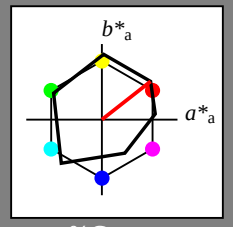
Input: Colorimetric Offset Reflective System ORS18

for hue *h* = lab*h = 38/360 = 0.106*
*lab*tch* and *lab*nch*

A: hue O
LCH*Ma: 48 82 38
olv*Ma: 1.0 0.0 0.0

triangle lightness *t**



%Gamut

u*$_{rel}$ = 96

ORS18; adapted (a) CIELAB data	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	47.94	64.42	50.58	81.9	38
Y_{Ma}	92.62	2.41	86.36	86.39	88
L_{Ma}	50.9	−63.82	35.02	72.81	151
C_{Ma}	51.25	−53.68	−57.69	78.82	227
V_{Ma}	25.72	30.34	−44.37	53.76	304
M_{Ma}	56.25	70.59	7.57	70.99	6
N_{Ma}	18.11	0.0	0.0	0.0	0
W_{Ma}	95.6	0.0	0.0	0.0	0
R_{CIE}	47.79	60.85	41.08	73.41	34
J_{CIE}	83.82	6.52	66.9	67.22	84
G_{CIE}	49.0	−36.83	2.78	36.95	176
B_{CIE}	25.14	−18.35	−56.22	59.15	252

1,00

%Regularity

g*$_{H,rel}$ = −385

g*$_{C,rel}$ = 62

0,75

0,50

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

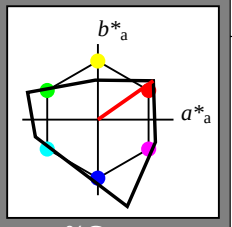
chromaticness *c**

Output: Colorimetric Television Luminous System TLS00

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

A: hue O
LCH*Ma: 66 90 35
olv*Ma: 1.0 0.0 0.0

triangle lightness *t**



%Gamut

u*$_{rel}$ = 141

TLS00; adapted (a) CIELAB data	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	65.56	73.34	51.39	89.55	35
Y_{Ma}	94.78	−3.49	52.24	52.36	94
L_{Ma}	77.48	−92.97	36.0	99.71	159
C_{Ma}	78.36	−82.69	−22.74	85.77	195
V_{Ma}	12.55	38.81	−114.81	121.2	289
M_{Ma}	66.71	76.08	−29.8	81.71	339
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	47.79	61.74	42.56	74.99	35
J_{CIE}	83.82	7.06	70.78	71.13	84
G_{CIE}	49.0	−35.95	4.34	36.22	173
B_{CIE}	25.14	−17.24	−56.24	58.84	253

%Regularity

g*$_{H,rel}$ = 39

g*$_{C,rel}$ = 43

RE500−7, 5 step scales for constant CIELAB hue 38/360 = 0.106 (left)

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

BAM-test chart RE50; Colorimetric systems ORS18 & TLS00
A: 2 coordinate data of 5 step colour scales for 10 hues

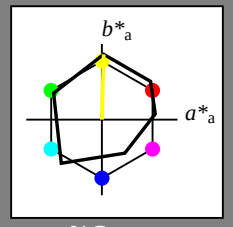
input: *olv* setrgbcolor*
output: *no change compared to input*

Input: Colorimetric Offset Reflective System ORS18

for hue *h* = lab*h = 88/360 = 0.246*
*lab*tch* and *lab*nch*

A: hue Y
LCH*Ma: 93 86 88
olv*Ma: 1.0 1.0 0.0

triangle lightness *t**



%Gamut

u*$_{rel}$ = 96

ORS18; adapted (a) CIELAB data	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	47.94	64.42	50.58	81.9	38
Y_{Ma}	92.62	2.41	86.36	86.39	88
L_{Ma}	50.9	−63.82	35.02	72.81	151
C_{Ma}	51.25	−53.68	−57.69	78.82	227
V_{Ma}	25.72	30.34	−44.37	53.76	304
M_{Ma}	56.25	70.59	7.57	70.99	6
N_{Ma}	18.11	0.0	0.0	0.0	0
W_{Ma}	95.6	0.0	0.0	0.0	0
R_{CIE}	47.79	60.85	41.08	73.41	34
J_{CIE}	83.82	6.52	66.9	67.22	84
G_{CIE}	49.0	−36.83	2.78	36.95	176
B_{CIE}	25.14	−18.35	−56.22	59.15	252

%Regularity

g*$_{H,rel}$ = −385

g*$_{C,rel}$ = 62

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

n* = 1,0
n* = 0,75
n* = 0,50
n* = 0,25
n* = 0,00

blackness *n**

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

chromaticness *c**

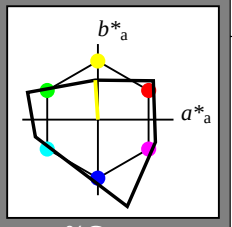
RE500−7, 5 step scales for constant CIELAB hue 88/360 = 0.246 (left)

Output: Colorimetric Television Luminous System TLS00

for hue *h* = lab*h = 94/360 = 0.261*
*lab*tch* and *lab*nch*

A: hue Y
LCH*Ma: 95 52 94
olv*Ma: 1.0 1.0 0.0

triangle lightness *t**



%Gamut

u*$_{rel}$ = 141

TLS00; adapted (a) CIELAB data	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	65.56	73.34	51.39	89.55	35
Y_{Ma}	94.78	−3.49	52.24	52.36	94
L_{Ma}	77.48	−92.97	36.0	99.71	159
C_{Ma}	78.36	−82.69	−22.74	85.77	195
V_{Ma}	12.55	38.81	−114.81	121.2	289
M_{Ma}	66.71	76.08	−29.8	81.71	339
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	47.79	61.74	42.56	74.99	35
J_{CIE}	83.82	7.06	70.78	71.13	84
G_{CIE}	49.0	−35.95	4.34	36.22	173
B_{CIE}	25.14	−17.24	−56.24	58.84	253

%Regularity

g*$_{H,rel}$ = 39

g*$_{C,rel}$ = 43

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

n* = 1,0
n* = 0,75
n* = 0,50
n* = 0,25
n* = 0,00

blackness *n**

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

chromaticness *c**

5 step scales for constant CIELAB hue 94/360 = 0.261 (right)

BAM-test chart RE50; Colorimetric systems ORS18 & TLS00
A: 2 coordinate data of 5 step colour scales for 10 hues

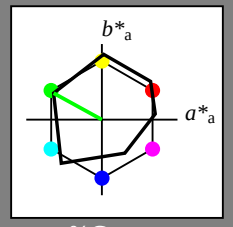
input: *olv* setrgbcolor*
output: *no change compared to input*

Input: Colorimetric Offset Reflective System ORS18

for hue *h* = lab*h = 151/360 = 0.42*
*lab*tch* and *lab*nch*

A: hue L
LCH*Ma: 51 73 151
olv*Ma: 0.0 1.0 0.0

triangle lightness *t**



%Gamut

u*$_{rel}$ = 96

ORS18; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	47.94	64.42	50.58	81.9	38
Y_{Ma}	92.62	2.41	86.36	86.39	88
L_{Ma}	50.9	−63.82	35.02	72.81	151
C_{Ma}	51.25	−53.68	−57.69	78.82	227
V_{Ma}	25.72	30.34	−44.37	53.76	304
M_{Ma}	56.25	70.59	7.57	70.99	6
N_{Ma}	18.11	0.0	0.0	0.0	0
W_{Ma}	95.6	0.0	0.0	0.0	0
R_{CIE}	47.79	60.85	41.08	73.41	34
J_{CIE}	83.82	6.52	66.9	67.22	84
G_{CIE}	49.0	−36.83	2.78	36.95	176
B_{CIE}	25.14	−18.35	−56.22	59.15	252

%Regularity

g*$_{H,rel}$ = −385

g*$_{C,rel}$ = 62

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

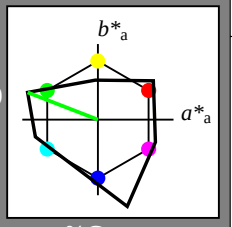
chromaticness *c**

Output: Colorimetric Television Luminous System TLS00

for hue *h* = lab*h = 159/360 = 0.441*
*lab*tch* and *lab*nch*

A: hue L
LCH*Ma: 77 100 159
olv*Ma: 0.0 1.0 0.0

triangle lightness *t**



%Gamut

u*$_{rel}$ = 141

TLS00; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	65.56	73.34	51.39	89.55	35
Y_{Ma}	94.78	−3.49	52.24	52.36	94
L_{Ma}	77.48	−92.97	36.0	99.71	159
C_{Ma}	78.36	−82.69	−22.74	85.77	195
V_{Ma}	12.55	38.81	−114.81	121.2	289
M_{Ma}	66.71	76.08	−29.8	81.71	339
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	47.79	61.74	42.56	74.99	35
J_{CIE}	83.82	7.06	70.78	71.13	84
G_{CIE}	49.0	−35.95	4.34	36.22	173
B_{CIE}	25.14	−17.24	−56.24	58.84	253

%Regularity

g*$_{H,rel}$ = 39

g*$_{C,rel}$ = 43

RE500−7, 5 step scales for constant CIELAB hue 151/360 = 0.42 (left)

5 step scales for constant CIELAB hue 159/360 = 0.441 (right)

BAM-test chart RE50; Colorimetric systems ORS18 & TLS00
A: 2 coordinate data of 5 step colour scales for 10 hues

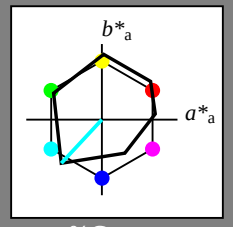
input: *olv* setrgbcolor*
output: *no change compared to input*

Input: Colorimetric Offset Reflective System ORS18

for hue *h* = lab*h = 227/360 = 0.631*
*lab*tch* and *lab*nch*

A: hue C
LCH*Ma: 51 79 227
olv*Ma: 0.0 1.0 1.0

triangle lightness *t**



%Gamut

u*$_{rel}$ = 96

ORS18; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	47.94	64.42	50.58	81.9	38
Y_{Ma}	92.62	2.41	86.36	86.39	88
L_{Ma}	50.9	−63.82	35.02	72.81	151
C_{Ma}	51.25	−53.68	−57.69	78.82	227
V_{Ma}	25.72	30.34	−44.37	53.76	304
M_{Ma}	56.25	70.59	7.57	70.99	6
N_{Ma}	18.11	0.0	0.0	0.0	0
W_{Ma}	95.6	0.0	0.0	0.0	0
R_{CIE}	47.79	60.85	41.08	73.41	34
J_{CIE}	83.82	6.52	66.9	67.22	84
G_{CIE}	49.0	−36.83	2.78	36.95	176
B_{CIE}	25.14	−18.35	−56.22	59.15	252

%Regularity

g*$_{H,rel}$ = −385

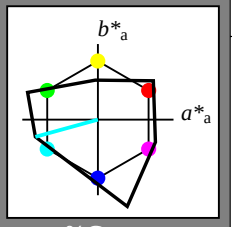
g*$_{C,rel}$ = 62

Output: Colorimetric Television Luminous System TLS00

for hue *h* = lab*h = 195/360 = 0.543*
*lab*tch* and *lab*nch*

A: hue C
LCH*Ma: 78 86 195
olv*Ma: 0.0 1.0 1.0

triangle lightness *t**



%Gamut

u*$_{rel}$ = 141

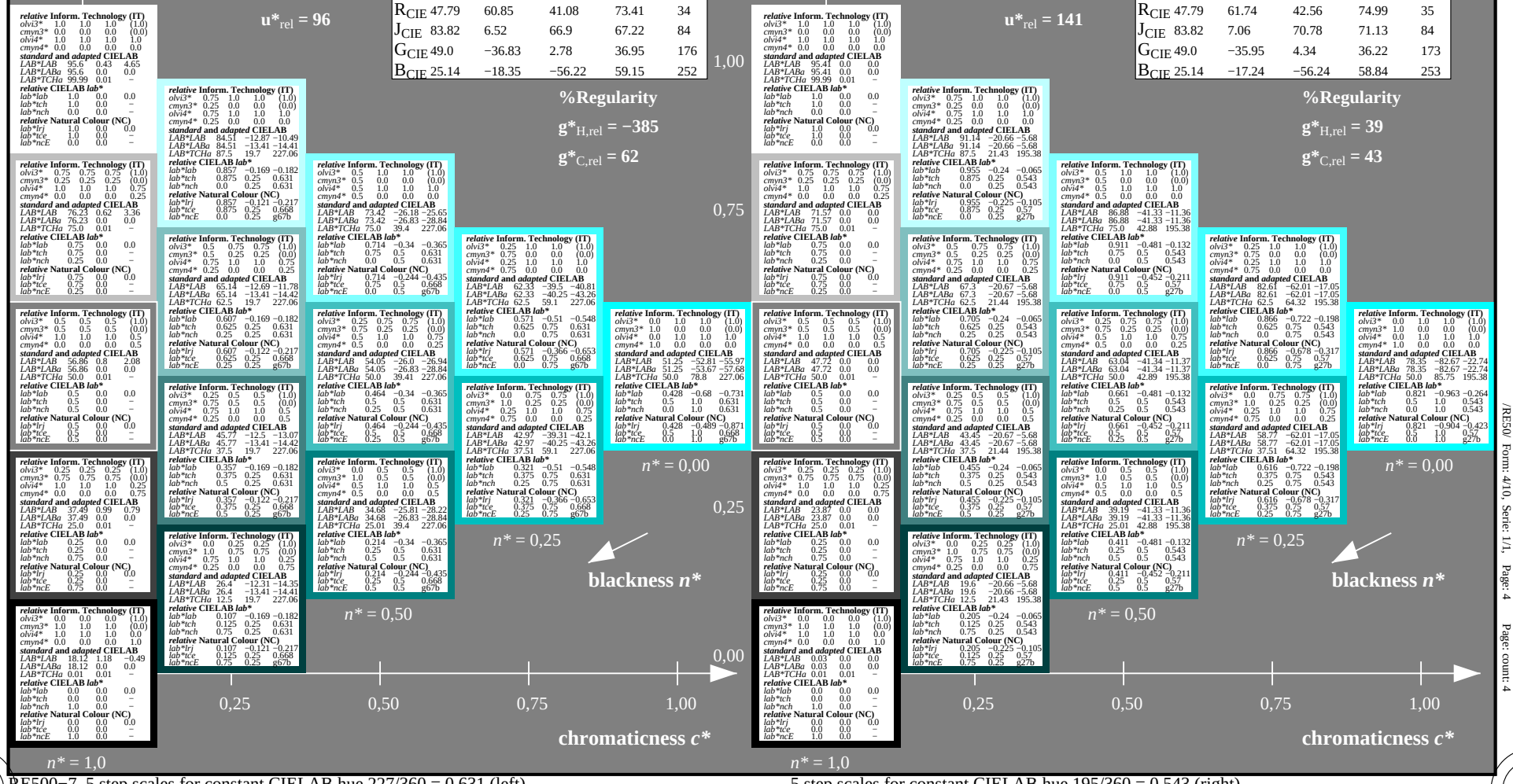
TLS00; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	65.56	73.34	51.39	89.55	35
Y_{Ma}	94.78	−3.49	52.24	52.36	94
L_{Ma}	77.48	−92.97	36.0	99.71	159
C_{Ma}	78.36	−82.69	−22.74	85.77	195
V_{Ma}	12.55	38.81	−114.81	121.2	289
M_{Ma}	66.71	76.08	−29.8	81.71	339
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	47.79	61.74	42.56	74.99	35
J_{CIE}	83.82	7.06	70.78	71.13	84
G_{CIE}	49.0	−35.95	4.34	36.22	173
B_{CIE}	25.14	−17.24	−56.24	58.84	253

%Regularity

g*$_{H,rel}$ = 39

g*$_{C,rel}$ = 43



RE500−7, 5 step scales for constant CIELAB hue 227/360 = 0.631 (left)

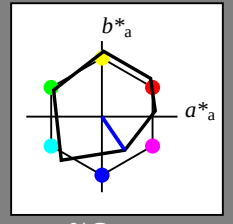
5 step scales for constant CIELAB hue 195/360 = 0.543 (right)

Input: Colorimetric Offset Reflective System ORS18

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

A: hue V
LCH*Ma: 26 54 304
olv*Ma: 0.0 0.0 1.0

triangle lightness *t**



%Gamut
u*rel = 96

ORS18; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
OMa	47.94	64.42	50.58	81.9	38
YMa	92.62	2.41	86.36	86.39	88
LMa	50.9	−63.82	35.02	72.81	151
CMa	51.25	−53.68	−57.69	78.82	227
VMa	25.72	30.34	−44.37	53.76	304
MMa	56.25	70.59	7.57	70.99	6
NMa	18.11	0.0	0.0	0.0	0
WMa	95.6	0.0	0.0	0.0	0
RCIE	47.79	60.85	41.08	73.41	34
JCIE	83.82	6.52	66.9	67.22	84
GCIE	49.0	−36.83	2.78	36.95	176
BCIE	25.14	−18.35	−56.22	59.15	252

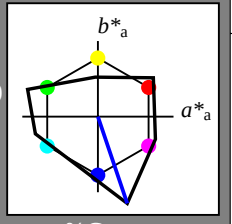
%Regularity
g*H,rel = −385
g*C,rel = 62

Output: Colorimetric Television Luminous System TLS00

for hue *h* = lab*h = 289/360 = 0.802*
*lab*tch* and *lab*nch*

A: hue V
LCH*Ma: 13 121 289
olv*Ma: 0.0 0.0 1.0

triangle lightness *t**



%Gamut
u*rel = 141

TLS00; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
OMa	65.56	73.34	51.39	89.55	35
YMa	94.78	−3.49	52.24	52.36	94
LMa	77.48	−92.97	36.0	99.71	159
CMa	78.36	−82.69	−22.74	85.77	195
VMa	12.55	38.81	−114.81	121.2	289
MMa	66.71	76.08	−29.8	81.71	339
NMa	0.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	47.79	61.74	42.56	74.99	35
JCIE	83.82	7.06	70.78	71.13	84
GCIE	49.0	−35.95	4.34	36.22	173
BCIE	25.14	−17.24	−56.24	58.84	253

%Regularity
g*H,rel = 39
g*C,rel = 43

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

RE500−7, 5 step scales for constant CIELAB hue 304/360 = 0.845 (left)
5 step scales for constant CIELAB hue 289/360 = 0.802 (right)

BAM-test chart RE50; Colorimetric systems ORS18 & TLS00
A: 2 coordinate data of 5 step colour scales for 10 hues

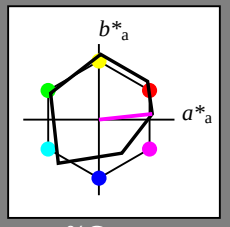
input: *olv* setrgbcolor*
output: *no change compared to input*

Input: Colorimetric Offset Reflective System ORS18

for hue *h* = lab*h = 6/360 = 0.017*
*lab*tch* and *lab*nch*

A: hue M
LCH*Ma: 56 71 6
olv*Ma: 1.0 0.0 1.0

triangle lightness *t**



%Gamut

u*rel = 96

ORS18; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	47.94	64.42	50.58	81.9	38
Y_{Ma}	92.62	2.41	86.36	86.39	88
L_{Ma}	50.9	−63.82	35.02	72.81	151
C_{Ma}	51.25	−53.68	−57.69	78.82	227
V_{Ma}	25.72	30.34	−44.37	53.76	304
M_{Ma}	56.25	70.59	7.57	70.99	6
N_{Ma}	18.11	0.0	0.0	0.0	0
W_{Ma}	95.6	0.0	0.0	0.0	0
R_{CIE}	47.79	60.85	41.08	73.41	34
J_{CIE}	83.82	6.52	66.9	67.22	84
G_{CIE}	49.0	−36.83	2.78	36.95	176
B_{CIE}	25.14	−18.35	−56.22	59.15	252

%Regularity

g*H,rel = −385

g*C,rel = 62

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

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

blackness *n**

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

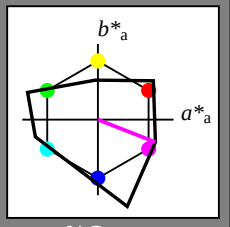
chromaticness *c**

Output: Colorimetric Television Luminous System TLS00

for hue *h* = lab*h = 339/360 = 0.941*
*lab*tch* and *lab*nch*

A: hue M
LCH*Ma: 67 82 339
olv*Ma: 1.0 0.0 1.0

triangle lightness *t**



%Gamut

u*rel = 141

TLS00; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	65.56	73.34	51.39	89.55	35
Y_{Ma}	94.78	−3.49	52.24	52.36	94
L_{Ma}	77.48	−92.97	36.0	99.71	159
C_{Ma}	78.36	−82.69	−22.74	85.77	195
V_{Ma}	12.55	38.81	−114.81	121.2	289
M_{Ma}	66.71	76.08	−29.8	81.71	339
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	47.79	61.74	42.56	74.99	35
J_{CIE}	83.82	7.06	70.78	71.13	84
G_{CIE}	49.0	−35.95	4.34	36.22	173
B_{CIE}	25.14	−17.24	−56.24	58.84	253

%Regularity

g*H,rel = 39

g*C,rel = 43

RE500−7, 5 step scales for constant CIELAB hue 6/360 = 0.017 (left)

5 step scales for constant CIELAB hue 339/360 = 0.941 (right)

BAM-test chart RE50; Colorimetric systems ORS18 & TLS00
A: 2 coordinate data of 5 step colour scales for 10 hues

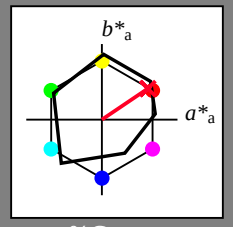
input: *olv* setrgbcolor*
output: *no change compared to input*

Input: Colorimetric Offset Reflective System ORS18

for hue *h* = lab*h = 34/360 = 0.095*
*lab*tch* and *lab*nch*

A: hue R
LCH*Ma: 49 79 34
olv*Ma: 1.0 0.0 0.15

triangle lightness *t**



%Gamut

u*$_{rel}$ = 96

%Regularity

g*$_{H,rel}$ = −385

g*$_{C,rel}$ = 62

ORS18; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	47.94	64.42	50.58	81.9	38
Y_{Ma}	92.62	2.41	86.36	86.39	88
L_{Ma}	50.9	−63.82	35.02	72.81	151
C_{Ma}	51.25	−53.68	−57.69	78.82	227
V_{Ma}	25.72	30.34	−44.37	53.76	304
M_{Ma}	56.25	70.59	7.57	70.99	6
N_{Ma}	18.11	0.0	0.0	0.0	0
W_{Ma}	95.6	0.0	0.0	0.0	0
R_{CIE}	47.79	60.85	41.08	73.41	34
J_{CIE}	83.82	6.52	66.9	67.22	84
G_{CIE}	49.0	−36.83	2.78	36.95	176
B_{CIE}	25.14	−18.35	−56.22	59.15	252

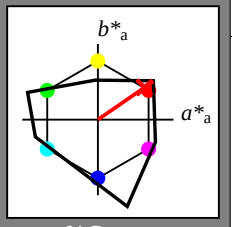
1,00
0,75
0,50
0,25
0,00
n* = 0,00
n* = 0,25
n* = 0,50
n* = 1,0
blackness *n**
chromaticness *c**
0,25
0,50
0,75
1,00

Output: Colorimetric Television Luminous System TLS00

for hue *h* = lab*h = 35/360 = 0.096*
*lab*tch* and *lab*nch*

A: hue R
LCH*Ma: 66 89 35
olv*Ma: 1.0 0.0 0.01

triangle lightness *t**



%Gamut

u*$_{rel}$ = 141

%Regularity

g*$_{H,rel}$ = 39

g*$_{C,rel}$ = 43

TLS00; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	65.56	73.34	51.39	89.55	35
Y_{Ma}	94.78	−3.49	52.24	52.36	94
L_{Ma}	77.48	−92.97	36.0	99.71	159
C_{Ma}	78.36	−82.69	−22.74	85.77	195
V_{Ma}	12.55	38.81	−114.81	121.2	289
M_{Ma}	66.71	76.08	−29.8	81.71	339
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	47.79	61.74	42.56	74.99	35
J_{CIE}	83.82	7.06	70.78	71.13	84
G_{CIE}	49.0	−35.95	4.34	36.22	173
B_{CIE}	25.14	−17.24	−56.24	58.84	253

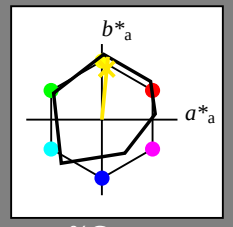
RE500−7, 5 step scales for constant CIELAB hue 34/360 = 0.095 (left)

5 step scales for constant CIELAB hue 35/360 = 0.096 (right)

Input: Colorimetric Offset Reflective System ORS18
for hue *h = *lab*h* = 84/360 = 0.235**
lab*tch* and *lab*nch

A: hue J
LCH*Ma: 89 83 84
olv*Ma: 1.0 0.91 0.0

triangle lightness *t**



%Gamut

u*$_{rel}$ = 96

ORS18; adapted (a) CIELAB data

	L*=L*$_a$	a*$_a$	b*$_a$	C*$_{ab,a}$	h*$_{ab,a}$
O_{Ma}	47.94	64.42	50.58	81.9	38
Y_{Ma}	92.62	2.41	86.36	86.39	88
L_{Ma}	50.9	−63.82	35.02	72.81	151
C_{Ma}	51.25	−53.68	−57.69	78.82	227
V_{Ma}	25.72	30.34	−44.37	53.76	304
M_{Ma}	56.25	70.59	7.57	70.99	6
N_{Ma}	18.11	0.0	0.0	0.0	0
W_{Ma}	95.6	0.0	0.0	0.0	0
R_{CIE}	47.79	60.85	41.08	73.41	34
J_{CIE}	83.82	6.52	66.9	67.22	84
G_{CIE}	49.0	−36.83	2.78	36.95	176
B_{CIE}	25.14	−18.35	−56.22	59.15	252

%Regularity

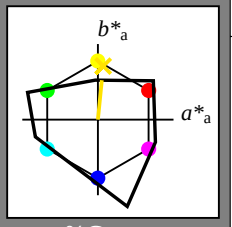
g*$_{H,rel}$ = −385

g*$_{C,rel}$ = 62

Output: Colorimetric Television Luminous System TLS00
for hue *h = *lab*h* = 84/360 = 0.234**
lab*tch* and *lab*nch

A: hue J
LCH*Ma: 91 52 84
olv*Ma: 1.0 0.89 0.0

triangle lightness *t**



%Gamut

u*$_{rel}$ = 141

TLS00; adapted (a) CIELAB data

	L*=L*$_a$	a*$_a$	b*$_a$	C*$_{ab,a}$	h*$_{ab,a}$
O_{Ma}	65.56	73.34	51.39	89.55	35
Y_{Ma}	94.78	−3.49	52.24	52.36	94
L_{Ma}	77.48	−92.97	36.0	99.71	159
C_{Ma}	78.36	−82.69	−22.74	85.77	195
V_{Ma}	12.55	38.81	−114.81	121.2	289
M_{Ma}	66.71	76.08	−29.8	81.71	339
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	47.79	61.74	42.56	74.99	35
J_{CIE}	83.82	7.06	70.78	71.13	84
G_{CIE}	49.0	−35.95	4.34	36.22	173
B_{CIE}	25.14	−17.24	−56.24	58.84	253

%Regularity

g*$_{H,rel}$ = 39

g*$_{C,rel}$ = 43

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**

RE500−7, 5 step scales for constant CIELAB hue 84/360 = 0.235 (left)

5 step scales for constant CIELAB hue 84/360 = 0.234 (right)

BAM-test chart RE50; Colorimetric systems ORS18 & TLS00
A: 2 coordinate data of 5 step colour scales for 10 hues

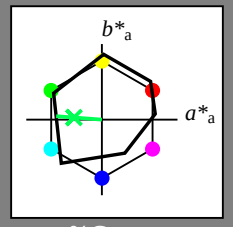
input: *olv* setrgbcolor*
output: *no change compared to input*

Input: Colorimetric Offset Reflective System ORS18

for hue *h* = lab*h = 176/360 = 0.488*
*lab*tch* and *lab*nch*

A: hue G
LCH*Ma: 51 61 176
olv*Ma: 0.0 1.0 0.33

triangle lightness *t**



%Gamut
u*rel = 96

ORS18; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	47.94	64.42	50.58	81.9	38
Y_{Ma}	92.62	2.41	86.36	86.39	88
L_{Ma}	50.9	−63.82	35.02	72.81	151
C_{Ma}	51.25	−53.68	−57.69	78.82	227
V_{Ma}	25.72	30.34	−44.37	53.76	304
M_{Ma}	56.25	70.59	7.57	70.99	6
N_{Ma}	18.11	0.0	0.0	0.0	0
W_{Ma}	95.6	0.0	0.0	0.0	0
R_{CIE}	47.79	60.85	41.08	73.41	34
J_{CIE}	83.82	6.52	66.9	67.22	84
G_{CIE}	49.0	−36.83	2.78	36.95	176
B_{CIE}	25.14	−18.35	−56.22	59.15	252

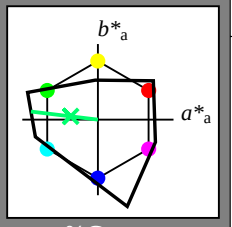
%Regularity
g*H,rel = −385
g*C,rel = 62

Output: Colorimetric Television Luminous System TLS00

for hue *h* = lab*h = 173/360 = 0.481*
*lab*tch* and *lab*nch*

A: hue G
LCH*Ma: 78 89 173
olv*Ma: 0.0 1.0 0.43

triangle lightness *t**



%Gamut
u*rel = 141

TLS00; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	65.56	73.34	51.39	89.55	35
Y_{Ma}	94.78	−3.49	52.24	52.36	94
L_{Ma}	77.48	−92.97	36.0	99.71	159
C_{Ma}	78.36	−82.69	−22.74	85.77	195
V_{Ma}	12.55	38.81	−114.81	121.2	289
M_{Ma}	66.71	76.08	−29.8	81.71	339
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	47.79	61.74	42.56	74.99	35
J_{CIE}	83.82	7.06	70.78	71.13	84
G_{CIE}	49.0	−35.95	4.34	36.22	173
B_{CIE}	25.14	−17.24	−56.24	58.84	253

%Regularity
g*H,rel = 39
g*C,rel = 43

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

RE500−7, 5 step scales for constant CIELAB hue 176/360 = 0.488 (left)
5 step scales for constant CIELAB hue 173/360 = 0.481 (right)

BAM-test chart RE50; Colorimetric systems ORS18 & TLS00
A: 2 coordinate data of 5 step colour scales for 10 hues

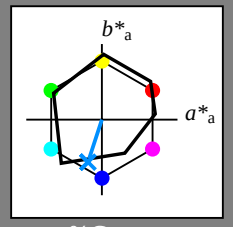
input: *olv* setrgbcolor*
output: *no change compared to input*

Input: Colorimetric Offset Reflective System ORS18

for hue *h* = lab*h = 252/360 = 0.7*
*lab*tch* and *lab*nch*

A: hue B
LCH*Ma: 40 55 252
olv*Ma: 0.0 0.56 1.0

triangle lightness *t**



%Gamut
u*rel = 96

ORS18; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	47.94	64.42	50.58	81.9	38
Y_{Ma}	92.62	2.41	86.36	86.39	88
L_{Ma}	50.9	−63.82	35.02	72.81	151
C_{Ma}	51.25	−53.68	−57.69	78.82	227
V_{Ma}	25.72	30.34	−44.37	53.76	304
M_{Ma}	56.25	70.59	7.57	70.99	6
N_{Ma}	18.11	0.0	0.0	0.0	0
W_{Ma}	95.6	0.0	0.0	0.0	0
R_{CIE}	47.79	60.85	41.08	73.41	34
J_{CIE}	83.82	6.52	66.9	67.22	84
G_{CIE}	49.0	−36.83	2.78	36.95	176
B_{CIE}	25.14	−18.35	−56.22	59.11	252

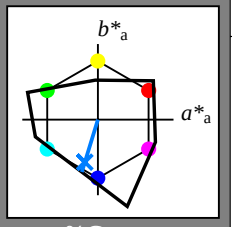
%Regularity
g*H,rel = −385
g*C,rel = 62

Output: Colorimetric Television Luminous System TLS00

for hue *h* = lab*h = 253/360 = 0.703*
*lab*tch* and *lab*nch*

A: hue B
LCH*Ma: 45 72 253
olv*Ma: 0.0 0.49 1.0

triangle lightness *t**

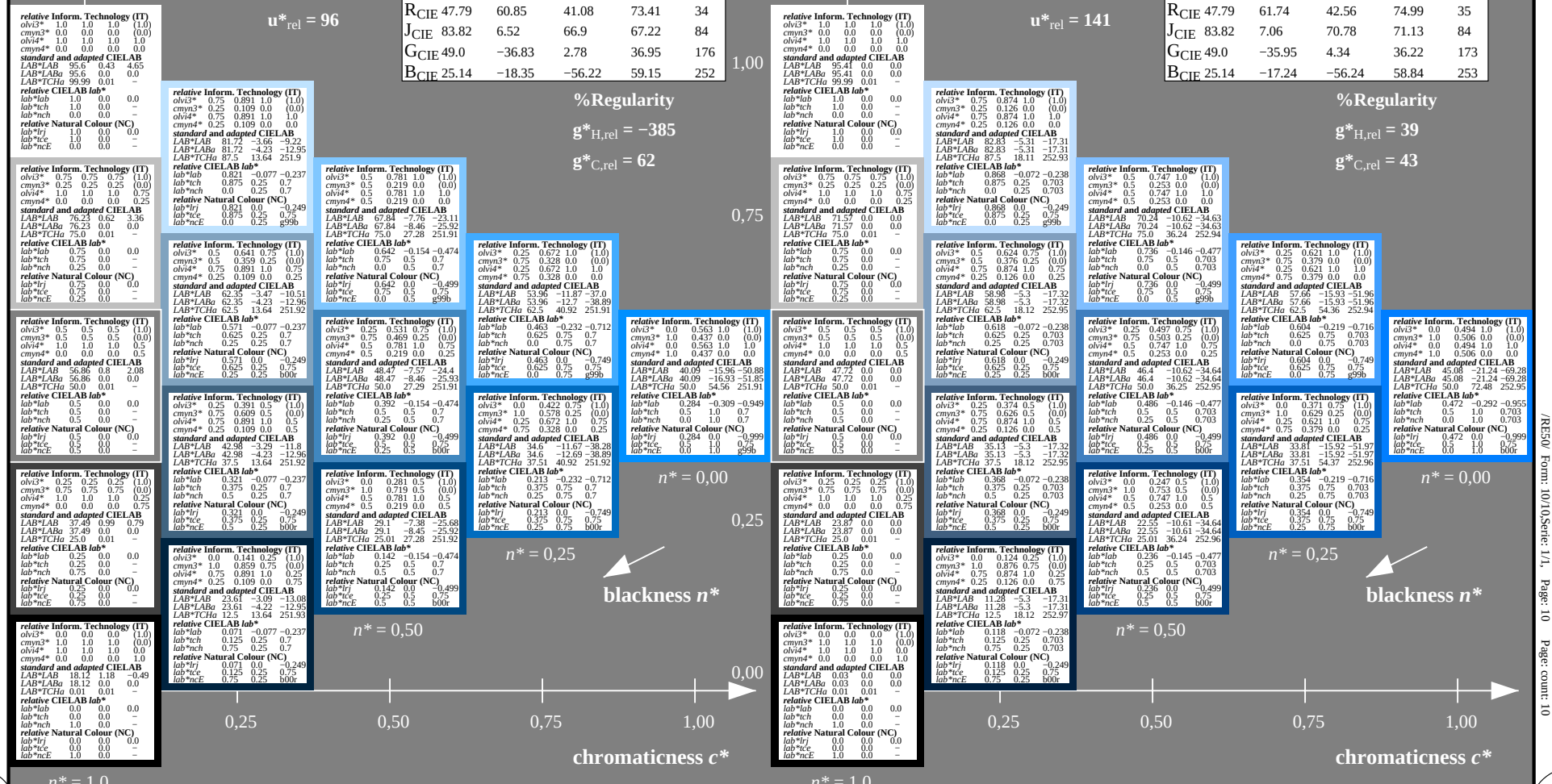


%Gamut
u*rel = 141

TLS00; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	65.56	73.34	51.39	89.55	35
Y_{Ma}	94.78	−3.49	52.24	52.36	94
L_{Ma}	77.48	−92.97	36.0	99.71	159
C_{Ma}	78.36	−82.69	−22.74	85.77	195
V_{Ma}	12.55	38.81	−114.81	121.2	289
M_{Ma}	66.71	76.08	−29.8	81.71	339
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	47.79	61.74	42.56	74.99	35
J_{CIE}	83.82	7.06	70.78	71.13	84
G_{CIE}	49.0	−35.95	4.34	36.22	173
B_{CIE}	25.14	−17.24	−56.24	58.84	253

%Regularity
g*H,rel = 39
g*C,rel = 43



RE500−7, 5 step scales for constant CIELAB hue 252/360 = 0.7 (left)

5 step scales for constant CIELAB hue 253/360 = 0.703 (right)