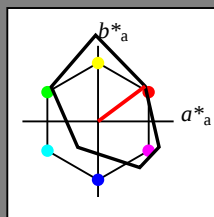


Input: Colorimetric Printer Reflective System FRS06

for hue $h^* = lab^*h = 37/360 = 0.102$
 lab^*ich and lab^*nch

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

triangle lightness t^*



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

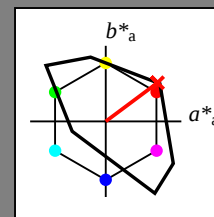
FRS06; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	32.57	62.32	46.49	77.75	37
JMa	82.73	-3.16	113.99	114.03	92
GMa	39.43	-61.79	45.84	76.95	143
G50BMa	47.86	-26.79	-34.24	43.49	232
BMa	10.16	55.12	-61.03	82.24	312
B50RMa	34.5	80.68	-33.92	87.52	337
NMa	6.25	0.0	0.0	0.0	0
WMa	91.97	0.0	0.0	0.0	0
RCIE	39.92	59.8	31.05	67.38	27
JCIE	81.26	-2.52	76.25	76.29	92
GCIE	52.23	-41.56	17.14	44.96	158
BCIE	30.57	2.63	-43.77	43.86	273

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 37/360 = 0.102$
 lab^*ich and lab^*nch

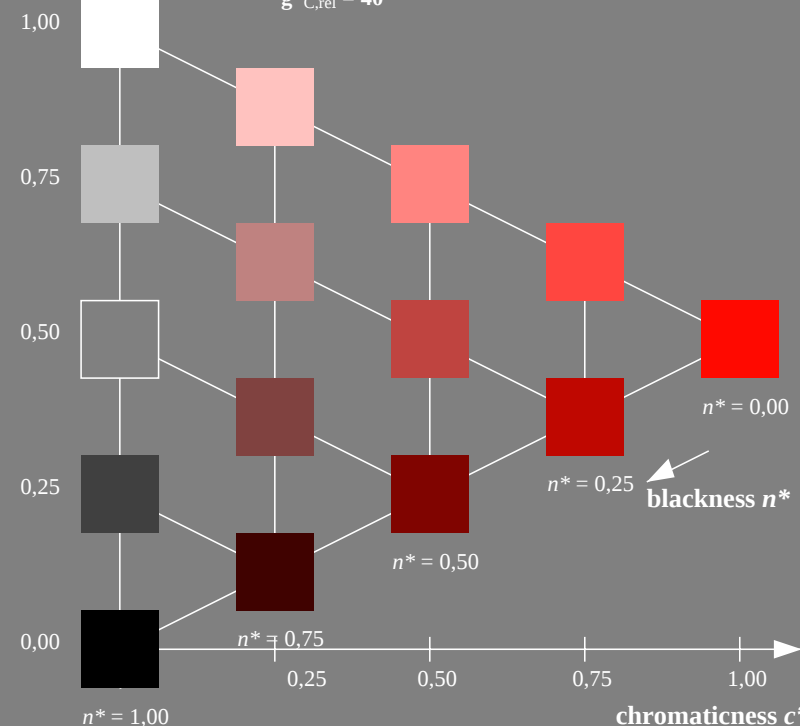
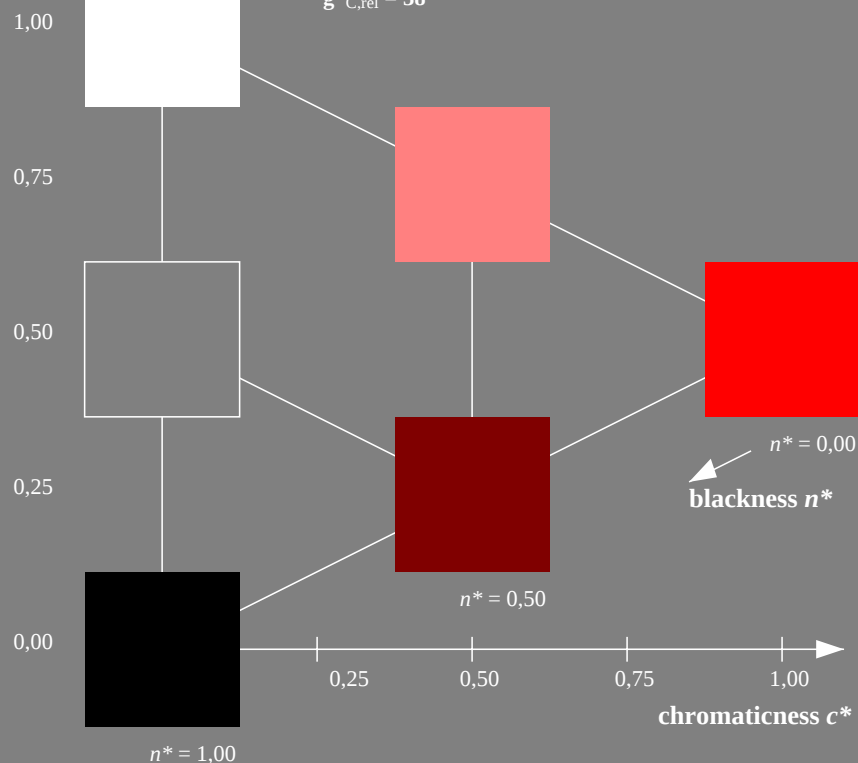
D65: hue O
LCH*Ma: 54 85 37
olv*Ma: 1.0 0.03 0.0

triangle lightness t^*



%Gamut
 $u^*_{rel} = 118$
%Regularity
 $g^*_{H,rel} = 22$
 $g^*_{C,rel} = 40$

TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	52.76	71.63	49.88	87.29	35
YMa	92.74	-20.02	84.97	87.3	103
LMa	84.0	-78.98	73.94	108.2	137
CMa	87.14	-44.41	-13.11	46.32	196
VMa	35.47	64.92	-95.06	115.12	304
MMa	59.01	89.33	-55.67	105.26	328
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272



VE660-7, 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 VE66; Colorimetric systems CNS18 & TLS18
D65: 3 and 5 step colour scales for 10 hues

input: olv* setrgbcolor
output: no change compared to input

Input: Colorimetric Printer Reflective System FRS06

for hue $h^* = lab^*h = 92/360 = 0.254$

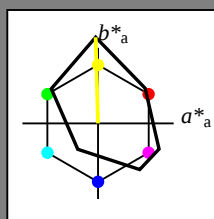
lab^*ich and lab^*nch

D65: hue J

LCH*Ma: 83 114 92

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 115$

%Regularity

$g^*_{H,rel} = 28$

$g^*_{C,rel} = 38$

FRS06; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	32.57	62.32	46.49	77.75	37
JMa	82.73	-3.16	113.99	114.03	92
GMa	39.43	-61.79	45.84	76.95	143
G50BMa	47.86	-26.79	-34.24	43.49	232
BMa	10.16	55.12	-61.03	82.24	312
B50RMa	34.5	80.68	-33.92	87.52	337
NMa	6.25	0.0	0.0	0.0	0
WMa	91.97	0.0	0.0	0.0	0
RCIE	39.92	59.8	31.05	67.38	27
JCIE	81.26	-2.52	76.25	76.29	92
GCIE	52.23	-41.56	17.14	44.96	158
BCIE	30.57	2.63	-43.77	43.86	273

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 92/360 = 0.254$

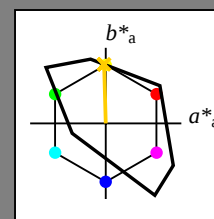
lab^*ich and lab^*nch

D65: hue Y

LCH*Ma: 85 78 92

olv*Ma: 1.0 0.81 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 118$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	52.76	71.63	49.88	87.29	35
YMa	92.74	-20.02	84.97	87.3	103
LMa	84.0	-78.98	73.94	108.2	137
CMa	87.14	-44.41	-13.11	46.32	196
VMa	35.47	64.92	-95.06	115.12	304
MMa	59.01	89.33	-55.67	105.26	328
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

1,00

0,75

0,50

0,25

0,00

$n^* = 1,00$

$n^* = 0,50$

$n^* = 0,00$
blackness n^*

chromaticness c^*

1,00

0,75

0,50

0,25

0,00

$n^* = 1,00$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

blackness n^*

chromaticness c^*

VE660-7, 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 VE66; Colorimetric systems CNS18 & TLS18

D65: 3 and 5 step colour scales for 10 hues

input: olv* setrgbcolor

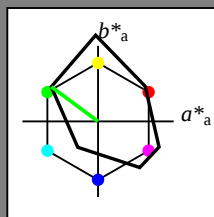
output: no change compared to input

Input: Colorimetric Printer Reflective System FRS06

for hue $h^* = lab^*h = 143/360 = 0.398$
 lab^*ich and lab^*nch

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

triangle lightness t^*



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

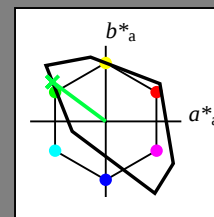
FRS06; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	32.57	62.32	46.49	77.75	37
JMa	82.73	-3.16	113.99	114.03	92
GMa	39.43	-61.79	45.84	76.95	143
G50BMa	47.86	-26.79	-34.24	43.49	232
BMa	10.16	55.12	-61.03	82.24	312
B50RMa	34.5	80.68	-33.92	87.52	337
NMa	6.25	0.0	0.0	0.0	0
WMa	91.97	0.0	0.0	0.0	0
RCIE	39.92	59.8	31.05	67.38	27
JCIE	81.26	-2.52	76.25	76.29	92
GCIE	52.23	-41.56	17.14	44.96	158
BCIE	30.57	2.63	-43.77	43.86	273

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 143/360 = 0.398$
 lab^*ich and lab^*nch

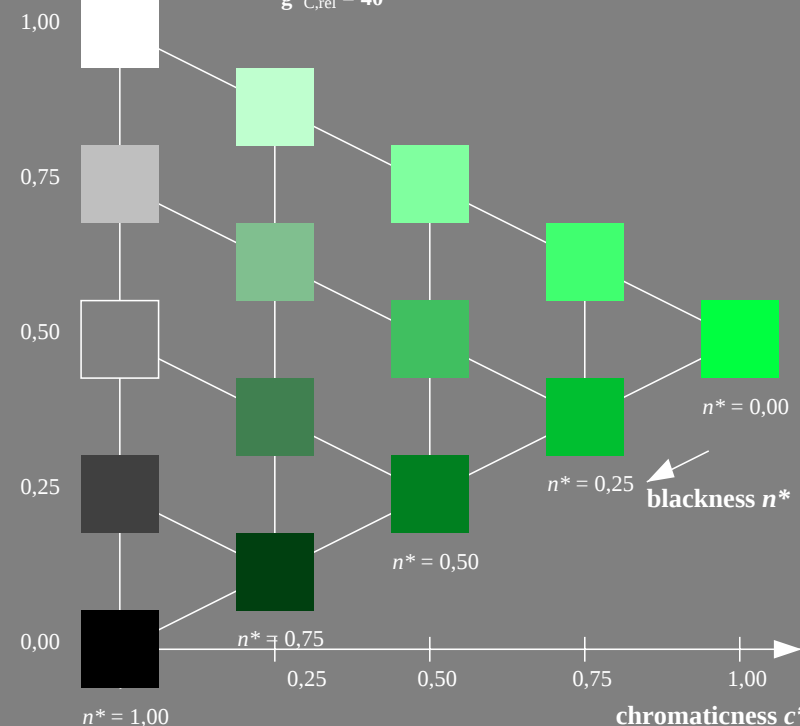
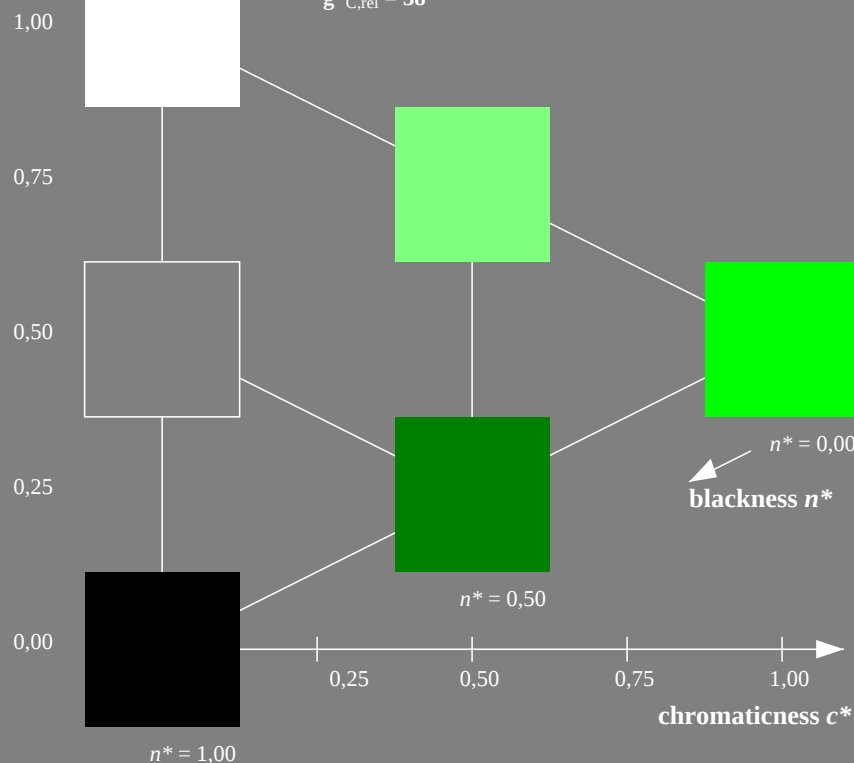
D65: hue L
LCH*Ma: 85 88 143
olv*Ma: 0.0 1.0 0.25

triangle lightness t^*



%Gamut
 $u^*_{rel} = 118$
%Regularity
 $g^*_{H,rel} = 22$
 $g^*_{C,rel} = 40$

TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	52.76	71.63	49.88	87.29	35
YMa	92.74	-20.02	84.97	87.3	103
LMa	84.0	-78.98	73.94	108.2	137
CMa	87.14	-44.41	-13.11	46.32	196
VMa	35.47	64.92	-95.06	115.12	304
MMa	59.01	89.33	-55.67	105.26	328
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272



VE660-7, 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 VE66; Colorimetric systems CNS18 & TLS18

D65: 3 and 5 step colour scales for 10 hues

input: olv* setrgbcolor

output: no change compared to input

Input: Colorimetric Printer Reflective System FRS06

for hue $h^* = lab^*h = 232/360 = 0.644$

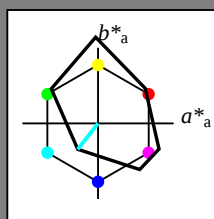
lab^*ich and lab^*nch

D65: hue G50B

LCH*Ma: 48 43 232

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 115$

%Regularity

$g^*_{H,rel} = 28$

$g^*_{C,rel} = 38$

FRS06; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	32.57	62.32	46.49	77.75	37
JMa	82.73	-3.16	113.99	114.03	92
GMa	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
RCIE	39.92	59.8	31.05	67.38	27
JCIE	81.26	-2.52	76.25	76.29	92
GCIE	52.23	-41.56	17.14	44.96	158
BCIE	30.57	2.63	-43.77	43.86	273

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 232/360 = 0.644$

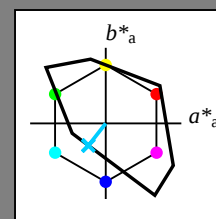
lab^*ich and lab^*nch

D65: hue C

LCH*Ma: 77 37 232

olv*Ma: 0.0 0.8 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 118$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

1,00

0,75

0,50

0,25

0,00

$n^* = 1,00$

$n^* = 0,50$

$n^* = 0,00$
blackness n^*

chromaticness c^*

1,00

0,75

0,50

0,25

0,00

$n^* = 1,00$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$
blackness n^*

chromaticness c^*

VE660-7, 3 step scales for constant CIELAB hue 232/360 = 0.644 (left)



BAM-test chart VE66; Colorimetric systems CNS18 & TLS18

D65: 3 and 5 step colour scales for 10 hues

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

input: olv* setrgbcolor

output: no change compared to input



Input: Colorimetric Printer Reflective System FRS06

for hue $h^* = lab^*h = 312/360 = 0.867$

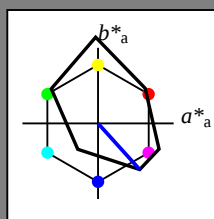
lab^*ich and lab^*nch

D65: hue B

LCH*Ma: 10 82 312

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 115$

%Regularity

$g^*_{H,rel} = 28$

$g^*_{C,rel} = 38$

FRS06; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	32.57	62.32	46.49	77.75	37
JMa	82.73	-3.16	113.99	114.03	92
GMa	39.43	-61.79	45.84	76.95	143
G50BMa	47.86	-26.79	-34.24	43.49	232
BMa	10.16	55.12	-61.03	82.24	312
B50RMa	34.5	80.68	-33.92	87.52	337
NMa	6.25	0.0	0.0	0.0	0
WMa	91.97	0.0	0.0	0.0	0
RCIE	39.92	59.8	31.05	67.38	27
JCIE	81.26	-2.52	76.25	76.29	92
GCIE	52.23	-41.56	17.14	44.96	158
BCIE	30.57	2.63	-43.77	43.86	273

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 312/360 = 0.867$

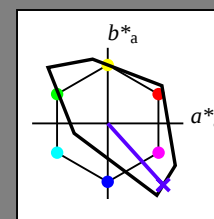
lab^*ich and lab^*nch

D65: hue V

LCH*Ma: 44 110 312

olv*Ma: 0.35 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 118$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	52.76	71.63	49.88	87.29	35
YMa	92.74	-20.02	84.97	87.3	103
LMa	84.0	-78.98	73.94	108.2	137
CMa	87.14	-44.41	-13.11	46.32	196
VMa	35.47	64.92	-95.06	115.12	304
MMa	59.01	89.33	-55.67	105.26	328
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

1,00

0,75

0,50

0,25

0,00

$n^* = 1,00$

$n^* = 0,50$

blackness n^*

chromaticness c^*

1,00

0,75

0,50

0,25

0,00

$n^* = 1,00$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

VE660-7, 3 step scales for constant CIELAB hue 312/360 = 0.867 (left)



BAM-test chart VE66; Colorimetric systems CNS18 & TLS18

D65: 3 and 5 step colour scales for 10 hues

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

input: olv* setrgbcolor

output: no change compared to input



Input: Colorimetric Printer Reflective System FRS06

for hue $h^* = lab^*h = 337/360 = 0.937$

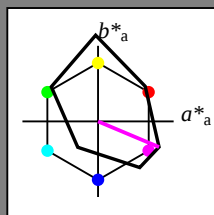
lab^*ich and lab^*nch

D65: hue B50R

LCH*Ma: 35 88 337

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 115$

%Regularity

$g^*_{H,rel} = 28$

$g^*_{C,rel} = 38$

FRS06; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	32.57	62.32	46.49	77.75	37
JMa	82.73	-3.16	113.99	114.03	92
GMa	39.43	-61.79	45.84	76.95	143
G50BMa	47.86	-26.79	-34.24	43.49	232
BMa	10.16	55.12	-61.03	82.24	312
B50RMa	34.5	80.68	-33.92	87.52	337
NMa	6.25	0.0	0.0	0.0	0
WMa	91.97	0.0	0.0	0.0	0
RCIE	39.92	59.8	31.05	67.38	27
JCIE	81.26	-2.52	76.25	76.29	92
GCIE	52.23	-41.56	17.14	44.96	158
BCIE	30.57	2.63	-43.77	43.86	273

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 337/360 = 0.937$

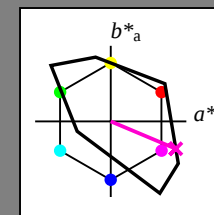
lab^*ich and lab^*nch

D65: hue M

LCH*Ma: 58 93 337

olv*Ma: 1.0 0.0 0.82

triangle lightness t^*



%Gamut

$u^*_{rel} = 118$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	52.76	71.63	49.88	87.29	35
YMa	92.74	-20.02	84.97	87.3	103
LMa	84.0	-78.98	73.94	108.2	137
CMa	87.14	-44.41	-13.11	46.32	196
VMa	35.47	64.92	-95.06	115.12	304
MMa	59.01	89.33	-55.67	105.26	328
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

1,00

0,75

0,50

0,25

0,00

$n^* = 1,00$

$n^* = 0,50$

blackness n^*

$n^* = 0,00$

chromaticness c^*

1,00

0,75

0,50

0,25

0,00

$n^* = 1,00$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

blackness n^*

chromaticness c^*

VE660-7, 3 step scales for constant CIELAB hue 337/360 = 0.937 (left)



BAM-test chart VE66; Colorimetric systems CNS18 & TLS18

D65: 3 and 5 step colour scales for 10 hues

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

input: olv* setrgbcolor

output: no change compared to input



Input: Colorimetric Printer Reflective System FRS06

for hue $h^* = lab^*h = 27/360 = 0.076$

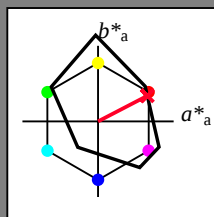
lab^*ich and lab^*nch

D65: hue R

LCH*Ma: 33 73 27

olv*Ma: 1.0 0.0 0.16

triangle lightness t^*



%Gamut

$u^*_{rel} = 115$

%Regularity

$g^*_{H,rel} = 28$

$g^*_{C,rel} = 38$

FRS06; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	32.57	62.32	46.49	77.75	37
JMa	82.73	-3.16	113.99	114.03	92
GMa	39.43	-61.79	45.84	76.95	143
G50BMa	47.86	-26.79	-34.24	43.49	232
BMa	10.16	55.12	-61.03	82.24	312
B50RMa	34.5	80.68	-33.92	87.52	337
NMa	6.25	0.0	0.0	0.0	0
WMa	91.97	0.0	0.0	0.0	0
RCIE	39.92	59.8	31.05	67.38	27
JCIE	81.26	-2.52	76.25	76.29	92
GCIE	52.23	-41.56	17.14	44.96	158
BCIE	30.57	2.63	-43.77	43.86	273

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 27/360 = 0.076$

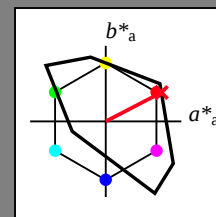
lab^*ich and lab^*nch

D65: hue R

LCH*Ma: 53 83 27

olv*Ma: 1.0 0.0 0.11

triangle lightness t^*



%Gamut

$u^*_{rel} = 118$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	52.76	71.63	49.88	87.29	35
YMa	92.74	-20.02	84.97	87.3	103
LMa	84.0	-78.98	73.94	108.2	137
CMa	87.14	-44.41	-13.11	46.32	196
VMa	35.47	64.92	-95.06	115.12	304
MMa	59.01	89.33	-55.67	105.26	328
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

1,00

0,75

0,50

0,25

0,00

$n^* = 1,00$

$n^* = 0,50$

blackness n^*

chromaticness c^*

1,00

0,75

0,50

0,25

0,00

$n^* = 1,00$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

chromaticness c^*

VE660-7, 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 VE66; Colorimetric systems CNS18 & TLS18

D65: 3 and 5 step colour scales for 10 hues

input: olv* setrgbcolor

output: no change compared to input

Input: Colorimetric Printer Reflective System FRS06

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

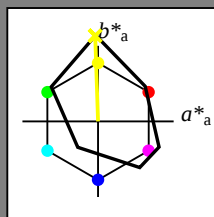
lab^*ich and lab^*nch

D65: hue J

LCH*Ma: 82 113 92

olv*Ma: 0.99 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 115$

%Regularity

$g^*_{H,rel} = 28$

$g^*_{C,rel} = 38$

FRS06; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	32.57	62.32	46.49	77.75	37
JMa	82.73	-3.16	113.99	114.03	92
GMa	39.43	-61.79	45.84	76.95	143
G50BMa	47.86	-26.79	-34.24	43.49	232
BMa	10.16	55.12	-61.03	82.24	312
B50RMa	34.5	80.68	-33.92	87.52	337
NMa	6.25	0.0	0.0	0.0	0
WMa	91.97	0.0	0.0	0.0	0
RCIE	39.92	59.8	31.05	67.38	27
JCIE	81.26	-2.52	76.25	76.29	92
GCIE	52.23	-41.56	17.14	44.96	158
BCIE	30.57	2.63	-43.77	43.86	273

Output: Colorimetric Television Luminous System TLS18

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

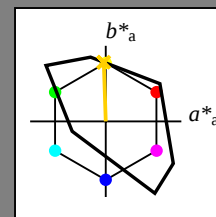
lab^*ich and lab^*nch

D65: hue J

LCH*Ma: 85 78 92

olv*Ma: 1.0 0.81 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 118$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

TLS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	52.76	71.63	49.88	87.29	35
YMa	92.74	-20.02	84.97	87.3	103
LMa	84.0	-78.98	73.94	108.2	137
CMa	87.14	-44.41	-13.11	46.32	196
VMa	35.47	64.92	-95.06	115.12	304
MMa	59.01	89.33	-55.67	105.26	328
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272

1,00

0,75

0,50

0,25

0,00

$n^* = 1,00$

$n^* = 0,50$

blackness n^*

$n^* = 0,00$

chromaticness c^*

1,00

0,75

0,50

0,25

0,00

$n^* = 1,00$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

blackness n^*

chromaticness c^*

VE660-7, 3 step scales for constant CIELAB hue 92/360 = 0.255 (left)



BAM-test chart VE66; Colorimetric systems CNS18 & TLS18

D65: 3 and 5 step colour scales for 10 hues

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

input: olv* setrgbcolor

output: no change compared to input

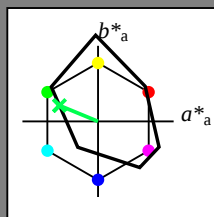


Input: Colorimetric Printer Reflective System FRS06

for hue $h^* = lab^*h = 158/360 = 0.438$
 lab^*ich and lab^*nch

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

triangle lightness t^*



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

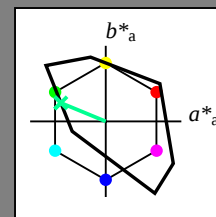
FRS06; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	32.57	62.32	46.49	77.75	37
JMa	82.73	-3.16	113.99	114.03	92
GMa	39.43	-61.79	45.84	76.95	143
G50BMa	47.86	-26.79	-34.24	43.49	232
BMa	10.16	55.12	-61.03	82.24	312
B50RMa	34.5	80.68	-33.92	87.52	337
NMa	6.25	0.0	0.0	0.0	0
WMa	91.97	0.0	0.0	0.0	0
RCIE	39.92	59.8	31.05	67.38	27
JCIE	81.26	-2.52	76.25	76.29	92
GCIE	52.23	-41.56	17.14	44.96	158
BCIE	30.57	2.63	-43.77	43.86	273

Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 158/360 = 0.438$
 lab^*ich and lab^*nch

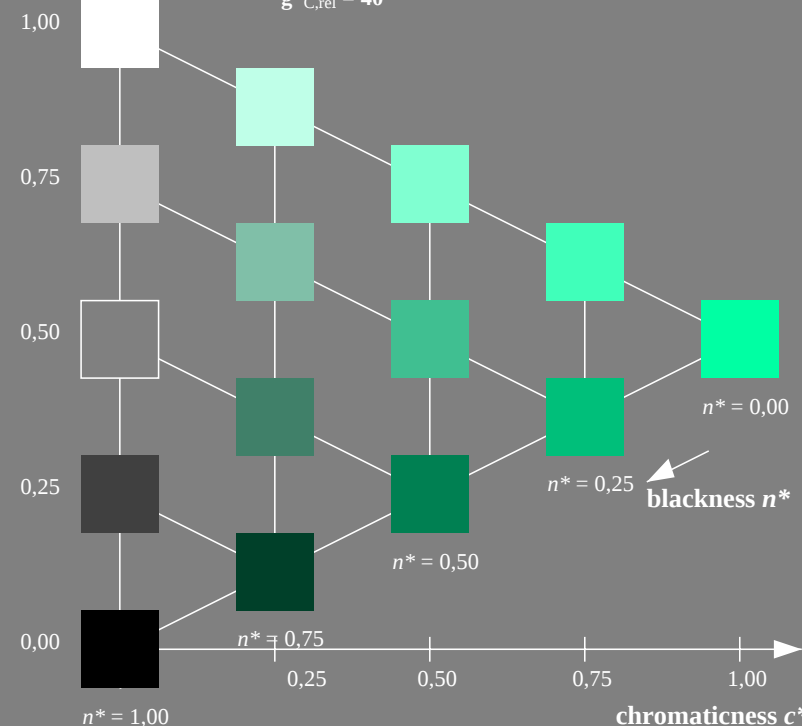
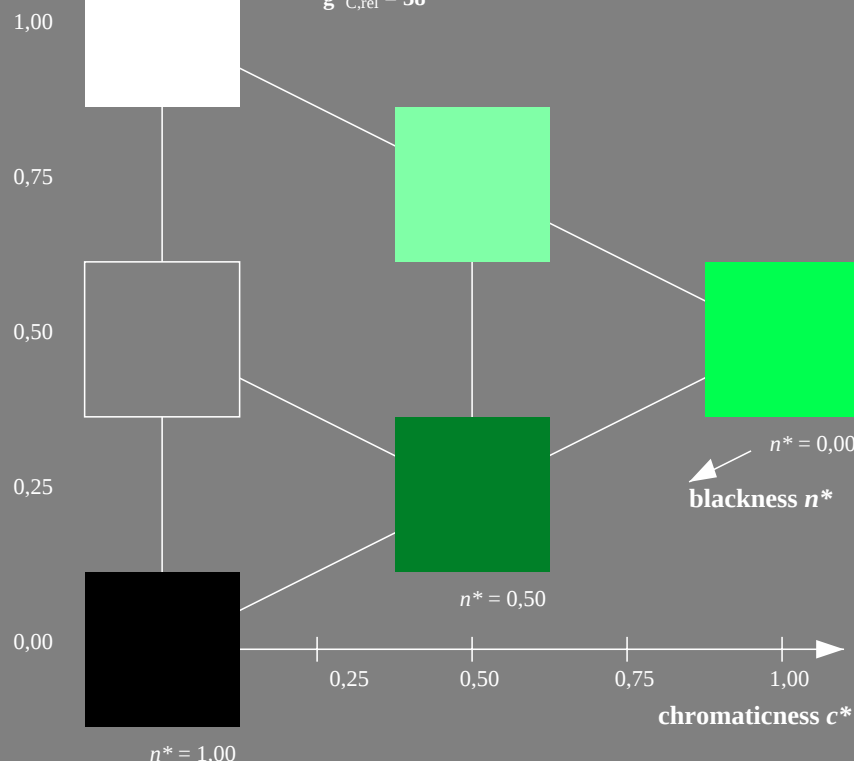
D65: hue G
LCH*Ma: 86 64 158
olv*Ma: 0.0 1.0 0.57

triangle lightness t^*



%Gamut
 $u^*_{rel} = 118$
%Regularity
 $g^*_{H,rel} = 22$
 $g^*_{C,rel} = 40$

TLS18; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	52.76	71.63	49.88	87.29	35
YMa	92.74	-20.02	84.97	87.3	103
LMa	84.0	-78.98	73.94	108.2	137
CMa	87.14	-44.41	-13.11	46.32	196
VMa	35.47	64.92	-95.06	115.12	304
MMa	59.01	89.33	-55.67	105.26	328
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	272



VE660-7, 3 step scales for constant CIE LAB hue 158/360 = 0.438 (left)

5 step scales for constant CIE LAB hue 158/360 = 0.438 (right)

BAM-test chart VE66; Colorimetric systems CNS18 & TLS18

D65: 3 and 5 step colour scales for 10 hues

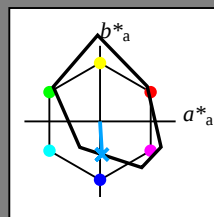
input: olv* setrgbcolor

output: no change compared to input

Input: Colorimetric Printer Reflective System FRS06

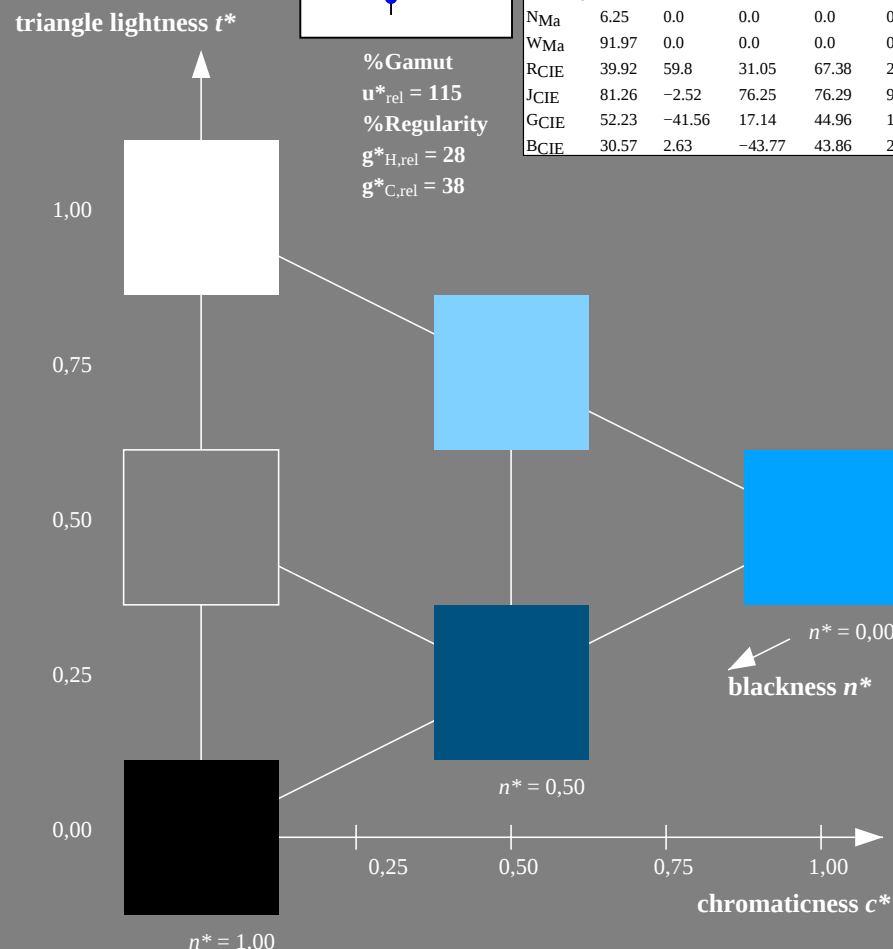
for hue $h^* = lab^*h = 273/360 = 0.76$
 lab^*tch and lab^*nch

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



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

FRS06; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	32.57	62.32	46.49	77.75	37
JMa	82.73	-3.16	113.99	114.03	92
GMa	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
RCIE	39.92	59.8	31.05	67.38	27
JCIE	81.26	-2.52	76.25	76.29	92
GCIE	52.23	-41.56	17.14	44.96	158
BCIE	30.57	2.63	-43.77	43.86	273



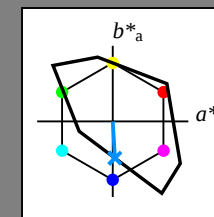
VE660-7, 3 step scales for constant CIELAB hue 273/360 = 0.76 (left)

BAM-test chart VE66; Colorimetric systems CNS18 & TLS18
D65: 3 and 5 step colour scales for 10 hues

Output: Colorimetric Television Luminous System TLS18

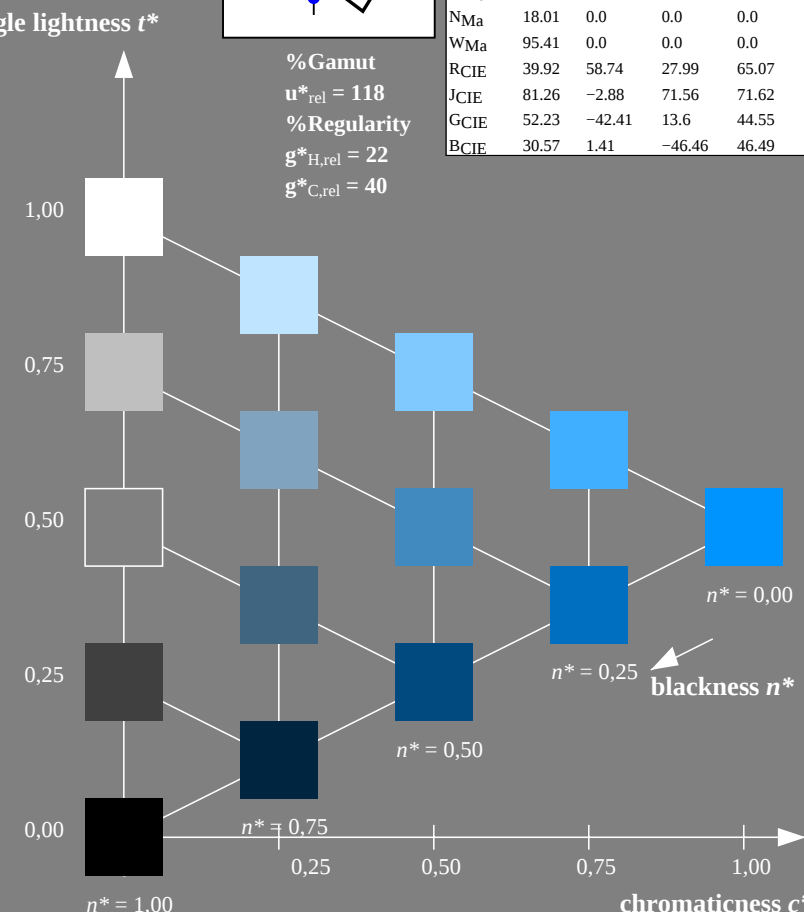
for hue $h^* = lab^*h = 273/360 = 0.76$
 lab^*tch and lab^*nch

D65: hue B
LCH*Ma: 65 49 273
olv*Ma: 0.0 0.57 1.0



%Gamut
 $u^*_{\text{rel}} = 118$
%Regularity
 $g^*_{\text{H,rel}} = 22$
 $g^*_{\text{C,rel}} = 40$

TLS18; adapted (a) CIELAB data					
	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	52.76	71.63	49.88	87.29	35
YMa	92.74	-20.02	84.97	87.3	103
LMa	84.0	-78.98	73.94	108.2	137
CMa	87.14	-44.41	-13.11	46.32	196
VMa	35.47	64.92	-95.06	115.12	304
MMa	59.01	89.33	-55.67	105.26	328
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
JCIE	81.26	-2.88	71.56	71.62	92
GCIE	52.23	-42.41	13.6	44.55	162
BCIE	30.57	1.41	-46.46	46.49	277



5 step scales for constant CIELAB hue 273/360 = 0.76 (right)

input: `olv* setrgbcolor`
output: *no change compared to input*