

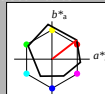
Input: Colorimetric Offset Reflective System ORS18

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

lab^*tch and lab^*nch

D65: hue O
LCH*Ma: 48 83 38
olw*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut
 $u^*_{rel} = 93$
%Regularity
 $g^*_{H,rel} = 57$
 $g^*_{C,rel} = 59$

ORS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
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	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

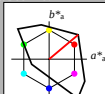
Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 40/360 = 0.111$

lab^*tch and lab^*nch

D65: hue O
LCH*Ma: 51 100 40
olw*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut
 $u^*_{rel} = 158$
%Regularity
 $g^*_{H,rel} = 20$
 $g^*_{C,rel} = 37$

TLS00; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	64.55	100.42	40
Y _{Ma}	92.66	-20.69	90.75	93.08	103
L _{Ma}	83.63	-82.75	79.9	115.04	136
V _{Ma}	86.88	-46.16	-13.55	48.12	196
M _{Ma}	30.39	76.06	-103.59	128.52	306
M _{Ma}	57.3	94.35	-58.41	110.97	328
N _{Ma}	0.01	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

relative Inform. Technology (IT)
 $olw^*3^* = 1.0$ 1.0 1.0 (1.0)
 $cmyn^*3^* = 0.0$ 0.0 0.0 (0.0)
 $olw^*4^* = 1.0$ 1.0 1.0 (1.0)
 $cmyn^*4^* = 0.0$ 0.0 0.0 (0.0)

standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*Lab 95.41 0.0 0.0
LAB*TChe 99.99 0.01 -
relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
 $olw^*3^* = 0.5$ 0.5 0.5 (1.0)
 $cmyn^*3^* = 0.5$ 0.5 0.5 (0.0)
 $olw^*4^* = 1.0$ 1.0 1.0 (0.5)
 $cmyn^*4^* = 0.0$ 0.0 0.0 (0.5)

standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*Lab 47.72 0.0 0.0
LAB*TChe 50.0 0.01 -
relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.5 0.0 -
relative Natural Colour (NC)
lab*lrj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
 $olw^*3^* = 0.0$ 0.0 0.0 (1.0)
 $cmyn^*3^* = 1.0$ 1.0 1.0 (0.0)
 $olw^*4^* = 1.0$ 1.0 1.0 (1.0)
 $cmyn^*4^* = 0.0$ 0.0 0.0 (1.0)

standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*Lab 0.03 0.0 0.0
LAB*TChe 0.01 0.01 -
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

relative Inform. Technology (IT)
 $olw^*3^* = 1.0$ 0.5 0.5 (1.0)
 $cmyn^*3^* = 0.0$ 0.5 0.5 (0.0)
 $olw^*4^* = 1.0$ 0.5 0.5 (1.0)
 $cmyn^*4^* = 0.0$ 0.5 0.5 (0.0)

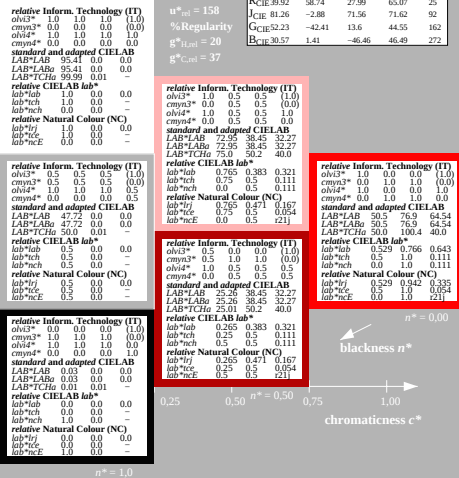
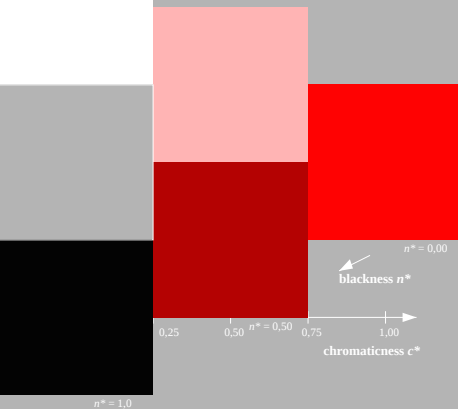
standard and adapted CIELAB
LAB*LAB 72.95 38.45 32.27
LAB*Lab 72.95 38.45 32.27
LAB*TChe 75.0 50.2 40.0
relative CIELAB lab*
lab*lab 0.765 0.383 0.321
lab*tch 0.75 0.5 0.111
lab*nch 0.0 0.5 0.111
relative Natural Colour (NC)
lab*lrj 0.765 0.471 0.167
lab*tce 0.75 0.5 0.054
lab*nce 0.0 0.5 0.121

relative Inform. Technology (IT)
 $olw^*3^* = 0.5$ 0.0 0.0 (1.0)
 $cmyn^*3^* = 0.5$ 1.0 1.0 (0.0)
 $olw^*4^* = 1.0$ 0.5 0.5 0.5
 $cmyn^*4^* = 0.0$ 0.5 0.5 0.5

standard and adapted CIELAB
LAB*LAB 25.26 38.45 32.27
LAB*Lab 25.26 38.45 32.27
LAB*TChe 25.01 30.2 40.0
relative CIELAB lab*
lab*lab 0.265 0.383 0.321
lab*tch 0.25 0.5 0.111
lab*nch 0.5 0.5 0.111
relative Natural Colour (NC)
lab*lrj 0.265 0.471 0.167
lab*tce 0.25 0.5 0.054
lab*nce 0.5 0.5 0.121

relative Inform. Technology (IT)
 $olw^*3^* = 0.0$ 1.0 1.0 (0.0)
 $cmyn^*3^* = 1.0$ 0.0 0.0 (1.0)
 $olw^*4^* = 1.0$ 0.0 0.0 1.0
 $cmyn^*4^* = 0.0$ 1.0 1.0 0.0

standard and adapted CIELAB
LAB*LAB 50.5 76.9 64.54
LAB*Lab 50.5 76.9 64.54
LAB*TChe 50.0 100.4 40.0
relative CIELAB lab*
lab*lab 0.529 0.766 0.643
lab*tch 0.5 1.0 0.111
lab*nch 0.0 1.0 0.111
relative Natural Colour (NC)
lab*lrj 0.529 0.942 0.325
lab*tce 0.5 1.0 0.054
lab*nce 0.0 1.0 0.121



NE00-7, 3 step scales for constant CIELAB hue 38/360 = 0.105 (left)

3 step scales for constant CIELAB hue 40/360 = 0.111 (right)

BAM-test chart NE00; Colorimetric systems ORS18 & TLS00
D65: 3 step colour scales and coordinate data for 10 hues

input: $olw^*setrgbcolor$
output: $olw^*setrgbcolor / w^*setgray$