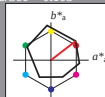


Input: Colorimetric Offset Reflective System ORS18

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

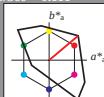
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
QMa	47.94	65.39	50.52	82.63	38
YMa	90.37	-10.26	91.75	92.32	96
LMa	50.9	-62.83	34.96	71.91	151
CMa	58.62	-30.34	-45.01	54.3	236
VMa	25.72	31.1	-44.4	54.22	305
MMa	48.13	75.28	-8.36	75.74	354
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	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

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
VMa	86.88	-46.16	-13.55	48.12	196
CMa	30.39	76.06	-103.59	128.52	306
NMa	57.3	94.35	-58.41	110.97	328
WMa	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

relative Inform. Technology (IT)
 $olv3^* = 1.0 \ 1.0 \ 1.0 \ (1.0)$
 $cmv3^* = 0.0 \ 0.0 \ 0.0 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmv4^* = 0.0 \ 0.0 \ 0.0 \ 0.0$
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 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)
 $lab^*trj = 1.0 \ 0.0 \ 0.0$
 $lab^*tce = 1.0 \ 0.0 \ -$
 $lab^*nce = 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olv3^* = 0.5 \ 0.5 \ 0.5 \ (1.0)$
 $cmv3^* = 0.5 \ 0.5 \ 0.5 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ 0.5$
 $cmv4^* = 0.0 \ 0.0 \ 0.0 \ 0.5$
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 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)
 $lab^*trj = 0.5 \ 0.0 \ 0.0$
 $lab^*tce = 0.5 \ 0.0 \ -$
 $lab^*nce = 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olv3^* = 0.0 \ 0.0 \ 0.0 \ (1.0)$
 $cmv3^* = 1.0 \ 1.0 \ 1.0 \ (0.0)$
 $olv4^* = 1.0 \ 1.0 \ 1.0 \ 1.0$
 $cmv4^* = 0.0 \ 0.0 \ 0.0 \ 1.0$
standard and adapted CIELAB
LAB*LAB 0.03 0.0 0.0
LAB*LABa 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)
 $lab^*trj = 0.0 \ 0.0 \ 0.0$
 $lab^*tce = 0.0 \ 0.0 \ -$
 $lab^*nce = 1.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olv3^* = 1.0 \ 0.5 \ 0.5 \ (1.0)$
 $cmv3^* = 0.0 \ 0.5 \ 0.5 \ (0.0)$
 $olv4^* = 1.0 \ 0.5 \ 0.5 \ 1.0$
 $cmv4^* = 0.0 \ 0.5 \ 0.5 \ 0.0$
standard and adapted CIELAB
LAB*LAB 72.95 38.45 32.27
LAB*LABa 72.95 38.45 32.27
LAB*TCHe 75.0 50.2 40.0

relative CIELAB lab*
 $lab^*lab = 0.765 \ 0.383 \ 0.321$
 $lab^*tch = 0.75 \ 0.5 \ 0.111$
 $lab^*nch = 0.0 \ 0.5 \ 0.111$
 $lab^*trj = 0.765 \ 0.471 \ 0.167$
 $lab^*tce = 0.75 \ 0.5 \ 0.054$
 $lab^*nce = 0.0 \ 0.5 \ 0.121$

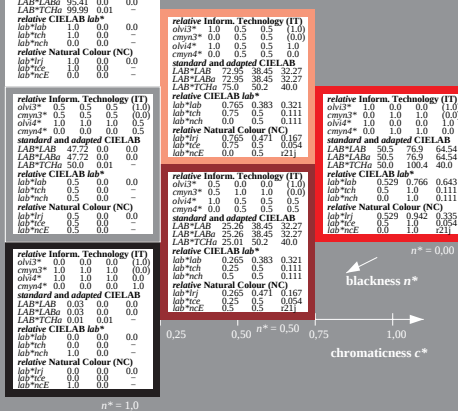
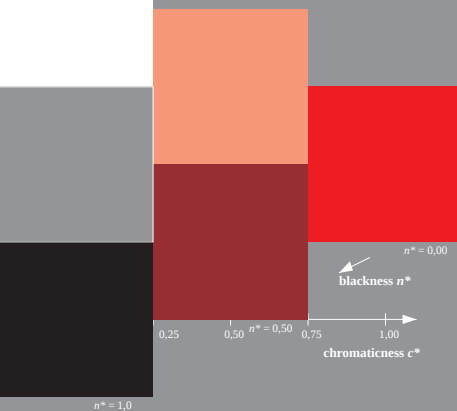
relative Inform. Technology (IT)
 $olv3^* = 0.5 \ 0.0 \ 0.0 \ (1.0)$
 $cmv3^* = 0.5 \ 1.0 \ 1.0 \ (0.0)$
 $olv4^* = 1.0 \ 0.5 \ 0.5 \ 0.5$
 $cmv4^* = 0.0 \ 0.5 \ 0.5 \ 0.5$
standard and adapted CIELAB
LAB*LAB 25.26 38.45 32.27
LAB*LABa 25.26 38.45 32.27
LAB*TCHe 25.01 30.2 40.0

relative CIELAB lab*
 $lab^*lab = 0.265 \ 0.383 \ 0.321$
 $lab^*tch = 0.25 \ 0.5 \ 0.111$
 $lab^*nch = 0.5 \ 0.5 \ 0.111$
 $lab^*trj = 0.265 \ 0.471 \ 0.167$
 $lab^*tce = 0.25 \ 0.5 \ 0.054$
 $lab^*nce = 0.5 \ 0.5 \ 0.121$

relative Inform. Technology (IT)
 $olv3^* = 0.0 \ 1.0 \ 0.0 \ (1.0)$
 $cmv3^* = 0.0 \ 1.0 \ 0.0 \ (0.0)$
 $olv4^* = 1.0 \ 0.0 \ 0.0 \ 1.0$
 $cmv4^* = 0.0 \ 0.0 \ 0.0 \ 0.0$
standard and adapted CIELAB
LAB*LAB 50.5 76.9 64.54
LAB*LABa 50.5 76.9 64.54
LAB*TCHe 50.0 100.4 40.0

relative CIELAB lab*
 $lab^*lab = 0.529 \ 0.766 \ 0.643$
 $lab^*tch = 0.5 \ 1.0 \ 0.111$
 $lab^*nch = 0.0 \ 1.0 \ 0.111$
 $lab^*trj = 0.529 \ 0.942 \ 0.325$
 $lab^*tce = 0.5 \ 1.0 \ 0.054$
 $lab^*nce = 0.0 \ 1.0 \ 0.121$

relative Natural Colour (NC)
 $lab^*trj = 0.529 \ 0.942 \ 0.325$
 $lab^*tce = 0.5 \ 1.0 \ 0.054$
 $lab^*nce = 0.0 \ 1.0 \ 0.121$



SE000-7, 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 SE00; Colorimetric systems ORS18 & TLS00
A: 3 step colour scales and coordinate data for 10 hues

input: $cmv0^* \ setcmkcolor$
output: $cmv0^* / 000n^* \ setcmkcolor$