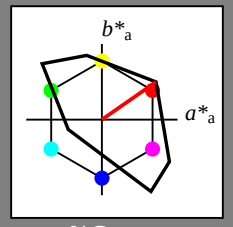
Input: Colorimetric Television Luminous System TLS18

for hue *h* = lab*h = 35/360 = 0.097*
*lab*tch* and *lab*nch*

D65: hue O
LCH*Ma: 53 87 35
olv*Ma: 1.0 0.0 0.0

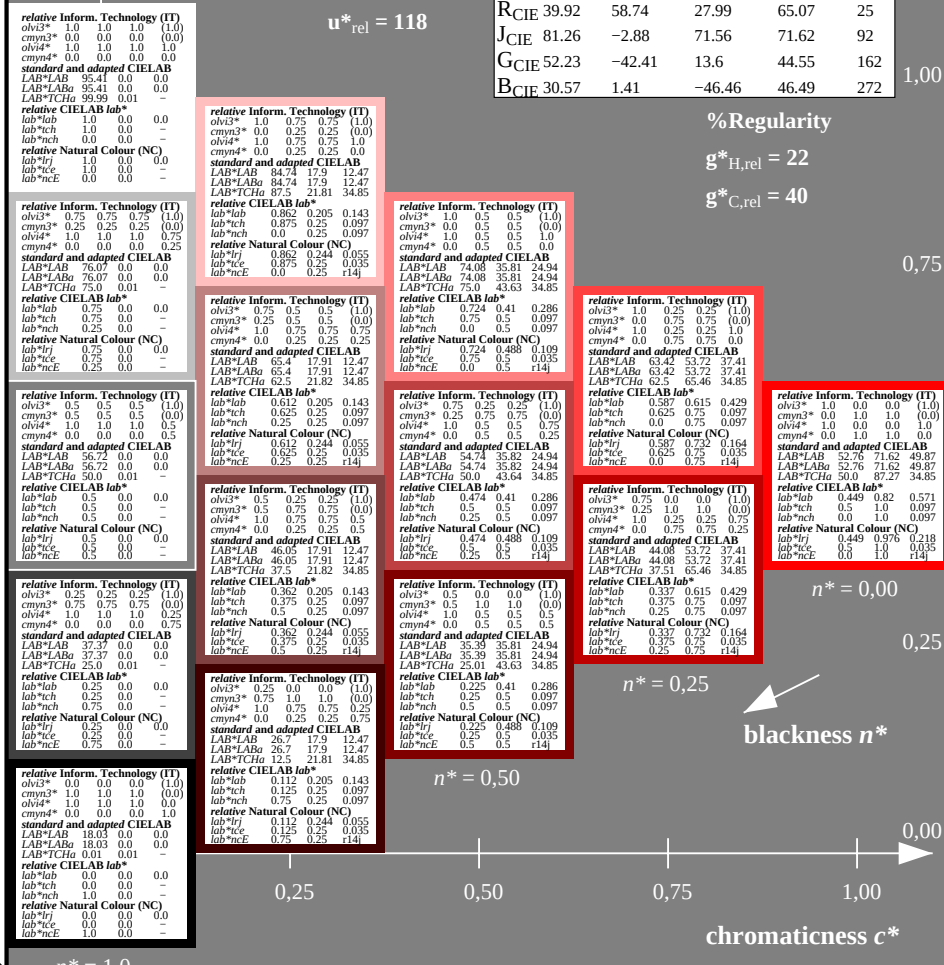
triangle lightness *t**



%Gamut
u*$_{rel}$ = 118

TLS18; adapted (a) CIELAB data	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	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
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

%Regularity
g*$_{H,rel}$ = 22
g*$_{C,rel}$ = 40

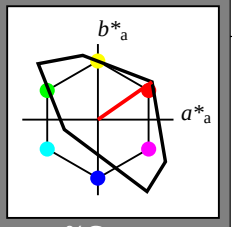


Output: Colorimetric Television Luminous System TLS18

for hue *h* = lab*h = 35/360 = 0.097*
*lab*tch* and *lab*nch*

D65: hue O
LCH*Ma: 53 87 35
olv*Ma: 1.0 0.0 0.0

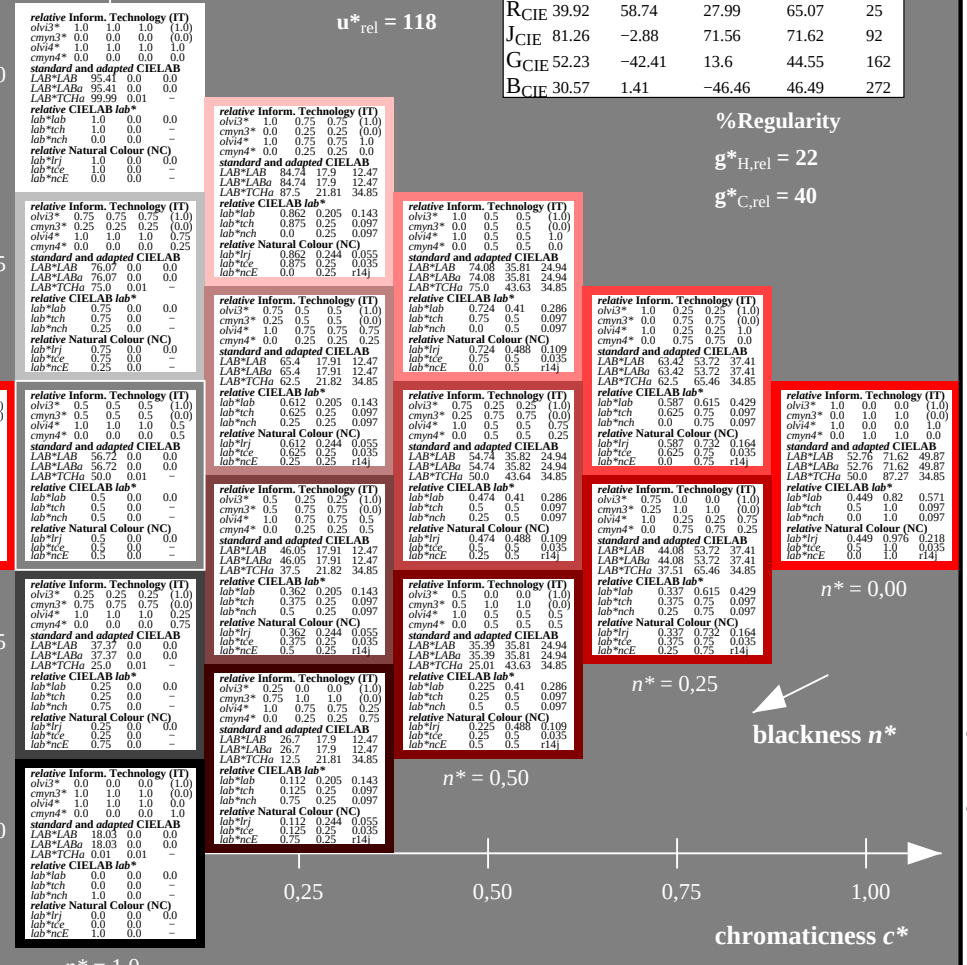
triangle lightness *t**



%Gamut
u*$_{rel}$ = 118

TLS18; adapted (a) CIELAB data	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	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
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

%Regularity
g*$_{H,rel}$ = 22
g*$_{C,rel}$ = 40



NE590−7, 5 step scales for constant CIELAB hue 35/360 = 0.097 (left)

5 step scales for constant CIELAB hue 35/360 = 0.097 (right)

BAM-test chart NE59; Colorimetric systems TLS18 & TLS18
D65: 2 coordinate data of 5 step colour scales for 10 hues

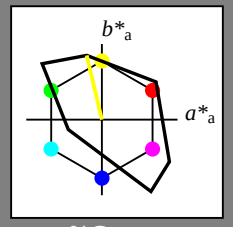
input: *olv* setrgbcolor*
output: *no change compared to input*

Input: Colorimetric Television Luminous System TLS18

for hue *h* = lab*h = 103/360 = 0.287*
*lab*tch* and *lab*nch*

D65: hue Y
LCH*Ma: 93 87 103
olv*Ma: 1.0 1.0 0.0

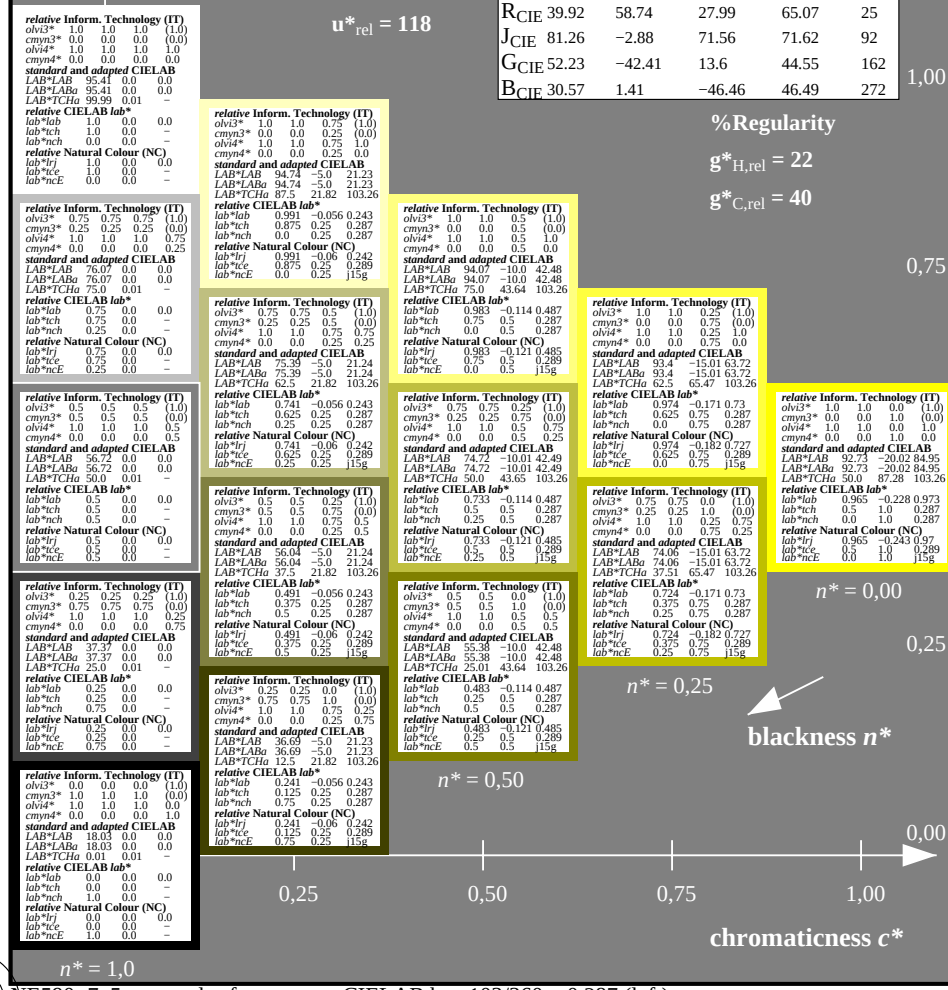
triangle lightness *t**



%Gamut
u*rel = 118

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

%Regularity
g*H,rel = 22
g*C,rel = 40

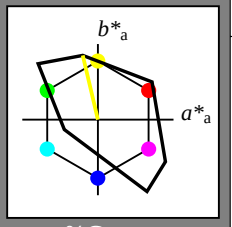


Output: Colorimetric Television Luminous System TLS18

for hue *h* = lab*h = 103/360 = 0.287*
*lab*tch* and *lab*nch*

D65: hue Y
LCH*Ma: 93 87 103
olv*Ma: 1.0 1.0 0.0

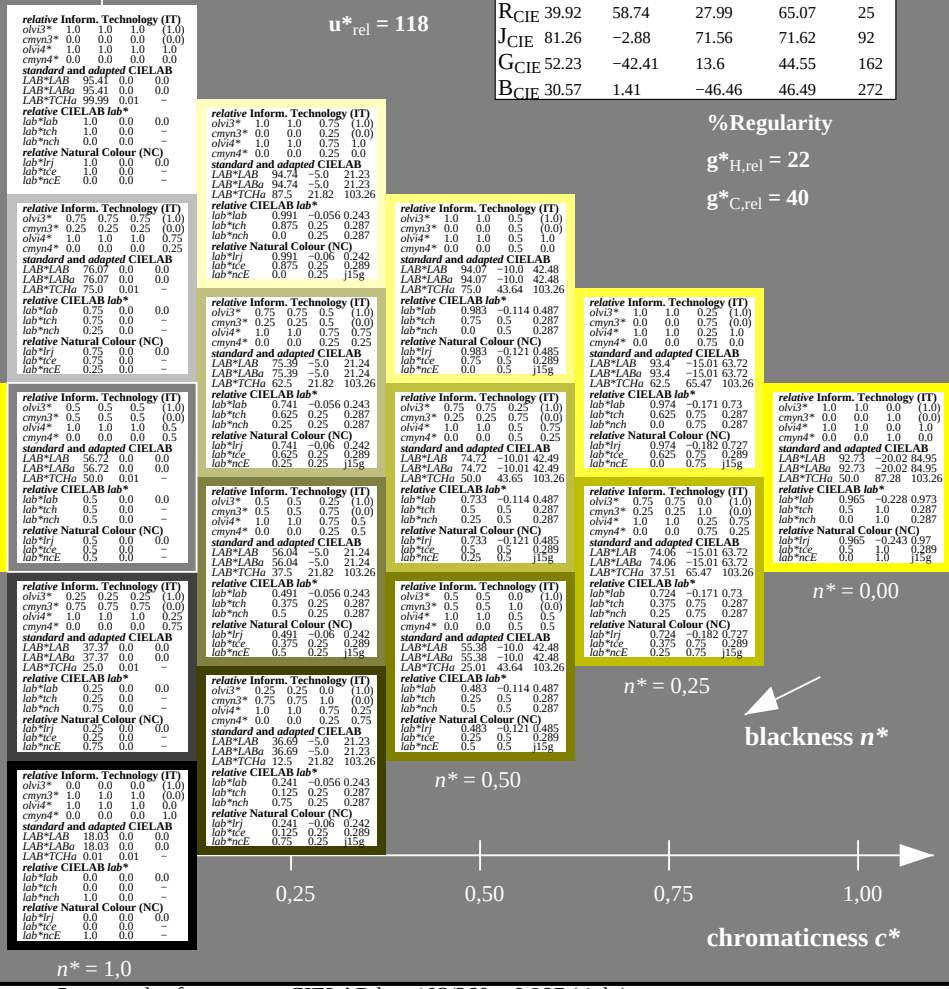
triangle lightness *t**



%Gamut
u*rel = 118

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

%Regularity
g*H,rel = 22
g*C,rel = 40



NE590−7, 5 step scales for constant CIELAB hue 103/360 = 0.287 (left)

5 step scales for constant CIELAB hue 103/360 = 0.287 (right)

BAM-test chart NE59; Colorimetric systems TLS18 & TLS18
D65: 2 coordinate data of 5 step colour scales for 10 hues

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

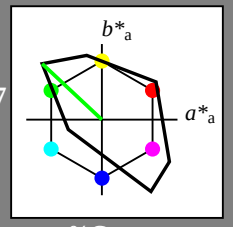
/NE59/ Form: 3/10, Serie: 1/1, Page: 3 Page: count: 3

Input: Colorimetric Television Luminous System TLS18

for hue *h* = lab*h = 137/360 = 0.38*
*lab*tch* and *lab*nch*

D65: hue L
LCH*Ma: 84 108 137
olv*Ma: 0.0 1.0 0.0

triangle lightness *t**



%Gamut
u*rel = 118

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

%Regularity
g*H,rel = 22
g*C,rel = 40

1,00
0,75
0,25
0,00

n* = 0,00
n* = 0,25
n* = 0,50
n* = 1,0

blackness *n**

0,25 0,50 0,75 1,00

chromaticness *c**

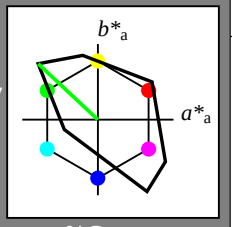
NE590−7, 5 step scales for constant CIELAB hue 137/360 = 0.38 (left)

Output: Colorimetric Television Luminous System TLS18

for hue *h* = lab*h = 137/360 = 0.38*
*lab*tch* and *lab*nch*

D65: hue L
LCH*Ma: 84 108 137
olv*Ma: 0.0 1.0 0.0

triangle lightness *t**



%Gamut
u*rel = 118

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

%Regularity
g*H,rel = 22
g*C,rel = 40

n* = 0,00
n* = 0,25
n* = 0,50
n* = 1,0

blackness *n**

0,25 0,50 0,75 1,00

chromaticness *c**

5 step scales for constant CIELAB hue 137/360 = 0.38 (right)

BAM-test chart NE59; Colorimetric systems TLS18 & TLS18
D65: 2 coordinate data of 5 step colour scales for 10 hues

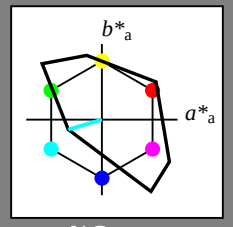
input: *olv* setrgbcolor*
output: *no change compared to input*

Input: Colorimetric Television Luminous System TLS18

for hue *h = *lab*h* = 196/360 = 0.546**
lab*tch* and *lab*nch

D65: hue C
LCH*Ma: 87 46 196
olv*Ma: 0.0 1.0 1.0

triangle lightness *t**



%Gamut

u*$_{rel}$ = 118

TLS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	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
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

%Regularity

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

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

1,00
0,75
0,25
0,00

*n** = 0,00
*n** = 0,25
*n** = 0,50
*n** = 1,0

blackness *n**

0,25 0,50 0,75 1,00

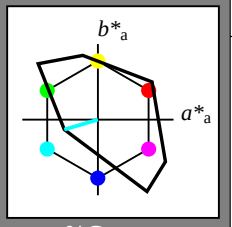
chromaticness *c**

Output: Colorimetric Television Luminous System TLS18

for hue *h = *lab*h* = 196/360 = 0.546**
lab*tch* and *lab*nch

D65: hue C
LCH*Ma: 87 46 196
olv*Ma: 0.0 1.0 1.0

triangle lightness *t**



%Gamut

u*$_{rel}$ = 118

TLS18; adapted (a) CIELAB data	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	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
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

%Regularity

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

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

*n** = 0,00
*n** = 0,25
*n** = 0,50
*n** = 1,0

blackness *n**

0,25 0,50 0,75 1,00

chromaticness *c**

NE590−7, 5 step scales for constant CIELAB hue 196/360 = 0.546 (left)

5 step scales for constant CIELAB hue 196/360 = 0.546 (right)

BAM-test chart NE59; Colorimetric systems TLS18 & TLS18
D65: 2 coordinate data of 5 step colour scales for 10 hues

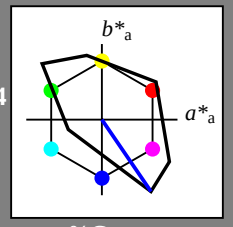
input: *olv* setrgbcolor*
output: *no change compared to input*

Input: Colorimetric Television Luminous System TLS18

for hue *h* = lab*h = 304/360 = 0.845*
*lab*tch* and *lab*nch*

D65: hue V
LCH*Ma: 35 115 304
olv*Ma: 0.0 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
O_{Ma}	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
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

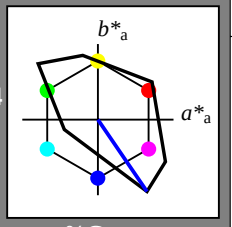
1,00
0,75
0,25
0,00
n* = 0,00
n* = 0,25
n* = 0,50
n* = 1,0
blackness *n**
chromaticness *c**
0,25 0,50 0,75 1,00

Output: Colorimetric Television Luminous System TLS18

for hue *h* = lab*h = 304/360 = 0.845*
*lab*tch* and *lab*nch*

D65: hue V
LCH*Ma: 35 115 304
olv*Ma: 0.0 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
O_{Ma}	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
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

1,00
0,75
0,25
0,00
n* = 0,00
n* = 0,25
n* = 0,50
n* = 1,0
blackness *n**
chromaticness *c**
0,25 0,50 0,75 1,00

NE590−7, 5 step scales for constant CIELAB hue 304/360 = 0.845 (left)

5 step scales for constant CIELAB hue 304/360 = 0.845 (right)

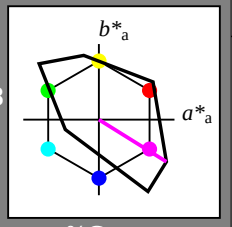
BAM-test chart NE59; Colorimetric systems TLS18 & TLS18
D65: 2 coordinate data of 5 step colour scales for 10 hues

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

Input: Colorimetric Television Luminous System TLS18
for hue *h = *lab*h* = 328/360 = 0.911**
lab*tch* and *lab*nch

D65: hue M
LCH*Ma: 59 105 328
olv*Ma: 1.0 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	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	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
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

1,00
0,75
0,25
0,00

*n** = 0,00
*n** = 0,25
*n** = 0,50
*n** = 1,0

0,25 0,50 0,75 1,00

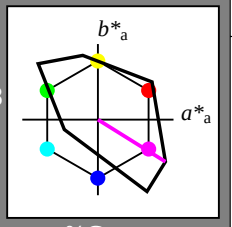
blackness *n*

chromaticness *c*

Output: Colorimetric Television Luminous System TLS18
for hue *h = *lab*h* = 328/360 = 0.911**
lab*tch* and *lab*nch

D65: hue M
LCH*Ma: 59 105 328
olv*Ma: 1.0 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	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	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
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

*n** = 0,00
*n** = 0,25
*n** = 0,50
*n** = 1,0

0,25 0,50 0,75 1,00

blackness *n*

chromaticness *c*

NE590−7, 5 step scales for constant CIELAB hue 328/360 = 0.911 (left)

5 step scales for constant CIELAB hue 328/360 = 0.911 (right)

BAM-test chart NE59; Colorimetric systems TLS18 & TLS18
D65: 2 coordinate data of 5 step colour scales for 10 hues

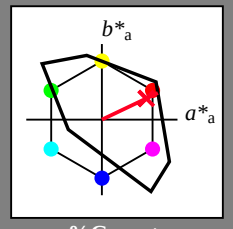
input: *olv* setrgbcolor*
output: *no change compared to input*

Input: Colorimetric Television Luminous System TLS18

for hue *h* = lab*h = 25/360 = 0.071*
*lab*tch* and *lab*nch*

D65: hue R
LCH*Ma: 54 82 25
olv*Ma: 1.0 0.0 0.14

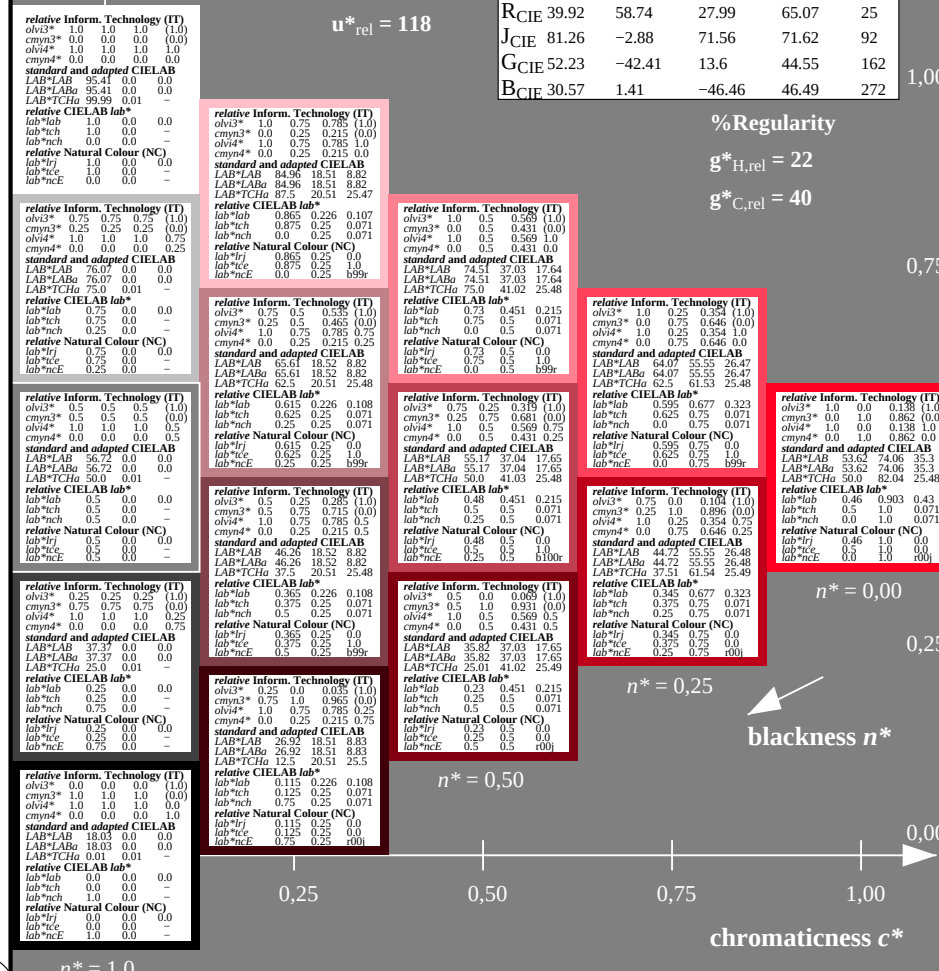
triangle lightness *t**



%Gamut
u*rel = 118

TLS18; adapted (a) CIELAB data	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	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
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

%Regularity
g*H,rel = 22
g*C,rel = 40

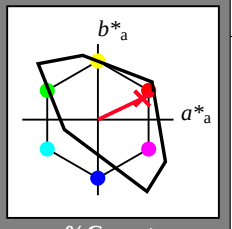


Output: Colorimetric Television Luminous System TLS18

for hue *h* = lab*h = 25/360 = 0.071*
*lab*tch* and *lab*nch*

D65: hue R
LCH*Ma: 54 82 25
olv*Ma: 1.0 0.0 0.14

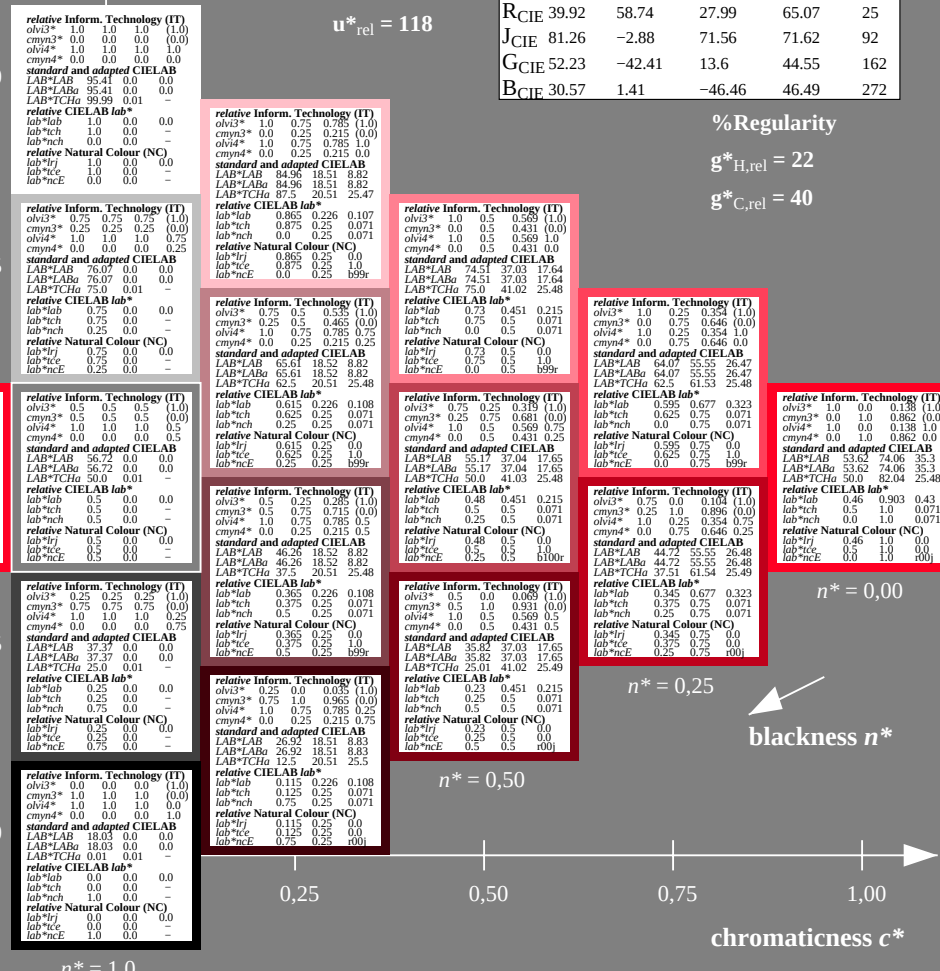
triangle lightness *t**



%Gamut
u*rel = 118

TLS18; adapted (a) CIELAB data	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	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
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

%Regularity
g*H,rel = 22
g*C,rel = 40



NE590−7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

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

BAM-test chart NE59; Colorimetric systems TLS18 & TLS18
D65: 2 coordinate data of 5 step colour scales for 10 hues

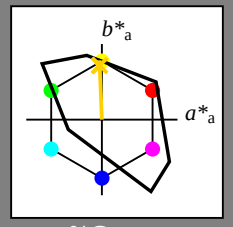
input: *olv* setrgbcolor*
output: *no change compared to input*

Input: Colorimetric Television Luminous System TLS18

for hue *h* = lab*h = 92/360 = 0.256*
*lab*tch* and *lab*nch*

D65: hue J
LCH*Ma: 85 79 92
olv*Ma: 1.0 0.82 0.0

triangle lightness *t**



%Gamut

u*rel = 118

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

%Regularity

g*H,rel = 22

g*C,rel = 40

1,00
0,75
0,25
0,00

n* = 0,00
n* = 0,25
n* = 0,50
n* = 1,0

blackness *n**

0,25 0,50 0,75 1,00

chromaticness *c**

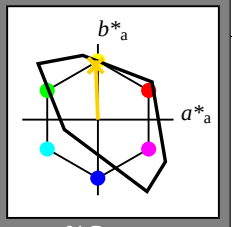
NE590−7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

Output: Colorimetric Television Luminous System TLS18

for hue *h* = lab*h = 92/360 = 0.256*
*lab*tch* and *lab*nch*

D65: hue J
LCH*Ma: 85 79 92
olv*Ma: 1.0 0.82 0.0

triangle lightness *t**



%Gamut

u*rel = 118

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

%Regularity

g*H,rel = 22

g*C,rel = 40

n* = 0,00
n* = 0,25
n* = 0,50
n* = 1,0

blackness *n**

0,25 0,50 0,75 1,00

chromaticness *c**

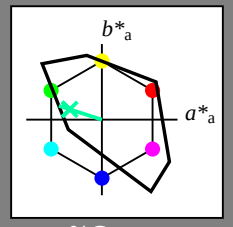
5 step scales for constant CIELAB hue 92/360 = 0.256 (right)

Input: Colorimetric Television Luminous System TLS18

for hue *h* = lab*h = 162/360 = 0.451*
*lab*tch* and *lab*nch*

D65: hue G
LCH*Ma: 86 60 162
olv*Ma: 0.0 1.0 0.64

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
0,25
0,00
blackness *n**
0,25
0,50
0,75
1,00
chromaticness *c**
*n** = 0,00
*n** = 0,25
*n** = 0,50
*n** = 1,0

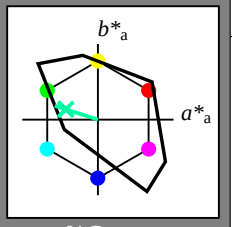
NE590−7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

Output: Colorimetric Television Luminous System TLS18

for hue *h* = lab*h = 162/360 = 0.451*
*lab*tch* and *lab*nch*

D65: hue G
LCH*Ma: 86 60 162
olv*Ma: 0.0 1.0 0.64

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
0,25
0,00
blackness *n**
0,25
0,50
0,75
1,00
chromaticness *c**
*n** = 0,00
*n** = 0,25
*n** = 0,50
*n** = 1,0

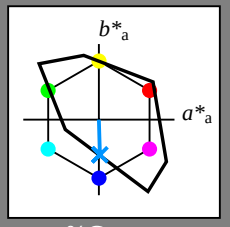
5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

Input: Colorimetric Television Luminous System TLS18

for hue *h* = lab*h = 272/360 = 0.755*
*lab*tch* and *lab*nch*

D65: hue B
LCH*Ma: 65 48 272
olv*Ma: 0.0 0.58 1.0

triangle lightness *t**



%Gamut
u*rel = 118

TLS18; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	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
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

%Regularity
g*H,rel = 22
g*C,rel = 40

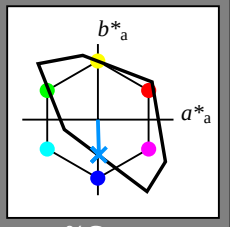
1,00
0,75
0,25
0,00
n* = 0,00
n* = 0,25
n* = 0,50
n* = 1,0
blackness *n**
chromaticness *c**
0,25 0,50 0,75 1,00

Output: Colorimetric Television Luminous System TLS18

for hue *h* = lab*h = 272/360 = 0.755*
*lab*tch* and *lab*nch*

D65: hue B
LCH*Ma: 65 48 272
olv*Ma: 0.0 0.58 1.0

triangle lightness *t**



%Gamut
u*rel = 118

TLS18; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	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
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

%Regularity
g*H,rel = 22
g*C,rel = 40

1,00
0,75
0,25
0,00
n* = 0,00
n* = 0,25
n* = 0,50
n* = 1,0
blackness *n**
chromaticness *c**
0,25 0,50 0,75 1,00

NE590−7, 5 step scales for constant CIELAB hue 272/360 = 0.755 (left)

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

BAM-test chart NE59; Colorimetric systems TLS18 & TLS18
D65: 2 coordinate data of 5 step colour scales for 10 hues

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