Input: Colorimetric Offset Reflective System ORS18

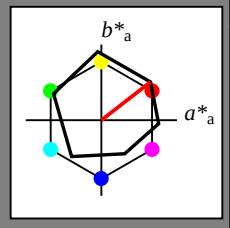
for hue *h = *lab*h* = 38/360 = 0.105**

lab*tch* and *lab*nch

D50: hue O

LCH*Ma: 48 82 38

olv*Ma: 1.0 0.0 0.0



ORS18; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	47.94	65.05	50.54	82.38	38
Y_{Ma}	91.0	−4.72	90.58	90.7	93
L_{Ma}	50.9	−63.18	34.98	72.22	151
C_{Ma}	56.99	−39.34	−48.1	62.16	231
V_{Ma}	25.72	30.89	−44.4	54.09	305
M_{Ma}	49.99	75.76	−4.64	75.9	356
N_{Ma}	18.09	0.0	0.0	0.0	0
W_{Ma}	95.46	0.0	0.0	0.0	0
R_{CIE}	41.88	61.66	30.69	68.88	26
J_{CIE}	81.97	2.02	67.79	67.82	88
G_{CIE}	51.62	−41.32	9.74	42.46	167
B_{CIE}	29.2	−5.79	−49.61	49.96	263

triangle lightness *t**

%Gamut

u*rel = 94

%Regularity

g*H,rel = 65

g*C,rel = 60

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

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

blackness *n**

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

chromaticness *c**

Output: Colorimetric Television Luminous System TLS00

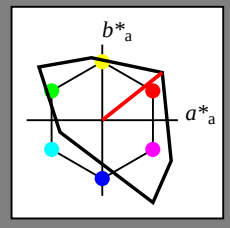
for hue *h = *lab*h* = 38/360 = 0.107**

lab*tch* and *lab*nch

D50: hue O

LCH*Ma: 54 101 38

olv*Ma: 1.0 0.0 0.0



TLS00; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	54.19	79.36	63.0	101.33	38
Y_{Ma}	93.44	−14.18	82.59	83.8	100
L_{Ma}	82.82	−83.73	70.41	109.41	140
C_{Ma}	85.22	−55.9	−15.78	58.1	196
V_{Ma}	25.61	67.05	−108.87	127.87	302
M_{Ma}	58.76	91.18	−53.69	105.82	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	41.88	62.0	31.82	69.69	27
J_{CIE}	81.97	1.81	71.59	71.61	89
G_{CIE}	51.62	−41.11	11.52	42.7	164
B_{CIE}	29.2	−5.27	−49.33	49.62	264

triangle lightness *t**

%Gamut

u*rel = 156

%Regularity

g*H,rel = 26

g*C,rel = 45

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

*n**=0,00
*n**=0,20
*n**=0,40
*n**=0,60
*n**=0,80
*n**=1,00

blackness *n**

0,00 0,20 0,40 0,60 0,80 1,00

chromaticness *c**

PE900−7, 9 step scales for constant CIELAB hue 38/360 = 0.105 (left)

16 step scales for constant CIELAB hue 38/360 = 0.107 (right)

BAM-test chart PE90; Colorimetric systems ORS18 & TLS00
D50: 9 and 16 step colour scales for 10 hues

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

Input: Colorimetric Offset Reflective System ORS18

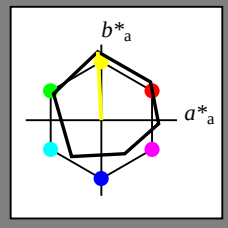
for hue *h = *lab*h* = 93/360 = 0.258**

lab*tch* and *lab*nch

D50: hue Y

LCH*Ma: 91 91 93

olv*Ma: 1.0 1.0 0.0



ORS18; adapted (a) CIELAB data

	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	47.94	65.05	50.54	82.38	38
Y_{Ma}	91.0	−4.72	90.58	90.7	93
L_{Ma}	50.9	−63.18	34.98	72.22	151
C_{Ma}	56.99	−39.34	−48.1	62.16	231
V_{Ma}	25.72	30.89	−44.4	54.09	305
M_{Ma}	49.99	75.76	−4.64	75.9	356
N_{Ma}	18.09	0.0	0.0	0.0	0
W_{Ma}	95.46	0.0	0.0	0.0	0
R_{CIE}	41.88	61.66	30.69	68.88	26
J_{CIE}	81.97	2.02	67.79	67.82	88
G_{CIE}	51.62	−41.32	9.74	42.46	167
B_{CIE}	29.2	−5.79	−49.61	49.96	263

triangle lightness *t**

%Gamut

u*$_{rel}$ = 94

%Regularity

g*$_{H,rel}$ = 65

g*$_{C,rel}$ = 60

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

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

blackness *n**

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

chromaticness *c**

Output: Colorimetric Television Luminous System TLS00

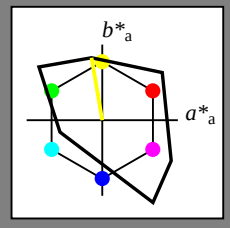
for hue *h = *lab*h* = 100/360 = 0.277**

lab*tch* and *lab*nch

D50: hue Y

LCH*Ma: 93 84 100

olv*Ma: 1.0 1.0 0.0



TLS00; adapted (a) CIELAB data

	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	54.19	79.36	63.0	101.33	38
Y_{Ma}	93.44	−14.18	82.59	83.8	100
L_{Ma}	82.82	−83.73	70.41	109.41	140
C_{Ma}	85.22	−55.9	−15.78	58.1	196
V_{Ma}	25.61	67.05	−108.87	127.87	302
M_{Ma}	58.76	91.18	−53.69	105.82	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	41.88	62.0	31.82	69.69	27
J_{CIE}	81.97	1.81	71.59	71.61	89
G_{CIE}	51.62	−41.11	11.52	42.7	164
B_{CIE}	29.2	−5.27	−49.33	49.62	264

triangle lightness *t**

%Gamut

u*$_{rel}$ = 156

%Regularity

g*$_{H,rel}$ = 26

g*$_{C,rel}$ = 45

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

*n**=0,00
*n**=0,20
*n**=0,40
*n**=0,60
*n**=0,80
*n**=1,00

blackness *n**

0,00 0,20 0,40 0,60 0,80 1,00

chromaticness *c**

PE900−7, 9 step scales for constant CIELAB hue 93/360 = 0.258 (left)

16 step scales for constant CIELAB hue 100/360 = 0.277 (right)

BAM-test chart PE90; Colorimetric systems ORS18 & TLS00
D50: 9 and 16 step colour scales for 10 hues

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

Input: Colorimetric Offset Reflective System ORS18

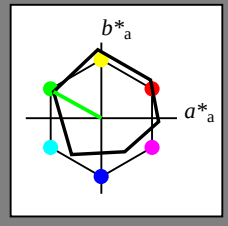
for hue *h = *lab*h* = 151/360 = 0.42**

lab*tch* and *lab*nch

D50: hue L

LCH*Ma: 51 72 151

olv*Ma: 0.0 1.0 0.0



ORS18; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	47.94	65.05	50.54	82.38	38
Y_{Ma}	91.0	−4.72	90.58	90.7	93
L_{Ma}	50.9	−63.18	34.98	72.22	151
C_{Ma}	56.99	−39.34	−48.1	62.16	231
V_{Ma}	25.72	30.89	−44.4	54.09	305
M_{Ma}	49.99	75.76	−4.64	75.9	356
N_{Ma}	18.09	0.0	0.0	0.0	0
W_{Ma}	95.46	0.0	0.0	0.0	0
R_{CIE}	41.88	61.66	30.69	68.88	26
J_{CIE}	81.97	2.02	67.79	67.82	88
G_{CIE}	51.62	−41.32	9.74	42.46	167
B_{CIE}	29.2	−5.79	−49.61	49.96	263

triangle lightness *t**

%Gamut

u*rel = 94

%Regularity

g*H,rel = 65

g*C,rel = 60

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

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

blackness *n**

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

chromaticness *c**

Output: Colorimetric Television Luminous System TLS00

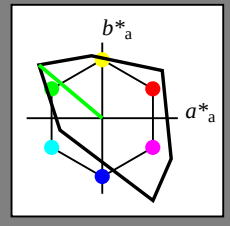
for hue *h = *lab*h* = 140/360 = 0.389**

lab*tch* and *lab*nch

D50: hue L

LCH*Ma: 83 109 140

olv*Ma: 0.0 1.0 0.0



TLS00; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	54.19	79.36	63.0	101.33	38
Y_{Ma}	93.44	−14.18	82.59	83.8	100
L_{Ma}	82.82	−83.73	70.41	109.41	140
C_{Ma}	85.22	−55.9	−15.78	58.1	196
V_{Ma}	25.61	67.05	−108.87	127.87	302
M_{Ma}	58.76	91.18	−53.69	105.82	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	41.88	62.0	31.82	69.69	27
J_{CIE}	81.97	1.81	71.59	71.61	89
G_{CIE}	51.62	−41.11	11.52	42.7	164
B_{CIE}	29.2	−5.27	−49.33	49.62	264

triangle lightness *t**

%Gamut

u*rel = 156

%Regularity

g*H,rel = 26

g*C,rel = 45

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

*n**=0,00
*n**=0,20
*n**=0,40
*n**=0,60
*n**=0,80
*n**=1,00

blackness *n**

0,00 0,20 0,40 0,60 0,80 1,00

chromaticness *c**

PE900−7, 9 step scales for constant CIELAB hue 151/360 = 0.42 (left)

16 step scales for constant CIELAB hue 140/360 = 0.389 (right)

BAM-test chart PE90; Colorimetric systems ORS18 & TLS00
D50: 9 and 16 step colour scales for 10 hues

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

Input: Colorimetric Offset Reflective System ORS18

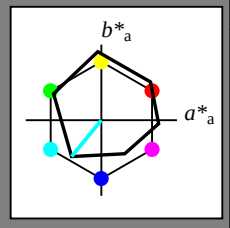
for hue *h = *lab*h* = 231/360 = 0.641**

lab*tch* and *lab*nch

D50: hue C

LCH*Ma: 57 62 231

olv*Ma: 0.0 1.0 1.0



ORS18; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	47.94	65.05	50.54	82.38	38
Y_{Ma}	91.0	−4.72	90.58	90.7	93
L_{Ma}	50.9	−63.18	34.98	72.22	151
C_{Ma}	56.99	−39.34	−48.1	62.16	231
V_{Ma}	25.72	30.89	−44.4	54.09	305
M_{Ma}	49.99	75.76	−4.64	75.9	356
N_{Ma}	18.09	0.0	0.0	0.0	0
W_{Ma}	95.46	0.0	0.0	0.0	0
R_{CIE}	41.88	61.66	30.69	68.88	26
J_{CIE}	81.97	2.02	67.79	67.82	88
G_{CIE}	51.62	−41.32	9.74	42.46	167
B_{CIE}	29.2	−5.79	−49.61	49.96	263

triangle lightness *t**

%Gamut

u*rel = 94

%Regularity

g*H,rel = 65

g*C,rel = 60

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

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

blackness *n**

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

chromaticness *c**

Output: Colorimetric Television Luminous System TLS00

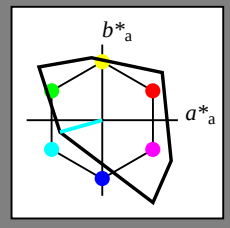
for hue *h = *lab*h* = 196/360 = 0.544**

lab*tch* and *lab*nch

D50: hue C

LCH*Ma: 85 58 196

olv*Ma: 0.0 1.0 1.0



TLS00; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	54.19	79.36	63.0	101.33	38
Y_{Ma}	93.44	−14.18	82.59	83.8	100
L_{Ma}	82.82	−83.73	70.41	109.41	140
C_{Ma}	85.22	−55.9	−15.78	58.1	196
V_{Ma}	25.61	67.05	−108.87	127.87	302
M_{Ma}	58.76	91.18	−53.69	105.82	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	41.88	62.0	31.82	69.69	27
J_{CIE}	81.97	1.81	71.59	71.61	89
G_{CIE}	51.62	−41.11	11.52	42.7	164
B_{CIE}	29.2	−5.27	−49.33	49.62	264

triangle lightness *t**

%Gamut

u*rel = 156

%Regularity

g*H,rel = 26

g*C,rel = 45

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

*n**=0,00
*n**=0,20
*n**=0,40
*n**=0,60
*n**=0,80
*n**=1,00

blackness *n**

0,00 0,20 0,40 0,60 0,80 1,00

chromaticness *c**

PE900−7, 9 step scales for constant CIELAB hue 231/360 = 0.641 (left)

16 step scales for constant CIELAB hue 196/360 = 0.544 (right)

BAM-test chart PE90; Colorimetric systems ORS18 & TLS00
D50: 9 and 16 step colour scales for 10 hues

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

Input: Colorimetric Offset Reflective System ORS18

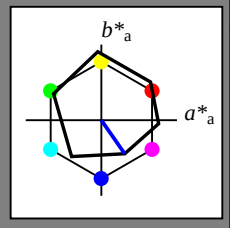
for hue *h = *lab*h* = 305/360 = 0.847**

lab*tch* and *lab*nch

D50: hue V

LCH*Ma: 26 54 305

olv*Ma: 0.0 0.0 1.0



ORS18; adapted (a) CIELAB data

	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	47.94	65.05	50.54	82.38	38
Y_{Ma}	91.0	−4.72	90.58	90.7	93
L_{Ma}	50.9	−63.18	34.98	72.22	151
C_{Ma}	56.99	−39.34	−48.1	62.16	231
V_{Ma}	25.72	30.89	−44.4	54.09	305
M_{Ma}	49.99	75.76	−4.64	75.9	356
N_{Ma}	18.09	0.0	0.0	0.0	0
W_{Ma}	95.46	0.0	0.0	0.0	0
R_{CIE}	41.88	61.66	30.69	68.88	26
J_{CIE}	81.97	2.02	67.79	67.82	88
G_{CIE}	51.62	−41.32	9.74	42.46	167
B_{CIE}	29.2	−5.79	−49.61	49.96	263

triangle lightness *t**

%Gamut

u*rel = 94

%Regularity

g*H,rel = 65

g*C,rel = 60

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

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

blackness *n**

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

chromaticness *c**

Output: Colorimetric Television Luminous System TLS00

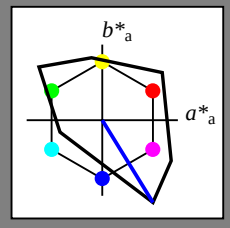
for hue *h = *lab*h* = 302/360 = 0.838**

lab*tch* and *lab*nch

D50: hue V

LCH*Ma: 26 128 302

olv*Ma: 0.0 0.0 1.0



TLS00; adapted (a) CIELAB data

	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	54.19	79.36	63.0	101.33	38
Y_{Ma}	93.44	−14.18	82.59	83.8	100
L_{Ma}	82.82	−83.73	70.41	109.41	140
C_{Ma}	85.22	−55.9	−15.78	58.1	196
V_{Ma}	25.61	67.05	−108.87	127.87	302
M_{Ma}	58.76	91.18	−53.69	105.82	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	41.88	62.0	31.82	69.69	27
J_{CIE}	81.97	1.81	71.59	71.61	89
G_{CIE}	51.62	−41.11	11.52	42.7	164
B_{CIE}	29.2	−5.27	−49.33	49.62	264

triangle lightness *t**

%Gamut

u*rel = 156

%Regularity

g*H,rel = 26

g*C,rel = 45

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

*n**=0,00
*n**=0,20
*n**=0,40
*n**=0,60
*n**=0,80
*n**=1,00

blackness *n**

0,00 0,20 0,40 0,60 0,80 1,00

chromaticness *c**

PE900−7, 9 step scales for constant CIELAB hue 305/360 = 0.847 (left)

16 step scales for constant CIELAB hue 302/360 = 0.838 (right)

BAM-test chart PE90; Colorimetric systems ORS18 & TLS00
D50: 9 and 16 step colour scales for 10 hues

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

Input: Colorimetric Offset Reflective System ORS18

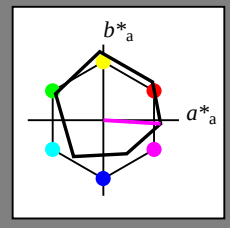
for hue *h = lab*h = 356/360 = 0.99**

lab*tch* and *lab*nch

D50: hue M

LCH*Ma: 50 76 356

olv*Ma: 1.0 0.0 1.0



ORS18; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	47.94	65.05	50.54	82.38	38
Y_{Ma}	91.0	−4.72	90.58	90.7	93
L_{Ma}	50.9	−63.18	34.98	72.22	151
C_{Ma}	56.99	−39.34	−48.1	62.16	231
V_{Ma}	25.72	30.89	−44.4	54.09	305
M_{Ma}	49.99	75.76	−4.64	75.9	356
N_{Ma}	18.09	0.0	0.0	0.0	0
W_{Ma}	95.46	0.0	0.0	0.0	0
R_{CIE}	41.88	61.66	30.69	68.88	26
J_{CIE}	81.97	2.02	67.79	67.82	88
G_{CIE}	51.62	−41.32	9.74	42.46	167
B_{CIE}	29.2	−5.79	−49.61	49.96	263

triangle lightness *t** **%Gamut** **u*rel = 94** **%Regularity** **g*H,rel = 65** **g*C,rel = 60**

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

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

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

Output: Colorimetric Television Luminous System TLS00

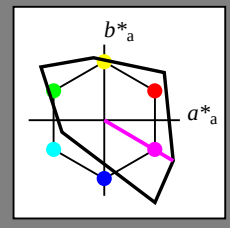
for hue *h = lab*h = 330/360 = 0.915**

lab*tch* and *lab*nch

D50: hue M

LCH*Ma: 59 106 330

olv*Ma: 1.0 0.0 1.0



TLS00; adapted (a) CIELAB data

	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
O_{Ma}	54.19	79.36	63.0	101.33	38
Y_{Ma}	93.44	−14.18	82.59	83.8	100
L_{Ma}	82.82	−83.73	70.41	109.41	140
C_{Ma}	85.22	−55.9	−15.78	58.1	196
V_{Ma}	25.61	67.05	−108.87	127.87	302
M_{Ma}	58.76	91.18	−53.69	105.82	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	41.88	62.0	31.82	69.69	27
J_{CIE}	81.97	1.81	71.59	71.61	89
G_{CIE}	51.62	−41.11	11.52	42.7	164
B_{CIE}	29.2	−5.27	−49.33	49.62	264

triangle lightness *t** **%Gamut** **u*rel = 156** **%Regularity** **g*H,rel = 26** **g*C,rel = 45**

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

*n**=0,00 *n**=0,20 *n**=0,40 *n**=0,60 *n**=0,80 *n**=1,00

blackness *n** **chromaticness *c**** 0,00 0,20 0,40 0,60 0,80 1,00

PE900−7, 9 step scales for constant CIELAB hue 356/360 = 0.99 (left)

16 step scales for constant CIELAB hue 330/360 = 0.915 (right)

BAM-test chart PE90; Colorimetric systems ORS18 & TLS00
D50: 9 and 16 step colour scales for 10 hues

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

Input: Colorimetric Offset Reflective System ORS18

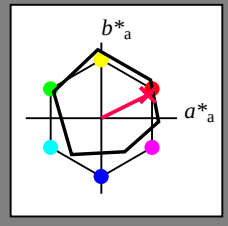
for hue *h = *lab*h* = 26/360 = 0.074**

lab*tch* and *lab*nch

D50: hue R

LCH*Ma: 49 76 26

olv*Ma: 1.0 0.0 0.3



ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	47.94	65.05	50.54	82.38	38
Y_{Ma}	91.0	−4.72	90.58	90.7	93
L_{Ma}	50.9	−63.18	34.98	72.22	151
C_{Ma}	56.99	−39.34	−48.1	62.16	231
V_{Ma}	25.72	30.89	−44.4	54.09	305
M_{Ma}	49.99	75.76	−4.64	75.9	356
N_{Ma}	18.09	0.0	0.0	0.0	0
W_{Ma}	95.46	0.0	0.0	0.0	0
R_{CIE}	41.88	61.66	30.69	68.88	26
J_{CIE}	81.97	2.02	67.79	67.82	88
G_{CIE}	51.62	−41.32	9.74	42.46	167
B_{CIE}	29.2	−5.79	−49.61	49.96	263

triangle lightness *t**

%Gamut

u*$_{rel}$ = 94

%Regularity

g*$_{H,rel}$ = 65

g*$_{C,rel}$ = 60

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

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

blackness *n**

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

chromaticness *c**

Output: Colorimetric Television Luminous System TLS00

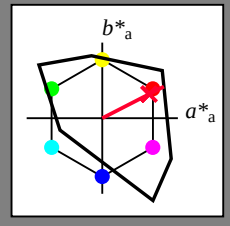
for hue *h = *lab*h* = 27/360 = 0.075**

lab*tch* and *lab*nch

D50: hue R

LCH*Ma: 55 92 27

olv*Ma: 1.0 0.0 0.18



TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	54.19	79.36	63.0	101.33	38
Y_{Ma}	93.44	−14.18	82.59	83.8	100
L_{Ma}	82.82	−83.73	70.41	109.41	140
C_{Ma}	85.22	−55.9	−15.78	58.1	196
V_{Ma}	25.61	67.05	−108.87	127.87	302
M_{Ma}	58.76	91.18	−53.69	105.82	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	41.88	62.0	31.82	69.69	27
J_{CIE}	81.97	1.81	71.59	71.61	89
G_{CIE}	51.62	−41.11	11.52	42.7	164
B_{CIE}	29.2	−5.27	−49.33	49.62	264

triangle lightness *t**

%Gamut

u*$_{rel}$ = 156

%Regularity

g*$_{H,rel}$ = 26

g*$_{C,rel}$ = 45

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

*n**=0,00
*n**=0,20
*n**=0,40
*n**=0,60
*n**=0,80
*n**=1,00

blackness *n**

0,00 0,20 0,40 0,60 0,80 1,00

chromaticness *c**

PE900−7, 9 step scales for constant CIELAB hue 26/360 = 0.074 (left)

16 step scales for constant CIELAB hue 27/360 = 0.075 (right)

BAM-test chart PE90; Colorimetric systems ORS18 & TLS00
D50: 9 and 16 step colour scales for 10 hues

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

Input: Colorimetric Offset Reflective System ORS18

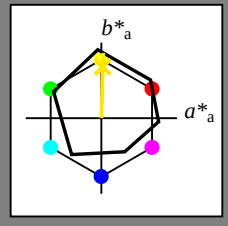
for hue *h = *lab*h* = 88/360 = 0.245**

lab*tch* and *lab*nch

D50: hue J

LCH*Ma: 86 86 88

olv*Ma: 1.0 0.9 0.0



ORS18; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	47.94	65.05	50.54	82.38	38
Y_{Ma}	91.0	−4.72	90.58	90.7	93
L_{Ma}	50.9	−63.18	34.98	72.22	151
C_{Ma}	56.99	−39.34	−48.1	62.16	231
V_{Ma}	25.72	30.89	−44.4	54.09	305
M_{Ma}	49.99	75.76	−4.64	75.9	356
N_{Ma}	18.09	0.0	0.0	0.0	0
W_{Ma}	95.46	0.0	0.0	0.0	0
R_{CIE}	41.88	61.66	30.69	68.88	26
J_{CIE}	81.97	2.02	67.79	67.82	88
G_{CIE}	51.62	−41.32	9.74	42.46	167
B_{CIE}	29.2	−5.79	−49.61	49.96	263

triangle lightness *t**

%Gamut

u*rel = 94

%Regularity

g*H,rel = 65

g*C,rel = 60

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

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

blackness *n**

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

chromaticness *c**

Output: Colorimetric Television Luminous System TLS00

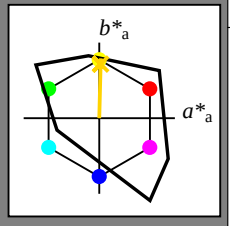
for hue *h = *lab*h* = 89/360 = 0.246**

lab*tch* and *lab*nch

D50: hue J

LCH*Ma: 87 79 89

olv*Ma: 1.0 0.83 0.0



TLS00; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	54.19	79.36	63.0	101.33	38
Y_{Ma}	93.44	−14.18	82.59	83.8	100
L_{Ma}	82.82	−83.73	70.41	109.41	140
C_{Ma}	85.22	−55.9	−15.78	58.1	196
V_{Ma}	25.61	67.05	−108.87	127.87	302
M_{Ma}	58.76	91.18	−53.69	105.82	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	41.88	62.0	31.82	69.69	27
J_{CIE}	81.97	1.81	71.59	71.61	89
G_{CIE}	51.62	−41.11	11.52	42.7	164
B_{CIE}	29.2	−5.27	−49.33	49.62	264

triangle lightness *t**

%Gamut

u*rel = 156

%Regularity

g*H,rel = 26

g*C,rel = 45

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

*n**=0,00
*n**=0,20
*n**=0,40
*n**=0,60
*n**=0,80
*n**=1,00

blackness *n**

0,00 0,20 0,40 0,60 0,80 1,00

chromaticness *c**

PE900−7, 9 step scales for constant CIELAB hue 88/360 = 0.245 (left)

16 step scales for constant CIELAB hue 89/360 = 0.246 (right)

BAM-test chart PE90; Colorimetric systems ORS18 & TLS00
D50: 9 and 16 step colour scales for 10 hues

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

Input: Colorimetric Offset Reflective System ORS18

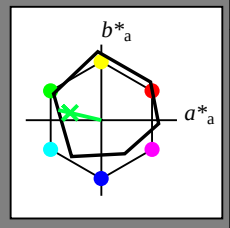
for hue *h = *lab*h* = 167/360 = 0.463**

lab*tch* and *lab*nch

D50: hue G

LCH*Ma: 52 59 167

olv*Ma: 0.0 1.0 0.26



ORS18; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	47.94	65.05	50.54	82.38	38
Y_{Ma}	91.0	−4.72	90.58	90.7	93
L_{Ma}	50.9	−63.18	34.98	72.22	151
C_{Ma}	56.99	−39.34	−48.1	62.16	231
V_{Ma}	25.72	30.89	−44.4	54.09	305
M_{Ma}	49.99	75.76	−4.64	75.9	356
N_{Ma}	18.09	0.0	0.0	0.0	0
W_{Ma}	95.46	0.0	0.0	0.0	0
R_{CIE}	41.88	61.66	30.69	68.88	26
J_{CIE}	81.97	2.02	67.79	67.82	88
G_{CIE}	51.62	−41.32	9.74	42.46	167
B_{CIE}	29.2	−5.79	−49.61	49.96	263

triangle lightness *t**

%Gamut

u*rel = 94

%Regularity

g*H,rel = 65

g*C,rel = 60

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

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

blackness *n**

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

chromaticness *c**

Output: Colorimetric Television Luminous System TLS00

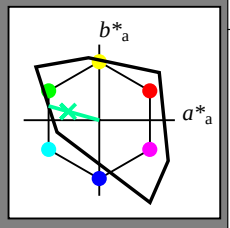
for hue *h = *lab*h* = 164/360 = 0.457**

lab*tch* and *lab*nch

D50: hue G

LCH*Ma: 84 70 164

olv*Ma: 0.0 1.0 0.6



TLS00; adapted (a) CIELAB data

	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a
O_{Ma}	54.19	79.36	63.0	101.33	38
Y_{Ma}	93.44	−14.18	82.59	83.8	100
L_{Ma}	82.82	−83.73	70.41	109.41	140
C_{Ma}	85.22	−55.9	−15.78	58.1	196
V_{Ma}	25.61	67.05	−108.87	127.87	302
M_{Ma}	58.76	91.18	−53.69	105.82	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	41.88	62.0	31.82	69.69	27
J_{CIE}	81.97	1.81	71.59	71.61	89
G_{CIE}	51.62	−41.11	11.52	42.7	164
B_{CIE}	29.2	−5.27	−49.33	49.62	264

triangle lightness *t**

%Gamut

u*rel = 156

%Regularity

g*H,rel = 26

g*C,rel = 45

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

*n**=0,00
*n**=0,20
*n**=0,40
*n**=0,60
*n**=0,80
*n**=1,00

blackness *n**

0,00 0,20 0,40 0,60 0,80 1,00

chromaticness *c**

PE900−7, 9 step scales for constant CIELAB hue 167/360 = 0.463 (left)

16 step scales for constant CIELAB hue 164/360 = 0.457 (right)

BAM-test chart PE90; Colorimetric systems ORS18 & TLS00
D50: 9 and 16 step colour scales for 10 hues

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

Input: Colorimetric Offset Reflective System ORS18

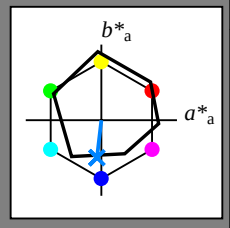
for hue *h = *lab*h* = 263/360 = 0.731**

lab*tch* and *lab*nch

D50: hue B

LCH*Ma: 42 47 263

olv*Ma: 0.0 0.52 1.0



ORS18; adapted (a) CIELAB data

	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	47.94	65.05	50.54	82.38	38
Y_{Ma}	91.0	−4.72	90.58	90.7	93
L_{Ma}	50.9	−63.18	34.98	72.22	151
C_{Ma}	56.99	−39.34	−48.1	62.16	231
V_{Ma}	25.72	30.89	−44.4	54.09	305
M_{Ma}	49.99	75.76	−4.64	75.9	356
N_{Ma}	18.09	0.0	0.0	0.0	0
W_{Ma}	95.46	0.0	0.0	0.0	0
R_{CIE}	41.88	61.66	30.69	68.88	26
J_{CIE}	81.97	2.02	67.79	67.82	88
G_{CIE}	51.62	−41.32	9.74	42.46	167
B_{CIE}	29.2	−5.79	−49.61	49.96	263

triangle lightness *t**

%Gamut

u*rel = 94

%Regularity

g*H,rel = 65

g*C,rel = 60

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

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

blackness *n**

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

chromaticness *c**

Output: Colorimetric Television Luminous System TLS00

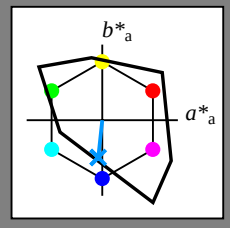
for hue *h = *lab*h* = 264/360 = 0.733**

lab*tch* and *lab*nch

D50: hue B

LCH*Ma: 61 54 264

olv*Ma: 0.0 0.59 1.0



TLS00; adapted (a) CIELAB data

	L=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	54.19	79.36	63.0	101.33	38
Y_{Ma}	93.44	−14.18	82.59	83.8	100
L_{Ma}	82.82	−83.73	70.41	109.41	140
C_{Ma}	85.22	−55.9	−15.78	58.1	196
V_{Ma}	25.61	67.05	−108.87	127.87	302
M_{Ma}	58.76	91.18	−53.69	105.82	330
N_{Ma}	0.01	0.0	0.0	0.0	0
W_{Ma}	95.41	0.0	0.0	0.0	0
R_{CIE}	41.88	62.0	31.82	69.69	27
J_{CIE}	81.97	1.81	71.59	71.61	89
G_{CIE}	51.62	−41.11	11.52	42.7	164
B_{CIE}	29.2	−5.27	−49.33	49.62	264

triangle lightness *t**

%Gamut

u*rel = 156

%Regularity

g*H,rel = 26

g*C,rel = 45

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

*n**=0,00
*n**=0,20
*n**=0,40
*n**=0,60
*n**=0,80
*n**=1,00

blackness *n**

0,00 0,20 0,40 0,60 0,80 1,00

chromaticness *c**

PE900−7, 9 step scales for constant CIELAB hue 263/360 = 0.731 (left)

16 step scales for constant CIELAB hue 264/360 = 0.733 (right)

BAM-test chart PE90; Colorimetric systems ORS18 & TLS00
D50: 9 and 16 step colour scales for 10 hues

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