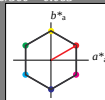


# Input: Colorimetric Standard Reflective System SRS18

for hue  $h^* = lab^*h = 30/360 = 0.083$   
 $lab^*tch$  and  $lab^*nch$

D65: hue O  
 LCH\*Ma: 57 77 30  
 olv\*Ma: 1.0 0.0 0.0

triangle lightness  $t^*$



%Gamut  
 $u^*_{rel} = 100$   
 %Regularity  
 $g^*_{H,rel} = 100$   
 $g^*_{C,rel} = 100$

## SRS18; adapted (a) CIELAB data

| $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---------------|---------|---------|--------------|--------------|
| QMa 56.71     | 67.03   | 38.7    | 77.4         | 30           |
| YMa 56.71     | 0.0     | 77.4    | 77.4         | 90           |
| LMa 56.71     | -67.02  | 38.7    | 77.4         | 150          |
| CMa 56.71     | -67.02  | -38.69  | 77.4         | 210          |
| VMa 56.71     | 0.0     | -77.39  | 77.4         | 270          |
| MMa 56.71     | 67.03   | -38.69  | 77.4         | 330          |
| NMa 18.01     | 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                      | 95.41 | -0.98 | 4.75 |  |
| 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   | -    |  |

| standard and adapted CIELAB  |       |       |      |  |
|------------------------------|-------|-------|------|--|
| LAB*LAB                      | 56.71 | -0.24 | 2.14 |  |
| LAB*Lab                      | 56.71 | 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*                           | 0.5   | 0.5  | 0.5 | (1.0) |
| cmyn3*                           | 0.0   | 0.0  | 0.0 | (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                          | 56.71 | 0.0  | 0.0 |       |
| LAB*Lab                          | 56.71 | 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                          | 18.02 | 0.5  | -0.47 |       |
| LAB*Lab                          | 18.02 | 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*                           | 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                          | 18.02 | 0.5  | -0.47 |       |
| LAB*Lab                          | 18.02 | 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  | -     |       |

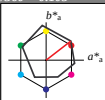
| relative Inform. Technology (IT) |       |      |       |       |
|----------------------------------|-------|------|-------|-------|
| olvi3*                           | 0.0   | 0.0  | 0.0   | (1.0) |
| cmyn3*                           | 1.0   | 1.0  | 1.0   | (0.0) |
| olvi4*                           | 1.0   | 1.0  | 1.0   | 0.0   |
| cmyn4*                           | 0.0   | 0.0  | 0.0   | 1.0   |
| standard and adapted CIELAB      |       |      |       |       |
| LAB*LAB                          | 18.02 | 0.5  | -0.47 |       |
| LAB*Lab                          | 18.02 | 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  | -     |       |

# Output: Colorimetric Offset Reflective System ORS18

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

D65: 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      | -62.03  | 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          |

| standard and adapted CIELAB  |       |       |       |  |
|------------------------------|-------|-------|-------|--|
| LAB*LAB                      | 71.67 | 32.15 | 28.41 |  |
| LAB*Lab                      | 71.67 | 32.15 | 28.41 |  |
| LAB*TChe                     | 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   | 0.191 |  |

| relative Inform. Technology (IT) |       |       |       |       |
|----------------------------------|-------|-------|-------|-------|
| olvi3*                           | 0.0   | 0.5   | 0.5   | (1.0) |
| cmyn3*                           | 0.0   | 0.5   | 0.5   | (0.0) |
| olvi4*                           | 1.0   | 0.5   | 0.5   | 0.0   |
| cmyn4*                           | 0.0   | 0.5   | 0.5   | 0.0   |
| standard and adapted CIELAB      |       |       |       |       |
| LAB*LAB                          | 47.94 | 65.3  | 52.06 |       |
| LAB*Lab                          | 47.94 | 65.37 | 50.51 |       |
| LAB*TChe                         | 50.0  | 82.61 | 37.69 |       |
| relative CIELAB lab*             |       |       |       |       |
| lab*lab                          | 0.387 | 0.791 | 0.611 |       |
| lab*tch                          | 0.387 | 0.954 | 0.299 |       |
| lab*nch                          | 0.0   | 1.0   | 0.105 |       |
| relative Natural Colour (NC)     |       |       |       |       |
| lab*lrj                          | 0.387 | 0.954 | 0.299 |       |
| lab*tce                          | 0.387 | 1.0   | 0.048 |       |
| lab*nce                          | 0.0   | 1.0   | 0.191 |       |

| 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   | 0.0   |
| cmyn4*                           | 0.0   | 0.5   | 0.5   | 0.0   |
| standard and adapted CIELAB      |       |       |       |       |
| LAB*LAB                          | 32.98 | 32.9  | 25.8  |       |
| LAB*Lab                          | 32.98 | 32.69 | 25.25 |       |
| LAB*TChe                         | 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   | 0.191 |       |

| 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                          | 18.02 | 0.5  | -0.47 |       |
| LAB*Lab                          | 18.02 | 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*                           | 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                          | 18.02 | 0.5  | -0.47 |       |
| LAB*Lab                          | 18.02 | 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*                           | 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                          | 18.02 | 0.5  | -0.47 |       |
| LAB*Lab                          | 18.02 | 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  | -     |       |

