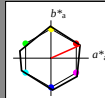


Input: Colorimetric Reflective System NRS11
for hue $h^* = lab^*h = 24/360 = 0.067$
 lab^*tch and lab^*nch

D65: hue R
LCH*Ma: 53 84 24
olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 119$

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
olv13* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv14* 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 -0.01
LAB*LAB0 95.41 0.0 0.0
LAB*TCHe 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 0.0 0.0 - (0.0)

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0 (1.0)
lab*tce 1.0 0.0 0.0 (1.0)
lab*nce 0.0 0.0 - (0.0)

standard and adapted CIELAB
LAB*LAB 53.21 0.04 0.0
LAB*LAB0 53.21 0.0 0.0
LAB*TCHe 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 (1.0)
lab*tce 0.5 0.0 - (0.0)
lab*nce 0.5 0.0 - (0.0)

relative Inform. Technology (IT)
olv13* 0.5 0.5 0.5 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv14* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
LAB*LAB 11.01 0.07 0.01
LAB*LAB0 11.01 0.0 0.0
LAB*TCHe 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 (1.0)
lab*tce 0.0 0.0 - (0.0)
lab*nce 0.0 0.0 - (0.0)

$n^* = 1.0$

relative Inform. Technology (IT)
olv13* 1.0 0.5 0.5 (1.0)
cmyn3* 0.0 0.5 0.5 (0.0)
olv14* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)

standard and adapted CIELAB
LAB*LAB 74.3 38.55 17.16
LAB*LAB0 74.3 38.55 17.16
LAB*TCHe 75.0 42.17 24.01

relative CIELAB lab*
lab*lab 0.75 0.457 0.203
lab*tch 0.75 0.5 0.067
lab*nch 0.0 0.5 0.067

relative Natural Colour (NC)
lab*lrj 0.75 0.5 0.067
lab*tce 0.75 0.5 0.997
lab*nce 0.0 0.5 0.998

relative Inform. Technology (IT)
olv13* 0.5 0.0 0.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv14* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)

standard and adapted CIELAB
LAB*LAB 32.1 38.58 17.17
LAB*LAB0 32.1 38.52 17.16
LAB*TCHe 32.01 42.17 24.01

relative CIELAB lab*
lab*lab 0.25 0.457 0.203
lab*tch 0.25 0.5 0.067
lab*nch 0.0 0.5 0.067

relative Natural Colour (NC)
lab*lrj 0.25 0.5 -0.009
lab*tce 0.25 0.5 0.998
lab*nce 0.0 0.5 0.998

relative Inform. Technology (IT)
olv13* 1.0 0.0 0.0 (1.0)
cmyn3* 0.0 1.0 0.0 (0.0)
olv14* 1.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB
LAB*LAB 53.2 77.09 34.32
LAB*LAB0 53.2 77.04 34.31
LAB*TCHe 50.0 94.34 24.01

relative CIELAB lab*
lab*lab 0.5 0.913 0.407
lab*tch 0.5 1.0 0.067
lab*nch 0.0 1.0 0.067

relative Natural Colour (NC)
lab*lrj 0.5 1.0 0.067
lab*tce 0.5 1.0 0.919
lab*nce 0.0 1.0 0.998

$n^* = 0.00$

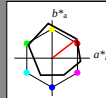
blackness n^*

chromaticness c^*

Output: Colorimetric Reflective System ORS18
for hue $h^* = lab^*h = 38/360 = 0.105$
 lab^*tch and lab^*nch

D65: hue O
LCH*Ma: 44 83 38
olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)
olv13* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv14* 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 -0.97 4.75
LAB*LAB0 95.41 0.0 0.0
LAB*TCHe 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 0.0 0.0 - (0.0)

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0 (1.0)
lab*tce 1.0 0.0 0.0 (1.0)
lab*nce 0.0 0.0 - (0.0)

standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LAB0 56.71 0.0 0.0
LAB*TCHe 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 (1.0)
lab*tce 0.5 0.0 - (0.0)
lab*nce 0.5 0.0 - (0.0)

relative Inform. Technology (IT)
olv13* 0.5 0.5 0.5 (1.0)
cmyn3* 0.0 0.5 0.5 (0.0)
olv14* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)

standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.46
LAB*LAB0 18.02 0.0 0.0
LAB*TCHe 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 (1.0)
lab*tce 0.0 0.0 - (0.0)
lab*nce 0.0 0.0 - (0.0)

$n^* = 1.0$

ORS18; adapted (a) CIELAB data
 $L^* = L_a^*$ a^* b^* C^*_{ab} h^*_{ab}

OmA	47.94	65.37	50.52	82.62	38
YmA	90.37	-10.27	91.77	92.34	96
LmA	50.9	-62.79	34.95	71.87	151
VmA	58.62	-30.35	-45.01	54.3	236
CmA	25.71	31.11	-44.42	54.24	305
MmA	48.13	75.27	-8.35	75.73	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	64.56	25
iCIE	81.26	-2.17	67.76	67.79	92
GcIE	52.23	-42.26	11.75	43.87	164
BcIE	30.57	1.15	-46.84	46.87	271

relative Inform. Technology (IT)
olv13* 1.0 0.5 0.5 (1.0)
cmyn3* 0.0 0.5 0.5 (0.0)
olv14* 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*LAB0 71.67 32.15 28.41
LAB*TCHe 75.0 41.3 37.7

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 0.191

relative Inform. Technology (IT)
olv13* 0.5 0.0 0.0 (1.0)
cmyn3* 0.0 0.5 0.5 (0.0)
olv14* 1.0 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*LAB0 32.98 32.68 25.25
LAB*TCHe 25.01 31.3 37.7

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 0.191

$n^* = 0.00$

blackness n^*

chromaticness c^*