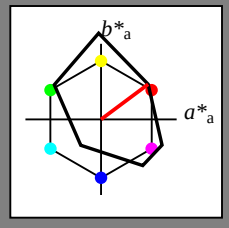
Input: Colorimetric Printer Reflective System FRS06
for hue *h = *lab*h* = 37/360 = 0.102**
lab*tch* and *lab*nch

D65: hue R
LCH*Ma: 33 78 37
olv*Ma: 1.0 0.0 0.0

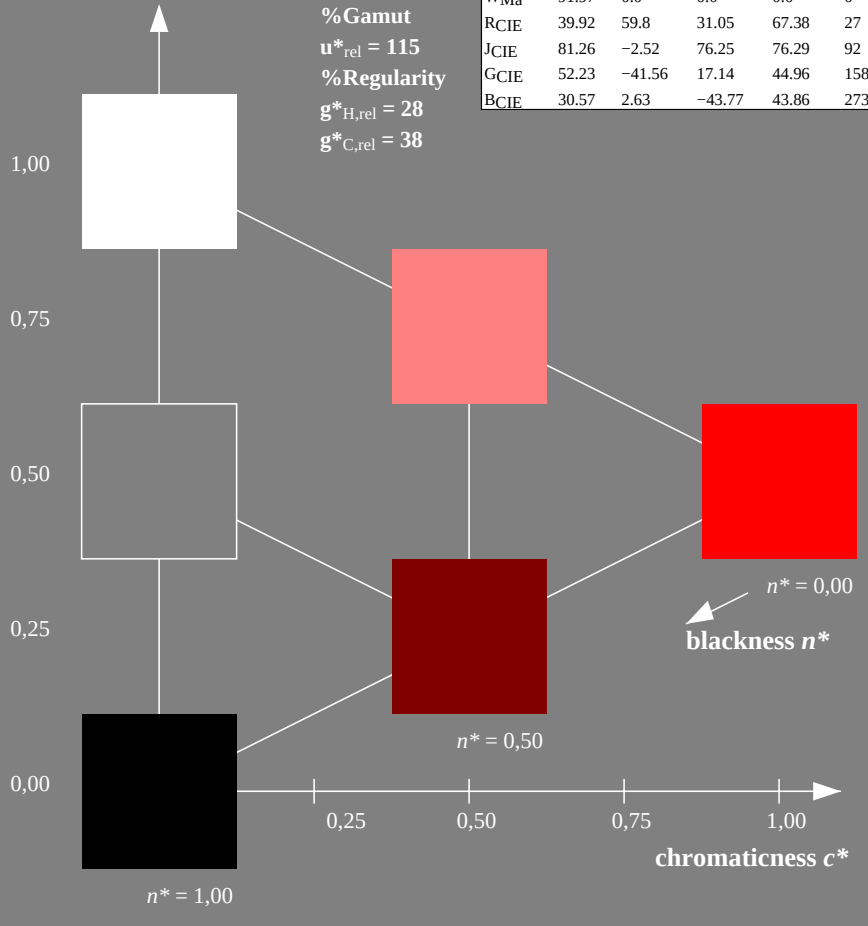


FRS06; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	32.57	62.32	46.49	77.75	37
J_{Ma}	82.73	−3.16	113.99	114.03	92
G_{Ma}	39.43	−61.79	45.84	76.95	143
$G50B_{Ma}$	47.86	−26.79	−34.24	43.49	232
B_{Ma}	10.16	55.12	−61.03	82.24	312
$B50R_{Ma}$	34.5	80.68	−33.92	87.52	337
N_{Ma}	6.25	0.0	0.0	0.0	0
W_{Ma}	91.97	0.0	0.0	0.0	0
R_{CIE}	39.92	59.8	31.05	67.38	27
J_{CIE}	81.26	−2.52	76.25	76.29	92
G_{CIE}	52.23	−41.56	17.14	44.96	158
B_{CIE}	30.57	2.63	−43.77	43.86	273

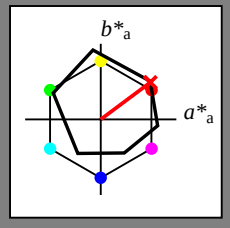
triangle lightness *t**

%Gamut
u^*_{rel} = 115
%Regularity
$g^*_{H,rel}$ = 28
$g^*_{C,rel}$ = 38



Output: Colorimetric Offset Reflective System ORS18
for hue *h = *lab*h* = 37/360 = 0.102**
lab*tch* and *lab*nch

D65: hue O
LCH*Ma: 48 82 37
olv*Ma: 1.0 0.0 0.03

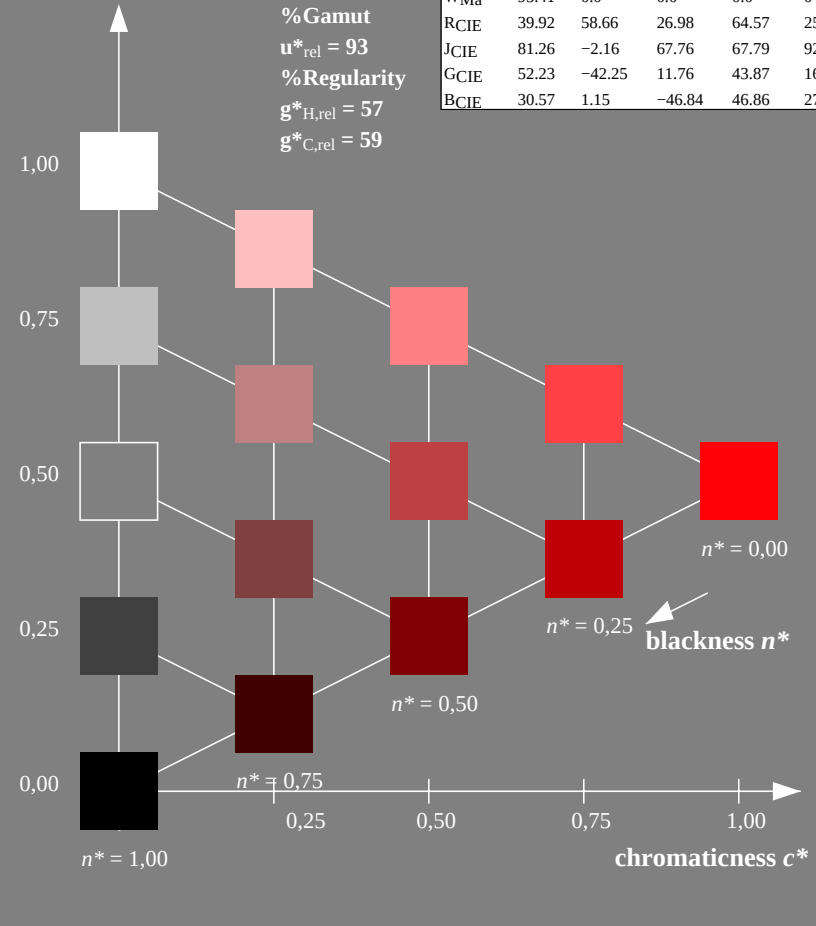


ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	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



VE460−7, 3 step scales for constant CIELAB hue 37/360 = 0.102 (left)

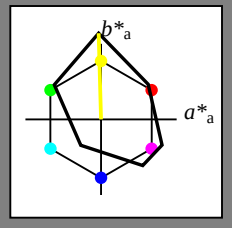
5 step scales for constant CIELAB hue 37/360 = 0.102 (right)

BAM-test chart VE46; Colorimetric systems CNS18 & ORS18
D65: 3 and 5 step colour scales for 10 hues

input: *olv* setrgbcolor*
output: *olv*' (TRI9) setrgbcolor*

Input: Colorimetric Printer Reflective System FRS06
for hue *h = *lab*h* = 92/360 = 0.254**
lab*tch* and *lab*nch

D65: hue J
LCH*Ma: 83 114 92
olv*Ma: 1.0 1.0 0.0

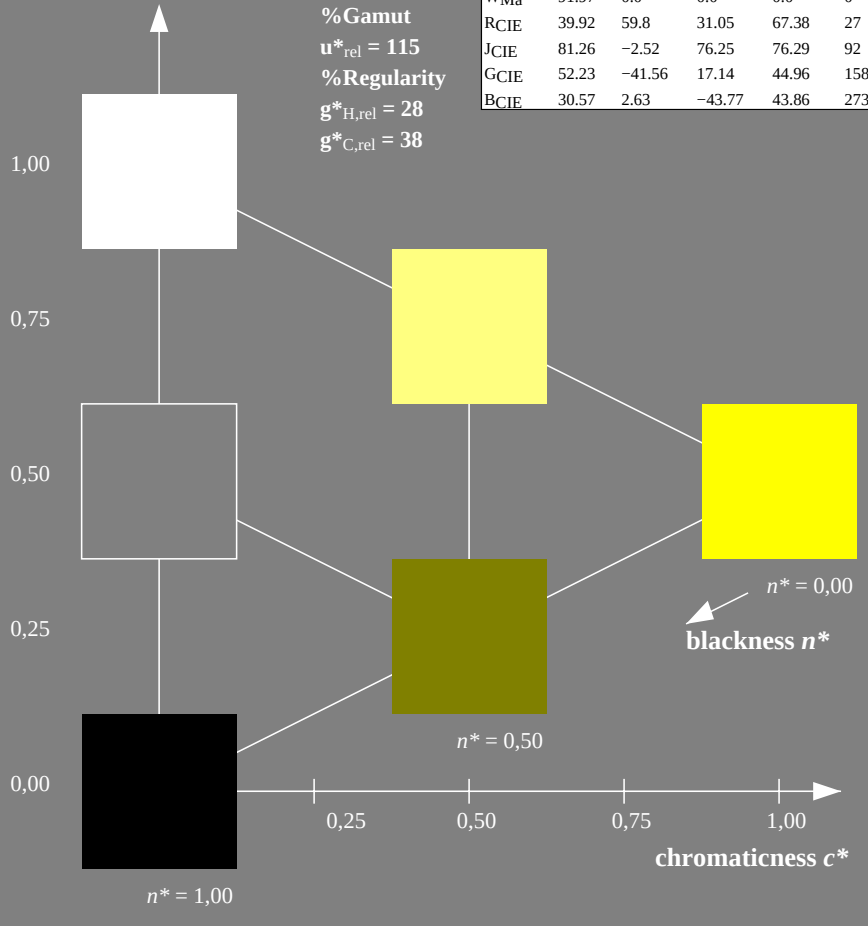


FRS06; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	32.57	62.32	46.49	77.75	37
J_{Ma}	82.73	−3.16	113.99	114.03	92
G_{Ma}	39.43	−61.79	45.84	76.95	143
$G50B_{Ma}$	47.86	−26.79	−34.24	43.49	232
B_{Ma}	10.16	55.12	−61.03	82.24	312
$B50R_{Ma}$	34.5	80.68	−33.92	87.52	337
N_{Ma}	6.25	0.0	0.0	0.0	0
W_{Ma}	91.97	0.0	0.0	0.0	0
R_{CIE}	39.92	59.8	31.05	67.38	27
J_{CIE}	81.26	−2.52	76.25	76.29	92
G_{CIE}	52.23	−41.56	17.14	44.96	158
B_{CIE}	30.57	2.63	−43.77	43.86	273

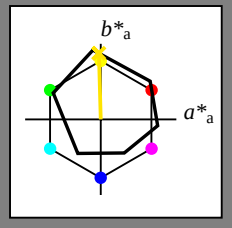
triangle lightness *t**

%Gamut
u^*_{rel} = 115
%Regularity
$g^*_{H,rel}$ = 28
$g^*_{C,rel}$ = 38



Output: Colorimetric Offset Reflective System ORS18
for hue *h = *lab*h* = 92/360 = 0.254**
lab*tch* and *lab*nch

D65: hue Y
LCH*Ma: 86 88 92
olv*Ma: 1.0 0.9 0.0

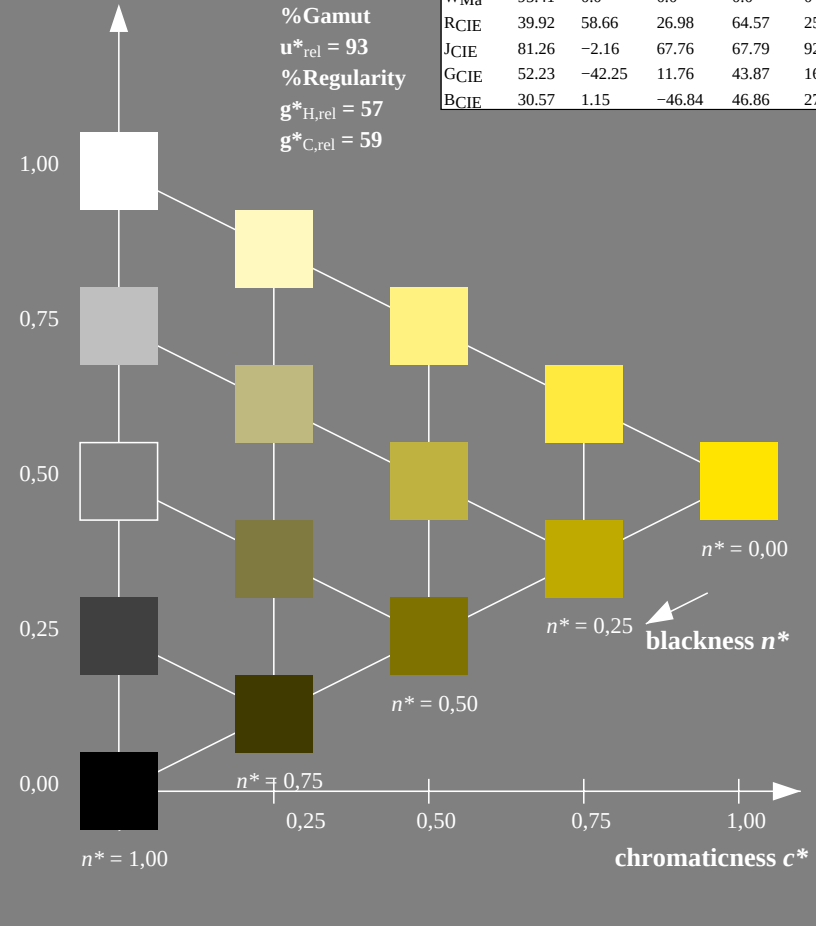


ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	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



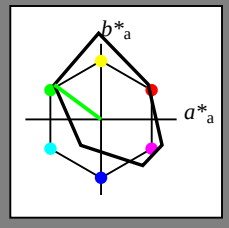
VE460−7, 3 step scales for constant CIELAB hue 92/360 = 0.254 (left)
5 step scales for constant CIELAB hue 92/360 = 0.254 (right)

BAM-test chart VE46; Colorimetric systems CNS18 & ORS18
D65: 3 and 5 step colour scales for 10 hues

input: *olv* setrgbcolor*
output: *olv*' (TRI9) setrgbcolor*

Input: Colorimetric Printer Reflective System FRS06
for hue *h* = lab*h = 143/360 = 0.398*
lab*tch* and *lab*nch

D65: hue G
LCH*Ma: 39 77 143
olv*Ma: 0.0 1.0 0.0

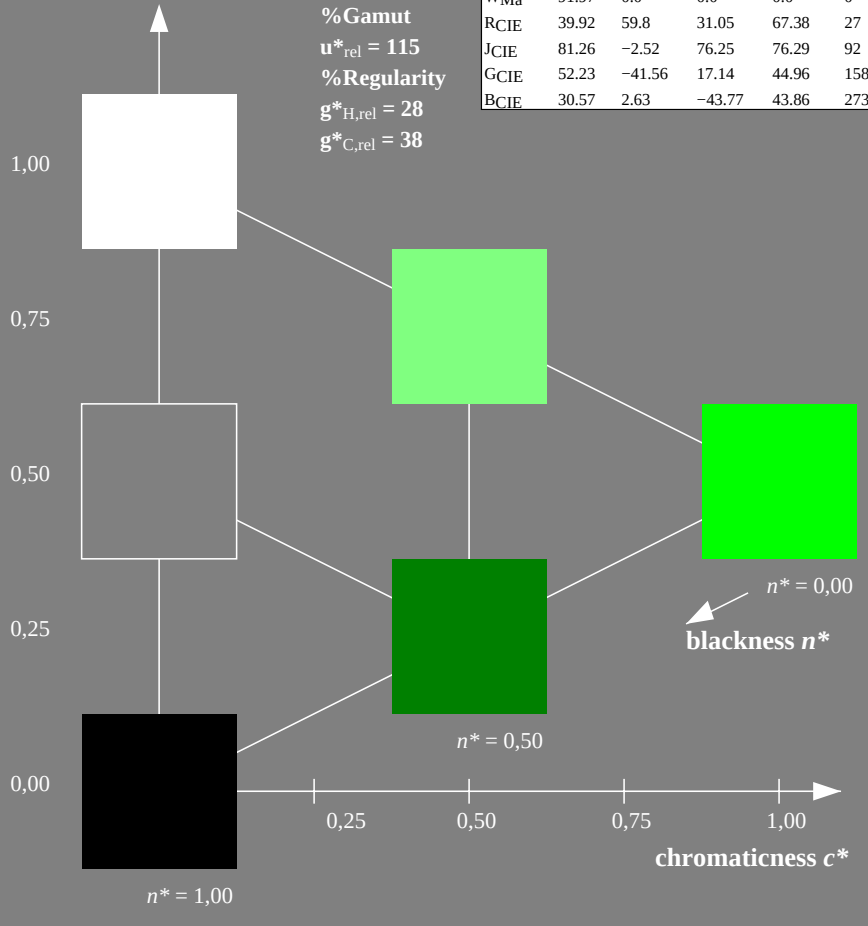


FRS06; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	32.57	62.32	46.49	77.75	37
J_{Ma}	82.73	−3.16	113.99	114.03	92
G_{Ma}	39.43	−61.79	45.84	76.95	143
$G50B_{Ma}$	47.86	−26.79	−34.24	43.49	232
B_{Ma}	10.16	55.12	−61.03	82.24	312
$B50R_{Ma}$	34.5	80.68	−33.92	87.52	337
N_{Ma}	6.25	0.0	0.0	0.0	0
W_{Ma}	91.97	0.0	0.0	0.0	0
R_{CIE}	39.92	59.8	31.05	67.38	27
J_{CIE}	81.26	−2.52	76.25	76.29	92
G_{CIE}	52.23	−41.56	17.14	44.96	158
B_{CIE}	30.57	2.63	−43.77	43.86	273

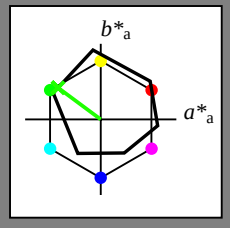
triangle lightness *t**

%Gamut
u^*_{rel} = 115
%Regularity
$g^*_{H,rel}$ = 28
$g^*_{C,rel}$ = 38



Output: Colorimetric Offset Reflective System ORS18
for hue *h* = lab*h = 143/360 = 0.398*
lab*tch* and *lab*nch

D65: hue L
LCH*Ma: 56 70 143
olv*Ma: 0.12 1.0 0.0

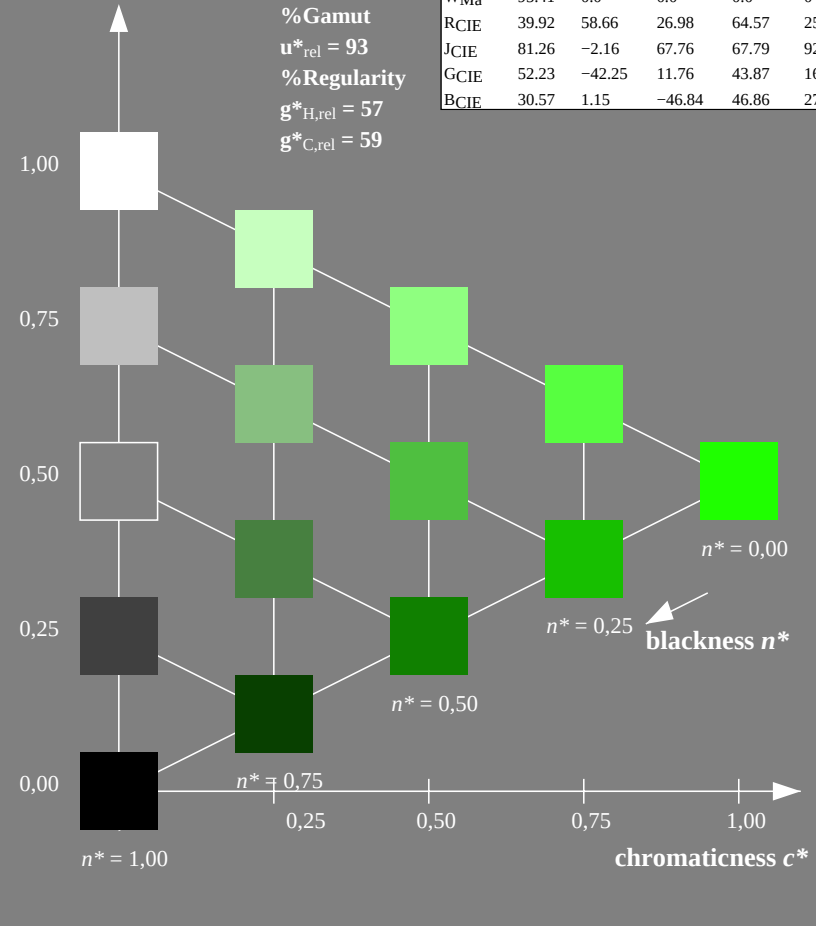


ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	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



VE460−7, 3 step scales for constant CIELAB hue 143/360 = 0.398 (left)

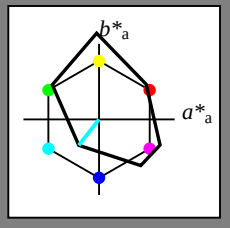
5 step scales for constant CIELAB hue 143/360 = 0.398 (right)

BAM-test chart VE46; Colorimetric systems CNS18 & ORS18
D65: 3 and 5 step colour scales for 10 hues

input: *olv* setrgbcolor*
output: *olv*' (TRI9) setrgbcolor*

Input: Colorimetric Printer Reflective System FRS06
for hue *h = *lab*h* = 232/360 = 0.644**
lab*tch* and *lab*nch

D65: hue G50B
LCH*Ma: 48 43 232
olv*Ma: 0.0 1.0 1.0

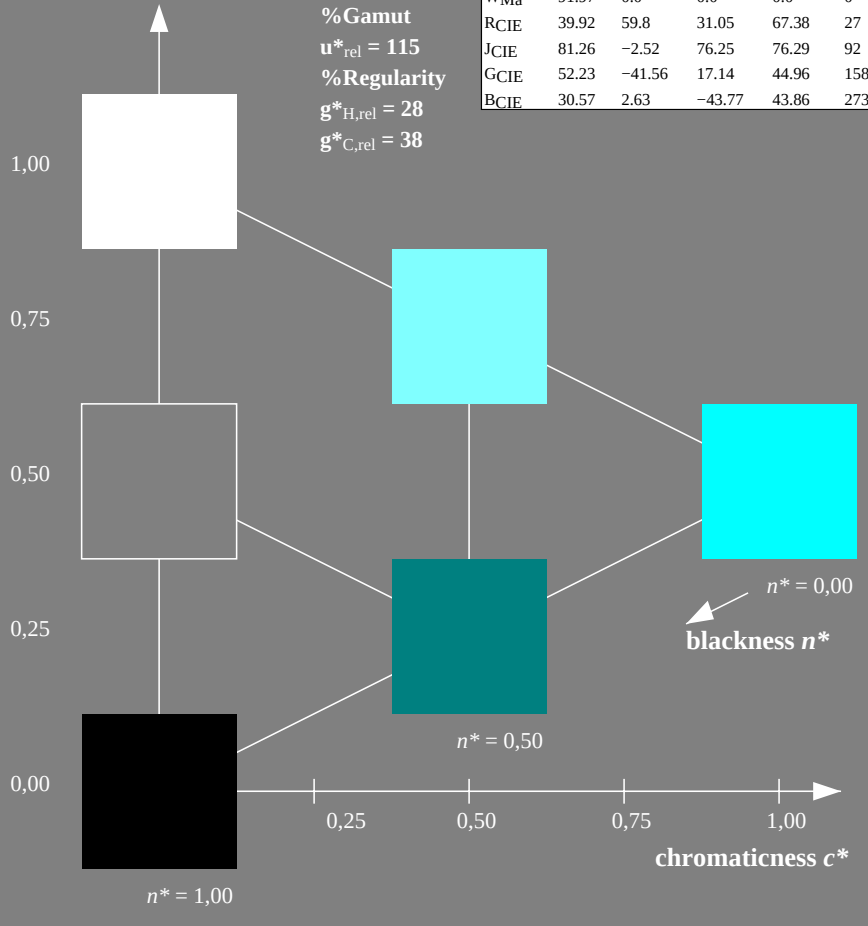


FRS06; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	32.57	62.32	46.49	77.75	37
J_{Ma}	82.73	−3.16	113.99	114.03	92
G_{Ma}	39.43	−61.79	45.84	76.95	143
$G50B_{Ma}$	47.86	−26.79	−34.24	43.49	232
B_{Ma}	10.16	55.12	−61.03	82.24	312
$B50R_{Ma}$	34.5	80.68	−33.92	87.52	337
N_{Ma}	6.25	0.0	0.0	0.0	0
W_{Ma}	91.97	0.0	0.0	0.0	0
R_{CIE}	39.92	59.8	31.05	67.38	27
J_{CIE}	81.26	−2.52	76.25	76.29	92
G_{CIE}	52.23	−41.56	17.14	44.96	158
B_{CIE}	30.57	2.63	−43.77	43.86	273

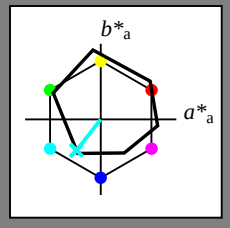
triangle lightness *t**

%Gamut
u^*_{rel} = 115
%Regularity
$g^*_{H,rel}$ = 28
$g^*_{C,rel}$ = 38



Output: Colorimetric Offset Reflective System ORS18
for hue *h = *lab*h* = 232/360 = 0.644**
lab*tch* and *lab*nch

D65: hue C
LCH*Ma: 58 52 232
olv*Ma: 0.0 1.0 0.95

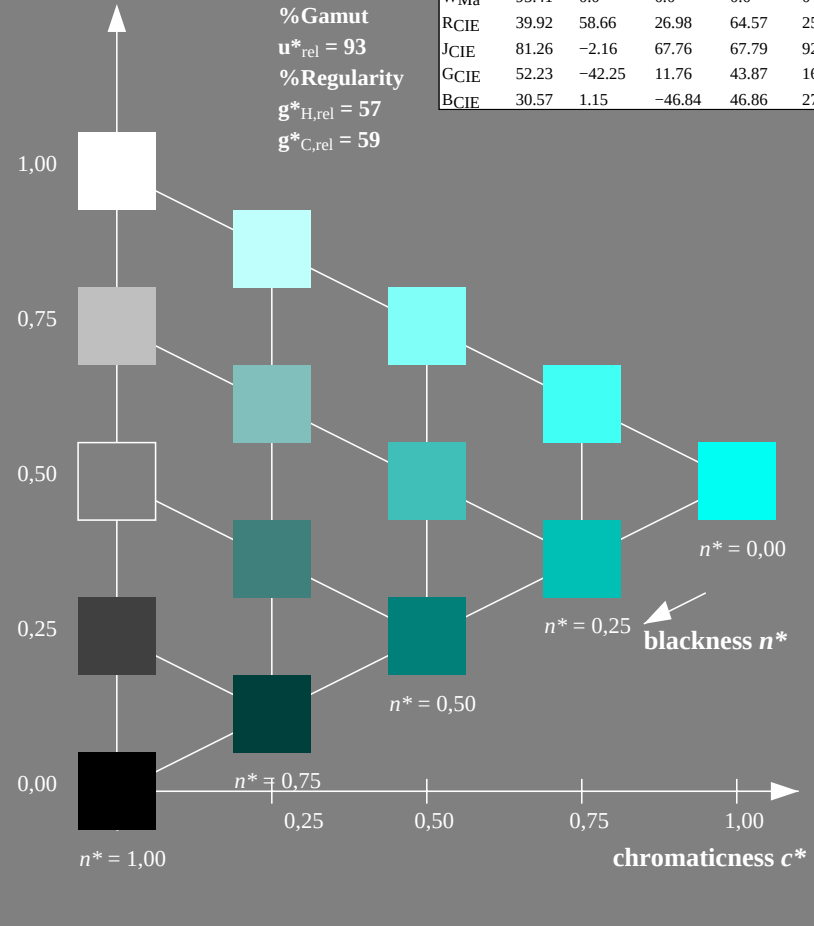


ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	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



VE460−7, 3 step scales for constant CIELAB hue 232/360 = 0.644 (left)

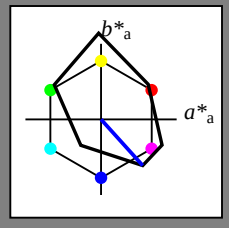
5 step scales for constant CIELAB hue 232/360 = 0.644 (right)

BAM-test chart VE46; Colorimetric systems CNS18 & ORS18
D65: 3 and 5 step colour scales for 10 hues

input: *olv* setrgbcolor*
output: *olv*' (TRI9) setrgbcolor*

Input: Colorimetric Printer Reflective System FRS06
for hue *h = *lab*h* = 312/360 = 0.867**
lab*tch* and *lab*nch

D65: hue B
LCH*Ma: 10 82 312
olv*Ma: 0.0 0.0 1.0

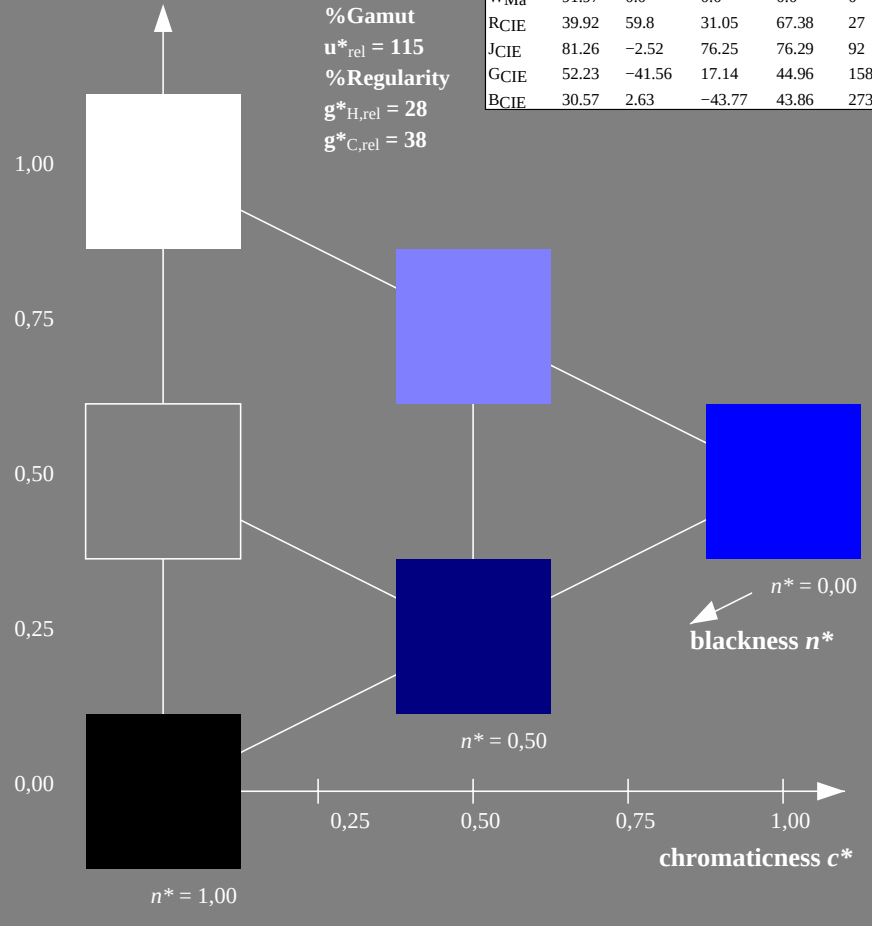


FRS06; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	32.57	62.32	46.49	77.75	37
J_{Ma}	82.73	−3.16	113.99	114.03	92
G_{Ma}	39.43	−61.79	45.84	76.95	143
$G50B_{Ma}$	47.86	−26.79	−34.24	43.49	232
B_{Ma}	10.16	55.12	−61.03	82.24	312
$B50R_{Ma}$	34.5	80.68	−33.92	87.52	337
N_{Ma}	6.25	0.0	0.0	0.0	0
W_{Ma}	91.97	0.0	0.0	0.0	0
R_{CIE}	39.92	59.8	31.05	67.38	27
J_{CIE}	81.26	−2.52	76.25	76.29	92
G_{CIE}	52.23	−41.56	17.14	44.96	158
B_{CIE}	30.57	2.63	−43.77	43.86	273

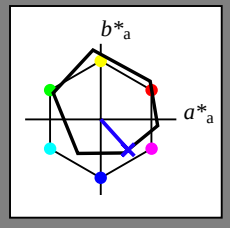
triangle lightness *t**

%Gamut
u^*_{rel} = 115
%Regularity
$g^*_{H,rel}$ = 28
$g^*_{C,rel}$ = 38



Output: Colorimetric Offset Reflective System ORS18
for hue *h = *lab*h* = 312/360 = 0.867**
lab*tch* and *lab*nch

D65: hue V
LCH*Ma: 28 54 312
olv*Ma: 0.12 0.0 1.0

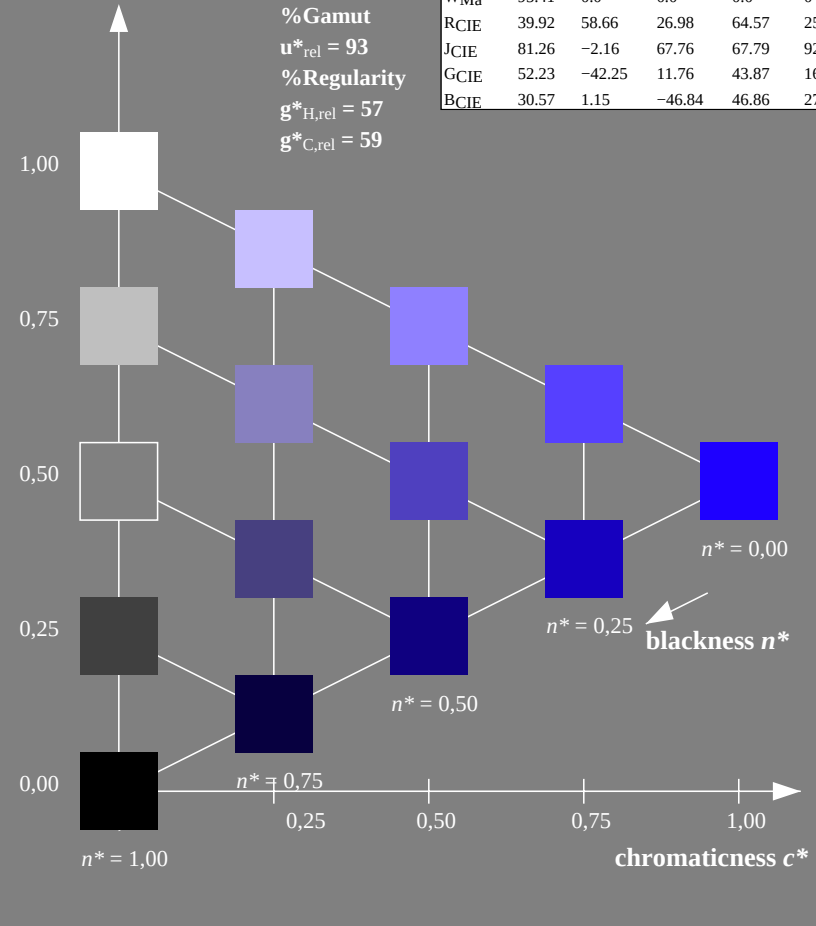


ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	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



VE460−7, 3 step scales for constant CIELAB hue 312/360 = 0.867 (left)

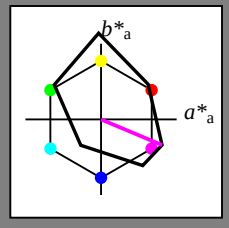
5 step scales for constant CIELAB hue 312/360 = 0.867 (right)

BAM-test chart VE46; Colorimetric systems CNS18 & ORS18
D65: 3 and 5 step colour scales for 10 hues

input: *olv* setrgbcolor*
output: *olv*' (TRI9) setrgbcolor*

Input: Colorimetric Printer Reflective System FRS06
for hue *h = *lab*h* = 337/360 = 0.937**
lab*tch* and *lab*nch

D65: hue B50R
LCH*Ma: 35 88 337
olv*Ma: 1.0 0.0 1.0

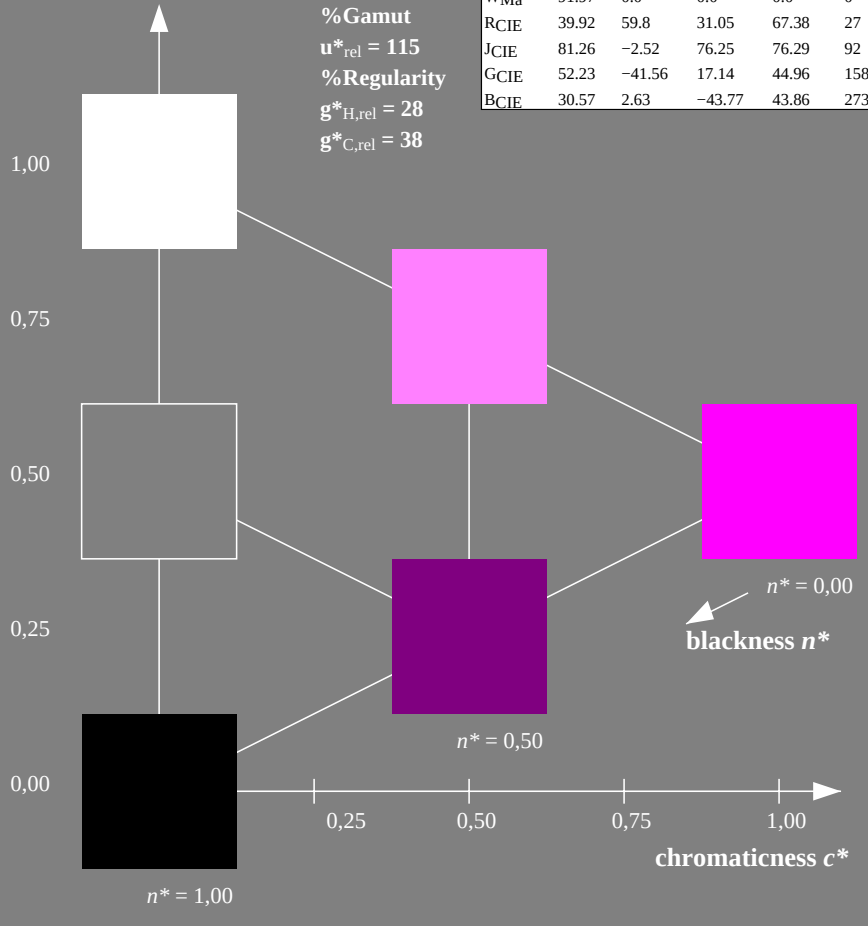


FRS06; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	32.57	62.32	46.49	77.75	37
J_{Ma}	82.73	−3.16	113.99	114.03	92
G_{Ma}	39.43	−61.79	45.84	76.95	143
$G50B_{Ma}$	47.86	−26.79	−34.24	43.49	232
B_{Ma}	10.16	55.12	−61.03	82.24	312
$B50R_{Ma}$	34.5	80.68	−33.92	87.52	337
N_{Ma}	6.25	0.0	0.0	0.0	0
W_{Ma}	91.97	0.0	0.0	0.0	0
R_{CIE}	39.92	59.8	31.05	67.38	27
J_{CIE}	81.26	−2.52	76.25	76.29	92
G_{CIE}	52.23	−41.56	17.14	44.96	158
B_{CIE}	30.57	2.63	−43.77	43.86	273

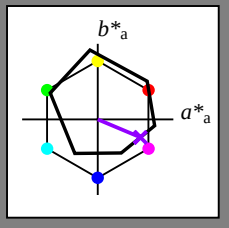
triangle lightness *t**

%Gamut
u^*_{rel} = 115
%Regularity
$g^*_{H,rel}$ = 28
$g^*_{C,rel}$ = 38



Output: Colorimetric Offset Reflective System ORS18
for hue *h = *lab*h* = 337/360 = 0.937**
lab*tch* and *lab*nch

D65: hue M
LCH*Ma: 39 61 337
olv*Ma: 0.57 0.0 1.0

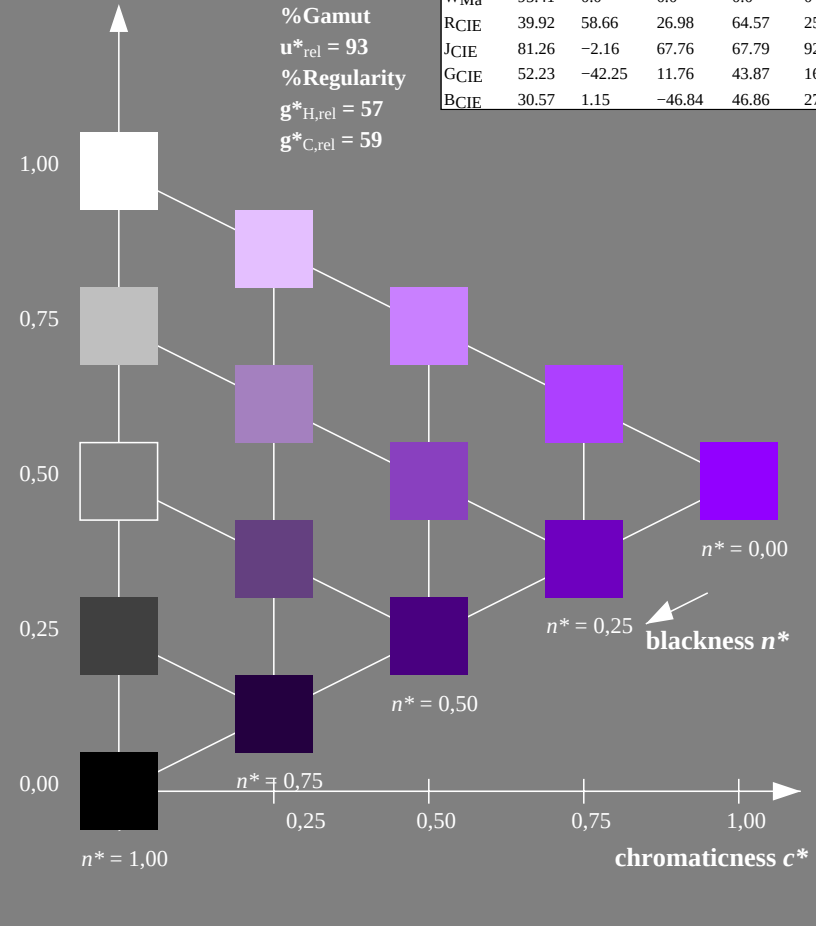


ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	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



VE460−7, 3 step scales for constant CIELAB hue 337/360 = 0.937 (left)

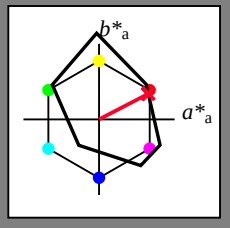
5 step scales for constant CIELAB hue 337/360 = 0.937 (right)

BAM-test chart VE46; Colorimetric systems CNS18 & ORS18
D65: 3 and 5 step colour scales for 10 hues

input: *olv* setrgbcolor*
output: *olv*' (TRI9) setrgbcolor*

Input: Colorimetric Printer Reflective System FRS06
for hue *h = *lab*h* = 27/360 = 0.076**
lab*tch* and *lab*nch

D65: hue R
LCH*Ma: 33 73 27
olv*Ma: 1.0 0.0 0.16

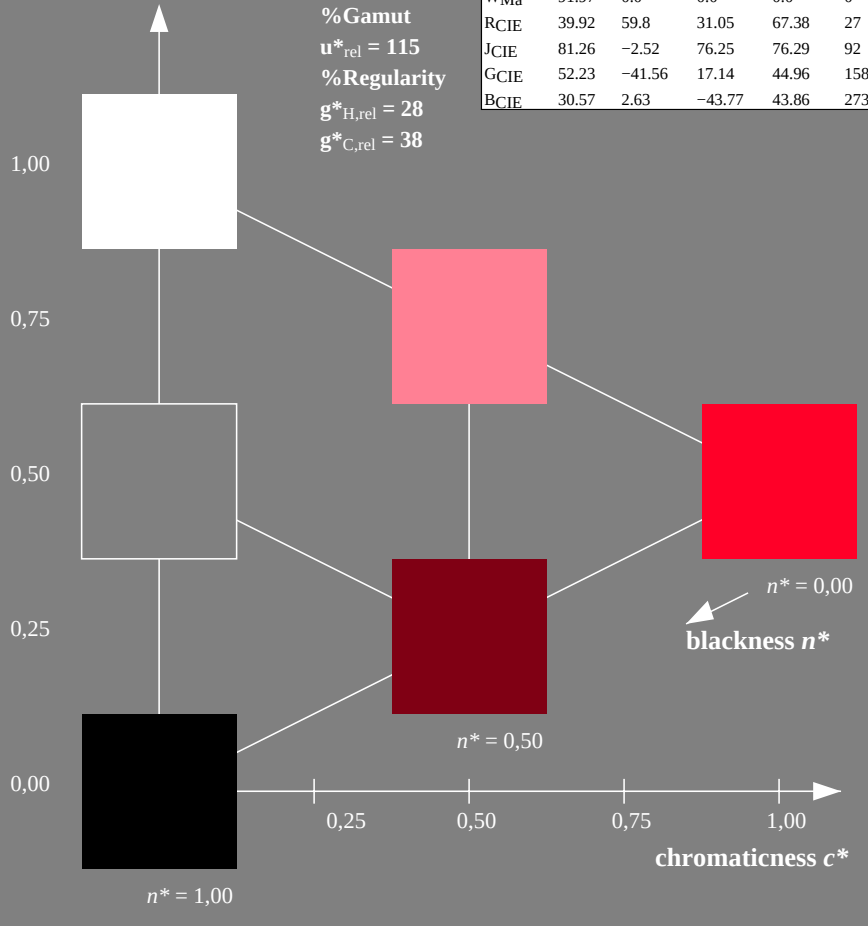


FRS06; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	32.57	62.32	46.49	77.75	37
J_{Ma}	82.73	−3.16	113.99	114.03	92
G_{Ma}	39.43	−61.79	45.84	76.95	143
$G50B_{Ma}$	47.86	−26.79	−34.24	43.49	232
B_{Ma}	10.16	55.12	−61.03	82.24	312
$B50R_{Ma}$	34.5	80.68	−33.92	87.52	337
N_{Ma}	6.25	0.0	0.0	0.0	0
W_{Ma}	91.97	0.0	0.0	0.0	0
R_{CIE}	39.92	59.8	31.05	67.38	27
J_{CIE}	81.26	−2.52	76.25	76.29	92
G_{CIE}	52.23	−41.56	17.14	44.96	158
B_{CIE}	30.57	2.63	−43.77	43.86	273

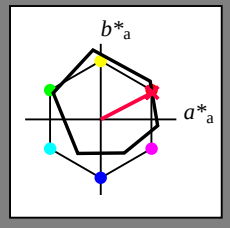
triangle lightness *t**

%Gamut
u^*_{rel} = 115
%Regularity
$g^*_{H,rel}$ = 28
$g^*_{C,rel}$ = 38



Output: Colorimetric Offset Reflective System ORS18
for hue *h = *lab*h* = 27/360 = 0.076**
lab*tch* and *lab*nch

D65: hue R
LCH*Ma: 48 77 27
olv*Ma: 1.0 0.0 0.26

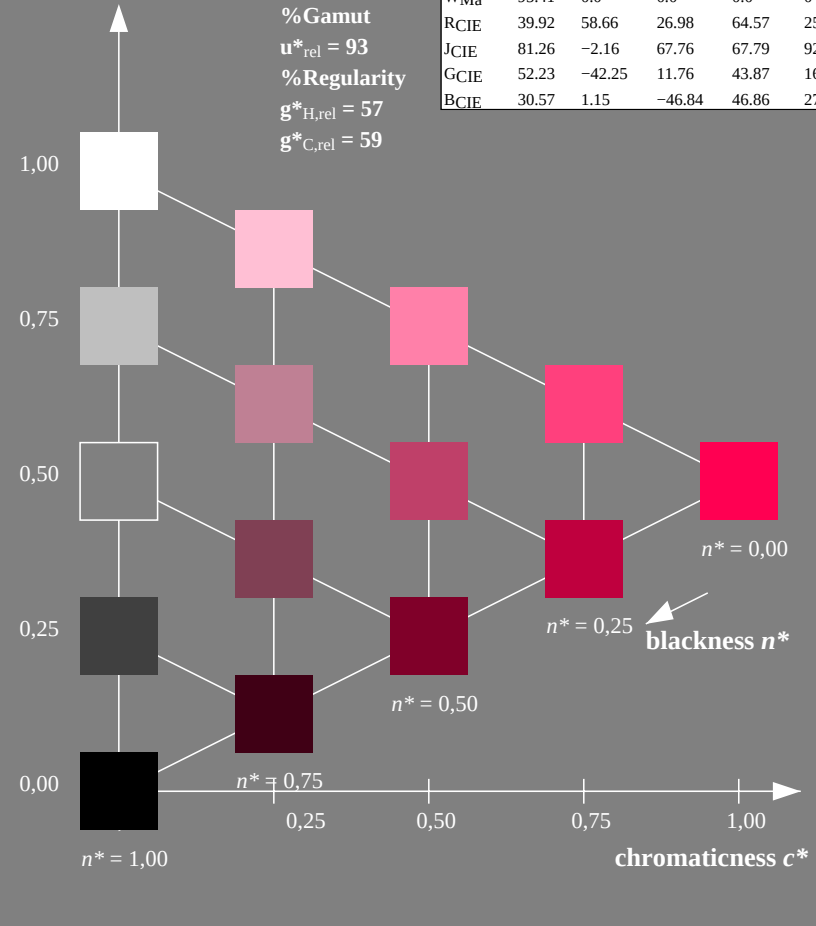


ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	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



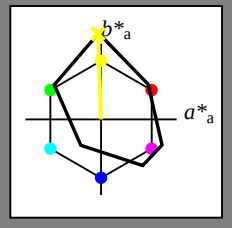
VE460−7, 3 step scales for constant CIELAB hue 27/360 = 0.076 (left)
5 step scales for constant CIELAB hue 27/360 = 0.076 (right)

BAM-test chart VE46; Colorimetric systems CNS18 & ORS18
D65: 3 and 5 step colour scales for 10 hues

input: *olv* setrgbcolor*
output: *olv*' (TRI9) setrgbcolor*

Input: Colorimetric Printer Reflective System FRS06
for hue *h* = lab*h = 92/360 = 0.255*
lab*tch* and *lab*nch

D65: hue J
LCH*Ma: 82 113 92
olv*Ma: 0.99 1.0 0.0

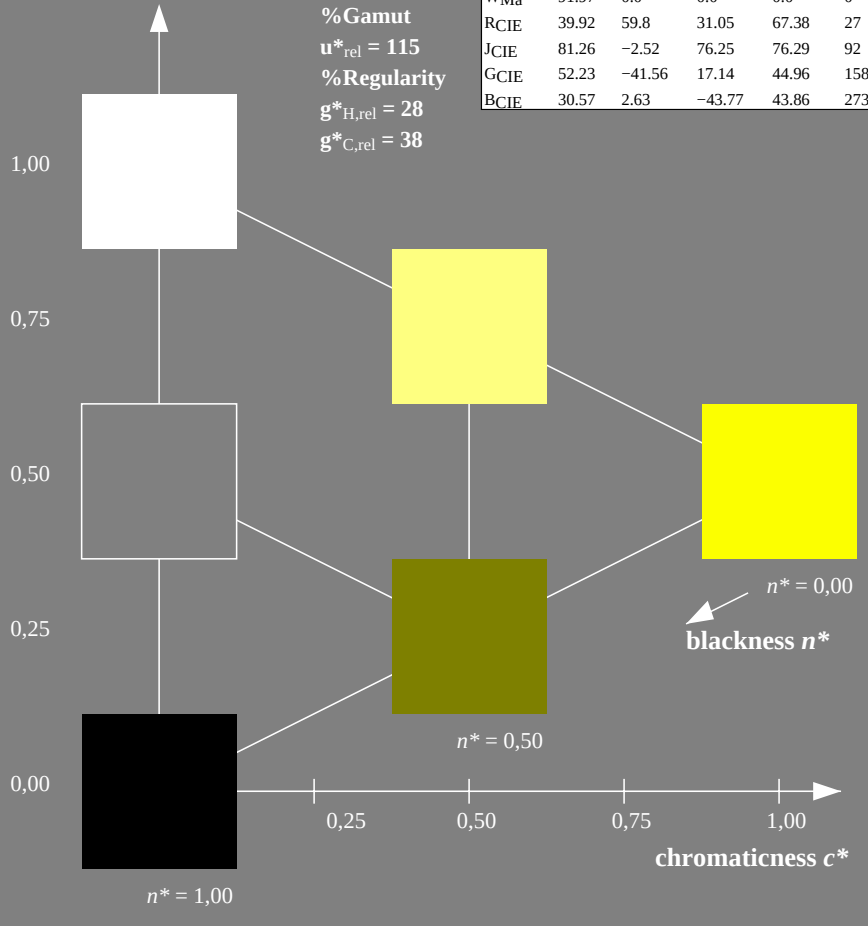


FRS06; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	32.57	62.32	46.49	77.75	37
J_{Ma}	82.73	−3.16	113.99	114.03	92
G_{Ma}	39.43	−61.79	45.84	76.95	143
$G50B_{Ma}$	47.86	−26.79	−34.24	43.49	232
B_{Ma}	10.16	55.12	−61.03	82.24	312
$B50R_{Ma}$	34.5	80.68	−33.92	87.52	337
N_{Ma}	6.25	0.0	0.0	0.0	0
W_{Ma}	91.97	0.0	0.0	0.0	0
R_{CIE}	39.92	59.8	31.05	67.38	27
J_{CIE}	81.26	−2.52	76.25	76.29	92
G_{CIE}	52.23	−41.56	17.14	44.96	158
B_{CIE}	30.57	2.63	−43.77	43.86	273

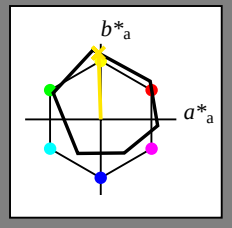
triangle lightness *t**

%Gamut
u^*_{rel} = 115
%Regularity
$g^*_{H,rel}$ = 28
$g^*_{C,rel}$ = 38



Output: Colorimetric Offset Reflective System ORS18
for hue *h* = lab*h = 92/360 = 0.255*
lab*tch* and *lab*nch

D65: hue J
LCH*Ma: 86 88 92
olv*Ma: 1.0 0.9 0.0

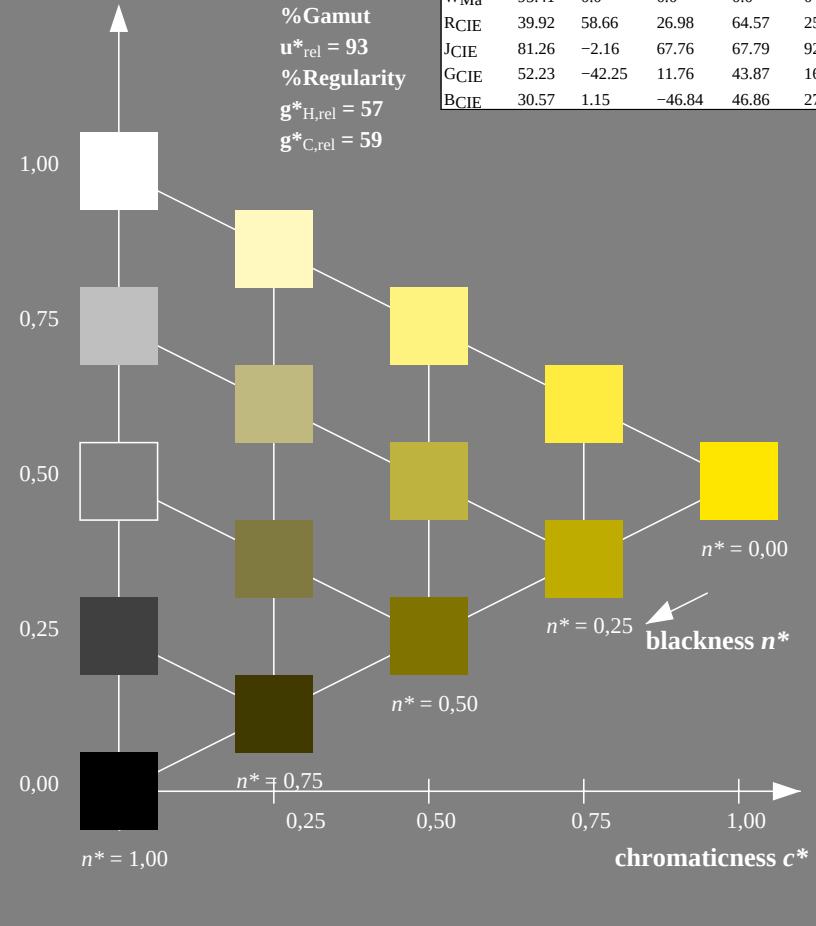


ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	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



VE460−7, 3 step scales for constant CIELAB hue 92/360 = 0.255 (left)

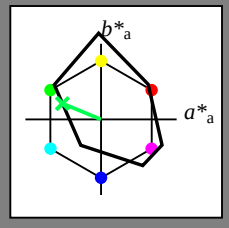
5 step scales for constant CIELAB hue 92/360 = 0.255 (right)

BAM-test chart VE46; Colorimetric systems CNS18 & ORS18
D65: 3 and 5 step colour scales for 10 hues

input: *olv* setrgbcolor*
output: *olv*' (TRI9) setrgbcolor*

Input: Colorimetric Printer Reflective System FRS06
for hue *h* = lab*h = 158/360 = 0.438*
lab*tch* and *lab*nch

D65: hue G
LCH*Ma: 42 55 158
olv*Ma: 0.0 1.0 0.31

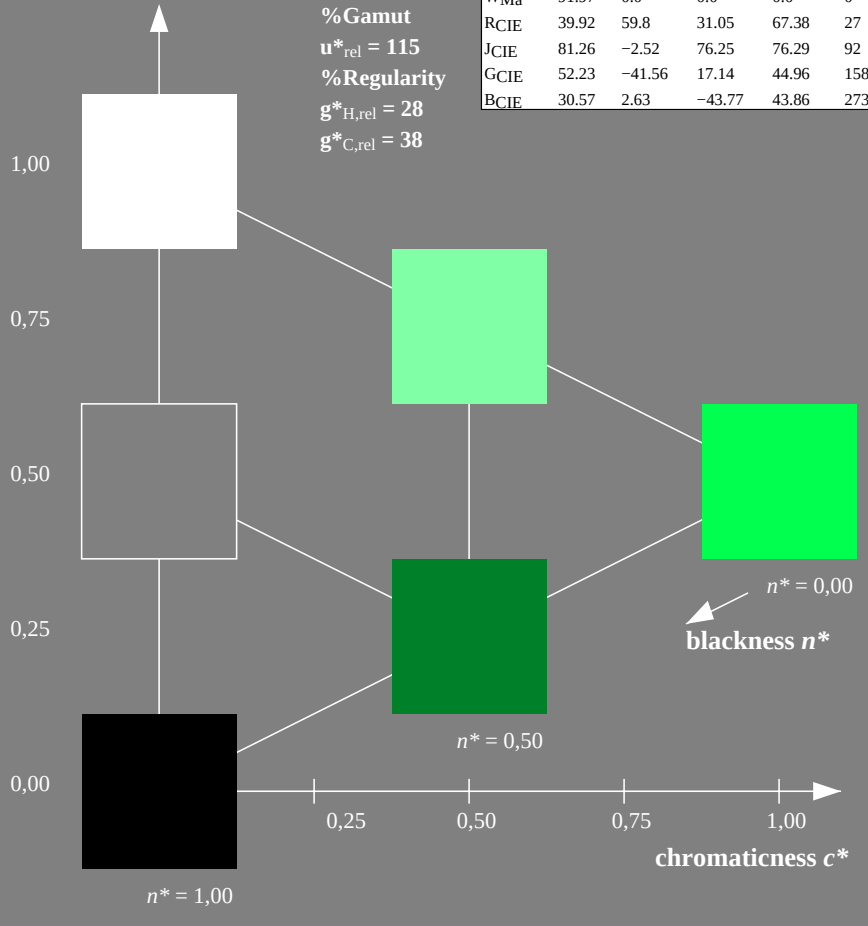


FRS06; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	32.57	62.32	46.49	77.75	37
J_{Ma}	82.73	−3.16	113.99	114.03	92
G_{Ma}	39.43	−61.79	45.84	76.95	143
$G50B_{Ma}$	47.86	−26.79	−34.24	43.49	232
B_{Ma}	10.16	55.12	−61.03	82.24	312
$B50R_{Ma}$	34.5	80.68	−33.92	87.52	337
N_{Ma}	6.25	0.0	0.0	0.0	0
W_{Ma}	91.97	0.0	0.0	0.0	0
R_{CIE}	39.92	59.8	31.05	67.38	27
J_{CIE}	81.26	−2.52	76.25	76.29	92
G_{CIE}	52.23	−41.56	17.14	44.96	158
B_{CIE}	30.57	2.63	−43.77	43.86	273

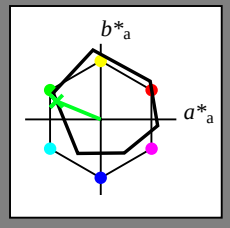
triangle lightness *t**

%Gamut
u^*_{rel} = 115
%Regularity
$g^*_{H,rel}$ = 28
$g^*_{C,rel}$ = 38



Output: Colorimetric Offset Reflective System ORS18
for hue *h* = lab*h = 158/360 = 0.438*
lab*tch* and *lab*nch

D65: hue G
LCH*Ma: 52 63 158
olv*Ma: 0.0 1.0 0.14

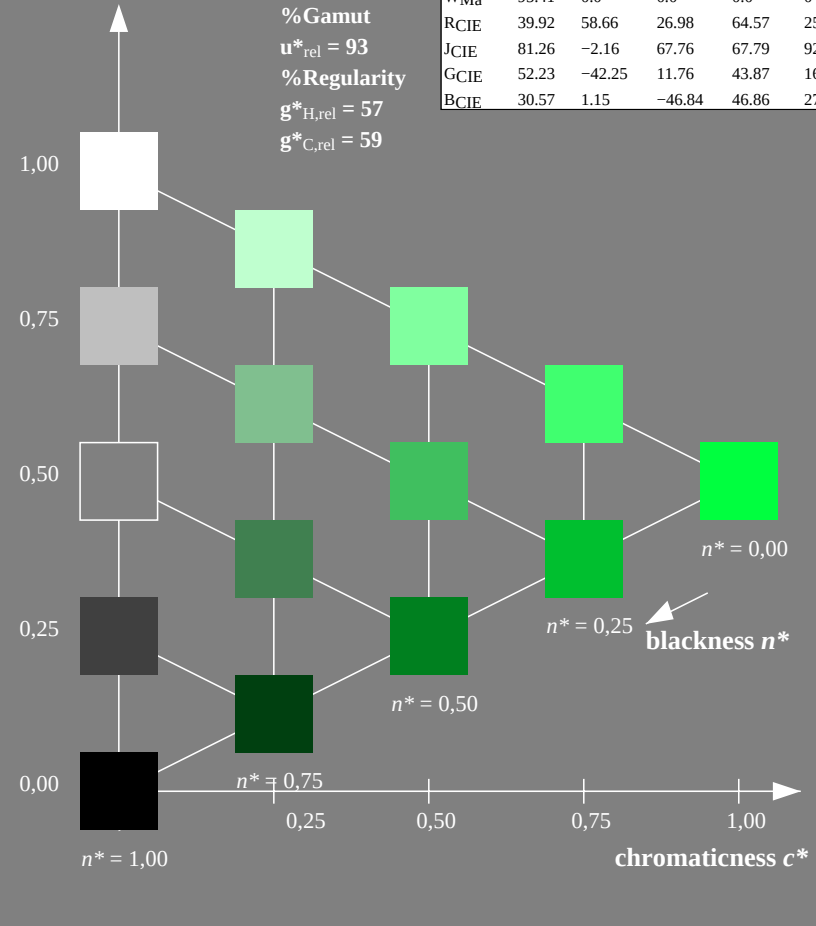


ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	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



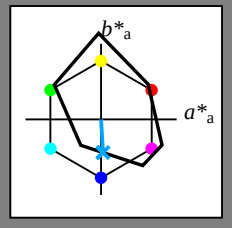
VE460−7, 3 step scales for constant CIELAB hue 158/360 = 0.438 (left)
5 step scales for constant CIELAB hue 158/360 = 0.438 (right)

BAM-test chart VE46; Colorimetric systems CNS18 & ORS18
D65: 3 and 5 step colour scales for 10 hues

input: *olv* setrgbcolor*
output: *olv*' (TRI9) setrgbcolor*

Input: Colorimetric Printer Reflective System FRS06
for hue *h = *lab*h* = 273/360 = 0.76**
lab*tch* and *lab*nch

D65: hue B
LCH*Ma: 34 44 273
olv*Ma: 0.0 0.64 1.0

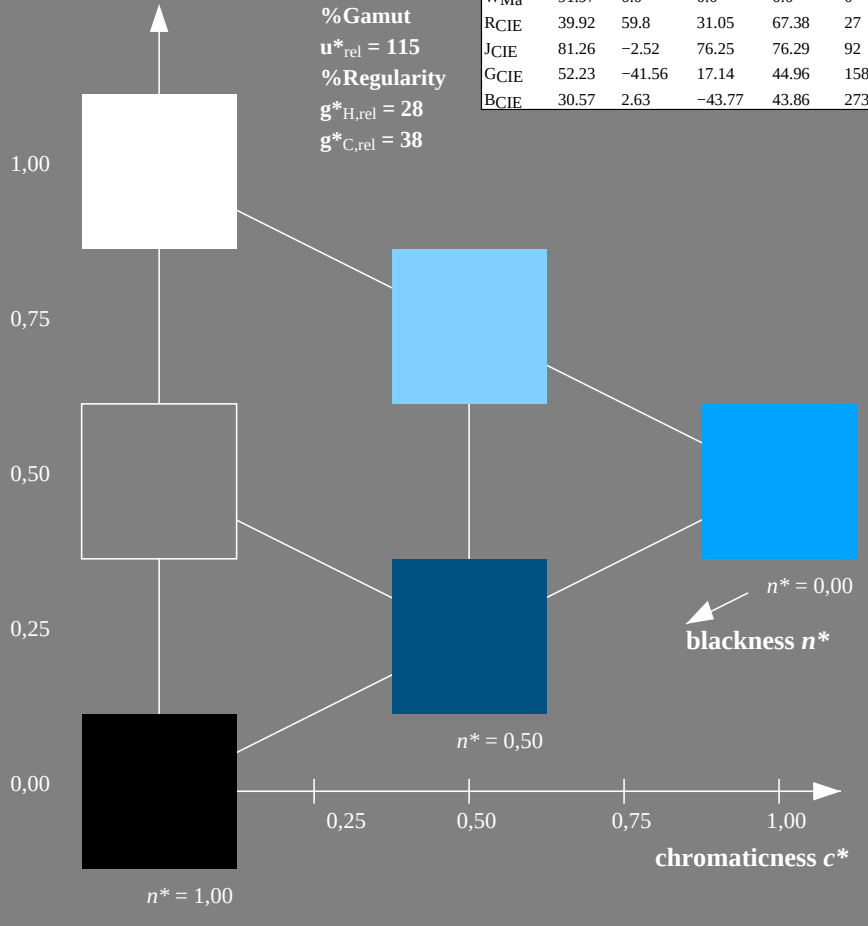


FRS06; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R_{Ma}	32.57	62.32	46.49	77.75	37
J_{Ma}	82.73	−3.16	113.99	114.03	92
G_{Ma}	39.43	−61.79	45.84	76.95	143
$G50B_{Ma}$	47.86	−26.79	−34.24	43.49	232
B_{Ma}	10.16	55.12	−61.03	82.24	312
$B50R_{Ma}$	34.5	80.68	−33.92	87.52	337
N_{Ma}	6.25	0.0	0.0	0.0	0
W_{Ma}	91.97	0.0	0.0	0.0	0
R_{CIE}	39.92	59.8	31.05	67.38	27
J_{CIE}	81.26	−2.52	76.25	76.29	92
G_{CIE}	52.23	−41.56	17.14	44.96	158
B_{CIE}	30.57	2.63	−43.77	43.86	273

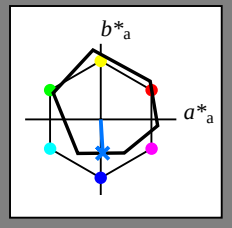
triangle lightness *t**

%Gamut
u^*_{rel} = 115
%Regularity
$g^*_{H,rel}$ = 28
$g^*_{C,rel}$ = 38



Output: Colorimetric Offset Reflective System ORS18
for hue *h = *lab*h* = 273/360 = 0.76**
lab*tch* and *lab*nch

D65: hue B
LCH*Ma: 41 45 273
olv*Ma: 0.0 0.46 1.0

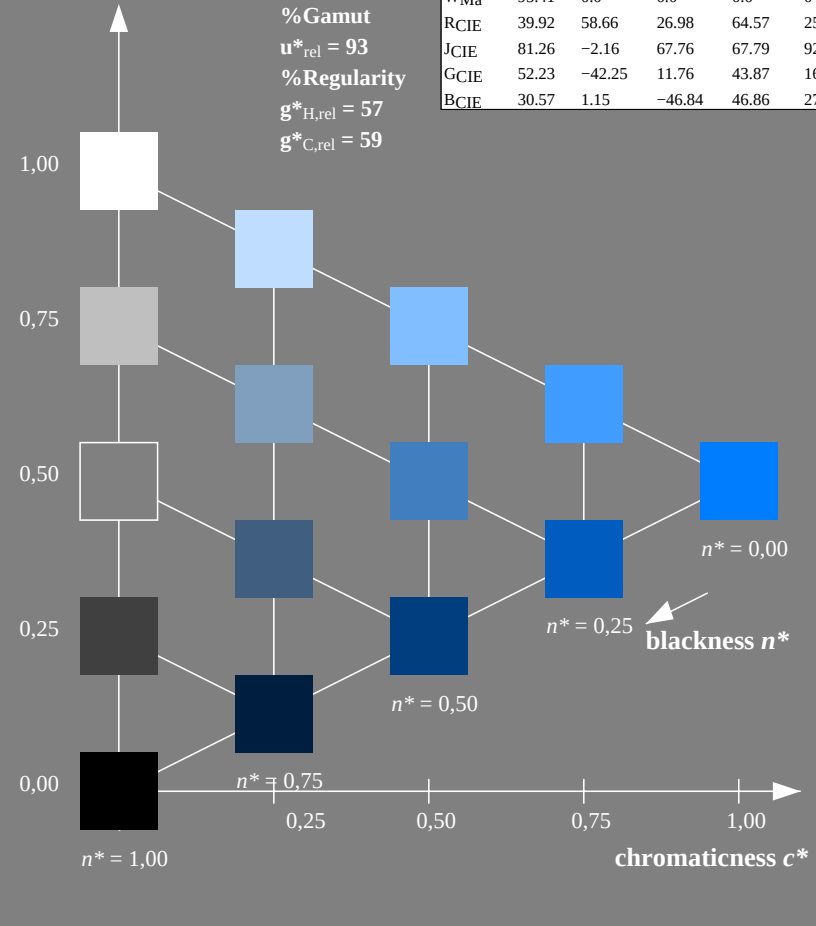


ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.39	50.52	82.63	38
Y_{Ma}	90.37	−10.26	91.75	92.32	96
L_{Ma}	50.9	−62.83	34.96	71.91	151
C_{Ma}	58.62	−30.34	−45.01	54.3	236
V_{Ma}	25.72	31.1	−44.4	54.22	305
M_{Ma}	48.13	75.28	−8.36	75.74	354
N_{Ma}	18.01	0.0	0.0	0.0	0
W_{Ma}	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



VE460−7, 3 step scales for constant CIELAB hue 273/360 = 0.76 (left)
5 step scales for constant CIELAB hue 273/360 = 0.76 (right)

BAM-test chart VE46; Colorimetric systems CNS18 & ORS18
D65: 3 and 5 step colour scales for 10 hues

input: *olv* setrgbcolor*
output: *olv*' (TRI9) setrgbcolor*