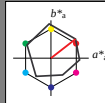


# Input: Colorimetric Offset Reflective System ORS18

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

D50: hue O  
LCH\*Ma: 48 82 38  
olv\*Ma: 1.0 0.0 0.0

triangle lightness  $t^*$



%Gamut  
 $u^*_{rel} = 94$   
%Regularity  
 $g^*_{H,rel} = 65$   
 $g^*_{C,rel} = 60$

## ORS18; adapted (a) CIELAB data

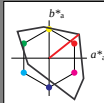
| $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---------------|---------|---------|--------------|--------------|
| OMa 47.94     | 65.05   | 50.54   | 82.38        | 38           |
| YMa 91.0      | -4.72   | 90.58   | 90.7         | 93           |
| LMa 50.9      | -63.18  | 34.98   | 72.22        | 151          |
| CMa 56.99     | -39.34  | -48.1   | 62.16        | 231          |
| VMa 25.72     | 30.89   | -44.4   | 54.09        | 305          |
| MMa 49.09     | 75.76   | -4.64   | 75.9         | 356          |
| NMa 18.99     | 0.0     | 0.0     | 0.0          | 0            |
| WMa 95.46     | 0.0     | 0.0     | 0.0          | 0            |
| RCIE 41.88    | 61.66   | 30.69   | 68.88        | 26           |
| JCIE 81.97    | 2.02    | 67.79   | 67.82        | 88           |
| GCIE 51.62    | -41.32  | 9.74    | 42.46        | 167          |
| BCIE 29.2     | -5.79   | -49.61  | 49.96        | 263          |

# Output: Colorimetric Television Luminous System TLS00

for hue  $h^* = lab^*h = 38/360 = 0.107$   
 $lab^*tch$  and  $lab^*nch$

D50: hue O  
LCH\*Ma: 54 101 38  
olv\*Ma: 1.0 0.0 0.0

triangle lightness  $t^*$



%Gamut  
 $u^*_{rel} = 156$   
%Regularity  
 $g^*_{H,rel} = 26$   
 $g^*_{C,rel} = 45$

## TLS00; adapted (a) CIELAB data

| $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---------------|---------|---------|--------------|--------------|
| OMa 54.19     | 79.36   | 63.0    | 101.33       | 38           |
| YMa 93.44     | -14.18  | 82.59   | 83.8         | 100          |
| LMa 82.82     | -83.73  | 70.41   | 109.41       | 140          |
| CMa 85.22     | -55.9   | -15.78  | 58.1         | 196          |
| VMa 25.61     | 67.05   | -108.87 | 127.87       | 302          |
| MMa 58.76     | 91.18   | -53.69  | 105.82       | 330          |
| NMa 0.01      | 0.0     | 0.0     | 0.0          | 0            |
| WMa 95.41     | 0.0     | 0.0     | 0.0          | 0            |
| RCIE 41.88    | 62.0    | 31.82   | 69.69        | 27           |
| JCIE 81.97    | 1.81    | 71.59   | 71.61        | 89           |
| GCIE 51.62    | -41.11  | 11.52   | 42.7         | 164          |
| BCIE 29.2     | -5.27   | -49.33  | 49.62        | 264          |

relative Inform. Technology (IT)  
olvi3\* 1.0 1.0 1.0 (1.0)  
cmyn3\* 0.0 0.0 0.0 (0.0)  
olvi4\* 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\*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)  
olvi3\* 0.5 0.5 0.5 (1.0)  
cmyn3\* 0.5 0.5 0.5 (0.0)  
olvi4\* 1.0 1.0 1.0 (0.5)  
cmyn4\* 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)  
olvi3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 1.0 1.0 (0.0)  
olvi4\* 1.0 1.0 1.0 (0.0)  
cmyn4\* 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 0.0 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)  
olvi3\* 1.0 0.5 0.5 (1.0)  
cmyn3\* 0.0 0.5 0.5 (0.0)  
olvi4\* 1.0 0.5 0.5 (1.0)  
cmyn4\* 0.0 0.5 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 74.79 39.67 31.49  
LAB\*Lab 74.79 39.67 31.49  
LAB\*TChe 75.0 50.65 38.44

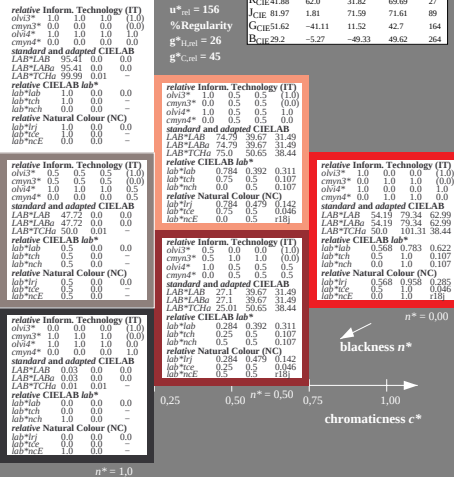
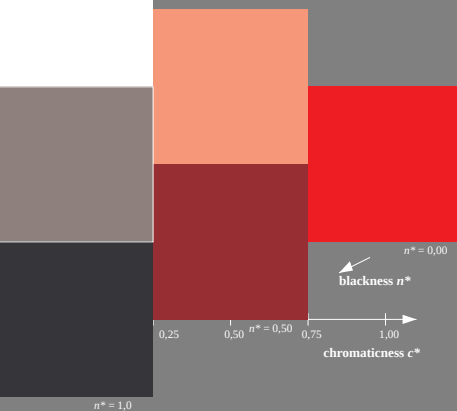
relative CIELAB lab\*  
lab\*lab 0.784 0.392 0.311  
lab\*tch 0.75 0.5 0.107  
lab\*nch 0.0 0.5 0.107  
relative Natural Colour (NC)  
lab\*lrj 0.784 0.479 0.142  
lab\*tce 0.75 0.5 0.046  
lab\*nce 0.0 0.5 [r18]

relative Inform. Technology (IT)  
olvi3\* 0.5 0.0 0.0 (1.0)  
cmyn3\* 0.5 1.0 1.0 (0.0)  
olvi4\* 1.0 0.5 0.5 0.5  
cmyn4\* 0.0 0.5 0.5 0.5  
standard and adapted CIELAB  
LAB\*LAB 27.1 39.67 31.49  
LAB\*Lab 27.1 39.67 31.49  
LAB\*TChe 25.01 50.65 38.44

relative CIELAB lab\*  
lab\*lab 0.284 0.392 0.311  
lab\*tch 0.25 0.5 0.107  
lab\*nch 0.0 0.5 0.107  
relative Natural Colour (NC)  
lab\*lrj 0.284 0.479 0.142  
lab\*tce 0.25 0.5 0.046  
lab\*nce 0.5 0.5 [r18]

relative Inform. Technology (IT)  
olvi3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 1.0 1.0 (0.0)  
olvi4\* 1.0 0.0 0.0 1.0  
cmyn4\* 0.0 1.0 1.0 0.0  
standard and adapted CIELAB  
LAB\*LAB 54.19 79.34 62.99  
LAB\*Lab 54.19 79.34 62.99  
LAB\*TChe 50.0 101.33 38.44

relative CIELAB lab\*  
lab\*lab 0.568 0.783 0.622  
lab\*tch 0.5 1.0 0.107  
lab\*nch 0.0 1.0 0.107  
relative Natural Colour (NC)  
lab\*lrj 0.568 0.958 0.285  
lab\*tce 0.5 1.0 0.046  
lab\*nce 0.0 1.0 [r18]



BAM-test chart QE00; Colorimetric systems ORS18 & TLS00  
D50: 3 step colour scales and coordinate data for 10 hues

input: cmy0\* setcmkcolor  
output: no change compared to input