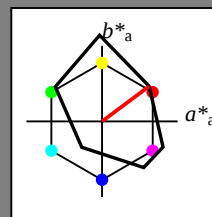


Input: Colorimetric Printer Reflective System FRS06

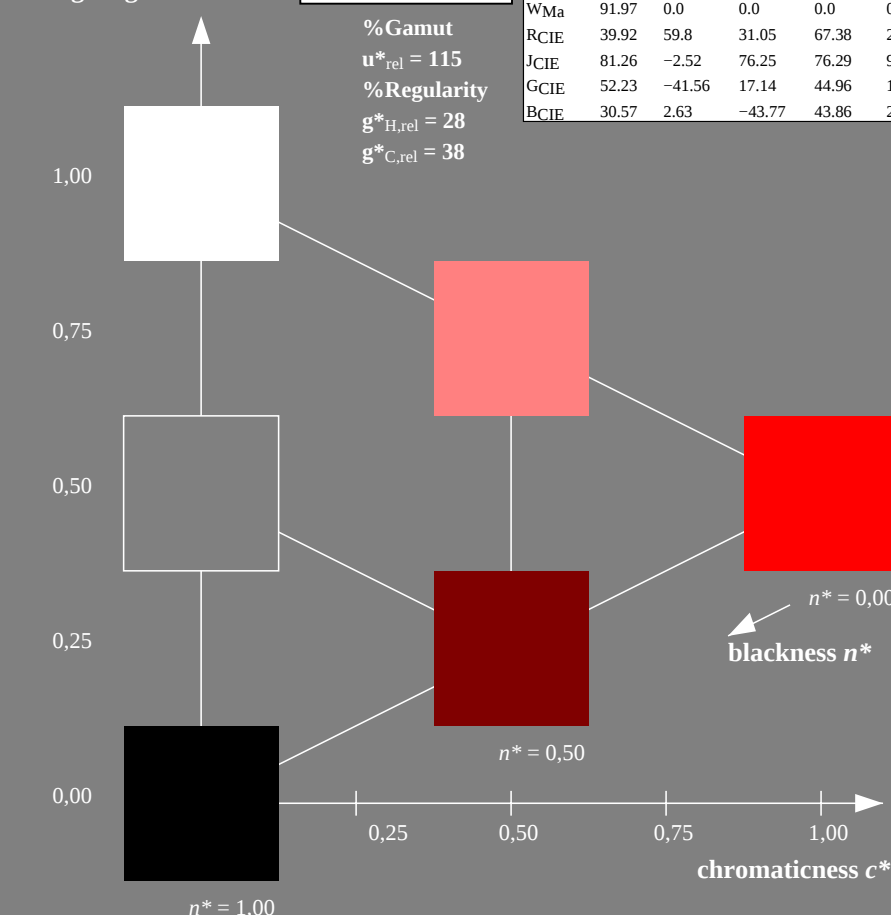
for hue $h^* = lab^*h = 37/360 = 0.102$
 lab^*tch and lab^*nch

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



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

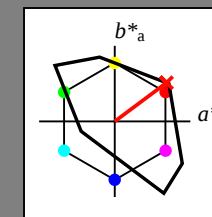
FRS06; adapted (a) CIELAB data						
	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	32.57	62.32	46.49	77.75	37	
JMa	82.73	-3.16	113.99	114.03	92	
GMa	39.43	-61.79	45.84	76.95	143	
G50B _{Ma}	47.86	-26.79	-34.24	43.49	232	
B _{Ma}	10.16	55.12	-61.03	82.24	312	
B50R _{Ma}	34.5	80.68	-33.92	87.52	337	
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

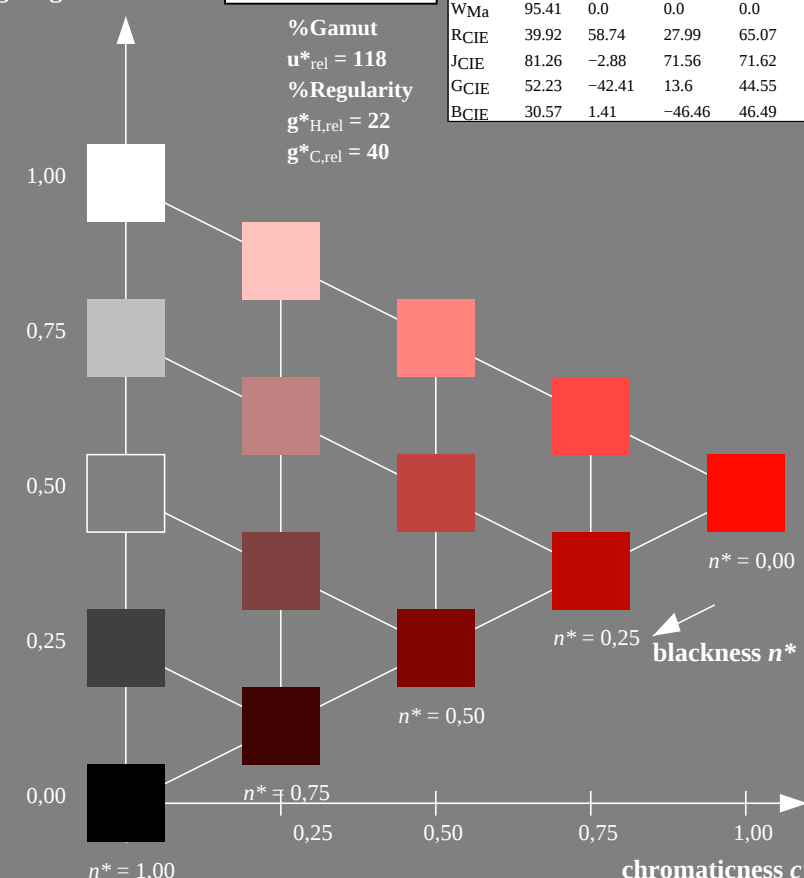
for hue $h^* = lab^*h = 37/360 = 0.102$
 lab^*tch and lab^*nch

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



%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
b	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)

1 BAM-test chart VE66: Colorimetric systems CNS18 & TLS18

D65: 3 and 5 step colour scales for 10 hues

```
input: olv* setrgbcolor
```

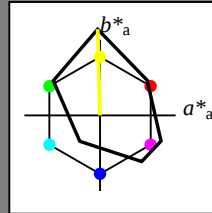
output: *olv** (TRI9) *setrgbcolor*

Input: Colorimetric Printer Reflective System FRS06

for hue $h^* = lab^*h = 92/360 = 0.254$
 lab^*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
 $g^*_{H,rel} = 28$
 $g^*_{C,rel} = 38$

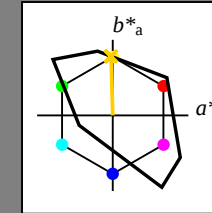
FRS06; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	32.57	62.32	46.49	77.75	37
JMa	82.73	-3.16	113.99	114.03	92
GMa	39.43	-61.79	45.84	76.95	143
G50BMa	47.86	-26.79	-34.24	43.49	232
BMa	10.16	55.12	-61.03	82.24	312
B50RMa	34.5	80.68	-33.92	87.52	337
NMa	6.25	0.0	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

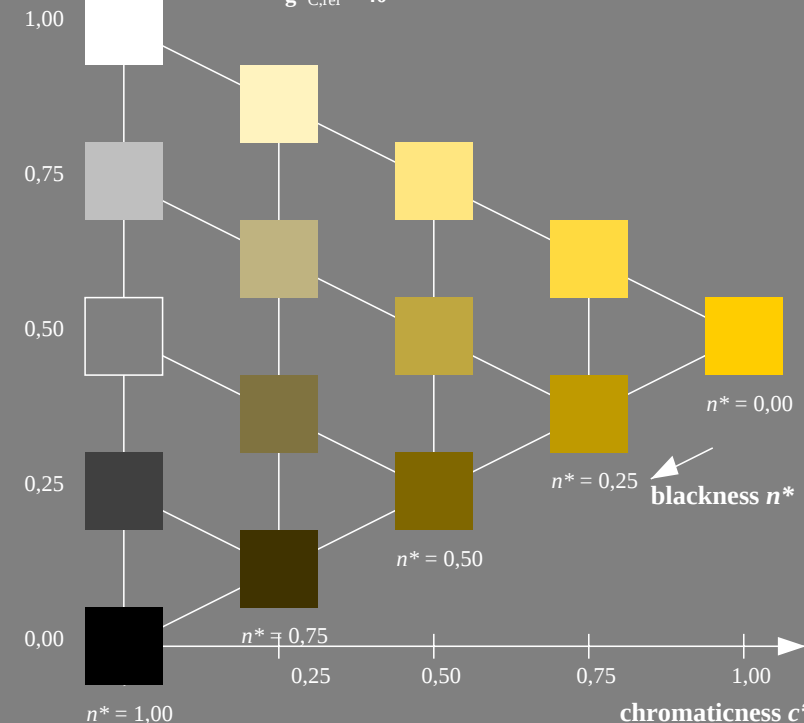
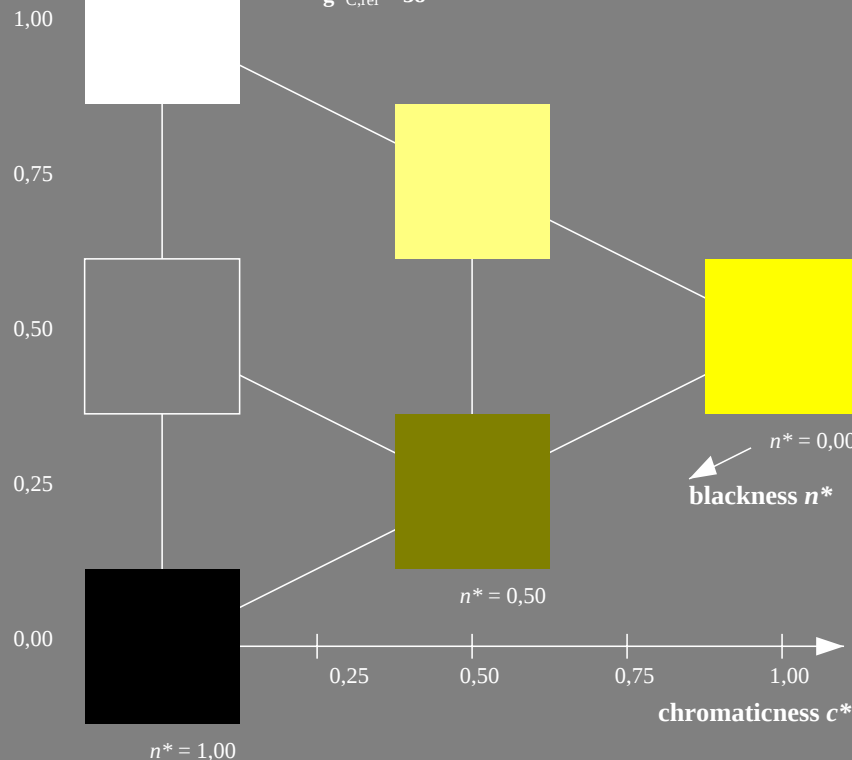
D65: hue Y
LCH*Ma: 85 78 92
olv*Ma: 1.0 0.81 0.0

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



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

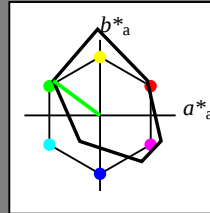
input: olv* setrgbcolor
output: olv*' (TRI9) setrgbcolor

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
 $g^*_{H,rel} = 28$
 $g^*_{C,rel} = 38$

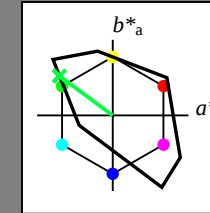
FRS06; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	32.57	62.32	46.49	77.75	37
JMa	82.73	-3.16	113.99	114.03	92
GMa	39.43	-61.79	45.84	76.95	143
G50BMa	47.86	-26.79	-34.24	43.49	232
BMa	10.16	55.12	-61.03	82.24	312
B50RMa	34.5	80.68	-33.92	87.52	337
NMa	6.25	0.0	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

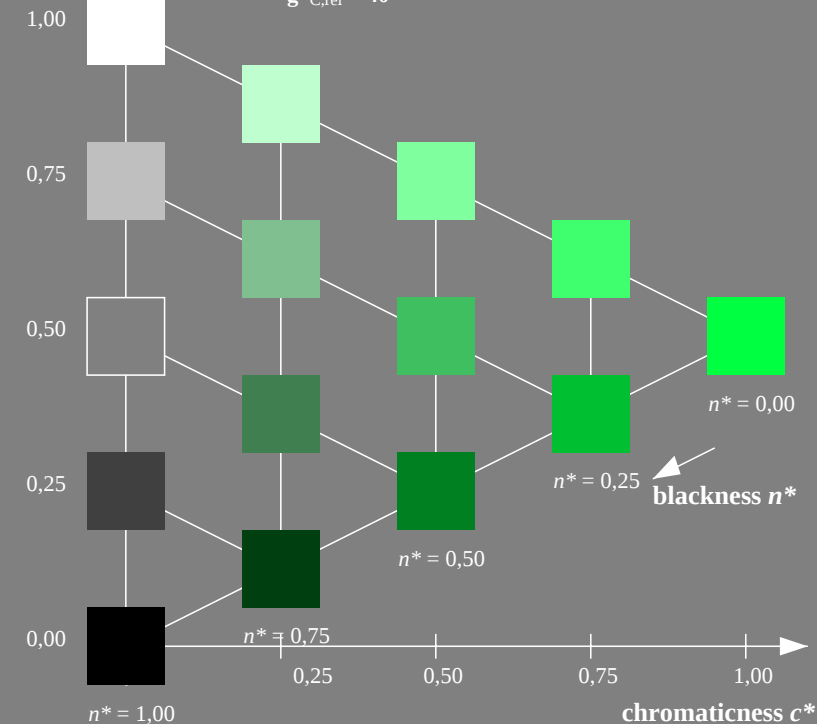
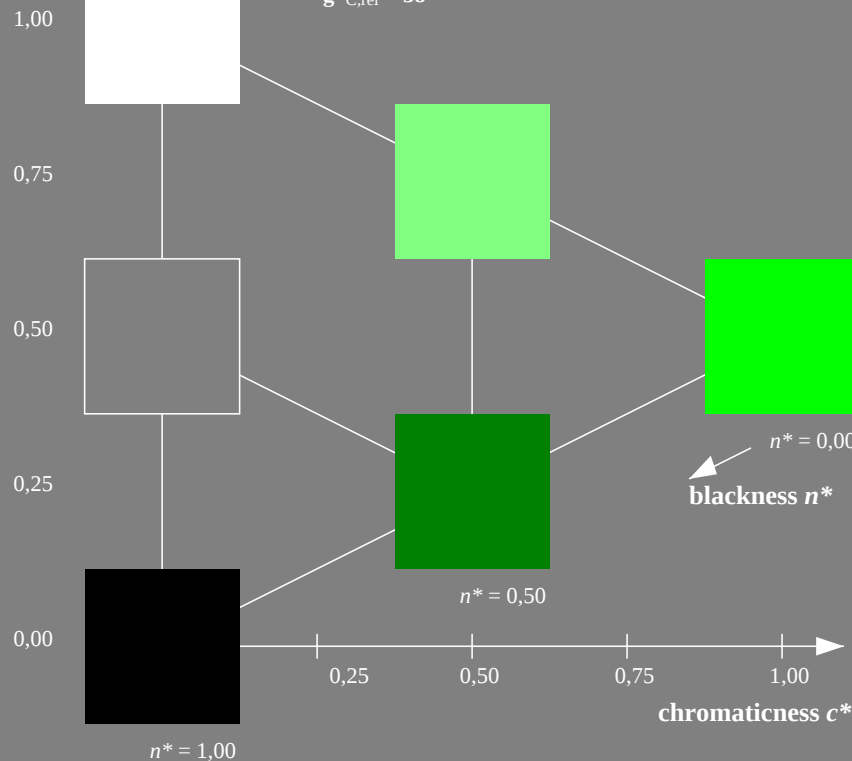
D65: hue L
LCH*Ma: 85 88 143
olv*Ma: 0.0 1.0 0.25

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 CIE LAB hue 143/360 = 0.398 (left)

5 step scales for constant CIE LAB 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: olv*' (TRI9) setrgbcolor

Input: Colorimetric Printer Reflective System FRS06

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

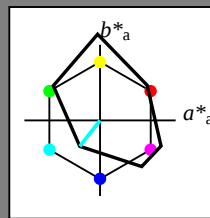
lab^*ich and lab^*nch

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

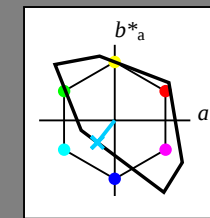
lab^*ich and lab^*nch

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
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
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

$n^* = 1,00$

0,25

$n^* = 0,50$

chromaticness c^*

$n^* = 0,00$

blackness n^*

1,00

0,75

0,50

0,25

0,00

$n^* = 1,00$

0,25

$n^* = 0,50$

chromaticness c^*

$n^* = 0,25$

blackness n^*

$n^* = 0,00$

VE660-7, 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 VE66; Colorimetric systems CNS18 & TLS18

D65: 3 and 5 step colour scales for 10 hues

input: olv* setrgbcolor

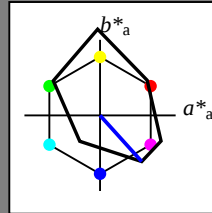
output: olv*' (TRI9) setrgbcolor

Input: Colorimetric Printer Reflective System FRS06

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

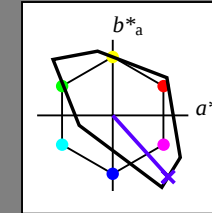
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	32.57	62.32	46.49	77.75	37
JMa	82.73	-3.16	113.99	114.03	92
GMa	39.43	-61.79	45.84	76.95	143
G50BMa	47.86	-26.79	-34.24	43.49	232
BMa	10.16	55.12	-61.03	82.24	312
B50RMa	34.5	80.68	-33.92	87.52	337
NMa	6.25	0.0	0.0	0.0	0
WMa	91.97	0.0	0.0	0.0	0
RCIE	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

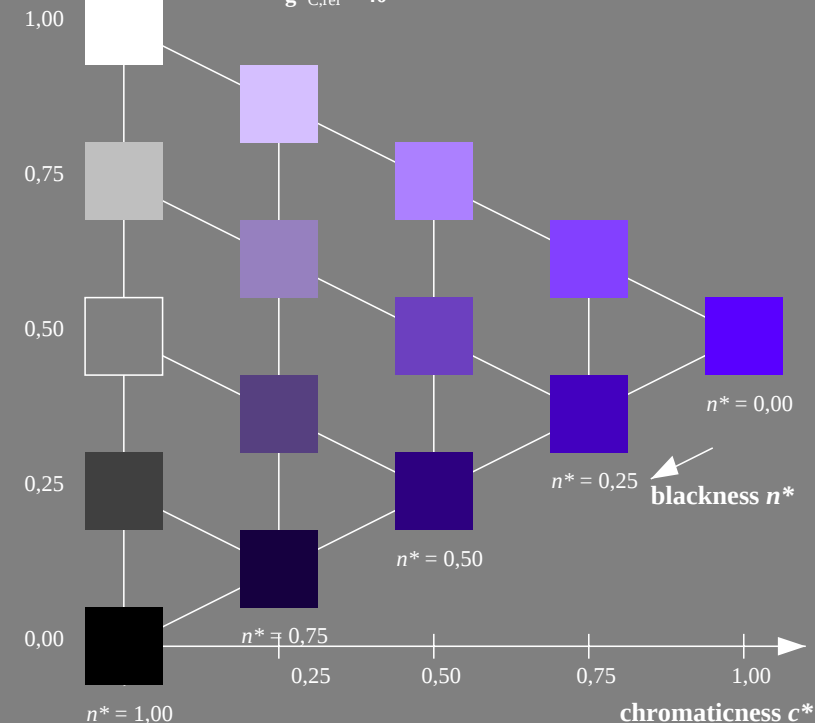
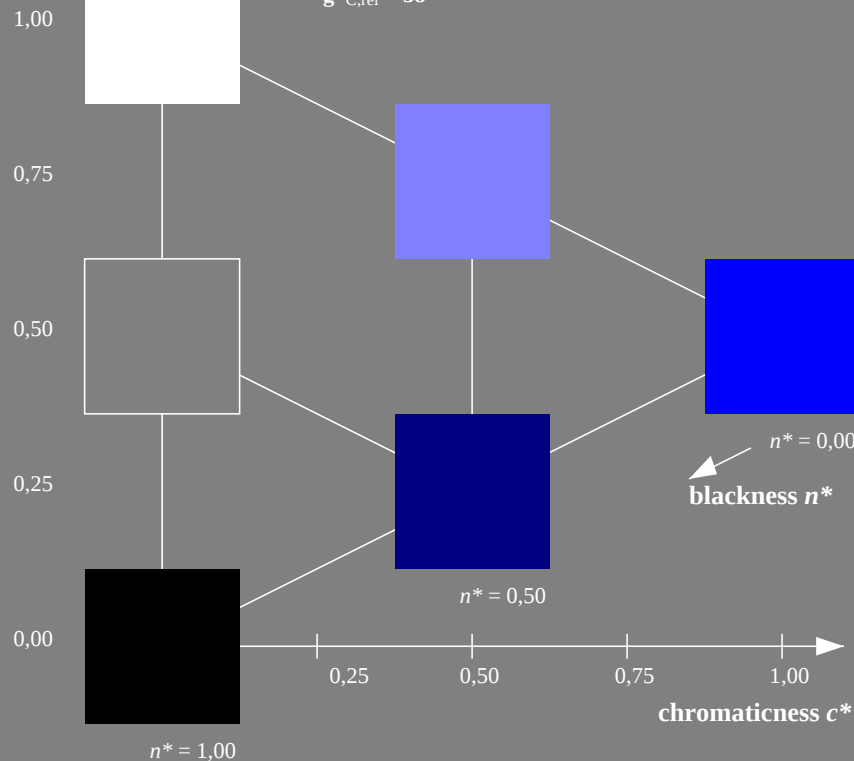
triangle lightness t^*



%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



VE660-7, 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 VE66; Colorimetric systems CNS18 & TLS18

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

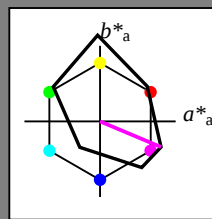
lab^*ich and lab^*nch

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

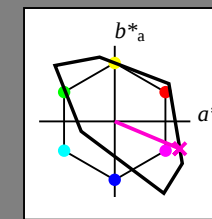
lab^*ich and lab^*nch

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

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,00$

$n^* = 0,50$

$n^* = 0,00$

blackness n^*

1,00

0,75

0,50

0,25

0,00

0,25

0,50

0,75

1,00

chromaticness c^*

$n^* = 1,00$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

blackness n^*

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: olv*' (TRI9) setrgbcolor



Input: Colorimetric Printer Reflective System FRS06

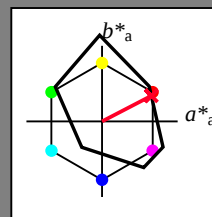
for hue $h^* = lab^*h = 27/360 = 0.076$

lab*tch* and *lab*nch

D65: hue R

LCH*Ma: 33 73 27

olv*Ma: 1.0 0.0 0.16



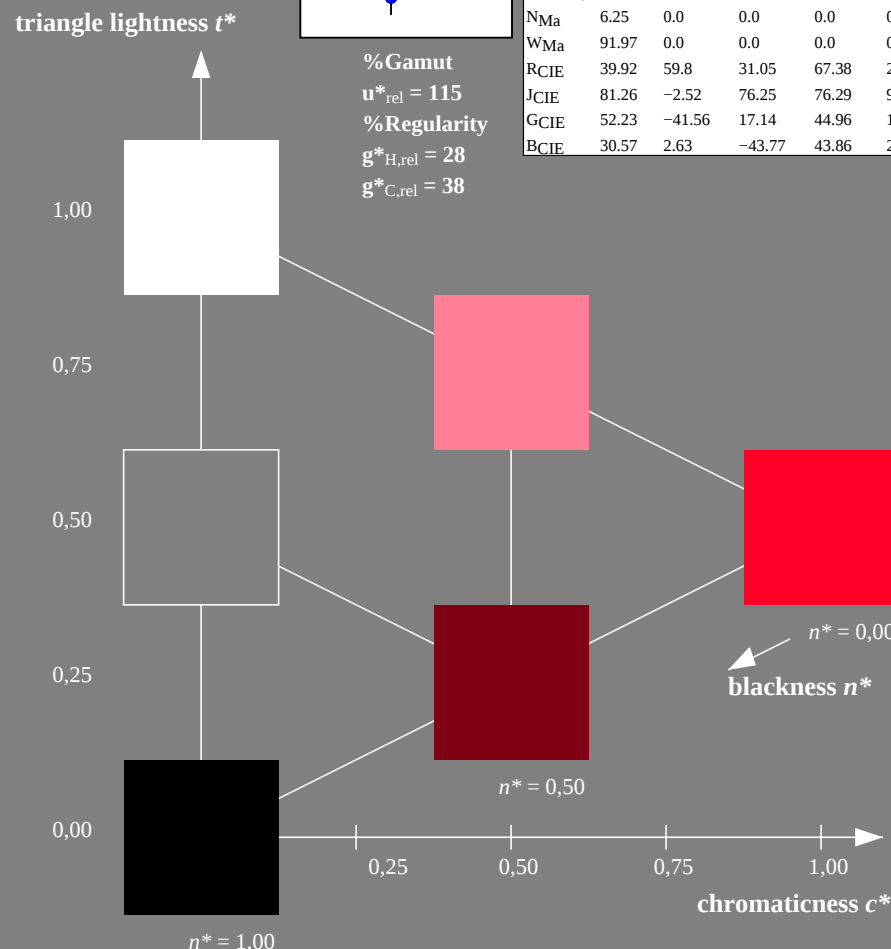
%Gamut

$$u_{rel}^* = 115$$

% Regularity

 $\sigma^*_{\text{H}_{\text{rel}}} = 28$ $\sigma^*_{C_{rel}} = 38$

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 27/360 = 0.076 (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

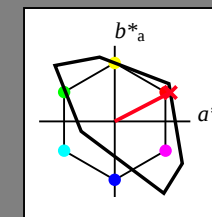
```
for hue  $h^* = lab^*h = 27/360 = 0.076$ 
```

lab*tch and lab*nch

D65: hue R

LCH*Ma: 53 83 27

olv*Ma: 1.0 0.0 0.11



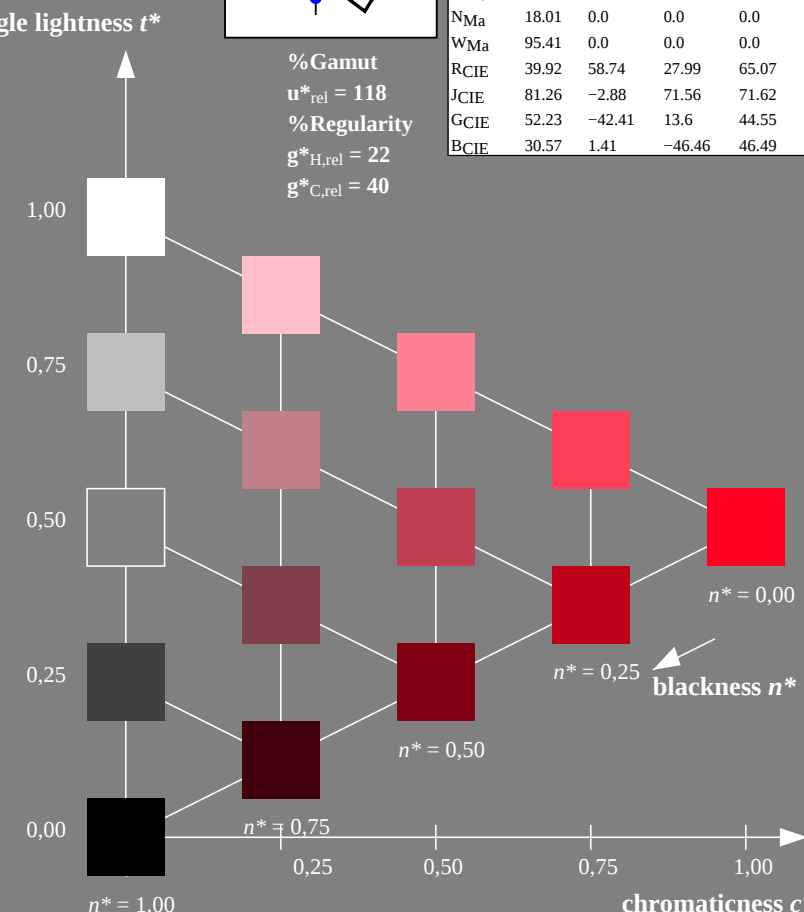
%Gamut

$$\mathbf{u}_{\text{rel}}^* = 118$$

% Regularity

$$g^*_{H_{rel}} = 22$$
$$g^*_{C,rel} = 40$$

TLS18; adapted (a) CIELAB data L^*_{*a} a^*_{*a} b^*_{*a} $C^*_{ab,a}$ $h^*_{ab,a}$						
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
b	GCIE	52.23	-42.41	13.6	44.55	162
	BCIE	30.57	1.41	-46.46	46.49	272



5 step scales for constant CIELAB hue 27/360 = 0.076 (right)

```
input: olv* setrgbcolor
```

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

Input: Colorimetric Printer Reflective System FRS06

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

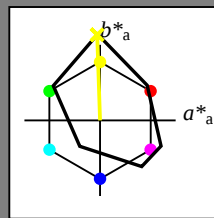
lab^*ich and lab^*nch

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

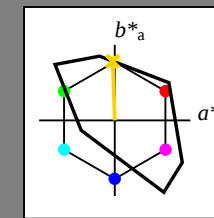
lab^*ich and lab^*nch

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

$n^* = 1,00$

0,25

$n^* = 0,50$

chromaticness c^*

$n^* = 0,00$

blackness n^*

1,00

0,75

0,50

0,25

0,00

$n^* = 1,00$

0,25

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

blackness n^*

chromaticness c^*

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

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

BAM-test chart VE66; Colorimetric systems CNS18 & TLS18

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 $h^* = lab^*h = 158/360 = 0.438$

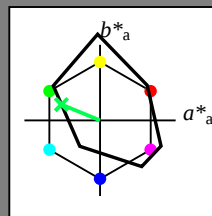
lab^*ich and lab^*nch

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 $h^* = lab^*h = 158/360 = 0.438$

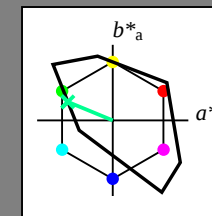
lab^*ich and lab^*nch

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

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

$n^* = 1,00$

$n^* = 0,75$

$n^* = 0,50$

$n^* = 0,25$

$n^* = 0,00$

blackness n^*

chromaticness c^*

VE660-7, 3 step scales for constant CIELAB hue 158/360 = 0.438 (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 158/360 = 0.438 (right)

input: olv* setrgbcolor

output: olv*' (TRI9) setrgbcolor

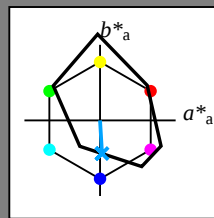


Input: Colorimetric Printer Reflective System FRS06

for hue $h^* = \text{lab}^*h = 273/360 = 0.76$
 lab^*ich and lab^*nch

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

triangle lightness t^*



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

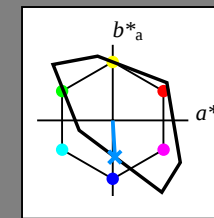
FRS06; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	32.57	62.32	46.49	77.75	37
JMa	82.73	-3.16	113.99	114.03	92
GMa	39.43	-61.79	45.84	76.95	143
G50BMa	47.86	-26.79	-34.24	43.49	232
BMa	10.16	55.12	-61.03	82.24	312
B50RMa	34.5	80.68	-33.92	87.52	337
NMa	6.25	0.0	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 $h^* = \text{lab}^*h = 273/360 = 0.76$
 lab^*ich and lab^*nch

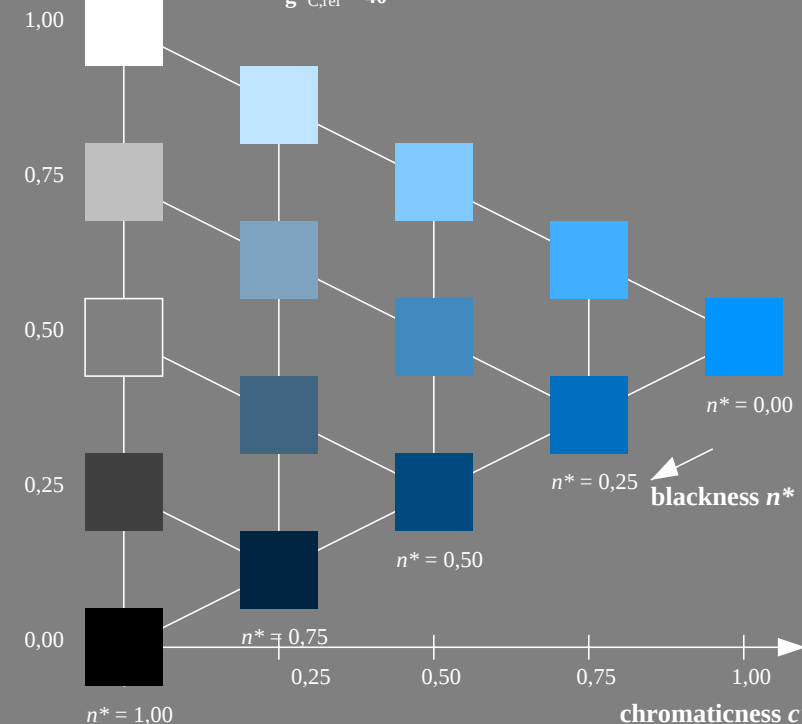
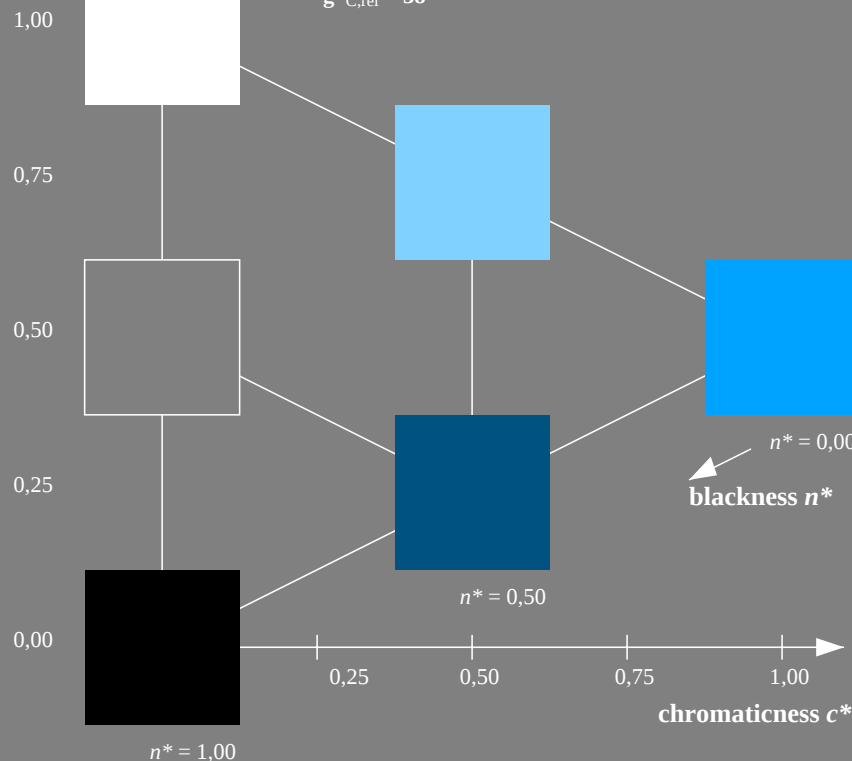
D65: hue B
LCH*Ma: 65 49 273
olv*Ma: 0.0 0.57 1.0

triangle lightness t^*



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

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 273/360 = 0.76 (left)

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

BAM-test chart VE66; Colorimetric systems CNS18 & TLS18

D65: 3 and 5 step colour scales for 10 hues

input: olv* setrgbcolor

output: olv*' (TRI9) setrgbcolor