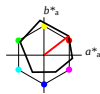


Input: Colorimetric Offset Reflective System ORS18

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

$g^*_{rel} = 57$

$g^*_{rel} = 59$

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	-0.98	4.75
LAB*LABo	95.41	0.0	0.0
LAB*TCHo	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.5	0.0	(1.0)
lab*tch	1.0	0.0	-	(0.0)
lab*nch	1.0	0.0	-	(0.0)

relative Natural Colour (NC)

lab*lrj	1.0	0.0	0.0
lab*tce	1.0	0.0	0.0
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olv3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.0	0.5	0.5	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	56.71	-0.24	2.14
LAB*LABo	56.71	0.0	0.0
LAB*TCHo	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0	(1.0)
lab*tch	0.5	0.0	-	(0.0)
lab*nch	0.5	0.0	-	(0.0)

relative Natural Colour (NC)

lab*lrj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(1.0)
olv4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(1.0)

standard and adapted CIELAB

LAB*LAB	18.02	0.5	-0.47
LAB*LABo	18.02	0.0	0.0
LAB*TCHo	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	(1.0)
lab*tch	0.0	0.0	-	(0.0)
lab*nch	0.0	0.0	-	(0.0)

relative Natural Colour (NC)

lab*lrj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	1.0	0.0	-

$n^* = 1.0$

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.5	(1.0)
cmyn3*	0.0	0.5	0.5	(0.0)
olv4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	71.67	32.15	28.41
LAB*LABo	71.67	32.69	25.25
LAB*TCHo	75.0	41.31	37.69

relative CIELAB lab*

lab*lab	0.693	0.396	0.306
lab*tch	0.75	0.5	0.105
lab*nch	0.0	0.5	0.105

relative Natural Colour (NC)

lab*lrj	0.693	0.477	0.15
lab*tce	0.75	0.5	0.048
lab*nce	0.0	0.5	0.15

relative Inform. Technology (IT)

olv3*	0.5	0.0	0.0	(1.0)
cmyn3*	0.5	1.0	0.0	(0.0)
olv4*	0.5	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	32.98	32.9	25.8
LAB*LABo	32.98	32.69	25.25
LAB*TCHo	25.01	41.31	37.69

relative CIELAB lab*

lab*lab	0.193	0.396	0.306
lab*tch	0.25	0.5	0.105
lab*nch	0.0	0.5	0.105

relative Natural Colour (NC)

lab*lrj	0.193	0.477	0.15
lab*tce	0.25	0.5	0.048
lab*nce	0.0	0.5	0.15

relative Inform. Technology (IT)

olv3*	1.0	0.0	0.0	(1.0)
cmyn3*	0.0	1.0	0.0	(0.0)
olv4*	1.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.94	65.3	52.06
LAB*LABo	47.94	65.37	50.51
LAB*TCHo	50.0	82.63	37.69

relative CIELAB lab*

lab*lab	0.387	0.791	0.611
lab*tch	0.5	1.0	0.105
lab*nch	0.0	1.0	0.105

relative Natural Colour (NC)

lab*lrj	0.387	0.954	0.299
lab*tce	0.5	1.0	0.048
lab*nce	0.0	1.0	0.15

$n^* = 0.00$

blackness n^*

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABo	0.03	0.0	0.0
LAB*TCHo	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	(1.0)
lab*tch	0.0	0.0	-	(0.0)
lab*nch	0.0	0.0	-	(0.0)

relative Natural Colour (NC)

lab*lrj	0.0	0.0	0.0
lab*tce	0.0	0.0	0.0
lab*nce	0.0	0.0	-

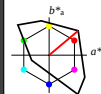
$n^* = 1.0$

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

$g^*_{rel} = 20$

$g^*_{rel} = 37$

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LABo	95.41	0.0	0.0
LAB*TCHo	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0	(1.0)
lab*tch	1.0	0.0	-	(0.0)
lab*nch	1.0	0.0	-	(0.0)

relative Natural Colour (NC)

lab*lrj	1.0	0.0	0.0
lab*tce	1.0	0.0	0.0
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olv3*	0.5	0.5	0.5	(1.0)
cmyn3*	0.0	0.5	0.5	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABo	47.72	0.0	0.0
LAB*TCHo	50.0	0.01	-

relative CIELAB lab*

lab*lab	0.5	0.0	0.0	(1.0)
lab*tch	0.5	0.0	-	(0.0)
lab*nch	0.5	0.0	-	(0.0)

relative Natural Colour (NC)

lab*lrj	0.5	0.0	0.0
lab*tce	0.5	0.0	0.0
lab*nce	0.0	0.0	-

relative Inform. Technology (IT)

olv3*	0.5	0.0	0.0	(1.0)
cmyn3*	0.5	1.0	0.0	(0.0)
olv4*	0.5	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	25.26	38.45	32.27
LAB*LABo	25.26	38.45	32.27
LAB*TCHo	25.01	40.2	40.0

relative CIELAB lab*

lab*lab	0.265	0.383	0.321
lab*tch	0.25	0.5	0.111
lab*nch	0.0	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	0.0	0.5	0.121

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(1.0)
olv4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(1.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABo	0.03	0.0	0.0
LAB*TCHo	0.01	0.01	-

$n^* = 1.0$

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.5	(1.0)
cmyn3*	0.0	0.5	0.5	(0.0)
olv4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	72.95	38.45	32.27
LAB*LABo	72.95	38.45	32.27
LAB*TCHo	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)

olv3*	0.5	0.0	0.0	(1.0)
cmyn3*	0.5	1.0	0.0	(0.0)
olv4*	0.5	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	25.26	38.45	32.27
LAB*LABo	25.26	38.45	32.27
LAB*TCHo	25.01	40.2	40.0

relative CIELAB lab*

lab*lab	0.529	0.942	0.325
lab*tch	0.5	1.0	0.054
lab*nch	0.0	1.0	0.121

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

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(1.0)
olv4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(1.0)

standard and adapted CIELAB

LAB*LAB	0.03	0.0	0.0
LAB*LABo	0.03	0.0	0.0
LAB*TCHo	0.01	0.01	-

relative CIELAB lab*

lab*lab	0.265	0.383	0.321
lab*tch	0.25	0.5	0.111
lab*nch	0.0	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	0.0	0.5	0.121

$n^* = 0.00$

relative Inform. Technology (IT)

olv3*	1.0	0.0	0.0	(1.0)
cmyn3*	0.0	1.0	0.0	(0.0)
olv4*	1.0	0.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	50.5	76.9	64.54
LAB*LABo	50.5	76.9	64.54
LAB*TCHo	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

relative Inform. Technology (IT)

olv3*	0.5	0.0	0.0	(1.0)
cmyn3*	0.5	1.0	0.0	(0.0)
olv4*	0.5	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	25.26	38.45	32.27
LAB*LABo	25.26	38.45	32.27
LAB*TCHo	25.01	40.2	40.0

relative CIELAB lab*

lab*lab	0.265	0.383	0.321
lab*tch	0.25	0.5	0.111
lab*nch	0.0	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	0.0	0.5	0.121

chromaticness c^*