



output:  $oly^* setrabcolor / w^* setgrav$

# Input: Colorimetric Reflective System NCS11

for hue  $h^* = lab^*h = 91/360 = 0.252$

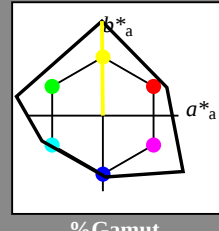
$lab^*tch$  and  $lab^*nch$

D65: hue J

LCH\*Ma: 91 125 91

rgb\*Ma: 1.0 1.0 0.0

triangle lightness  $t^*$



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 -0.01  
 LAB\*LABa 95.41 0.0 0.0  
 LAB\*TCHa 99.99 0.01 0.0

relative CIELAB lab\*  
 lab\*lab 1.0 0.0 0.0  
 lab\*tch 1.0 0.0 0.0  
 lab\*nch 0.0 0.0 0.0  
 relative Natural Colour (NC)  
 lab\*trj 1.0 0.0 0.0  
 lab\*tce 1.0 0.0 0.0  
 lab\*nce 0.0 0.0 0.0

relative Inform. Technology (IT)  
 olv3\* 0.75 0.75 0.75 (1.0)  
 cmyn3\* 0.25 0.25 0.25 (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 74.31 0.02 0.0  
 LAB\*LABa 74.31 0.02 0.0  
 LAB\*TCHa 75.00 0.01 0.0

relative CIELAB lab\*  
 lab\*lab 0.988 -0.002 0.25  
 lab\*tch 0.875 0.25 0.252  
 lab\*nch 0.0 0.25 0.252  
 relative Natural Colour (NC)  
 lab\*trj 0.988 0.01 0.25  
 lab\*tce 0.875 0.25 0.243  
 lab\*nce 0.0 0.25 0.243

relative Inform. Technology (IT)  
 olv3\* 0.75 0.75 0.75 (1.0)  
 cmyn3\* 0.25 0.25 0.25 (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 74.31 0.02 0.0  
 LAB\*LABa 74.31 0.02 0.0  
 LAB\*TCHa 75.00 0.01 0.0

relative CIELAB lab\*  
 lab\*lab 0.988 -0.002 0.25  
 lab\*tch 0.875 0.25 0.252  
 lab\*nch 0.0 0.25 0.252  
 relative Natural Colour (NC)  
 lab\*trj 0.988 0.01 0.25  
 lab\*tce 0.875 0.25 0.243  
 lab\*nce 0.0 0.25 0.243

relative Inform. Technology (IT)  
 olv3\* 0.5 0.5 0.5 (0.0)  
 cmyn3\* 0.5 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 53.21 0.04 0.0  
 LAB\*LABa 53.21 0.04 0.0  
 LAB\*TCHa 50.00 0.01 0.0

relative CIELAB lab\*  
 lab\*lab 0.738 -0.002 0.25  
 lab\*tch 0.625 0.25 0.252  
 lab\*nch 0.0 0.25 0.252  
 relative Natural Colour (NC)  
 lab\*trj 0.738 0.01 0.25  
 lab\*tce 0.625 0.25 0.243  
 lab\*nce 0.0 0.25 0.243

relative Inform. Technology (IT)  
 olv3\* 0.25 0.25 0.25 (0.0)  
 cmyn3\* 0.75 0.75 0.75 (1.0)  
 olv4\* 1.0 1.0 1.0 (1.0)  
 cmyn4\* 0.0 0.0 0.0 (0.0)  
 standard and adapted CIELAB  
 LAB\*LAB 32.11 0.07 0.01  
 LAB\*LABa 32.11 0.07 0.01  
 LAB\*TCHa 25.00 0.01 0.0

relative CIELAB lab\*  
 lab\*lab 0.488 -0.007 0.75  
 lab\*tch 0.375 0.25 0.252  
 lab\*nch 0.0 0.25 0.252  
 relative Natural Colour (NC)  
 lab\*trj 0.488 0.01 0.25  
 lab\*tce 0.375 0.25 0.243  
 lab\*nce 0.0 0.25 0.243

relative Inform. Technology (IT)  
 olv3\* 0.25 0.25 0.25 (0.0)  
 cmyn3\* 0.75 0.75 0.75 (1.0)  
 olv4\* 1.0 1.0 1.0 (1.0)  
 cmyn4\* 0.0 0.0 0.0 (0.0)  
 standard and adapted CIELAB  
 LAB\*LAB 32.11 0.07 0.01  
 LAB\*LABa 32.11 0.07 0.01  
 LAB\*TCHa 25.00 0.01 0.0

relative CIELAB lab\*  
 lab\*lab 0.488 -0.007 0.75  
 lab\*tch 0.375 0.25 0.252  
 lab\*nch 0.0 0.25 0.252  
 relative Natural Colour (NC)  
 lab\*trj 0.488 0.01 0.25  
 lab\*tce 0.375 0.25 0.243  
 lab\*nce 0.0 0.25 0.243

relative Inform. Technology (IT)  
 olv3\* 0.25 0.25 0.25 (0.0)  
 cmyn3\* 0.75 0.75 0.75 (1.0)  
 olv4\* 1.0 1.0 1.0 (1.0)  
 cmyn4\* 0.0 0.0 0.0 (0.0)  
 standard and adapted CIELAB  
 LAB\*LAB 32.11 0.07 0.01  
 LAB\*LABa 32.11 0.07 0.01  
 LAB\*TCHa 25.00 0.01 0.0

relative CIELAB lab\*  
 lab\*lab 0.488 -0.007 0.75  
 lab\*tch 0.375 0.25 0.252  
 lab\*nch 0.0 0.25 0.252  
 relative Natural Colour (NC)  
 lab\*trj 0.488 0.01 0.25  
 lab\*tce 0.375 0.25 0.243  
 lab\*nce 0.0 0.25 0.243

relative Inform. Technology (IT)  
 olv3\* 0.0 0.0 0.0 (0.0)  
 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 (0.0)  
 standard and adapted CIELAB  
 LAB\*LAB 11.01 0.07 0.01  
 LAB\*LABa 11.01 0.07 0.01  
 LAB\*TCHa 0.01 0.01 0.0

relative CIELAB lab\*  
 lab\*lab 0.238 -0.002 0.25  
 lab\*tch 0.125 0.25 0.252  
 lab\*nch 0.0 0.25 0.252  
 relative Natural Colour (NC)  
 lab\*trj 0.238 0.01 0.25  
 lab\*tce 0.125 0.25 0.243  
 lab\*nce 0.0 0.25 0.243

relative Inform. Technology (IT)  
 olv3\* 0.0 0.0 0.0 (0.0)  
 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 (0.0)  
 standard and adapted CIELAB  
 LAB\*LAB 11.01 0.07 0.01  
 LAB\*LABa 11.01 0.07 0.01  
 LAB\*TCHa 0.01 0.01 0.0

relative CIELAB lab\*  
 lab\*lab 0.238 -0.002 0.25  
 lab\*tch 0.125 0.25 0.252  
 lab\*nch 0.0 0.25 0.252  
 relative Natural Colour (NC)  
 lab\*trj 0.238 0.01 0.25  
 lab\*tce 0.125 0.25 0.243  
 lab\*nce 0.0 0.25 0.243

relative Inform. Technology (IT)  
 olv3\* 0.0 0.0 0.0 (0.0)  
 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 (0.0)  
 standard and adapted CIELAB  
 LAB\*LAB 11.01 0.07 0.01  
 LAB\*LABa 11.01 0.07 0.01  
 LAB\*TCHa 0.01 0.01 0.0

relative CIELAB lab\*  
 lab\*lab 0.238 -0.002 0.25  
 lab\*tch 0.125 0.25 0.252  
 lab\*nch 0.0 0.25 0.252  
 relative Natural Colour (NC)  
 lab\*trj 0.238 0.01 0.25  
 lab\*tce 0.125 0.25 0.243  
 lab\*nce 0.0 0.25 0.243

## NCS11; adapted (a) CIELAB data

|        | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------|-------------|---------|---------|--------------|--------------|
| RMa    | 47.15       | 84.64   | 37.25   | 92.48        | 24           |
| JMa    | 91.37       | -1.27   | 125.03  | 125.03       | 91           |
| GMa    | 63.07       | -114.28 | 25.35   | 117.06       | 167          |
| G50BMa | 59.47       | -80.6   | -33.45  | 87.28        | 203          |
| BMa    | 49.01       | 3.65    | -81.19  | 81.28        | 273          |
| B50RMa | 44.06       | 106.09  | -73.93  | 129.32       | 325          |
| NMa    | 10.99       | 0.0     | 0.0     | 0.0          | 0            |
| WMa    | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| RCIE   | 39.92       | 58.69   | 27.98   | 65.01        | 25           |
| JCIE   | 81.26       | -2.9    | 71.56   | 71.62        | 92           |
| GCIE   | 52.23       | -42.45  | 13.59   | 44.59        | 162          |
| BCIE   | 30.57       | 1.35    | -46.48  | 46.51        | 272          |

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

%Gamut

$u^*_{rel} = 149$

blackness  $n^*$

chromaticness  $c^*$

triangle lightness  $t^*$

triangle lightness  $t^*$

triangle lightness  $t^*$

triangle lightness  $t^*$

triangle lightness  $t^*$

triangle lightness  $t^*$

triangle lightness  $t^*$

triangle lightness  $t^*$

triangle lightness  $t^*$

triangle lightness  $t^*$

triangle lightness  $t^*$

triangle lightness  $t^*$

triangle lightness  $t^*$

triangle lightness  $t^*$

triangle lightness  $t^*$

triangle lightness  $t^*$

triangle lightness  $t^*$

triangle lightness  $t^*$

triangle lightness  $t^*$

triangle lightness  $t^*$

triangle lightness  $t^*$

triangle lightness  $t^*$

triangle lightness  $t^*$

triangle lightness  $t^*$

triangle lightness  $t^*$

triangle lightness  $t^*$

# Output: Colorimetric Reflective System NCS11

for hue  $h^* = lab^*h = 91/360 = 0.252$

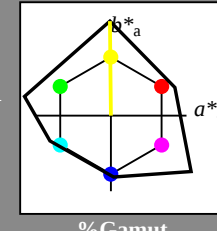
$lab^*tch$  and  $lab^*nch$

D65: hue J

LCH\*Ma: 91 125 91

rgb\*Ma: 1.0 1.0 0.0

triangle lightness  $t^*$



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 -0.01  
 LAB\*LABa 95.41 0.0 0.0  
 LAB\*TCHa 99.99 0.01 0.0

relative CIELAB lab\*  
 lab\*lab 1.0 0.0 0.0  
 lab\*tch 1.0 0.0 0.0  
 lab\*nch 0.0 0.0 0.0  
 relative Natural Colour (NC)  
 lab\*trj 1.0 0.0 0.0  
 lab\*tce 1.0 0.0 0.0  
 lab\*nce 0.0 0.0 0.0

relative Inform. Technology (IT)  
 olv3\* 0.75 0.75 0.75 (1.0)  
 cmyn3\* 0.25 0.25 0.25 (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 74.31 0.02 0.0  
 LAB\*LABa 74.31 0.02 0.0  
 LAB\*TCHa 75.00 0.01 0.0

relative CIELAB lab\*  
 lab\*lab 0.988 -0.002 0.25  
 lab\*tch 0.875 0.25 0.252  
 lab\*nch 0.0 0.25 0.252  
 relative Natural Colour (NC)  
 lab\*trj 0.988 0.01 0.25  
 lab\*tce 0.875 0.25 0.243  
 lab\*nce 0.0 0.25 0.243

relative Inform. Technology (IT)  
 olv3\* 0.75 0.75 0.75 (1.0)  
 cmyn3\* 0.25 0.25 0.25 (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 74.31 0.02 0.0  
 LAB\*LABa 74.31 0.02 0.0  
 LAB\*TCHa 75.00 0.01 0.0

relative CIELAB lab\*  
 lab\*lab 0.988 -0.002 0.25  
 lab\*tch 0.875 0.25 0.252  
 lab\*nch 0.0 0.25 0.252  
 relative Natural Colour (NC)  
 lab\*trj 0.988 0.01 0.25  
 lab\*tce 0.875 0.25 0.243  
 lab\*nce 0.0 0.25 0.243

relative Inform. Technology (IT)  
 olv3\* 0.5 0.5 0.5 (0.0)  
 cmyn3\* 0.5 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 53.21 0.04 0.0  
 LAB\*LABa 53.21 0.04 0.0  
 LAB\*TCHa 50.00 0.01 0.0

relative CIELAB lab\*  
 lab\*lab 0.738 -0.002 0.25  
 lab\*tch 0.625 0.25 0.252  
 lab\*nch 0.0 0.25 0.252  
 relative Natural Colour (NC)  
 lab\*trj 0.738 0.01 0.25  
 lab\*tce 0.625 0.25 0.243  
 lab\*nce 0.0 0.25 0.243

relative Inform. Technology (IT)  
 olv3\* 0.25 0.25 0.25 (0.0)  
 cmyn3\* 0.75 0.75 0.75 (1.0)  
 olv4\* 1.0 1.0 1.0 (1.0)  
 cmyn4\* 0.0 0.0 0.0 (0.0)  
 standard and adapted CIELAB  
 LAB\*LAB 32.11 0.07 0.01  
 LAB\*LABa 32.11 0.07 0.01  
 LAB\*TCHa 25.00 0.01 0.0

relative CIELAB lab\*  
 lab\*lab 0.488 -0.007 0.75  
 lab\*tch 0.375 0.25 0.252  
 lab\*nch 0.0 0.25 0.252  
 relative Natural Colour (NC)  
 lab\*trj 0.488 0.01 0.25  
 lab\*tce 0.375 0.25 0.243  
 lab\*nce 0.0 0.25 0.243

relative Inform. Technology (IT)  
 olv3\* 0.25 0.25 0.25 (0.0)  
 cmyn3\* 0.75 0.75 0.75 (1.0)  
 olv4\* 1.0 1.0 1.0 (1.0)  
 cmyn4\* 0.0 0.0 0.0 (0.0)  
 standard and adapted CIELAB  
 LAB\*LAB 32.11 0.07 0.01  
 LAB\*LABa 32.11 0.07 0.01  
 LAB\*TCHa 25.00 0.01 0.0

relative CIELAB lab\*  
 lab\*lab 0.488 -0.007 0.75  
 lab\*tch 0.375 0.25 0.252  
 lab\*nch 0.0 0.25 0.252  
 relative Natural Colour (NC)  
 lab\*trj 0.488 0.01 0.25  
 lab\*tce 0.375 0.25 0.243  
 lab\*nce 0.0 0.25 0.243

relative Inform. Technology (IT)  
 olv3\* 0.25 0.25 0.25 (0.0)  
 cmyn3\* 0.75 0.75 0.75 (1.0)  
 olv4\* 1.0 1.0 1.0 (1.0)  
 cmyn4\* 0.0 0.0 0.0 (0.0)  
 standard and adapted CIELAB  
 LAB\*LAB 32.11 0.07 0.01  
 LAB\*LABa 32.11 0.07 0.01  
 LAB\*TCHa 25.00 0.01 0.0

relative CIELAB lab\*  
 lab\*lab 0.488 -0.007 0.75  
 lab\*tch 0.375 0.25 0.252  
 lab\*nch 0.0 0.25 0.252  
 relative Natural Colour (NC)  
 lab\*trj 0.488 0.01 0.25  
 lab\*tce 0.375 0.25 0.243  
 lab\*nce 0.0 0.25 0.243

relative Inform. Technology (IT)  
 olv3\* 0.0 0.0 0.0 (0.0)  
 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 (0.0)  
 standard and adapted CIELAB  
 LAB\*LAB 11.01 0.07 0.01  
 LAB\*LABa 11.01 0.07 0.01  
 LAB\*TCHa 0.01 0.01 0.0

relative CIELAB lab\*  
 lab\*lab 0.238 -0.002 0.25  
 lab\*tch 0.125 0.25 0.252  
 lab\*nch 0.0 0.25 0.252  
 relative Natural Colour (NC)  
 lab\*trj 0.238 0.01 0.25  
 lab\*tce 0.125 0.25 0.243  
 lab\*nce 0.0 0.25 0.243

relative Inform. Technology (IT)  
 olv3\* 0.0 0.0 0.0 (0.0)  
 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 (0.0)  
 standard and adapted CIELAB  
 LAB\*LAB 11.01 0.07 0.01  
 LAB\*LABa 11.01 0.07 0.01  
 LAB\*TCHa 0.01 0.01 0.0

relative CIELAB lab\*  
 lab\*lab 0.238 -0.002 0.25  
 lab\*tch 0.125 0.25 0.252  
 lab\*nch 0.0 0.25 0.252  
 relative Natural Colour (NC)  
 lab\*trj 0.238 0.01 0.25  
 lab\*tce 0.125 0.25 0.243  
 lab\*nce 0.0 0.25 0.243

relative Inform. Technology (IT)  
 olv3\* 0.0 0.0 0.0 (0.0)  
 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 (0.0)  
 standard and adapted CIELAB  
 LAB\*LAB 11.01 0.07 0.01  
 LAB\*LABa 11.01 0.07 0.01  
 LAB\*TCHa 0.01 0.01 0.0

relative CIELAB lab\*  
 lab\*lab 0.238 -0.002 0.25  
 lab\*tch 0.125 0.25 0.252  
 lab\*nch 0.0 0.25 0.252  
 relative Natural Colour (NC)  
 lab\*trj 0.238 0.01 0.25  
 lab\*tce 0.125 0.25 0.243  
 lab\*nce 0.0 0.25 0.243

relative Inform. Technology (IT)  
 olv3\* 0.0 0.0 0.0 (0.0)  
 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 (0.0)  
 standard and adapted CIELAB  
 LAB\*LAB 11.01 0.07 0.01  
 LAB\*LABa 11.01 0.07 0.01  
 LAB\*TCHa 0.01 0.01 0.0













### Input: Colorimetric Reflective System NCS11

for hue  $h^* = lab^*h = 162/360 = 0.451$

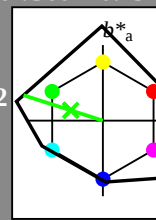
$lab^*tch$  and  $lab^*nch$

D65: hue G

LCH\*Ma: 65 110 162

rgb\*Ma: 0.08 1.0 0.0

triangle lightness  $t^*$



### NCS11; adapted (a) CIELAB data

|                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------------------|-------------|---------|---------|--------------|--------------|
| RMa                | 47.15       | 84.64   | 37.25   | 92.48        | 24           |
| JMa                | 91.37       | -1.27   | 125.03  | 125.03       | 91           |
| GMa                | 63.07       | -114.28 | 25.35   | 117.06       | 167          |
| G50B <sub>Ma</sub> | 59.47       | -80.6   | -33.45  | 87.28        | 203          |
| B <sub>Ma</sub>    | 49.01       | 3.65    | -81.19  | 81.28        | 273          |
| B50R <sub>Ma</sub> | 44.06       | 106.09  | -73.93  | 129.32       | 325          |
| N <sub>Ma</sub>    | 10.99       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>    | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| RCIE               | 39.92       | 58.69   | 27.98   | 65.01        | 25           |
| JCIE               | 81.26       | -2.9    | 71.56   | 71.62        | 92           |
| GCIE               | 52.23       | -42.45  | 13.59   | 44.59        | 162          |
| BCIE               | 30.57       | 1.35    | -46.48  | 46.51        | 272          |

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

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 -0.01  
LAB\*LABa 95.41 0.0 0.0  
LAB\*TC<sub>Ha</sub> 99.99 0.01 0.0

relative CIELAB lab\*  
lab\*lab 1.0 0.0 0.0  
lab\*tch 1.0 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 1.0 0.0 0.0  
lab\*tce 1.0 0.0 0.0  
lab\*nce 0.0 0.0 0.0

relative Inform. Technology (IT)  
olvi3\* 0.75 0.75 0.75 (1.0)  
cmyn3\* 0.25 0.25 0.25 (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 74.31 0.02 0.0  
LAB\*LABa 74.31 0.02 0.0  
LAB\*TC<sub>Ha</sub> 75.0 0.01 -

relative CIELAB lab\*  
lab\*lab 0.75 0.0 0.0  
lab\*tch 0.75 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.75 0.0 0.0  
lab\*tce 0.75 0.0 0.0  
lab\*nce 0.0 0.0 0.0

relative Inform. Technology (IT)  
olvi3\* 0.5 0.5 0.5 (0.0)  
cmyn3\* 0.5 0.5 0.5 (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 53.21 0.04 0.0  
LAB\*LABa 53.21 0.04 0.0  
LAB\*TC<sub>Ha</sub> 50.0 0.01 -

relative CIELAB lab\*  
lab\*lab 0.5 0.0 0.0  
lab\*tch 0.5 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.5 0.0 0.0  
lab\*tce 0.5 0.0 0.0  
lab\*nce 0.0 0.0 0.0

relative Inform. Technology (IT)  
olvi3\* 0.25 0.25 0.25 (0.0)  
cmyn3\* 0.75 0.75 0.75 (1.0)  
olvi4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 32.11 0.07 0.01  
LAB\*LABa 32.11 0.07 0.01  
LAB\*TC<sub>Ha</sub> 25.0 0.01 -

relative CIELAB lab\*  
lab\*lab 0.25 0.0 0.0  
lab\*tch 0.25 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.25 0.0 0.0  
lab\*tce 0.25 0.0 0.0  
lab\*nce 0.0 0.0 0.0

relative Inform. Technology (IT)  
olvi3\* 0.0 0.0 0.0 (0.0)  
cmyn3\* 1.0 1.0 1.0 (1.0)  
olvi4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 11.01 0.07 0.01  
LAB\*LABa 11.01 0.07 0.01  
LAB\*TC<sub>Ha</sub> 0.01 0.01 -

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*tch 0.0 0.0 0.0  
lab\*nch 1.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.0 0.0 0.0  
lab\*tce 0.0 0.0 0.0  
lab\*nce 1.0 0.0 0.0

relative Inform. Technology (IT)  
olvi3\* 0.0 0.0 0.0 (0.0)  
cmyn3\* 1.0 1.0 1.0 (1.0)  
olvi4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 11.01 0.07 0.01  
LAB\*LABa 11.01 0.07 0.01  
LAB\*TC<sub>Ha</sub> 0.01 0.01 -

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*tch 0.0 0.0 0.0  
lab\*nch 1.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.0 0.0 0.0  
lab\*tce 0.0 0.0 0.0  
lab\*nce 1.0 0.0 0.0

relative Inform. Technology (IT)  
olvi3\* 0.771 1.0 0.75 (1.0)  
cmyn3\* 0.229 0.0 0.25 (0.0)  
olvi4\* 0.771 1.0 0.75 (1.0)  
cmyn4\* 0.229 0.0 0.25 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 87.9 -26.2 8.39  
LAB\*LABa 87.9 -26.2 8.39  
LAB\*TC<sub>Ha</sub> 87.5 27.54 162.25

relative CIELAB lab\*  
lab\*lab 0.911 -0.237 0.076  
lab\*tch 0.875 0.25 0.451  
lab\*nch 0.0 0.25 0.451  
relative Natural Colour (NC)  
lab\*trj 0.911 -0.249 0.0  
lab\*tce 0.875 0.25 0.5  
lab\*nce 0.0 0.25 0.5

relative Inform. Technology (IT)  
olvi3\* 0.771 0.5 0.75 (1.0)  
cmyn3\* 0.229 0.0 0.25 (0.0)  
olvi4\* 0.771 1.0 0.75 (1.0)  
cmyn4\* 0.229 0.0 0.25 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 66.81 -26.19 8.4  
LAB\*LABa 66.81 -26.19 8.4  
LAB\*TC<sub>Ha</sub> 62.5 27.55 162.25

relative CIELAB lab\*  
lab\*lab 0.661 -0.237 0.076  
lab\*tch 0.625 0.25 0.451  
lab\*nch 0.0 0.25 0.451  
relative Natural Colour (NC)  
lab\*trj 0.661 -0.249 0.0  
lab\*tce 0.625 0.25 0.5  
lab\*nce 0.0 0.25 0.5

relative Inform. Technology (IT)  
olvi3\* 0.521 0.75 0.5 (1.0)  
cmyn3\* 0.479 0.25 0.75 (0.0)  
olvi4\* 0.771 1.0 0.75 (1.0)  
cmyn4\* 0.229 0.0 0.25 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 59.31 -52.46 16.79  
LAB\*LABa 59.31 -52.46 16.79  
LAB\*TC<sub>Ha</sub> 50.0 55.09 162.25

relative CIELAB lab\*  
lab\*lab 0.512 0.733 0.229  
lab\*tch 0.483 0.75 0.451  
lab\*nch 0.0 0.75 0.451  
relative Natural Colour (NC)  
lab\*trj 0.512 -0.499 0.0  
lab\*tce 0.483 0.75 0.5  
lab\*nce 0.0 0.75 0.5

relative Inform. Technology (IT)  
olvi3\* 0.291 0.75 0.25 (1.0)  
cmyn3\* 0.709 0.25 0.75 (0.0)  
olvi4\* 0.771 1.0 0.75 (1.0)  
cmyn4\* 0.229 0.0 0.25 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 45.7 -26.18 8.4  
LAB\*LABa 45.7 -26.18 8.4  
LAB\*TC<sub>Ha</sub> 37.5 27.55 162.25

relative CIELAB lab\*  
lab\*lab 0.411 -0.237 0.076  
lab\*tch 0.375 0.25 0.451  
lab\*nch 0.0 0.25 0.451  
relative Natural Colour (NC)  
lab\*trj 0.411 -0.249 0.0  
lab\*tce 0.375 0.25 0.5  
lab\*nce 0.0 0.25 0.5

relative Inform. Technology (IT)  
olvi3\* 0.021 0.0 0.0 (1.0)  
cmyn3\* 0.979 0.75 1.0 (0.0)  
olvi4\* 0.771 1.0 0.75 (1.0)  
cmyn4\* 0.229 0.0 0.25 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 24.6 -26.18 8.4  
LAB\*LABa 24.6 -26.18 8.4  
LAB\*TC<sub>Ha</sub> 12.5 27.54 162.28

relative CIELAB lab\*  
lab\*lab 0.161 -0.237 0.076  
lab\*tch 0.125 0.25 0.451  
lab\*nch 0.0 0.25 0.451  
relative Natural Colour (NC)  
lab\*trj 0.161 -0.249 0.0  
lab\*tce 0.125 0.25 0.5  
lab\*nce 0.0 0.25 0.5

relative Inform. Technology (IT)  
olvi3\* 0.0 0.0 0.0 (0.0)  
cmyn3\* 1.0 1.0 1.0 (1.0)  
olvi4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 11.01 0.07 0.01  
LAB\*LABa 11.01 0.07 0.01  
LAB\*TC<sub>Ha</sub> 0.01 0.01 -

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*tch 0.0 0.0 0.0  
lab\*nch 1.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.0 0.0 0.0  
lab\*tce 0.0 0.0 0.0  
lab\*nce 1.0 0.0 0.0

relative Inform. Technology (IT)  
olvi3\* 0.541 1.0 0.5 (1.0)  
cmyn3\* 0.459 0.0 0.5 (0.0)  
olvi4\* 0.541 1.0 0.5 (1.0)  
cmyn4\* 0.459 0.0 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 80.4 -52.45 16.79  
LAB\*LABa 80.4 -52.45 16.79  
LAB\*TC<sub>Ha</sub> 75.0 55.08 162.25

relative CIELAB lab\*  
lab\*lab 0.822 -0.475 0.152  
lab\*tch 0.75 0.5 0.451  
lab\*nch 0.0 0.5 0.451  
relative Natural Colour (NC)  
lab\*trj 0.822 -0.499 0.0  
lab\*tce 0.75 0.5 0.5  
lab\*nce 0.0 0.5 0.5

relative Inform. Technology (IT)  
olvi3\* 0.312 1.0 0.25 (1.0)  
cmyn3\* 0.688 0.0 0.75 (0.0)  
olvi4\* 0.312 1.0 0.25 (1.0)  
cmyn4\* 0.688 0.0 0.75 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 72.9 -78.65 25.19  
LAB\*LABa 72.9 -78.65 25.19  
LAB\*TC<sub>Ha</sub> 62.5 82.63 162.25

relative CIELAB lab\*  
lab\*lab 0.733 -0.713 0.229  
lab\*tch 0.625 0.75 0.451  
lab\*nch 0.0 0.75 0.451  
relative Natural Colour (NC)  
lab\*trj 0.733 -0.749 0.0  
lab\*tce 0.625 0.75 0.5  
lab\*nce 0.0 0.75 0.5

relative Inform. Technology (IT)  
olvi3\* 0.062 0.75 0.0 (1.0)  
cmyn3\* 0.938 0.25 1.0 (0.0)  
olvi4\* 0.312 1.0 0.25 (1.0)  
cmyn4\* 0.688 0.0 0.75 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 65.41 -104.893 3.58  
LAB\*LABa 65.41 -104.893 3.58  
LAB\*TC<sub>Ha</sub> 50.0 110.17 162.25

relative CIELAB lab\*  
lab\*lab 0.645 -0.951 0.305  
lab\*tch 0.5 1.0 0.451  
lab\*nch 0.0 1.0 0.451  
relative Natural Colour (NC)  
lab\*trj 0.645 -0.999 0.0  
lab\*tce 0.5 1.0 0.5  
lab\*nce 0.0 1.0 0.5

relative Inform. Technology (IT)  
olvi3\* 0.083 1.0 0.0 (1.0)  
cmyn3\* 0.917 0.0 1.0 (0.0)  
olvi4\* 0.083 1.0 0.0 (1.0)  
cmyn4\* 0.917 0.0 1.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 65.41 -104.893 3.58  
LAB\*LABa 65.41 -104.893 3.58  
LAB\*TC<sub>Ha</sub> 50.0 110.17 162.25

relative CIELAB lab\*  
lab\*lab 0.733 -0.713 0.229  
lab\*tch 0.625 0.75 0.451  
lab\*nch 0.0 0.75 0.451  
relative Natural Colour (NC)  
lab\*trj 0.733 -0.749 0.0  
lab\*tce 0.625 0.75 0.5  
lab\*nce 0.0 0.75 0.5

relative Inform. Technology (IT)  
olvi3\* 0.083 1.0 0.0 (1.0)  
cmyn3\* 0.917 0.0 1.0 (0.0)  
olvi4\* 0.083 1.0 0.0 (1.0)  
cmyn4\* 0.917 0.0 1.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 65.41 -104.893 3.58  
LAB\*LABa 65.41 -104.893 3.58  
LAB\*TC<sub>Ha</sub> 50.0 110.17 162.25

relative CIELAB lab\*  
lab\*lab 0.733 -0.713 0.229  
lab\*tch 0.625 0.75 0.451  
lab\*nch 0.0 0.75 0.451  
relative Natural Colour (NC)  
lab\*trj 0.733 -0.749 0.0  
lab\*tce 0.625 0.75 0.5  
lab\*nce 0.0 0.75 0.5

relative Inform. Technology (IT)  
olvi3\* 0.083 1.0 0.0 (1.0)  
cmyn3\* 0.917 0.0 1.0 (0.0)  
olvi4\* 0.083 1.0 0.0 (1.0)  
cmyn4\* 0.917 0.0 1.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 65.41 -104.893 3.58  
LAB\*LABa 65.41 -104.893 3.58  
LAB\*TC<sub>Ha</sub> 50.0 110.17 162.25

relative CIELAB lab\*  
lab\*lab 0.733 -0.713 0.229  
lab\*tch 0.625 0.75 0.451  
lab\*nch 0.0 0.75 0.451  
relative Natural Colour (NC)  
lab\*trj 0.733 -0.749 0.0  
lab\*tce 0.625 0.75 0.5  
lab\*nce 0.0 0.75 0.5

relative Inform. Technology (IT)  
olvi3\* 0.541 1.0 0.5 (1.0)  
cmyn3\* 0.459 0.0 0.5 (0.0)  
olvi4\* 0.541 1.0 0.5 (1.0)  
cmyn4\* 0.459 0.0 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 80.4 -52.45 16.79  
LAB\*LABa 80.4 -52.45 16.79  
LAB\*TC<sub>Ha</sub> 75.0 55.08 162.25

relative CIELAB lab\*  
lab\*lab 0.822 -0.475 0.152  
lab\*tch 0.75 0.5 0.451  
lab\*nch 0.0 0.5 0.451  
relative Natural Colour (NC)  
lab\*trj 0.822 -0.499 0.0  
lab\*tce 0.75 0.5 0.5  
lab\*nce 0.0 0.5 0.5

relative Inform. Technology (IT)  
olvi3\* 0.312 1.0 0.25 (1.0)  
cmyn3\* 0.688 0.0 0.75 (0.0)  
olvi4\* 0.312 1.0 0.25 (1.0)  
cmyn4\* 0.688 0.0 0.75 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 72.9 -78.65 25.19  
LAB\*LABa 72.9 -78.65 25.19  
LAB\*TC<sub>Ha</sub> 62.5 82.63 162.25

relative CIELAB lab\*  
lab\*lab 0.733 -0.713 0.229  
lab\*tch 0.625 0.75 0.451  
lab\*nch 0.0 0.75 0.451  
relative Natural Colour (NC)  
lab\*trj 0.733 -0.749 0.0  
lab\*tce 0.625 0.75 0.5  
lab\*nce 0.0 0.75 0.5

relative Inform. Technology (IT)  
olvi3\* 0.062 0.75 0.0 (1.0)  
cmyn3\* 0.938 0.25 1.0 (0.0)  
olvi4\* 0.312 1.0 0.25 (1.0)  
cmyn4\* 0.688 0.0 0.75 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 65.41 -104.893 3.58  
LAB\*LABa 65.41 -104.893 3.58  
LAB\*TC<sub>Ha</sub> 50.0 110.17 162.25

relative CIELAB lab\*  
lab\*lab 0.645 -0.951 0.305  
lab\*tch 0.5 1.0 0.451  
lab\*nch 0.0 1.0 0.451  
relative Natural Colour (NC)  
lab\*trj 0.645 -0.999 0.0  
lab\*tce 0.5 1.0 0.5  
lab\*nce 0.0 1.0 0.5

relative Inform. Technology (IT)  
olvi3\* 0.083 1.0 0.0 (1.0)  
cmyn3\* 0.917 0.0 1.0 (0.0)  
olvi4\* 0.083 1.0 0.0 (1.0)  
cmyn4\* 0.917 0.0 1.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 65.41 -104.893 3.58  
LAB\*LABa 65.41 -104.893 3.58  
LAB\*TC<sub>Ha</sub> 50.0 110.17 162.25

relative CIELAB lab\*  
lab\*lab 0.733 -0.713 0.229  
lab\*tch 0.625 0.75 0.451  
lab\*nch 0.0 0.75 0.451  
relative Natural Colour (NC)  
lab\*trj 0.733 -0.749 0.0  
lab\*tce 0.625 0.75 0.5  
lab\*nce 0.0 0.75 0.5

relative Inform. Technology (IT)  
olvi3\* 0.083 1.0 0.0 (1.0)  
cmyn3\* 0.917 0.0 1.0 (0.0)  
olvi4\* 0.083 1.0 0.0 (1.0)  
cmyn4\* 0.917 0.0 1.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 65.41 -104.893 3.58  
LAB\*LABa 65.41 -104.893 3.58  
LAB\*TC<sub>Ha</sub> 50.0 110.17 162.25

relative CIELAB lab\*  
lab\*lab 0.733 -0.713 0.229  
lab\*tch 0.625 0.75 0.451  
lab\*nch 0.0 0.75 0.451  
relative Natural Colour (NC)  
lab\*trj 0.733 -0.749 0.0  
lab\*tce 0.625 0.75 0.5  
lab\*nce 0.0 0.75 0.5

relative Inform. Technology (IT)  
olvi3\* 0.083 1.0 0.0 (1.0)  
cmyn3\* 0.917 0.0 1.0 (0.0)  
olvi4\* 0.083 1.0 0.0 (1.0)  
cmyn4\* 0.917 0.0 1.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 65.41 -104.893 3.58  
LAB\*LABa 65.41 -104.893 3.58  
LAB\*TC<sub>Ha</sub> 50.0 110.17 162.25

relative CIELAB lab\*  
lab\*lab 0.733 -0.713 0.229  
lab\*tch 0.625 0.75 0.451  
lab\*nch 0.0 0.75 0.451  
relative Natural Colour (NC)  
lab\*trj 0.733 -0.749 0.0  
lab\*tce 0.625 0.75 0.5  
lab\*nce 0.0 0.75 0.5

relative Inform. Technology (IT)  
olvi3\* 0.5 0.5 0.5 (1.0)  
cmyn3\* 0.5 0.5 0.5 (1.0)  
olvi4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 74.31 0.02 0.0  
LAB\*LABa 74.31 0.02 0.0  
LAB\*TC<sub>Ha</sub> 75.0 0.01 -

relative CIELAB lab\*  
lab\*lab 1.0 0.0 0.0  
lab\*tch 1.0 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 1.0 0.0 0.0  
lab\*tce 1.0 0.0 0.0  
lab\*nce 0.0 0.0 0.0

relative Inform. Technology (IT)  
olvi3\* 0.75 0.75 0.75 (1.0)  
cmyn3\* 0.25 0.25 0.25 (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 53.21 0.04 0.0  
LAB\*LABa 53.21 0.04 0.0  
LAB\*TC<sub>Ha</sub> 50.0 0.01 -

relative CIELAB lab\*  
lab\*lab 0.75 0.0 0.0  
lab\*tch 0.75 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.75 0.0 0.0  
lab\*tce 0.75 0.0 0.0  
lab\*nce 0.0 0.0 0.0

relative Inform. Technology (IT)  
olvi3\* 0.5 0.5 0.5 (0.0)  
cmyn3\* 0.5 0.5 0.5 (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 53.21 0.04 0.0  
LAB\*LABa 53.21 0.04 0.0  
LAB\*TC<sub>Ha</sub> 50.0 0.01 -

relative CIELAB lab\*  
lab\*lab 0.5 0.0 0.0  
lab\*tch 0.5 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.5 0.0 0.0  
lab\*tce 0.5 0.0 0.0  
lab\*nce 0.0 0.0 0.0

relative Inform. Technology (IT)  
olvi3\* 0.25 0.25 0.25 (0.0)  
cmyn3\* 0.75 0.75 0.75 (1.0)  
olvi4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 32.11 0.07 0.01  
LAB\*LABa 32.11 0.07 0.01  
LAB\*TC<sub>Ha</sub> 25.0 0.01 -

relative CIELAB lab\*  
lab\*lab 0.25 0.0 0.0  
lab\*tch 0.25 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.25 0.0 0.0  
lab\*tce 0.25 0.0 0.0  
lab\*nce 0.0 0.0 0.0

www.ps.bam.de/TE59/10L/L59E09FP.PS/.PDF; linearized output  
 F: Output Linearization (OL) data TE59/10L/L59E09FP.DAT in File (F)

Input: Colorimetric Reflective System NCS11

for hue  $h^* = lab^*h = 272/360 = 0.755$

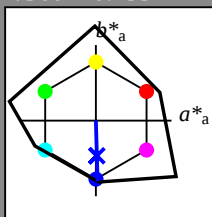
$lab^*tch$  and  $lab^*nch$

D65: hue B

LCH\*Ma: 49 80 272

rgb\*Ma: 0.0 0.02 1.0

triangle lightness  $t^*$



% Gamut

$u^*_{rel} = 149$

relative Inform. Technology (IT)

|          |     |     |     |       |
|----------|-----|-----|-----|-------|
| olvi3*   | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi4*   | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi5*   | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi6*   | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi7*   | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi8*   | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi9*   | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi10*  | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi11*  | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi12*  | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi13*  | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi14*  | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi15*  | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi16*  | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi17*  | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi18*  | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi19*  | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi20*  | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi21*  | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi22*  | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi23*  | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi24*  | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi25*  | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi26*  | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi27*  | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi28*  | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi29*  | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi30*  | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi31*  | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi32*  | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi33*  | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi34*  | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi35*  | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi36*  | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi37*  | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi38*  | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi39*  | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi40*  | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi41*  | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi42*  | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi43*  | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi44*  | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi45*  | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi46*  | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi47*  | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi48*  | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi49*  | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi50*  | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi51*  | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi52*  | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi53*  | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi54*  | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi55*  | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi56*  | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi57*  | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi58*  | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi59*  | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi60*  | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi61*  | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi62*  | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi63*  | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi64*  | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi65*  | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi66*  | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi67*  | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi68*  | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi69*  | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi70*  | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi71*  | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi72*  | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi73*  | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi74*  | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi75*  | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi76*  | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi77*  | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi78*  | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi79*  | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi80*  | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi81*  | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi82*  | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi83*  | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi84*  | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi85*  | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi86*  | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi87*  | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi88*  | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi89*  | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi90*  | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi91*  | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi92*  | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi93*  | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi94*  | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi95*  | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi96*  | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi97*  | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi98*  | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi99*  | 1.0 | 1.0 | 1.0 | (1.0) |
| olvi100* | 0.0 | 0.0 | 0.0 | (0.0) |

relative Inform. Technology (IT)

|          |      |      |      |       |
|----------|------|------|------|-------|
| olvi3*   | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi4*   | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi5*   | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi6*   | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi7*   | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi8*   | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi9*   | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi10*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi11*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi12*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi13*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi14*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi15*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi16*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi17*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi18*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi19*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi20*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi21*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi22*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi23*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi24*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi25*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi26*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi27*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi28*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi29*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi30*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi31*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi32*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi33*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi34*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi35*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi36*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi37*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi38*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi39*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi40*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi41*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi42*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi43*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi44*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi45*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi46*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi47*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi48*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi49*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi50*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi51*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi52*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi53*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi54*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi55*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi56*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi57*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi58*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi59*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi60*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi61*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi62*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi63*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi64*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi65*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi66*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi67*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi68*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi69*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi70*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi71*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi72*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi73*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi74*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi75*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi76*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi77*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi78*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi79*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi80*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi81*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi82*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi83*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi84*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi85*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi86*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi87*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi88*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi89*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi90*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi91*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi92*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi93*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi94*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi95*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi96*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi97*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi98*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi99*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi100* | 0.25 | 0.25 | 0.25 | (0.0) |

relative Inform. Technology (IT)

|         |      |      |      |       |
|---------|------|------|------|-------|
| olvi3*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi4*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi5*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi6*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi7*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi8*  | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi9*  | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi10* | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi11* | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi12* | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi13* | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi14* | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi15* | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi16* | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi17* | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi18* | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi19* | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi20* | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi21* | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi22* | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi23* | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi24* | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi25* | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi26* | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi27* | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi28* | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi29* | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi30* | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi31* | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi32* | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi33* | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi34* | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi35* | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi36* | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi37* | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi38* | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi39* | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi40* | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi41* | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi42* | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi43* | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi44* | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi45* | 0.75 | 0.75 | 0.75 | (1.0) |
| olvi46* | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi47* | 0.75 | 0.75 | 0.75 | (1.0) |