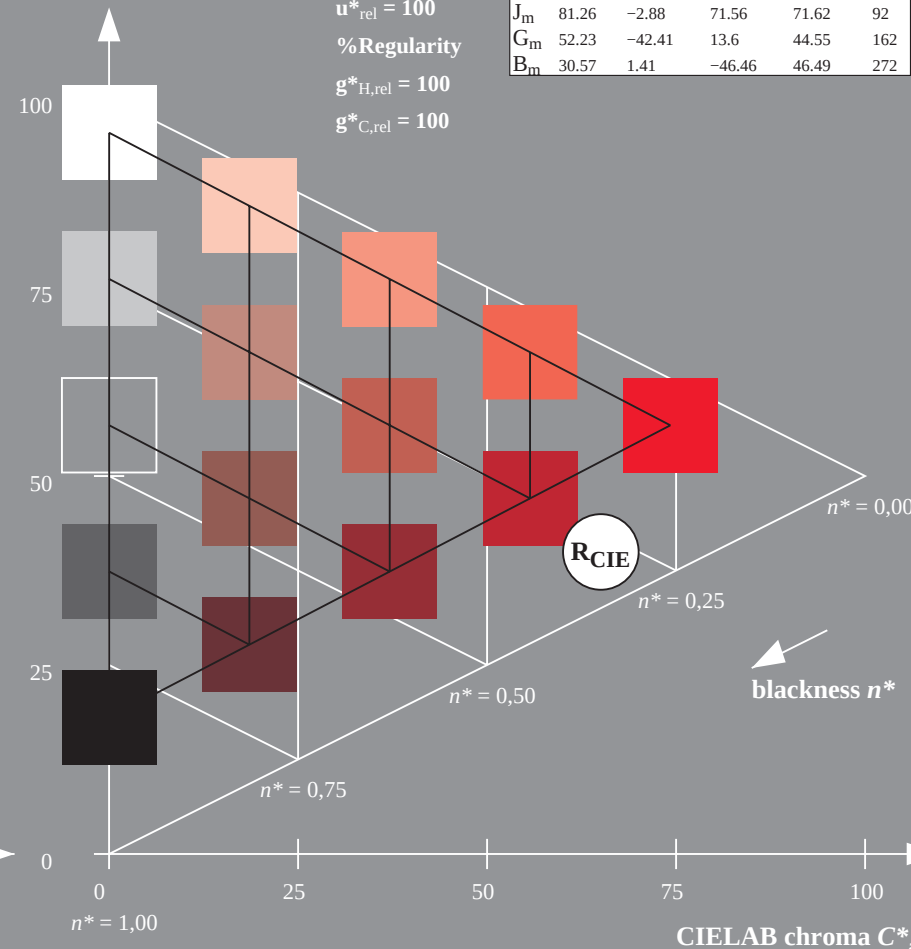
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	h^*_{ab}
O _m	56.71	67.03	38.7	77.4	30
Y _m	56.71	0.0	77.4	77.4	90
L _m	56.71	-67.02	38.7	77.4	150
C _m	56.71	-67.02	-38.69	77.4	210
V _m	56.71	0.0	-77.39	77.4	270
M _m	56.71	67.03	-38.69	77.4	330
N _m	18.01	0.0	0.0	0.0	0
W _m	95.41	0.0	0.0	0.0	0
R _m	39.92	58.74	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

CIELAB lightness L^*

%Gamut

$$u_{rel}^* = 10$$

%Regularity

$$g^*_{H,rel} = 10$$
$$\mathbf{g}_{\text{C,rel}}^* = 10$$


5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

```
input: cmy0* setcmykcolor
```

```
output: cmy0* / 000n* setcmykcolor
```


Input: Colorimetric Offset Reflective System ORS18

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

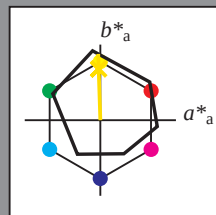
$lab \cdot tch$ and $lab \cdot nch$

D65: hue J

LCH*Ma: 86 88 92

olv*Ma: 1.0 0.9 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 93$

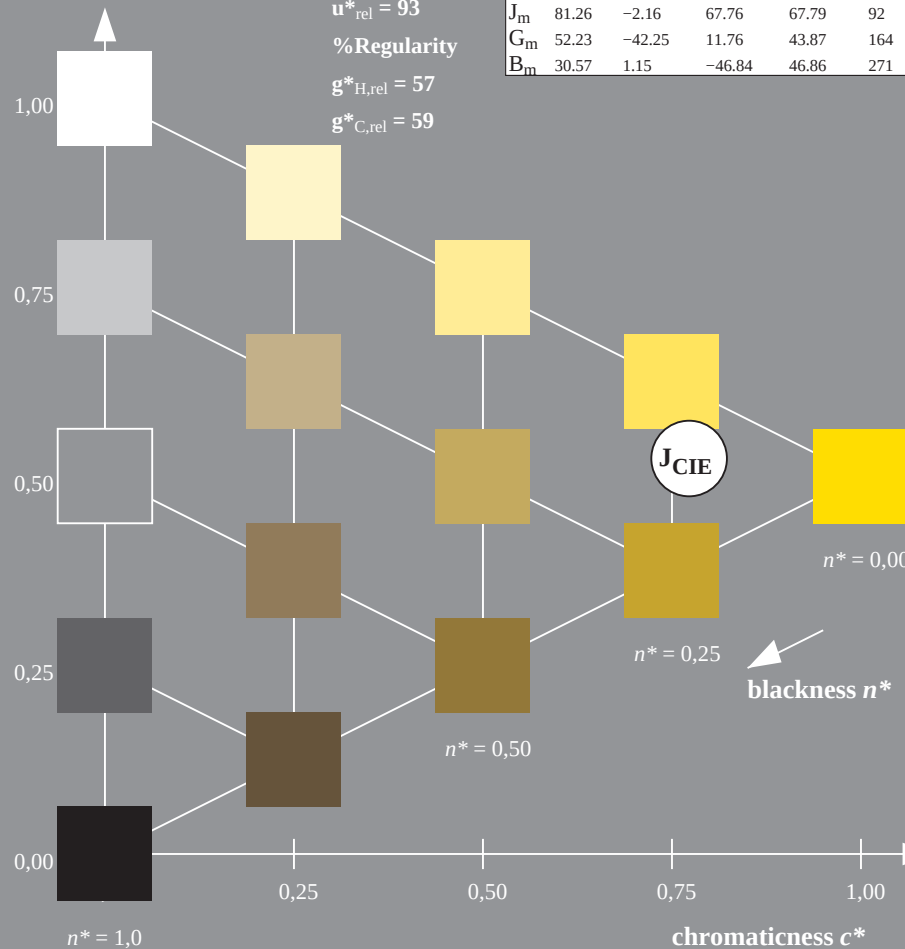
%Regularity

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

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

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



OE220-7, 5 step scales for constant CIELAB hue 92/360 = 0.255 (left)

Output: Colorimetric Standard Reflective System SRS18

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

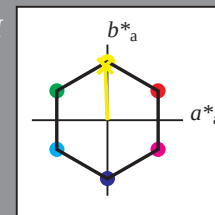
$LAB \cdot LCH$, $LAB \cdot NCH$

D65: hue J

LCH*Ma: 57 76 92

olv*Ma: 0.95 1.0 0.0

CIELAB lightness L^*



%Gamut

$u^*_{rel} = 100$

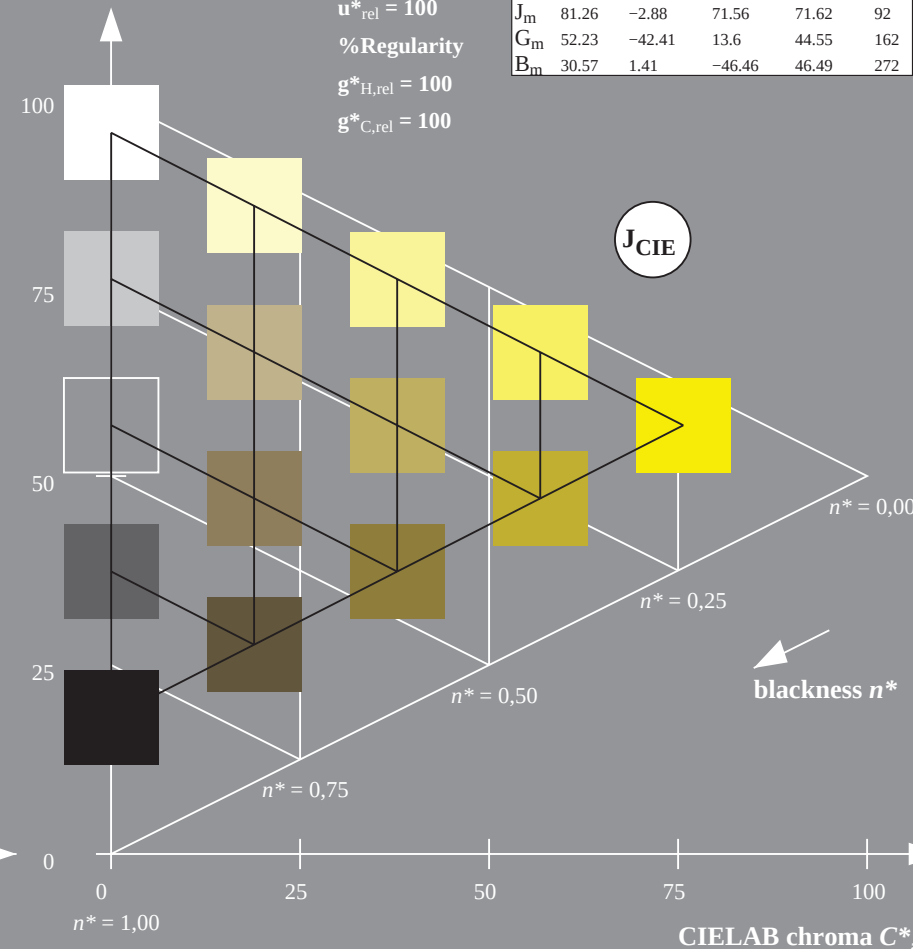
%Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_m	56.71	67.03	38.7	77.4	30
Y_m	56.71	0.0	77.4	77.4	90
L_m	56.71	-67.02	38.7	77.4	150
C_m	56.71	-67.02	-38.69	77.4	210
V_m	56.71	0.0	-77.39	77.4	270
M_m	56.71	67.03	-38.69	77.4	330
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	58.74	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



5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

BAM-test chart OE22; Colorimetric systems ORS18 & SRS18

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

input: $cmY0^* \text{ set } cmYcolor$

output: $cmY0^* / 000n^* \text{ set } cmYcolor$

Input: Colorimetric Offset Reflective System ORS18

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

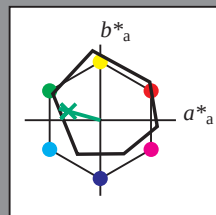
$lab \cdot tch$ and $lab \cdot nch$

D65: hue G

LCH*Ma: 53 57 164

olv*Ma: 0.0 1.0 0.25

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

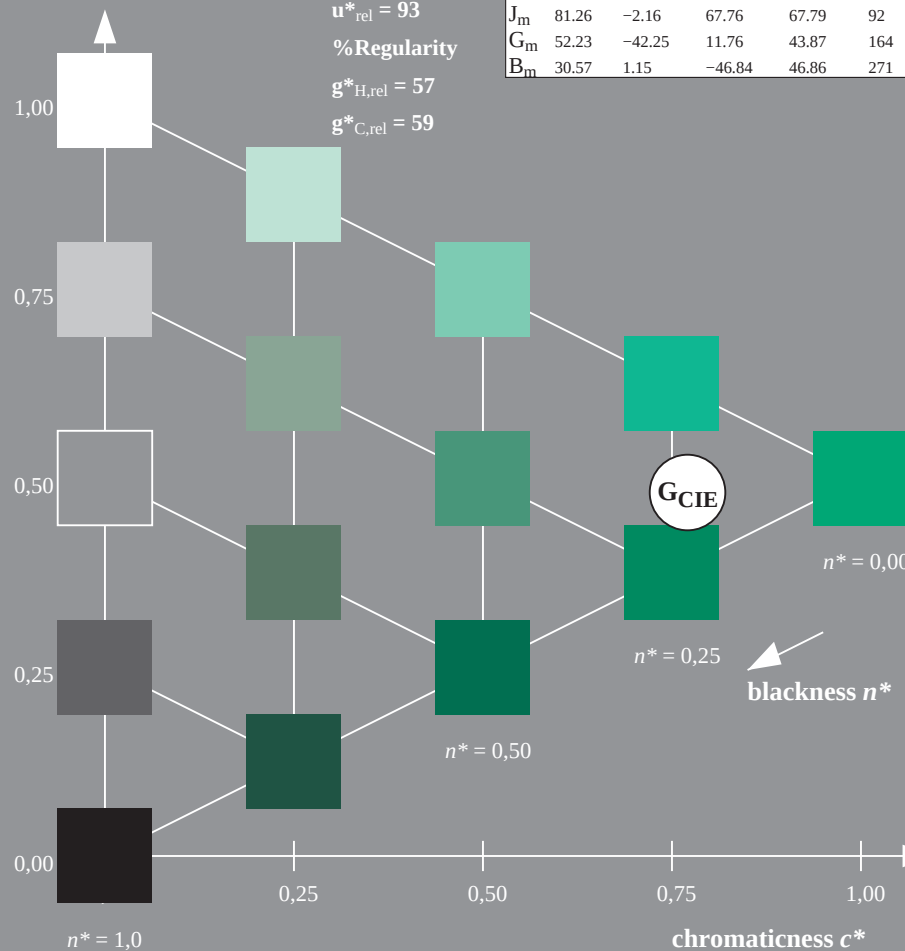
% Regularity

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

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

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



OE220-7, 5 step scales for constant CIE hue 164/360 = 0.457 (left)



BAM-test chart OE22; Colorimetric systems ORS18 & SRS18

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

Output: Colorimetric Standard Reflective System SRS18

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

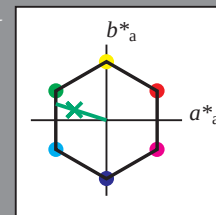
$LAB \cdot LCH$, $LAB \cdot NCH$

D65: hue G

LCH*Ma: 57 70 162

olv*Ma: 0.0 1.0 0.22

CIELAB lightness L^*



% Gamut

$u^*_{rel} = 100$

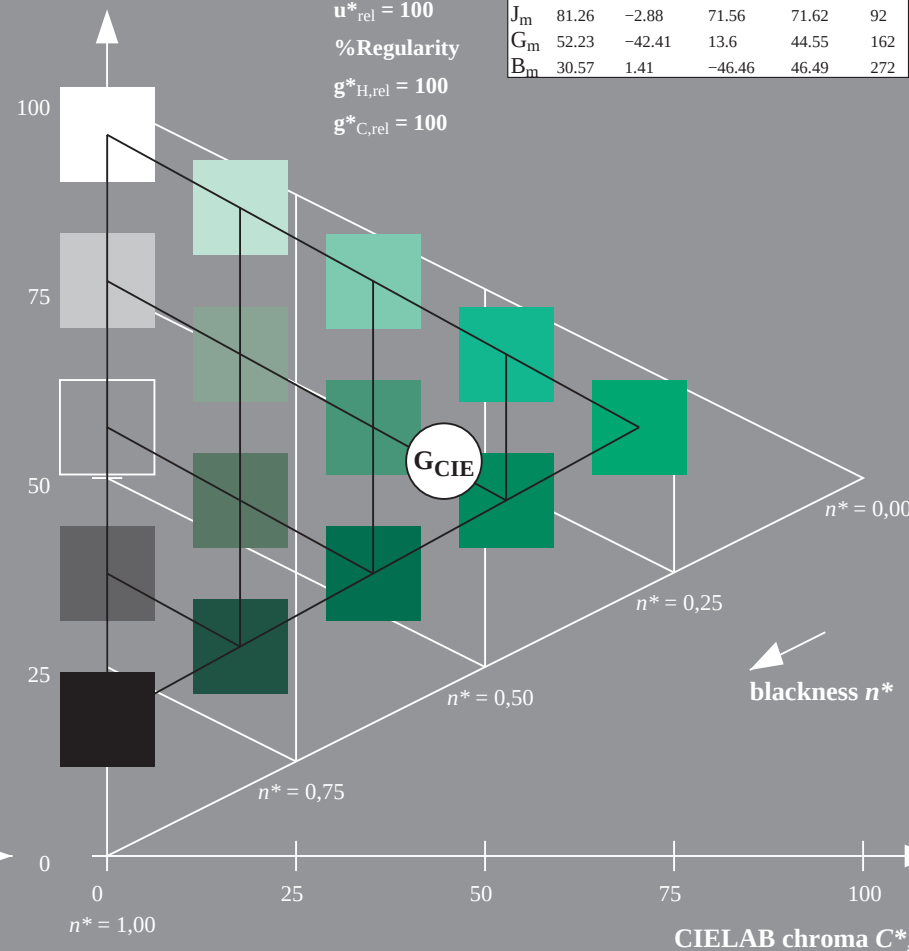
% Regularity

$g^*_{H,rel} = 100$

$g^*_{C,rel} = 100$

SRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_m	56.71	67.03	38.7	77.4	30
Y_m	56.71	0.0	77.4	77.4	90
L_m	56.71	-67.02	38.7	77.4	150
C_m	56.71	-67.02	-38.69	77.4	210
V_m	56.71	0.0	-77.39	77.4	270
M_m	56.71	67.03	-38.69	77.4	330
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	58.74	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



5 step scales for constant CIE hue 162/360 = 0.451 (right)

input: $cmY0^* setcmykcolor$

output: $cmY0^* / 000n^* setcmykcolor$



```
output: cmy0* / 000n* setcmykcolor
```