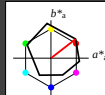


Input: Colorimetric Offset Reflective System ORS18

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

A: hue O
LCH*Ma: 48 83 38
olv*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	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa 47.94	65.39	50.52	82.63	38
YMa 90.37	-10.26	91.75	92.32	96
LMa 50.9	-62.83	34.96	71.91	151
CMa 58.62	-30.34	-45.01	54.23	236
VMa 25.72	31.1	-44.4	54.22	305
MMa 48.13	75.28	-8.36	75.74	354
NMa 18.01	0.0	0.0	0.0	0
WMa 95.41	0.0	0.0	0.0	0
RCIE 39.92	58.66	26.98	64.57	25
JCIE 81.26	-2.16	67.76	67.79	92
GCIE 52.23	-42.25	11.76	43.87	164
BCIE 30.57	1.15	-46.84	46.86	271

standard and adapted CIELAB

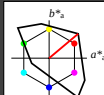
LAB^*LAB	LAB^*Lab	LAB^*TCh
95.41	0.0	0.0
95.41	0.0	0.0
95.99	0.01	-
relative CIELAB lab*		
lab^*lab	1.0	0.0
lab^*tch	1.0	0.0
lab^*nch	0.0	0.0
relative Natural Colour (NC)		
lab^*lrj	1.0	0.0
lab^*tce	1.0	0.0
lab^*nce	0.0	0.0

Output: Colorimetric Television Luminous System TLS00

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

A: hue O
LCH*Ma: 51 100 40
olv*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	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa 50.5	76.92	64.55	100.42	40
YMa 92.66	-20.69	90.75	93.08	103
LMa 83.63	-82.75	79.9	115.04	136
CMa 86.88	-46.16	-13.55	48.12	196
VMa 30.39	76.06	-103.59	128.52	306
MMa 57.3	94.35	-58.41	110.97	328
NMa 0.01	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

standard and adapted CIELAB

LAB^*LAB	LAB^*Lab	LAB^*TCh
95.41	0.0	0.0
95.41	0.0	0.0
95.99	0.01	-
relative CIELAB lab*		
lab^*lab	1.0	0.0
lab^*tch	1.0	0.0
lab^*nch	0.0	0.0
relative Natural Colour (NC)		
lab^*lrj	1.0	0.0
lab^*tce	1.0	0.0
lab^*nce	0.0	0.0

relative Inform. Technology (IT)		
olv^*3	0.5	0.5
olv^*4	1.0	1.0
olv^*5	0.0	0.0
standard and adapted CIELAB		
LAB^*LAB	47.72	0.0
LAB^*Lab	47.72	0.0
LAB^*TCh	50.0	0.01
relative CIELAB lab*		
lab^*lab	0.5	0.0
lab^*tch	0.5	0.0
lab^*nch	0.0	0.0
relative Natural Colour (NC)		
lab^*lrj	0.5	0.0
lab^*tce	0.5	0.0
lab^*nce	0.0	0.0

relative Inform. Technology (IT)		
olv^*3	0.5	0.5
olv^*4	1.0	1.0
olv^*5	0.0	0.0
standard and adapted CIELAB		
LAB^*LAB	50.5	0.0
LAB^*Lab	50.5	0.0
LAB^*TCh	50.0	0.01
relative CIELAB lab*		
lab^*lab	0.5	0.0
lab^*tch	0.5	0.0
lab^*nch	0.0	0.0
relative Natural Colour (NC)		
lab^*lrj	0.5	0.0
lab^*tce	0.5	0.0
lab^*nce	0.0	0.0

relative Inform. Technology (IT)		
olv^*3	0.5	0.5
olv^*4	1.0	1.0
olv^*5	0.0	0.0
standard and adapted CIELAB		
LAB^*LAB	50.5	0.0
LAB^*Lab	50.5	0.0
LAB^*TCh	50.0	0.01
relative CIELAB lab*		
lab^*lab	0.529	0.766
lab^*tch	0.5	1.0
lab^*nch	0.0	1.0
relative Natural Colour (NC)		
lab^*lrj	0.529	0.942
lab^*tce	0.5	1.0
lab^*nce	0.0	1.0

relative Inform. Technology (IT)		
olv^*3	0.5	0.5
olv^*4	1.0	1.0
olv^*5	0.0	0.0
standard and adapted CIELAB		
LAB^*LAB	25.26	0.0
LAB^*Lab	25.26	0.0
LAB^*TCh	25.01	0.02
relative CIELAB lab*		
lab^*lab	0.265	0.383
lab^*tch	0.25	0.5
lab^*nch	0.0	0.5
relative Natural Colour (NC)		
lab^*lrj	0.265	0.471
lab^*tce	0.25	0.5
lab^*nce	0.0	0.5

relative Inform. Technology (IT)		
olv^*3	0.5	0.5
olv^*4	1.0	1.0
olv^*5	0.0	0.0
standard and adapted CIELAB		
LAB^*LAB	25.26	0.0
LAB^*Lab	25.26	0.0
LAB^*TCh	25.01	0.02
relative CIELAB lab*		
lab^*lab	0.265	0.383
lab^*tch	0.25	0.5
lab^*nch	0.0	0.5
relative Natural Colour (NC)		
lab^*lrj	0.265	0.471
lab^*tce	0.25	0.5
lab^*nce	0.0	0.5

relative Inform. Technology (IT)		
olv^*3	0.5	0.5
olv^*4	1.0	1.0
olv^*5	0.0	0.0
standard and adapted CIELAB		
LAB^*LAB	25.26	0.0
LAB^*Lab	25.26	0.0
LAB^*TCh	25.01	0.02
relative CIELAB lab*		
lab^*lab	0.265	0.383
lab^*tch	0.25	0.5
lab^*nch	0.0	0.5
relative Natural Colour (NC)		
lab^*lrj	0.265	0.471
lab^*tce	0.25	0.5
lab^*nce	0.0	0.5

$n^* = 0.00$
blackness n^*

chromaticness c^*

$n^* = 0.00$
blackness n^*

chromaticness c^*

$n^* = 1.0$

$n^* = 1.0$

BAM-test chart RE00; Colorimetric systems ORS18 & TLS00
A: 3 step colour scales and coordinate data for 10 hues

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

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