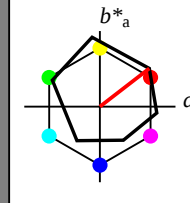


# Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18 für Buntton $h^* = lab^*h = 38/360 = 0.105$ $lab^*ch$ und $lab^*nch$

D65: Buntton O  
LCH\*Ma: 48 83 38  
olv\*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit  $t^*$



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 -0.98 4.75  
LAB\*LABa 95.41 0.0 0.0  
LAB\*LABb 99.99 0.01 0.0

relative CIELAB lab\*  
lab\*lab 1.0 0.0 0.0  
lab\*ch 1.0 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*tr 1.0 0.0 0.0  
lab\*tc 1.0 0.0 0.0  
lab\*nc 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 76.06 -0.61 3.44  
LAB\*LABa 76.06 0.0 0.0  
LAB\*LABb 76.06 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.75 0.0 0.0  
lab\*ch 0.75 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*tr 0.75 0.0 0.0  
lab\*tc 0.75 0.0 0.0  
lab\*nc 0.0 0.0 0.0

relative Inform. Technology (IT)  
olv3\* 0.5 0.5 0.5 (1.0)  
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 56.71 -0.24 2.14  
LAB\*LABa 56.71 0.0 0.0  
LAB\*LABb 56.71 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.5 0.0 0.0  
lab\*ch 0.5 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*tr 0.5 0.0 0.0  
lab\*tc 0.5 0.0 0.0  
lab\*nc 0.0 0.0 0.0

relative Inform. Technology (IT)  
olv3\* 0.25 0.25 0.25 (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 37.36 -0.13 0.63  
LAB\*LABa 37.36 0.0 0.0  
LAB\*LABb 37.36 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.25 0.0 0.0  
lab\*ch 0.25 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*tr 0.25 0.0 0.0  
lab\*tc 0.25 0.0 0.0  
lab\*nc 0.0 0.0 0.0

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (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 18.02 0.0 0.0  
LAB\*LABa 18.02 0.0 0.0  
LAB\*LABb 18.02 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 0.0

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (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 0.01 0.01 0.01  
LAB\*LABa 0.01 0.01 0.01  
LAB\*LABb 0.01 0.01 0.01

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 0.0

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (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 0.0 0.0 0.0  
LAB\*LABa 0.0 0.0 0.0  
LAB\*LABb 0.0 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 0.0

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (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 0.0 0.0 0.0  
LAB\*LABa 0.0 0.0 0.0  
LAB\*LABb 0.0 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 0.0

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (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 0.0 0.0 0.0  
LAB\*LABa 0.0 0.0 0.0  
LAB\*LABb 0.0 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 0.0

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (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 0.0 0.0 0.0  
LAB\*LABa 0.0 0.0 0.0  
LAB\*LABb 0.0 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 0.0

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (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 0.0 0.0 0.0  
LAB\*LABa 0.0 0.0 0.0  
LAB\*LABb 0.0 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 0.0

| ORS18; adaptierte CIELAB-Daten | L*=L <sub>a</sub> | a <sub>a</sub> | b <sub>a</sub> | C <sub>ab,a</sub> | h <sub>ab,a</sub> |
|--------------------------------|-------------------|----------------|----------------|-------------------|-------------------|
| O <sub>Ma</sub> 47.94          | 65.39             | 50.52          | 82.63          | 38                |                   |
| Y <sub>Ma</sub> 90.37          | -10.26            | 91.75          | 92.32          | 96                |                   |
| L <sub>Ma</sub> 50.9           | -62.83            | 34.96          | 71.91          | 151               |                   |
| C <sub>Ma</sub> 58.62          | -30.34            | -45.01         | 54.3           | 236               |                   |
| V <sub>Ma</sub> 25.72          | 31.1              | -44.4          | 54.22          | 305               |                   |
| M <sub>Ma</sub> 48.13          | 75.28             | -8.36          | 75.74          | 354               |                   |
| N <sub>Ma</sub> 18.01          | 0.0               | 0.0            | 0.0            | 0                 |                   |
| W <sub>Ma</sub> 95.41          | 0.0               | 0.0            | 0.0            | 0                 |                   |
| R <sub>CIE</sub> 39.92         | 58.66             | 26.98          | 64.57          | 25                |                   |
| J <sub>CIE</sub> 81.26         | -2.16             | 67.76          | 67.79          | 92                |                   |
| G <sub>CIE</sub> 52.23         | -42.25            | 11.76          | 43.87          | 164               |                   |
| B <sub>CIE</sub> 30.57         | 1.15              | -46.84         | 46.86          | 271               |                   |

%Regularität

g<sub>H,rel</sub> = 57

g<sub>C,rel</sub> = 59

relative Inform. Technology (IT)  
olv3\* 1.0 0.75 0.75 (1.0)  
cmyn3\* 0.0 0.25 0.25 (0.0)  
olv4\* 1.0 0.75 0.75 (1.0)  
cmyn4\* 0.0 0.25 0.25 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 83.54 15.58 16.58  
LAB\*LABa 83.54 16.34 12.62  
LAB\*LABb 83.54 16.34 12.62

relative CIELAB lab\*  
lab\*lab 0.847 0.198 0.153  
lab\*ch 0.875 0.25 0.105  
lab\*nch 0.0 0.25 0.105  
relative Natural Colour (NC)  
lab\*tr 0.847 0.238 0.075  
lab\*tc 0.875 0.25 0.048  
lab\*nc 0.0 0.25 0.191

relative Inform. Technology (IT)  
olv3\* 0.75 0.5 0.5 (1.0)  
cmyn3\* 0.25 0.5 0.5 (0.0)  
olv4\* 1.0 0.75 0.75 (1.0)  
cmyn4\* 0.0 0.25 0.25 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 64.19 15.96 15.28  
LAB\*LABa 64.19 16.35 12.63  
LAB\*LABb 64.19 16.35 12.63

relative CIELAB lab\*  
lab\*lab 0.593 0.396 0.306  
lab\*ch 0.625 0.5 0.105  
lab\*nch 0.0 0.5 0.105  
relative Natural Colour (NC)  
lab\*tr 0.593 0.477 0.15  
lab\*tc 0.625 0.5 0.048  
lab\*nc 0.0 0.5 0.191

relative Inform. Technology (IT)  
olv3\* 0.5 0.25 0.25 (1.0)  
cmyn3\* 0.25 0.25 0.25 (0.0)  
olv4\* 1.0 0.5 0.5 (1.0)  
cmyn4\* 0.0 0.25 0.25 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 52.33 32.53 27.11  
LAB\*LABa 52.33 32.69 25.26  
LAB\*LABb 52.33 32.69 25.26

relative CIELAB lab\*  
lab\*lab 0.443 0.396 0.306  
lab\*ch 0.475 0.5 0.105  
lab\*nch 0.0 0.25 0.105  
relative Natural Colour (NC)  
lab\*tr 0.443 0.477 0.15  
lab\*tc 0.475 0.5 0.048  
lab\*nc 0.0 0.25 0.191

relative Inform. Technology (IT)  
olv3\* 0.25 0.1 0.1 (1.0)  
cmyn3\* 0.0 0.1 0.1 (0.0)  
olv4\* 1.0 0.25 0.25 (1.0)  
cmyn4\* 0.0 0.1 0.1 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 32.98 32.69 25.25  
LAB\*LABa 32.98 32.69 25.25  
LAB\*LABb 32.98 32.69 25.25

relative CIELAB lab\*  
lab\*lab 0.193 0.396 0.306  
lab\*ch 0.25 0.5 0.105  
lab\*nch 0.0 0.1 0.105  
relative Natural Colour (NC)  
lab\*tr 0.193 0.477 0.15  
lab\*tc 0.25 0.5 0.048  
lab\*nc 0.0 0.1 0.191

relative Inform. Technology (IT)  
olv3\* 0.1 0.05 0.05 (1.0)  
cmyn3\* 0.0 0.05 0.05 (0.0)  
olv4\* 1.0 0.1 0.1 (1.0)  
cmyn4\* 0.0 0.05 0.05 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 18.02 18.02 0.47  
LAB\*LABa 18.02 18.02 0.47  
LAB\*LABb 18.02 18.02 0.47

relative CIELAB lab\*  
lab\*lab 0.097 0.198 0.153  
lab\*ch 0.125 0.25 0.105  
lab\*nch 0.0 0.05 0.105  
relative Natural Colour (NC)  
lab\*tr 0.097 0.238 0.075  
lab\*tc 0.125 0.25 0.048  
lab\*nc 0.0 0.05 0.191

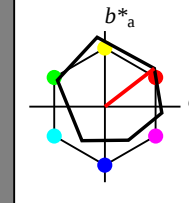
relative Inform. Technology (IT)  
olv3\* 0.05 0.0 0.0 (1.0)  
cmyn3\* 0.0 0.0 0.0 (0.0)  
olv4\* 1.0 0.0 0.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 0.01 0.01 0.01  
LAB\*LABa 0.01 0.01 0.01  
LAB\*LABb 0.01 0.01 0.01

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 0.0

# Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18 für Buntton $h^* = lab^*h = 38/360 = 0.105$ $lab^*ch$ und $lab^*nch$

D65: Buntton O  
LCH\*Ma: 48 83 38  
olv\*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit  $t^*$



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 -0.98 4.75  
LAB\*LABa 95.41 0.0 0.0  
LAB\*LABb 99.99 0.01 0.0

relative CIELAB lab\*  
lab\*lab 1.0 0.0 0.0  
lab\*ch 1.0 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*tr 1.0 0.0 0.0  
lab\*tc 1.0 0.0 0.0  
lab\*nc 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 76.06 -0.61 3.44  
LAB\*LABa 76.06 0.0 0.0  
LAB\*LABb 76.06 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.75 0.0 0.0  
lab\*ch 0.75 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*tr 0.75 0.0 0.0  
lab\*tc 0.75 0.0 0.0  
lab\*nc 0.0 0.0 0.0

relative Inform. Technology (IT)  
olv3\* 0.5 0.5 0.5 (1.0)  
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 56.71 -0.24 2.14  
LAB\*LABa 56.71 0.0 0.0  
LAB\*LABb 56.71 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.5 0.0 0.0  
lab\*ch 0.5 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*tr 0.5 0.0 0.0  
lab\*tc 0.5 0.0 0.0  
lab\*nc 0.0 0.0 0.0

relative Inform. Technology (IT)  
olv3\* 0.25 0.25 0.25 (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 37.36 -0.13 0.63  
LAB\*LABa 37.36 0.0 0.0  
LAB\*LABb 37.36 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.25 0.0 0.0  
lab\*ch 0.25 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*tr 0.25 0.0 0.0  
lab\*tc 0.25 0.0 0.0  
lab\*nc 0.0 0.0 0.0

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (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 18.02 0.0 0.0  
LAB\*LABa 18.02 0.0 0.0  
LAB\*LABb 18.02 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 0.0

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (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 0.01 0.01 0.01  
LAB\*LABa 0.01 0.01 0.01  
LAB\*LABb 0.01 0.01 0.01

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 0.0

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (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 0.0 0.0 0.0  
LAB\*LABa 0.0 0.0 0.0  
LAB\*LABb 0.0 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 0.0

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (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 0.0 0.0 0.0  
LAB\*LABa 0.0 0.0 0.0  
LAB\*LABb 0.0 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 0.0

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (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 0.0 0.0 0.0  
LAB\*LABa 0.0 0.0 0.0  
LAB\*LABb 0.0 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 0.0

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (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 0.0 0.0 0.0  
LAB\*LABa 0.0 0.0 0.0  
LAB\*LABb 0.0 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 0.0

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (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 0.0 0.0 0.0  
LAB\*LABa 0.0 0.0 0.0  
LAB\*LABb 0.0 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 0.0

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (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 0.0 0.0 0.0  
LAB\*LABa 0.0 0.0 0.0  
LAB\*LABb 0.0 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 0.0

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\*LABa 95.41 0.0 0.0  
LAB\*LABb 99.99 0.01 0.0

relative CIELAB lab\*  
lab\*lab 1.0

### Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton  $h^* = lab^*h = 96/360 = 0.268$

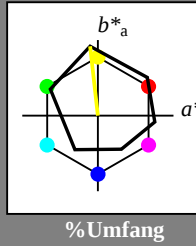
$lab^*ich$  und  $lab^*nch$

D65: Buntton Y

LCH\*Ma: 90 92 96

olv\*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit  $t^*$



$u^*_{rel} = 93$

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 47.5  
LAB\*LABa 95.41 0.0 0.0  
LAB\*LABb 95.41 0.0 0.0  
LAB\*LABc 95.41 0.0 0.0

relative CIELAB lab\*  
lab\*lab 1.0 0.0 0.0  
lab\*lab 0.0 0.0 0.0  
lab\*lab 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*lab 1.0 0.0 0.0  
lab\*lab 0.0 0.0 0.0  
lab\*lab 0.0 0.0 0.0  
lab\*lab 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 76.06 -0.61 3.44  
LAB\*LABa 76.06 0.0 0.0  
LAB\*LABb 76.06 0.0 0.0  
LAB\*LABc 76.06 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.75 0.75 0.75 (1.0)  
lab\*lab 0.25 0.25 0.25 (0.0)  
lab\*lab 1.0 1.0 1.0 (1.0)  
lab\*lab 0.0 0.0 0.0 (0.0)  
relative Natural Colour (NC)  
lab\*lab 0.75 0.75 0.75 (1.0)  
lab\*lab 0.25 0.25 0.25 (0.0)  
lab\*lab 1.0 1.0 1.0 (1.0)  
lab\*lab 0.0 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 56.71 -0.24 2.14  
LAB\*LABa 56.71 0.0 0.0  
LAB\*LABb 56.71 0.0 0.0  
LAB\*LABc 56.71 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.75 0.75 0.75 (1.0)  
lab\*lab 0.25 0.25 0.25 (0.0)  
lab\*lab 1.0 1.0 1.0 (1.0)  
lab\*lab 0.0 0.0 0.0 (0.0)  
relative Natural Colour (NC)  
lab\*lab 0.75 0.75 0.75 (1.0)  
lab\*lab 0.25 0.25 0.25 (0.0)  
lab\*lab 1.0 1.0 1.0 (1.0)  
lab\*lab 0.0 0.0 0.0 (0.0)

relative Inform. Technology (IT)  
olv3\* 0.25 0.25 0.25 (1.0)  
cmyn3\* 0.75 0.75 0.75 (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 37.36 -0.13 0.63  
LAB\*LABa 37.36 0.0 0.0  
LAB\*LABb 37.36 0.0 0.0  
LAB\*LABc 37.36 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.25 0.25 0.25 (1.0)  
lab\*lab 0.75 0.75 0.75 (0.0)  
lab\*lab 1.0 1.0 1.0 (1.0)  
lab\*lab 0.0 0.0 0.0 (0.0)  
relative Natural Colour (NC)  
lab\*lab 0.25 0.25 0.25 (1.0)  
lab\*lab 0.75 0.75 0.75 (0.0)  
lab\*lab 1.0 1.0 1.0 (1.0)  
lab\*lab 0.0 0.0 0.0 (0.0)

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 1.0 1.0 (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 18.02 0.0 0.47  
LAB\*LABa 18.02 0.0 0.47  
LAB\*LABb 18.02 0.0 0.47  
LAB\*LABc 18.02 0.0 0.47

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0 (1.0)  
lab\*lab 1.0 1.0 1.0 (0.0)  
lab\*lab 1.0 1.0 1.0 (1.0)  
lab\*lab 0.0 0.0 0.0 (0.0)  
relative Natural Colour (NC)  
lab\*lab 0.0 0.0 0.0 (1.0)  
lab\*lab 1.0 1.0 1.0 (0.0)  
lab\*lab 1.0 1.0 1.0 (1.0)  
lab\*lab 0.0 0.0 0.0 (0.0)

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 1.0 1.0 (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 18.02 0.0 0.47  
LAB\*LABa 18.02 0.0 0.47  
LAB\*LABb 18.02 0.0 0.47  
LAB\*LABc 18.02 0.0 0.47

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0 (1.0)  
lab\*lab 1.0 1.0 1.0 (0.0)  
lab\*lab 1.0 1.0 1.0 (1.0)  
lab\*lab 0.0 0.0 0.0 (0.0)  
relative Natural Colour (NC)  
lab\*lab 0.0 0.0 0.0 (1.0)  
lab\*lab 1.0 1.0 1.0 (0.0)  
lab\*lab 1.0 1.0 1.0 (1.0)  
lab\*lab 0.0 0.0 0.0 (0.0)

### ORS18; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| Y <sub>Ma</sub>  | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| L <sub>Ma</sub>  | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| C <sub>Ma</sub>  | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>Ma</sub>  | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>Ma</sub>  | 48.13       | 75.28   | -8.36   | 75.74        | 354          |
| N <sub>Ma</sub>  | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub> | 39.92       | 58.66   | 26.98   | 64.57        | 25           |
| J <sub>CIE</sub> | 81.26       | -2.16   | 67.76   | 67.79        | 92           |
| G <sub>CIE</sub> | 52.23       | -42.25  | 11.76   | 43.87        | 164          |
| B <sub>CIE</sub> | 30.57       | 1.15    | -46.84  | 46.86        | 271          |

%Regularität

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

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

relative Inform. Technology (IT)

olv3\* 1.0 1.0 0.5 (1.0)  
cmyn3\* 0.0 0.0 0.5 (0.0)  
olv4\* 1.0 1.0 0.5 (1.0)  
cmyn4\* 0.0 0.0 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 92.88 -6.06 50.46  
LAB\*LABa 92.88 -6.06 50.46  
LAB\*LABb 92.88 -6.06 50.46  
LAB\*LABc 92.88 -6.06 50.46

relative CIELAB lab\*  
lab\*lab 0.967 -0.055 0.497  
lab\*lab 0.75 0.5 0.268  
lab\*lab 0.0 0.5 0.268  
relative Natural Colour (NC)  
lab\*lab 0.967 -0.055 0.497  
lab\*lab 0.75 0.5 0.268  
lab\*lab 0.0 0.5 0.268  
lab\*lab 0.0 0.5 0.268

relative Inform. Technology (IT)

olv3\* 0.75 0.75 0.5 (1.0)  
cmyn3\* 0.25 0.25 0.5 (0.0)  
olv4\* 1.0 1.0 0.5 (1.0)  
cmyn4\* 0.0 0.0 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 91.62 -8.61 73.31  
LAB\*LABa 91.62 -8.61 73.31  
LAB\*LABb 91.62 -8.61 73.31  
LAB\*LABc 91.62 -8.61 73.31

relative CIELAB lab\*  
lab\*lab 0.951 -0.082 0.745  
lab\*lab 0.625 0.75 0.268  
lab\*lab 0.0 0.75 0.268  
relative Natural Colour (NC)  
lab\*lab 0.951 -0.082 0.745  
lab\*lab 0.625 0.75 0.268  
lab\*lab 0.0 0.75 0.268  
lab\*lab 0.0 0.75 0.268

relative Inform. Technology (IT)

olv3\* 0.75 0.75 0.0 (1.0)  
cmyn3\* 0.25 0.25 0.0 (0.0)  
olv4\* 1.0 1.0 0.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 90.36 -10.25 91.73  
LAB\*LABa 90.36 -10.25 91.73  
LAB\*LABb 90.36 -10.25 91.73  
LAB\*LABc 90.36 -10.25 91.73

relative CIELAB lab\*  
lab\*lab 0.938 -0.11 0.994  
lab\*lab 0.5 0.5 0.0 (0.0)  
lab\*lab 0.0 0.5 0.0 (0.0)  
relative Natural Colour (NC)  
lab\*lab 0.938 -0.11 0.994  
lab\*lab 0.5 0.5 0.0 (0.0)  
lab\*lab 0.0 0.5 0.0 (0.0)  
lab\*lab 0.0 0.5 0.0 (0.0)

relative Inform. Technology (IT)

olv3\* 0.75 0.75 0.0 (1.0)  
cmyn3\* 0.25 0.25 0.0 (0.0)  
olv4\* 1.0 1.0 0.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 90.36 -10.25 91.73  
LAB\*LABa 90.36 -10.25 91.73  
LAB\*LABb 90.36 -10.25 91.73  
LAB\*LABc 90.36 -10.25 91.73

relative CIELAB lab\*  
lab\*lab 0.938 -0.11 0.994  
lab\*lab 0.5 0.5 0.0 (0.0)  
lab\*lab 0.0 0.5 0.0 (0.0)  
relative Natural Colour (NC)  
lab\*lab 0.938 -0.11 0.994  
lab\*lab 0.5 0.5 0.0 (0.0)  
lab\*lab 0.0 0.5 0.0 (0.0)  
lab\*lab 0.0 0.5 0.0 (0.0)

relative Inform. Technology (IT)

olv3\* 0.25 0.25 0.0 (1.0)  
cmyn3\* 0.75 0.75 0.0 (0.0)  
olv4\* 1.0 1.0 0.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 18.02 0.0 0.47  
LAB\*LABa 18.02 0.0 0.47  
LAB\*LABb 18.02 0.0 0.47  
LAB\*LABc 18.02 0.0 0.47

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0 (1.0)  
lab\*lab 1.0 1.0 0.0 (0.0)  
lab\*lab 1.0 1.0 0.0 (1.0)  
lab\*lab 0.0 0.0 0.0 (0.0)  
relative Natural Colour (NC)  
lab\*lab 0.0 0.0 0.0 (1.0)  
lab\*lab 1.0 1.0 0.0 (0.0)  
lab\*lab 1.0 1.0 0.0 (1.0)  
lab\*lab 0.0 0.0 0.0 (0.0)

### Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton  $h^* = lab^*h = 96/360 = 0.268$

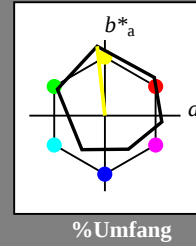
$lab^*ich$  und  $lab^*nch$

D65: Buntton Y

LCH\*Ma: 90 92 96

olv\*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit  $t^*$



$u^*_{rel} = 93$

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 47.5  
LAB\*LABa 95.41 0.0 0.0  
LAB\*LABb 95.41 0.0 0.0  
LAB\*LABc 95.41 0.0 0.0

relative CIELAB lab\*  
lab\*lab 1.0 0.0 0.0  
lab\*lab 0.0 0.0 0.0  
lab\*lab 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*lab 1.0 0.0 0.0  
lab\*lab 0.0 0.0 0.0  
lab\*lab 0.0 0.0 0.0  
lab\*lab 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 76.06 -0.61 3.44  
LAB\*LABa 76.06 0.0 0.0  
LAB\*LABb 76.06 0.0 0.0  
LAB\*LABc 76.06 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.75 0.75 0.75 (1.0)  
lab\*lab 0.25 0.25 0.25 (0.0)  
lab\*lab 1.0 1.0 1.0 (1.0)  
lab\*lab 0.0 0.0 0.0 (0.0)  
relative Natural Colour (NC)  
lab\*lab 0.75 0.75 0.75 (1.0)  
lab\*lab 0.25 0.25 0.25 (0.0)  
lab\*lab 1.0 1.0 1.0 (1.0)  
lab\*lab 0.0 0.0 0.0 (0.0)

relative Inform. Technology (IT)  
olv3\* 0.75 0.75 0.0 (1.0)  
cmyn3\* 0.25 0.25 0.0 (0.0)  
olv4\* 1.0 1.0 0.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 56.71 -0.24 2.14  
LAB\*LABa 56.71 0.0 0.0  
LAB\*LABb 56.71 0.0 0.0  
LAB\*LABc 56.71 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.75 0.75 0.0 (1.0)  
lab\*lab 0.25 0.25 0.0 (0.0)  
lab\*lab 1.0 1.0 0.0 (1.0)  
lab\*lab 0.0 0.0 0.0 (0.0)  
relative Natural Colour (NC)  
lab\*lab 0.75 0.75 0.0 (1.0)  
lab\*lab 0.25 0.25 0.0 (0.0)  
lab\*lab 1.0 1.0 0.0 (1.0)  
lab\*lab 0.0 0.0 0.0 (0.0)

relative Inform. Technology (IT)  
olv3\* 0.25 0.25 0.25 (1.0)  
cmyn3\* 0.75 0.75 0.75 (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 37.36 -0.13 0.63  
LAB\*LABa 37.36 0.0 0.0  
LAB\*LABb 37.36 0.0 0.0  
LAB\*LABc 37.36 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.25 0.25 0.25 (1.0)  
lab\*lab 0.75 0.75 0.75 (0.0)  
lab\*lab 1.0 1.0 1.0 (1.0)  
lab\*lab 0.0 0.0 0.0 (0.0)  
relative Natural Colour (NC)  
lab\*lab 0.25 0.25 0.25 (1.0)  
lab\*lab 0.75 0.75 0.75 (0.0)  
lab\*lab 1.0 1.0 1.0 (1.0)  
lab\*lab 0.0 0.0 0.0 (0.0)

relative Inform. Technology (IT)  
olv3\* 0.25 0.25 0.0 (1.0)  
cmyn3\* 0.75 0.75 0.0 (0.0)  
olv4\* 1.0 1.0 0.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 18.02 0.0 0.47  
LAB\*LABa 18.02 0.0 0.47  
LAB\*LABb 18.02 0.0 0.47  
LAB\*LABc 18.02 0.0 0.47

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0 (1.0)  
lab\*lab 1.0 1.0 0.0 (0.0)  
lab\*lab 1.0 1.0 0.0 (1.0)  
lab\*lab 0.0 0.0 0.0 (0.0)  
relative Natural Colour (NC)  
lab\*lab 0.0 0.0 0.0 (1.0)  
lab\*lab 1.0 1.0 0.0 (0.0)  
lab\*lab 1.0 1.0 0.0 (1.0)  
lab\*lab 0.0 0.0 0.0 (0.0)

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 1.0 1.0 (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 18.02 0.0 0.47  
LAB\*LABa 18.02 0.0 0.47  
LAB\*LABb 18.02 0.0 0.47  
LAB\*LABc 18.02 0.0 0.47

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0 (1.0)  
lab\*lab 1.0 1.0 0.0 (0.0)  
lab\*lab 1.0 1.0 0.0 (1.0)  
lab\*lab 0.0 0.0 0.0 (0.0)  
relative Natural Colour (NC)  
lab\*lab 0.0 0.0 0.0 (1.0)  
lab\*lab 1.0 1.0 0.0 (0.0)  
lab\*lab 1.0 1.0 0.0 (1.0)  
lab\*lab 0.0 0.0 0.0 (0.0)

### ORS18; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| Y <sub>Ma</sub>  | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| L <sub>Ma</sub>  | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| C <sub>Ma</sub>  | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>Ma</sub>  | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>Ma</sub>  | 48.13       | 75.28   | -8.36   | 75.74        | 354          |
| N <sub>Ma</sub>  | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub> | 39.92       | 58.66   | 26.98   | 64.57        | 25           |
| J <sub>CIE</sub> | 81.26       | -2.16   | 67.76   | 67.79        | 92           |
| G <sub>CIE</sub> | 52.23       | -42.25  | 11.76   | 43.87        | 164          |
| B <sub>CIE</sub> | 30.57       | 1.15    | -46.84  | 46.86        | 271          |

%Regularität

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

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

relative Inform. Technology (IT)

olv3\* 1.0 1.0 0.5 (1.0)  
cmyn3\* 0.0 0.0 0.5 (0.0)  
olv4\* 1.0 1.0 0.5 (1.0)  
cmyn4\* 0.0 0.0 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 92.88 -6.06 50.46  
LAB\*LABa 92.88 -6.06 50.46  
LAB\*LABb 92.88 -6.06 50.46  
LAB\*LABc 92.88 -6.06 50.46

relative CIELAB lab\*  
lab\*lab 0.967 -0.055 0.497  
lab\*lab 0.75 0.5 0.268  
lab\*lab 0.0 0.5 0.268  
relative Natural Colour (NC)  
lab\*lab 0.967 -0.055 0.497  
lab\*lab 0.75 0.5 0.268  
lab\*lab 0.0 0.5 0.268  
lab\*lab 0.0 0.5 0.268

relative Inform. Technology (IT)

olv3\* 0.75 0.75 0.5 (1.0)  
cmyn3\* 0.25 0.25 0.5 (0.0)  
olv4\* 1.0 1.0 0.5 (1.0)  
cmyn4\* 0.0 0.0 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 91.62 -8.61 73.31  
LAB\*LABa 91.62 -8.61 73.31  
LAB\*LABb 91.62 -8.61 73.31  
LAB\*LABc 91.62 -8.61 73.31

relative CIELAB lab\*  
lab\*lab 0.951 -0.082 0.745  
lab\*lab 0.625 0.75 0.268  
lab\*lab 0.0 0.75 0.268  
relative Natural Colour (NC)  
lab\*lab 0.951 -0.082 0.745  
lab\*lab 0.625 0.75 0.268  
lab\*lab 0.0 0.75 0.268  
lab\*lab 0.0 0.75 0.268

relative Inform. Technology (IT)

olv3\* 0.75 0.75 0.0 (1.0)  
cmyn3\* 0.25 0.25 0.0 (0.0)  
olv4\* 1.0 1.0 0.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 90.36 -10.25 91.73  
LAB\*LABa 90.36 -10.25 91.73  
LAB\*LABb 90.36 -10.25 91.73  
LAB\*LABc 90.36 -10.25 91.73

relative CIELAB lab\*  
lab\*lab 0.938 -0.11 0.994  
lab\*lab 0.5 0.5 0.0 (0.0)  
lab\*lab 0.0 0.5 0.0 (0.0)  
relative Natural Colour (NC)  
lab\*lab 0.938 -0.11 0.994  
lab\*lab 0.5 0.5 0.0 (0.0)  
lab\*lab 0.0 0.5 0.0 (0.0)  
lab\*lab 0.0 0.5 0.0 (0.0)

relative Inform. Technology (IT)

olv3\* 0.75 0.75 0.0 (1.0)  
cmyn3\* 0.25 0.25 0.0 (0.0)  
olv4\* 1.0 1.0 0.0 (1.0)  
cmyn4\* 0.0 0.0 0





## Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton  $h^* = lab^*h = 305/360 = 0.847$

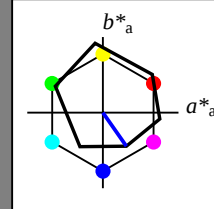
$lab^*ch$  und  $lab^*nch$

D65: Buntton V

LCH\*Ma: 26 54 305

olv\*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit  $t^*$



ORS18; adaptierte CIELAB-Daten

|                  | $L^*=L_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-----------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 47.94     | 65.39   | 50.52   | 82.63        | 38           |
| Y <sub>Ma</sub>  | 90.37     | -10.26  | 91.75   | 92.32        | 96           |
| L <sub>Ma</sub>  | 50.9      | -62.83  | 34.96   | 71.91        | 151          |
| C <sub>Ma</sub>  | 58.62     | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>Ma</sub>  | 25.72     | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>Ma</sub>  | 48.13     | 75.28   | -8.36   | 75.74        | 354          |
| N <sub>Ma</sub>  | 18.01     | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 95.41     | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub> | 39.92     | 58.66   | 26.98   | 64.57        | 25           |
| J <sub>CIE</sub> | 81.26     | -2.16   | 67.76   | 67.79        | 92           |
| G <sub>CIE</sub> | 52.23     | -42.25  | 11.76   | 43.87        | 164          |
| B <sub>CIE</sub> | 30.57     | 1.15    | -46.84  | 46.86        | 271          |

%Regularität

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

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

relative Inform. Technology (IT)

|         |     |     |     |
|---------|-----|-----|-----|
| olv3*   | 0.0 | 0.0 | 0.0 |
| olv4*   | 0.0 | 0.0 | 0.0 |
| olv5*   | 0.0 | 0.0 | 0.0 |
| olv6*   | 0.0 | 0.0 | 0.0 |
| olv7*   | 0.0 | 0.0 | 0.0 |
| olv8*   | 0.0 | 0.0 | 0.0 |
| olv9*   | 0.0 | 0.0 | 0.0 |
| olv10*  | 0.0 | 0.0 | 0.0 |
| olv11*  | 0.0 | 0.0 | 0.0 |
| olv12*  | 0.0 | 0.0 | 0.0 |
| olv13*  | 0.0 | 0.0 | 0.0 |
| olv14*  | 0.0 | 0.0 | 0.0 |
| olv15*  | 0.0 | 0.0 | 0.0 |
| olv16*  | 0.0 | 0.0 | 0.0 |
| olv17*  | 0.0 | 0.0 | 0.0 |
| olv18*  | 0.0 | 0.0 | 0.0 |
| olv19*  | 0.0 | 0.0 | 0.0 |
| olv20*  | 0.0 | 0.0 | 0.0 |
| olv21*  | 0.0 | 0.0 | 0.0 |
| olv22*  | 0.0 | 0.0 | 0.0 |
| olv23*  | 0.0 | 0.0 | 0.0 |
| olv24*  | 0.0 | 0.0 | 0.0 |
| olv25*  | 0.0 | 0.0 | 0.0 |
| olv26*  | 0.0 | 0.0 | 0.0 |
| olv27*  | 0.0 | 0.0 | 0.0 |
| olv28*  | 0.0 | 0.0 | 0.0 |
| olv29*  | 0.0 | 0.0 | 0.0 |
| olv30*  | 0.0 | 0.0 | 0.0 |
| olv31*  | 0.0 | 0.0 | 0.0 |
| olv32*  | 0.0 | 0.0 | 0.0 |
| olv33*  | 0.0 | 0.0 | 0.0 |
| olv34*  | 0.0 | 0.0 | 0.0 |
| olv35*  | 0.0 | 0.0 | 0.0 |
| olv36*  | 0.0 | 0.0 | 0.0 |
| olv37*  | 0.0 | 0.0 | 0.0 |
| olv38*  | 0.0 | 0.0 | 0.0 |
| olv39*  | 0.0 | 0.0 | 0.0 |
| olv40*  | 0.0 | 0.0 | 0.0 |
| olv41*  | 0.0 | 0.0 | 0.0 |
| olv42*  | 0.0 | 0.0 | 0.0 |
| olv43*  | 0.0 | 0.0 | 0.0 |
| olv44*  | 0.0 | 0.0 | 0.0 |
| olv45*  | 0.0 | 0.0 | 0.0 |
| olv46*  | 0.0 | 0.0 | 0.0 |
| olv47*  | 0.0 | 0.0 | 0.0 |
| olv48*  | 0.0 | 0.0 | 0.0 |
| olv49*  | 0.0 | 0.0 | 0.0 |
| olv50*  | 0.0 | 0.0 | 0.0 |
| olv51*  | 0.0 | 0.0 | 0.0 |
| olv52*  | 0.0 | 0.0 | 0.0 |
| olv53*  | 0.0 | 0.0 | 0.0 |
| olv54*  | 0.0 | 0.0 | 0.0 |
| olv55*  | 0.0 | 0.0 | 0.0 |
| olv56*  | 0.0 | 0.0 | 0.0 |
| olv57*  | 0.0 | 0.0 | 0.0 |
| olv58*  | 0.0 | 0.0 | 0.0 |
| olv59*  | 0.0 | 0.0 | 0.0 |
| olv60*  | 0.0 | 0.0 | 0.0 |
| olv61*  | 0.0 | 0.0 | 0.0 |
| olv62*  | 0.0 | 0.0 | 0.0 |
| olv63*  | 0.0 | 0.0 | 0.0 |
| olv64*  | 0.0 | 0.0 | 0.0 |
| olv65*  | 0.0 | 0.0 | 0.0 |
| olv66*  | 0.0 | 0.0 | 0.0 |
| olv67*  | 0.0 | 0.0 | 0.0 |
| olv68*  | 0.0 | 0.0 | 0.0 |
| olv69*  | 0.0 | 0.0 | 0.0 |
| olv70*  | 0.0 | 0.0 | 0.0 |
| olv71*  | 0.0 | 0.0 | 0.0 |
| olv72*  | 0.0 | 0.0 | 0.0 |
| olv73*  | 0.0 | 0.0 | 0.0 |
| olv74*  | 0.0 | 0.0 | 0.0 |
| olv75*  | 0.0 | 0.0 | 0.0 |
| olv76*  | 0.0 | 0.0 | 0.0 |
| olv77*  | 0.0 | 0.0 | 0.0 |
| olv78*  | 0.0 | 0.0 | 0.0 |
| olv79*  | 0.0 | 0.0 | 0.0 |
| olv80*  | 0.0 | 0.0 | 0.0 |
| olv81*  | 0.0 | 0.0 | 0.0 |
| olv82*  | 0.0 | 0.0 | 0.0 |
| olv83*  | 0.0 | 0.0 | 0.0 |
| olv84*  | 0.0 | 0.0 | 0.0 |
| olv85*  | 0.0 | 0.0 | 0.0 |
| olv86*  | 0.0 | 0.0 | 0.0 |
| olv87*  | 0.0 | 0.0 | 0.0 |
| olv88*  | 0.0 | 0.0 | 0.0 |
| olv89*  | 0.0 | 0.0 | 0.0 |
| olv90*  | 0.0 | 0.0 | 0.0 |
| olv91*  | 0.0 | 0.0 | 0.0 |
| olv92*  | 0.0 | 0.0 | 0.0 |
| olv93*  | 0.0 | 0.0 | 0.0 |
| olv94*  | 0.0 | 0.0 | 0.0 |
| olv95*  | 0.0 | 0.0 | 0.0 |
| olv96*  | 0.0 | 0.0 | 0.0 |
| olv97*  | 0.0 | 0.0 | 0.0 |
| olv98*  | 0.0 | 0.0 | 0.0 |
| olv99*  | 0.0 | 0.0 | 0.0 |
| olv100* | 0.0 | 0.0 | 0.0 |

relative Inform. Technology (IT)

|         |     |     |     |
|---------|-----|-----|-----|
| olv3*   | 0.0 | 0.0 | 0.0 |
| olv4*   | 0.0 | 0.0 | 0.0 |
| olv5*   | 0.0 | 0.0 | 0.0 |
| olv6*   | 0.0 | 0.0 | 0.0 |
| olv7*   | 0.0 | 0.0 | 0.0 |
| olv8*   | 0.0 | 0.0 | 0.0 |
| olv9*   | 0.0 | 0.0 | 0.0 |
| olv10*  | 0.0 | 0.0 | 0.0 |
| olv11*  | 0.0 | 0.0 | 0.0 |
| olv12*  | 0.0 | 0.0 | 0.0 |
| olv13*  | 0.0 | 0.0 | 0.0 |
| olv14*  | 0.0 | 0.0 | 0.0 |
| olv15*  | 0.0 | 0.0 | 0.0 |
| olv16*  | 0.0 | 0.0 | 0.0 |
| olv17*  | 0.0 | 0.0 | 0.0 |
| olv18*  | 0.0 | 0.0 | 0.0 |
| olv19*  | 0.0 | 0.0 | 0.0 |
| olv20*  | 0.0 | 0.0 | 0.0 |
| olv21*  | 0.0 | 0.0 | 0.0 |
| olv22*  | 0.0 | 0.0 | 0.0 |
| olv23*  | 0.0 | 0.0 | 0.0 |
| olv24*  | 0.0 | 0.0 | 0.0 |
| olv25*  | 0.0 | 0.0 | 0.0 |
| olv26*  | 0.0 | 0.0 | 0.0 |
| olv27*  | 0.0 | 0.0 | 0.0 |
| olv28*  | 0.0 | 0.0 | 0.0 |
| olv29*  | 0.0 | 0.0 | 0.0 |
| olv30*  | 0.0 | 0.0 | 0.0 |
| olv31*  | 0.0 | 0.0 | 0.0 |
| olv32*  | 0.0 | 0.0 | 0.0 |
| olv33*  | 0.0 | 0.0 | 0.0 |
| olv34*  | 0.0 | 0.0 | 0.0 |
| olv35*  | 0.0 | 0.0 | 0.0 |
| olv36*  | 0.0 | 0.0 | 0.0 |
| olv37*  | 0.0 | 0.0 | 0.0 |
| olv38*  | 0.0 | 0.0 | 0.0 |
| olv39*  | 0.0 | 0.0 | 0.0 |
| olv40*  | 0.0 | 0.0 | 0.0 |
| olv41*  | 0.0 | 0.0 | 0.0 |
| olv42*  | 0.0 | 0.0 | 0.0 |
| olv43*  | 0.0 | 0.0 | 0.0 |
| olv44*  | 0.0 | 0.0 | 0.0 |
| olv45*  | 0.0 | 0.0 | 0.0 |
| olv46*  | 0.0 | 0.0 | 0.0 |
| olv47*  | 0.0 | 0.0 | 0.0 |
| olv48*  | 0.0 | 0.0 | 0.0 |
| olv49*  | 0.0 | 0.0 | 0.0 |
| olv50*  | 0.0 | 0.0 | 0.0 |
| olv51*  | 0.0 | 0.0 | 0.0 |
| olv52*  | 0.0 | 0.0 | 0.0 |
| olv53*  | 0.0 | 0.0 | 0.0 |
| olv54*  | 0.0 | 0.0 | 0.0 |
| olv55*  | 0.0 | 0.0 | 0.0 |
| olv56*  | 0.0 | 0.0 | 0.0 |
| olv57*  | 0.0 | 0.0 | 0.0 |
| olv58*  | 0.0 | 0.0 | 0.0 |
| olv59*  | 0.0 | 0.0 | 0.0 |
| olv60*  | 0.0 | 0.0 | 0.0 |
| olv61*  | 0.0 | 0.0 | 0.0 |
| olv62*  | 0.0 | 0.0 | 0.0 |
| olv63*  | 0.0 | 0.0 | 0.0 |
| olv64*  | 0.0 | 0.0 | 0.0 |
| olv65*  | 0.0 | 0.0 | 0.0 |
| olv66*  | 0.0 | 0.0 | 0.0 |
| olv67*  | 0.0 | 0.0 | 0.0 |
| olv68*  | 0.0 | 0.0 | 0.0 |
| olv69*  | 0.0 | 0.0 | 0.0 |
| olv70*  | 0.0 | 0.0 | 0.0 |
| olv71*  | 0.0 | 0.0 | 0.0 |
| olv72*  | 0.0 | 0.0 | 0.0 |
| olv73*  | 0.0 | 0.0 | 0.0 |
| olv74*  | 0.0 | 0.0 | 0.0 |
| olv75*  | 0.0 | 0.0 | 0.0 |
| olv76*  | 0.0 | 0.0 | 0.0 |
| olv77*  | 0.0 | 0.0 | 0.0 |
| olv78*  | 0.0 | 0.0 | 0.0 |
| olv79*  | 0.0 | 0.0 | 0.0 |
| olv80*  | 0.0 | 0.0 | 0.0 |
| olv81*  | 0.0 | 0.0 | 0.0 |
| olv82*  | 0.0 | 0.0 | 0.0 |
| olv83*  | 0.0 | 0.0 | 0.0 |
| olv84*  | 0.0 | 0.0 | 0.0 |
| olv85*  | 0.0 | 0.0 | 0.0 |
| olv86*  | 0.0 | 0.0 | 0.0 |
| olv87*  | 0.0 | 0.0 | 0.0 |
| olv88*  | 0.0 | 0.0 | 0.0 |
| olv89*  | 0.0 | 0.0 | 0.0 |
| olv90*  | 0.0 | 0.0 | 0.0 |
| olv91*  | 0.0 | 0.0 | 0.0 |
| olv92*  | 0.0 | 0.0 | 0.0 |
| olv93*  | 0.0 | 0.0 | 0.0 |
| olv94*  | 0.0 | 0.0 | 0.0 |
| olv95*  | 0.0 | 0.0 | 0.0 |
| olv96*  | 0.0 | 0.0 | 0.0 |
| olv97*  | 0.0 | 0.0 | 0.0 |
| olv98*  | 0.0 | 0.0 | 0.0 |
| olv99*  | 0.0 | 0.0 | 0.0 |
| olv100* | 0.0 | 0.0 | 0.0 |

relative Inform. Technology (IT)

|         |     |     |     |
|---------|-----|-----|-----|
| olv3*   | 0.0 | 0.0 | 0.0 |
| olv4*   | 0.0 | 0.0 | 0.0 |
| olv5*   | 0.0 | 0.0 | 0.0 |
| olv6*   | 0.0 | 0.0 | 0.0 |
| olv7*   | 0.0 | 0.0 | 0.0 |
| olv8*   | 0.0 | 0.0 | 0.0 |
| olv9*   | 0.0 | 0.0 | 0.0 |
| olv10*  | 0.0 | 0.0 | 0.0 |
| olv11*  | 0.0 | 0.0 | 0.0 |
| olv12*  | 0.0 | 0.0 | 0.0 |
| olv13*  | 0.0 | 0.0 | 0.0 |
| olv14*  | 0.0 | 0.0 | 0.0 |
| olv15*  | 0.0 | 0.0 | 0.0 |
| olv16*  | 0.0 | 0.0 | 0.0 |
| olv17*  | 0.0 | 0.0 | 0.0 |
| olv18*  | 0.0 | 0.0 | 0.0 |
| olv19*  | 0.0 | 0.0 | 0.0 |
| olv20*  | 0.0 | 0.0 | 0.0 |
| olv21*  | 0.0 | 0.0 | 0.0 |
| olv22*  | 0.0 | 0.0 | 0.0 |
| olv23*  | 0.0 | 0.0 | 0.0 |
| olv24*  | 0.0 | 0.0 | 0.0 |
| olv25*  | 0.0 | 0.0 | 0.0 |
| olv26*  | 0.0 | 0.0 | 0.0 |
| olv27*  | 0.0 | 0.0 | 0.0 |
| olv28*  | 0.0 | 0.0 | 0.0 |
| olv29*  | 0.0 | 0.0 | 0.0 |
| olv30*  | 0.0 | 0.0 | 0.0 |
| olv31*  | 0.0 | 0.0 | 0.0 |
| olv32*  | 0.0 | 0.0 | 0.0 |
| olv33*  | 0.0 | 0.0 | 0.0 |
| olv34*  | 0.0 | 0.0 | 0.0 |
| olv35*  | 0.0 | 0.0 | 0.0 |
| olv36*  | 0.0 | 0.0 | 0.0 |
| olv37*  | 0.0 | 0.0 | 0.0 |
| olv38*  | 0.0 | 0.0 | 0.0 |
| olv39*  | 0.0 | 0.0 | 0.0 |
| olv40*  | 0.0 | 0.0 | 0.0 |
| olv41*  | 0.0 | 0.0 | 0.0 |
| olv42*  | 0.0 | 0.0 | 0.0 |
| olv43*  | 0.0 | 0.0 | 0.0 |
| olv44*  | 0.0 | 0.0 | 0.0 |
| olv45*  | 0.0 | 0.0 | 0.0 |
| olv46*  | 0.0 | 0.0 | 0.0 |
| olv47*  | 0.0 | 0.0 | 0.0 |
| olv48*  | 0.0 | 0.0 | 0.0 |
| olv49*  | 0.0 | 0.0 | 0.0 |
| olv50*  | 0.0 | 0.0 | 0.0 |
| olv51*  | 0.0 | 0.0 | 0.0 |
| olv52*  | 0.0 | 0.0 | 0.0 |
| olv53*  | 0.0 | 0.0 | 0.0 |
| olv54*  | 0.0 | 0.0 | 0.0 |
| olv55*  | 0.0 | 0.0 | 0.0 |
| olv56*  | 0.0 | 0.0 | 0.0 |
| olv57*  | 0.0 | 0.0 | 0.0 |
| olv58*  | 0.0 | 0.0 | 0.0 |
| olv59*  | 0.0 | 0.0 | 0.0 |
| olv60*  | 0.0 | 0.0 | 0.0 |
| olv61*  | 0.0 | 0.0 | 0.0 |
| olv62*  | 0.0 | 0.0 | 0.0 |
| olv63*  | 0.0 | 0.0 | 0.0 |
| olv64*  | 0.0 | 0.0 | 0.0 |
| olv65*  | 0.0 | 0.0 | 0.0 |
| olv66*  | 0.0 | 0.0 | 0.0 |
| olv67*  | 0.0 | 0.0 | 0.0 |
| olv68*  | 0.0 | 0.0 | 0.0 |
| olv69*  | 0.0 | 0.0 | 0.0 |
| olv70*  | 0.0 | 0.0 | 0.0 |
| olv71*  | 0.0 | 0.0 | 0.0 |
| olv72*  | 0.0 | 0.0 | 0.0 |
| olv73*  | 0.0 | 0.0 | 0.0 |
| olv74*  | 0.0 | 0.0 | 0.0 |
| olv75*  | 0.0 | 0.0 | 0.0 |
| olv76*  | 0.0 | 0.0 | 0.0 |
| olv77*  | 0.0 | 0.0 | 0.0 |
| olv78*  | 0.0 | 0.0 | 0.0 |
| olv79*  | 0.0 | 0.0 | 0.0 |
| olv80*  | 0.0 | 0.0 | 0.0 |
| olv81*  | 0.0 | 0.0 | 0.0 |
| olv82*  | 0.0 | 0.0 | 0.0 |
| olv83*  | 0.0 | 0.0 | 0.0 |
| olv84*  | 0.0 | 0.0 | 0.0 |
| olv85*  | 0.0 | 0.0 | 0.0 |
| olv86*  | 0.0 | 0.0 | 0.0 |
| olv87*  | 0.0 | 0.0 | 0.0 |
| olv88*  | 0.0 | 0.0 | 0.0 |
| olv89*  | 0.0 | 0.0 | 0.0 |
| olv90*  | 0.0 | 0.0 | 0.0 |
| olv91*  | 0.0 | 0.0 | 0.0 |
| olv92*  | 0.0 | 0.0 | 0.0 |
| olv93*  | 0.0 | 0.0 | 0.0 |
| olv94*  | 0.0 | 0.0 | 0.0 |
| olv95*  | 0.0 | 0.0 | 0.0 |
| olv96*  | 0.0 | 0.0 | 0.0 |
| olv97*  | 0.0 | 0.0 | 0.0 |
| olv98*  | 0.0 | 0.0 | 0.0 |
| olv99*  | 0.0 | 0.0 | 0.0 |
| olv100* | 0.0 | 0.0 | 0.0 |

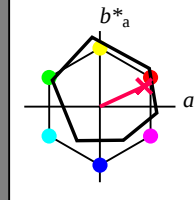
<



# Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18 für Buntton $h^* = lab^*h = 25/360 = 0.069$ $lab^*ch$ und $lab^*nch$

D65: Buntton R  
LCH\*Ma: 48 75 25  
olv\*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit  $t^*$



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 -0.98 4.75  
LAB\*LABa 95.41 0.0 0.0  
LAB\*LABb 95.41 0.0 0.0  
LAB\*LABc 95.41 0.0 0.0

relative CIELAB lab\*  
lab\*lab 1.0 0.0 0.0  
lab\*lab 0.0 0.0 0.0  
lab\*lab 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*lab 1.0 0.0 0.0  
lab\*lab 0.0 0.0 0.0  
lab\*lab 0.0 0.0 0.0  
lab\*lab 0.0 0.0 0.0

| ORS18; adaptierte CIELAB-Daten | L*=L <sub>a</sub> | a*     | b*    | C* <sub>ab,a</sub> | h* <sub>ab,a</sub> |
|--------------------------------|-------------------|--------|-------|--------------------|--------------------|
| O <sub>Ma</sub> 47.94          | 65.39             | 50.52  | 82.63 | 38                 |                    |
| Y <sub>Ma</sub> 90.37          | -10.26            | 91.75  | 92.32 | 96                 |                    |
| L <sub>Ma</sub> 50.9           | -62.83            | 34.96  | 71.91 | 151                |                    |
| C <sub>Ma</sub> 58.62          | -30.34            | -45.01 | 54.3  | 236                |                    |
| V <sub>Ma</sub> 25.72          | 31.1              | -44.4  | 54.22 | 305                |                    |
| M <sub>Ma</sub> 48.13          | 75.28             | -8.36  | 75.74 | 354                |                    |
| N <sub>Ma</sub> 18.01          | 0.0               | 0.0    | 0.0   | 0                  |                    |
| W <sub>Ma</sub> 95.41          | 0.0               | 0.0    | 0.0   | 0                  |                    |
| R <sub>CIE</sub> 39.92         | 58.66             | 26.98  | 64.57 | 25                 |                    |
| J <sub>CIE</sub> 81.26         | -2.16             | 67.76  | 67.79 | 92                 |                    |
| G <sub>CIE</sub> 52.23         | -42.25            | 11.76  | 43.87 | 164                |                    |
| B <sub>CIE</sub> 30.57         | 1.15              | -46.84 | 46.86 | 271                |                    |

%Regularität

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

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

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 76.06 -0.61 3.44  
LAB\*LABa 76.06 0.0 0.0  
LAB\*LABb 76.06 0.0 0.0  
LAB\*LABc 76.06 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.847 0.227 0.104  
lab\*lab 0.875 0.25 0.069  
lab\*lab 0.875 0.25 0.069  
lab\*lab 0.875 0.25 0.069  
relative Natural Colour (NC)  
lab\*lab 0.847 0.25 0.0  
lab\*lab 0.875 0.25 0.0  
lab\*lab 0.875 0.25 0.0  
lab\*lab 0.875 0.25 0.0

relative Inform. Technology (IT)  
olv3\* 1.0 0.5 0.661 (1.0)  
cmyn3\* 0.0 0.5 0.339 (0.0)  
olv4\* 1.0 0.5 0.661 (1.0)  
cmyn4\* 0.0 0.5 0.339 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 71.7 33.75 18.92  
LAB\*LABa 71.7 34.28 15.76  
LAB\*LABb 71.7 34.28 15.76  
LAB\*LABc 71.7 34.28 15.76

relative CIELAB lab\*  
lab\*lab 0.694 0.454 0.209  
lab\*lab 0.75 0.5 0.069  
lab\*lab 0.75 0.5 0.069  
lab\*lab 0.75 0.5 0.069  
relative Natural Colour (NC)  
lab\*lab 0.694 0.5 0.0  
lab\*lab 0.75 0.5 0.0  
lab\*lab 0.75 0.5 0.0  
lab\*lab 0.75 0.5 0.0

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 56.71 -0.24 2.14  
LAB\*LABa 56.71 0.0 0.0  
LAB\*LABb 56.71 0.0 0.0  
LAB\*LABc 56.71 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.597 0.227 0.104  
lab\*lab 0.625 0.25 0.069  
lab\*lab 0.625 0.25 0.069  
lab\*lab 0.625 0.25 0.069  
relative Natural Colour (NC)  
lab\*lab 0.597 0.25 0.0  
lab\*lab 0.625 0.25 0.0  
lab\*lab 0.625 0.25 0.0  
lab\*lab 0.625 0.25 0.0

relative Inform. Technology (IT)  
olv3\* 0.75 0.25 0.411 (1.0)  
cmyn3\* 0.25 0.75 0.589 (0.0)  
olv4\* 1.0 0.5 0.661 (1.0)  
cmyn4\* 0.0 0.5 0.339 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 52.36 34.28 15.77  
LAB\*LABa 52.36 34.28 15.77  
LAB\*LABb 52.36 34.28 15.77  
LAB\*LABc 52.36 34.28 15.77

relative CIELAB lab\*  
lab\*lab 0.541 0.681 0.313  
lab\*lab 0.625 0.75 0.069  
lab\*lab 0.625 0.75 0.069  
lab\*lab 0.625 0.75 0.069  
relative Natural Colour (NC)  
lab\*lab 0.541 0.75 0.0  
lab\*lab 0.625 0.75 0.0  
lab\*lab 0.625 0.75 0.0  
lab\*lab 0.625 0.75 0.0

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 37.36 -0.13 0.63  
LAB\*LABa 37.36 0.0 0.0  
LAB\*LABb 37.36 0.0 0.0  
LAB\*LABc 37.36 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.347 0.227 0.104  
lab\*lab 0.375 0.25 0.069  
lab\*lab 0.375 0.25 0.069  
lab\*lab 0.375 0.25 0.069  
relative Natural Colour (NC)  
lab\*lab 0.347 0.25 0.0  
lab\*lab 0.375 0.25 0.0  
lab\*lab 0.375 0.25 0.0  
lab\*lab 0.375 0.25 0.0

relative Inform. Technology (IT)  
olv3\* 0.5 0.0 0.181 (1.0)  
cmyn3\* 0.5 1.0 0.839 (0.0)  
olv4\* 1.0 0.5 0.661 (1.0)  
cmyn4\* 0.0 0.5 0.339 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 33.01 34.28 15.77  
LAB\*LABa 33.01 34.28 15.77  
LAB\*LABb 33.01 34.28 15.77  
LAB\*LABc 33.01 34.28 15.77

relative CIELAB lab\*  
lab\*lab 0.291 0.681 0.313  
lab\*lab 0.375 0.75 0.069  
lab\*lab 0.375 0.75 0.069  
lab\*lab 0.375 0.75 0.069  
relative Natural Colour (NC)  
lab\*lab 0.291 0.75 0.0  
lab\*lab 0.375 0.75 0.0  
lab\*lab 0.375 0.75 0.0  
lab\*lab 0.375 0.75 0.0

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 1.0 1.0 (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 18.02 18.02 0.47  
LAB\*LABa 18.02 0.0 0.0  
LAB\*LABb 18.02 0.0 0.0  
LAB\*LABc 18.02 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.097 0.227 0.104  
lab\*lab 0.125 0.25 0.069  
lab\*lab 0.125 0.25 0.069  
lab\*lab 0.125 0.25 0.069  
relative Natural Colour (NC)  
lab\*lab 0.097 0.25 0.0  
lab\*lab 0.125 0.25 0.0  
lab\*lab 0.125 0.25 0.0  
lab\*lab 0.125 0.25 0.0

relative Inform. Technology (IT)  
olv3\* 0.25 0.0 0.181 (1.0)  
cmyn3\* 0.75 1.0 0.839 (0.0)  
olv4\* 1.0 0.5 0.661 (1.0)  
cmyn4\* 0.0 0.5 0.339 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 25.51 34.28 15.77  
LAB\*LABa 25.51 34.28 15.77  
LAB\*LABb 25.51 34.28 15.77  
LAB\*LABc 25.51 34.28 15.77

relative CIELAB lab\*  
lab\*lab 0.194 0.454 0.209  
lab\*lab 0.25 0.5 0.069  
lab\*lab 0.25 0.5 0.069  
lab\*lab 0.25 0.5 0.069  
relative Natural Colour (NC)  
lab\*lab 0.194 0.5 0.0  
lab\*lab 0.25 0.5 0.0  
lab\*lab 0.25 0.5 0.0  
lab\*lab 0.25 0.5 0.0

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 1.0 1.0 (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 18.02 18.02 0.47  
LAB\*LABa 18.02 0.0 0.0  
LAB\*LABb 18.02 0.0 0.0  
LAB\*LABc 18.02 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.097 0.227 0.104  
lab\*lab 0.125 0.25 0.069  
lab\*lab 0.125 0.25 0.069  
lab\*lab 0.125 0.25 0.069  
relative Natural Colour (NC)  
lab\*lab 0.097 0.25 0.0  
lab\*lab 0.125 0.25 0.0  
lab\*lab 0.125 0.25 0.0  
lab\*lab 0.125 0.25 0.0

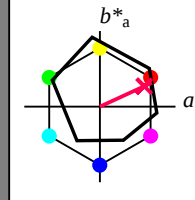
relative Inform. Technology (IT)  
olv3\* 0.25 0.0 0.181 (1.0)  
cmyn3\* 0.75 1.0 0.839 (0.0)  
olv4\* 1.0 0.5 0.661 (1.0)  
cmyn4\* 0.0 0.5 0.339 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 25.51 34.28 15.77  
LAB\*LABa 25.51 34.28 15.77  
LAB\*LABb 25.51 34.28 15.77  
LAB\*LABc 25.51 34.28 15.77

relative CIELAB lab\*  
lab\*lab 0.194 0.454 0.209  
lab\*lab 0.25 0.5 0.069  
lab\*lab 0.25 0.5 0.069  
lab\*lab 0.25 0.5 0.069  
relative Natural Colour (NC)  
lab\*lab 0.194 0.5 0.0  
lab\*lab 0.25 0.5 0.0  
lab\*lab 0.25 0.5 0.0  
lab\*lab 0.25 0.5 0.0

# Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18 für Buntton $h^* = lab^*h = 25/360 = 0.069$ $lab^*ch$ und $lab^*nch$

D65: Buntton R  
LCH\*Ma: 48 75 25  
olv\*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit  $t^*$



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 -0.98 4.75  
LAB\*LABa 95.41 0.0 0.0  
LAB\*LABb 95.41 0.0 0.0  
LAB\*LABc 95.41 0.0 0.0

relative CIELAB lab\*  
lab\*lab 1.0 0.0 0.0  
lab\*lab 0.0 0.0 0.0  
lab\*lab 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*lab 1.0 0.0 0.0  
lab\*lab 0.0 0.0 0.0  
lab\*lab 0.0 0.0 0.0  
lab\*lab 0.0 0.0 0.0

| ORS18; adaptierte CIELAB-Daten | L*=L <sub>a</sub> | a*     | b*    | C* <sub>ab,a</sub> | h* <sub>ab,a</sub> |
|--------------------------------|-------------------|--------|-------|--------------------|--------------------|
| O <sub>Ma</sub> 47.94          | 65.39             | 50.52  | 82.63 | 38                 |                    |
| Y <sub>Ma</sub> 90.37          | -10.26            | 91.75  | 92.32 | 96                 |                    |
| L <sub>Ma</sub> 50.9           | -62.83            | 34.96  | 71.91 | 151                |                    |
| C <sub>Ma</sub> 58.62          | -30.34            | -45.01 | 54.3  | 236                |                    |
| V <sub>Ma</sub> 25.72          | 31.1              | -44.4  | 54.22 | 305                |                    |
| M <sub>Ma</sub> 48.13          | 75.28             | -8.36  | 75.74 | 354                |                    |
| N <sub>Ma</sub> 18.01          | 0.0               | 0.0    | 0.0   | 0                  |                    |
| W <sub>Ma</sub> 95.41          | 0.0               | 0.0    | 0.0   | 0                  |                    |
| R <sub>CIE</sub> 39.92         | 58.66             | 26.98  | 64.57 | 25                 |                    |
| J <sub>CIE</sub> 81.26         | -2.16             | 67.76  | 67.79 | 92                 |                    |
| G <sub>CIE</sub> 52.23         | -42.25            | 11.76  | 43.87 | 164                |                    |
| B <sub>CIE</sub> 30.57         | 1.15              | -46.84 | 46.86 | 271                |                    |

%Regularität

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

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

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 76.06 -0.61 3.44  
LAB\*LABa 76.06 0.0 0.0  
LAB\*LABb 76.06 0.0 0.0  
LAB\*LABc 76.06 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.847 0.227 0.104  
lab\*lab 0.875 0.25 0.069  
lab\*lab 0.875 0.25 0.069  
lab\*lab 0.875 0.25 0.069  
relative Natural Colour (NC)  
lab\*lab 0.847 0.25 0.0  
lab\*lab 0.875 0.25 0.0  
lab\*lab 0.875 0.25 0.0  
lab\*lab 0.875 0.25 0.0

relative Inform. Technology (IT)  
olv3\* 1.0 0.5 0.661 (1.0)  
cmyn3\* 0.0 0.5 0.339 (0.0)  
olv4\* 1.0 0.5 0.661 (1.0)  
cmyn4\* 0.0 0.5 0.339 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 71.7 33.75 18.92  
LAB\*LABa 71.7 34.28 15.76  
LAB\*LABb 71.7 34.28 15.76  
LAB\*LABc 71.7 34.28 15.76

relative CIELAB lab\*  
lab\*lab 0.694 0.454 0.209  
lab\*lab 0.75 0.5 0.069  
lab\*lab 0.75 0.5 0.069  
lab\*lab 0.75 0.5 0.069  
relative Natural Colour (NC)  
lab\*lab 0.694 0.5 0.0  
lab\*lab 0.75 0.5 0.0  
lab\*lab 0.75 0.5 0.0  
lab\*lab 0.75 0.5 0.0

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 56.71 -0.24 2.14  
LAB\*LABa 56.71 0.0 0.0  
LAB\*LABb 56.71 0.0 0.0  
LAB\*LABc 56.71 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.597 0.227 0.104  
lab\*lab 0.625 0.25 0.069  
lab\*lab 0.625 0.25 0.069  
lab\*lab 0.625 0.25 0.069  
relative Natural Colour (NC)  
lab\*lab 0.597 0.25 0.0  
lab\*lab 0.625 0.25 0.0  
lab\*lab 0.625 0.25 0.0  
lab\*lab 0.625 0.25 0.0

relative Inform. Technology (IT)  
olv3\* 0.75 0.25 0.411 (1.0)  
cmyn3\* 0.25 0.75 0.589 (0.0)  
olv4\* 1.0 0.5 0.661 (1.0)  
cmyn4\* 0.0 0.5 0.339 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 52.36 34.28 15.77  
LAB\*LABa 52.36 34.28 15.77  
LAB\*LABb 52.36 34.28 15.77  
LAB\*LABc 52.36 34.28 15.77

relative CIELAB lab\*  
lab\*lab 0.541 0.681 0.313  
lab\*lab 0.625 0.75 0.069  
lab\*lab 0.625 0.75 0.069  
lab\*lab 0.625 0.75 0.069  
relative Natural Colour (NC)  
lab\*lab 0.541 0.75 0.0  
lab\*lab 0.625 0.75 0.0  
lab\*lab 0.625 0.75 0.0  
lab\*lab 0.625 0.75 0.0

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 37.36 -0.13 0.63  
LAB\*LABa 37.36 0.0 0.0  
LAB\*LABb 37.36 0.0 0.0  
LAB\*LABc 37.36 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.347 0.227 0.104  
lab\*lab 0.375 0.25 0.069  
lab\*lab 0.375 0.25 0.069  
lab\*lab 0.375 0.25 0.069  
relative Natural Colour (NC)  
lab\*lab 0.347 0.25 0.0  
lab\*lab 0.375 0.25 0.0  
lab\*lab 0.375 0.25 0.0  
lab\*lab 0.375 0.25 0.0

relative Inform. Technology (IT)  
olv3\* 0.5 0.0 0.181 (1.0)  
cmyn3\* 0.5 1.0 0.839 (0.0)  
olv4\* 1.0 0.5 0.661 (1.0)  
cmyn4\* 0.0 0.5 0.339 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 33.01 34.28 15.77  
LAB\*LABa 33.01 34.28 15.77  
LAB\*LABb 33.01 34.28 15.77  
LAB\*LABc 33.01 34.28 15.77

relative CIELAB lab\*  
lab\*lab 0.291 0.681 0.313  
lab\*lab 0.375 0.75 0.069  
lab\*lab 0.375 0.75 0.069  
lab\*lab 0.375 0.75 0.069  
relative Natural Colour (NC)  
lab\*lab 0.291 0.75 0.0  
lab\*lab 0.375 0.75 0.0  
lab\*lab 0.375 0.75 0.0  
lab\*lab 0.375 0.75 0.0

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 1.0 1.0 (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 18.02 18.02 0.47  
LAB\*LABa 18.02 0.0 0.0  
LAB\*LABb 18.02 0.0 0.0  
LAB\*LABc 18.02 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.097 0.227 0.104  
lab\*lab 0.125 0.25 0.069  
lab\*lab 0.125 0.25 0.069  
lab\*lab 0.125 0.25 0.069  
relative Natural Colour (NC)  
lab\*lab 0.097 0.25 0.0  
lab\*lab 0.125 0.25 0.0  
lab\*lab 0.125 0.25 0.0  
lab\*lab 0.125 0.25 0.0

relative Inform. Technology (IT)  
olv3\* 0.25 0.0 0.181 (1.0)  
cmyn3\* 0.75 1.0 0.839 (0.0)  
olv4\* 1.0 0.5 0.661 (1.0)  
cmyn4\* 0.0 0.5 0.339 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 25.51 34.28 15.77  
LAB\*LABa 25.51 34.28 15.77  
LAB\*LABb 25.51 34.28 15.77  
LAB\*LABc 25.51 34.28 15.77

relative CIELAB lab\*  
lab\*lab 0.194 0.454 0.209  
lab\*lab 0.25 0.5 0.069  
lab\*lab 0.25 0.5 0.069  
lab\*lab 0.25 0.5 0.069  
relative Natural Colour (NC)  
lab\*lab 0.194 0.5 0.0  
lab\*lab 0.25 0.5 0.0  
lab\*lab 0.25 0.5 0.0  
lab\*lab 0.25 0.5 0.0

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 1.0 1.0 (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 18.02 18.02 0.47  
LAB\*LABa 18.02 0.0 0.0  
LAB\*LABb 18.02 0.0 0.0  
LAB\*LABc 18.02 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.097 0.227 0.104  
lab\*lab 0.125 0.25 0.069  
lab\*lab 0.125 0.25 0.069  
lab\*lab 0.125 0.25 0.069  
relative Natural Colour (NC)  
lab\*lab 0.097 0.25 0.0  
lab\*lab 0.125 0.25 0.0  
lab\*lab 0.125 0.25 0.0  
lab\*lab 0.125 0.25 0.0

relative Inform. Technology (IT)  
olv3\* 0.25 0.0 0.181 (1.0)  
cmyn3\* 0.75 1.0 0.839 (0.0)  
olv4\* 1.0 0.5 0.661 (1.0)  
cmyn4\* 0.0 0.5 0.339 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 25.51 34.28 15.77  
LAB\*LABa 25.51 34.28 15.77  
LAB\*LABb 25.51 34.28 15.77  
LAB\*LABc 25.51 34.28 15.77

relative CIELAB lab\*  
lab\*lab 0.194 0.454 0.209  
lab\*lab 0.25 0.5 0.

## Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton  $h^* = lab^*h = 92/360 = 0.255$

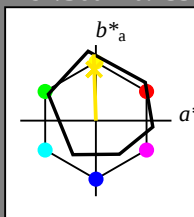
$lab^*ich$  und  $lab^*nch$

D65: Buntton J

LCH\*Ma: 86 88 92

olv\*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit  $t^*$



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 -0.98 4.75  
LAB\*LABa 95.41 0.0 0.0  
LAB\*LABb 99.99 0.01 0.0

relative CIELAB lab\*

lab\*lab 1.0 0.0 0.0  
lab\*ich 1.0 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*lab 1.0 0.0 0.0  
lab\*ich 1.0 0.0 0.0  
lab\*nch 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 76.06 -0.61 3.44  
LAB\*LABa 76.06 0.0 0.0  
LAB\*LABb 75.00 0.01 0.0

relative CIELAB lab\*

lab\*lab 0.75 0.0 0.0  
lab\*ich 0.75 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*lab 0.75 0.0 0.0  
lab\*ich 0.75 0.0 0.0  
lab\*nch 0.0 0.0 0.0

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 56.71 -0.24 2.14  
LAB\*LABa 56.71 0.0 0.0  
LAB\*LABb 50.00 0.01 0.0

relative CIELAB lab\*

lab\*lab 0.5 0.0 0.0  
lab\*ich 0.5 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*lab 0.5 0.0 0.0  
lab\*ich 0.5 0.0 0.0  
lab\*nch 0.0 0.0 0.0

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 37.36 0.13 0.83  
LAB\*LABa 37.36 0.0 0.0  
LAB\*LABb 25.00 0.01 0.0

relative CIELAB lab\*

lab\*lab 0.25 0.0 0.0  
lab\*ich 0.25 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*lab 0.25 0.0 0.0  
lab\*ich 0.25 0.0 0.0  
lab\*nch 0.0 0.0 0.0

relative Inform. Technology (IT)

olv3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 1.0 1.0 (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 18.02 0.0 0.47  
LAB\*LABa 18.02 0.0 0.0  
LAB\*LABb 0.01 0.01 0.0

relative CIELAB lab\*

lab\*lab 0.0 0.0 0.0  
lab\*ich 0.0 0.0 0.0  
lab\*nch 1.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*lab 0.0 0.0 0.0  
lab\*ich 0.0 0.0 0.0  
lab\*nch 1.0 0.0 0.0

relative Inform. Technology (IT)

olv3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 1.0 1.0 (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 18.02 0.0 0.47  
LAB\*LABa 18.02 0.0 0.0  
LAB\*LABb 0.01 0.01 0.0

relative CIELAB lab\*

lab\*lab 0.0 0.0 0.0  
lab\*ich 0.0 0.0 0.0  
lab\*nch 1.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*lab 0.0 0.0 0.0  
lab\*ich 0.0 0.0 0.0  
lab\*nch 1.0 0.0 0.0

## ORS18; adaptierte CIELAB-Daten

|                  | $L^*=L_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-----------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 47.94     | 65.39   | 50.52   | 82.63        | 38           |
| Y <sub>Ma</sub>  | 90.37     | -10.26  | 91.75   | 92.32        | 96           |
| L <sub>Ma</sub>  | 50.9      | -62.83  | 34.96   | 71.91        | 151          |
| C <sub>Ma</sub>  | 58.62     | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>Ma</sub>  | 25.72     | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>Ma</sub>  | 48.13     | 75.28   | -8.36   | 75.74        | 354          |
| N <sub>Ma</sub>  | 18.01     | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 95.41     | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub> | 39.92     | 58.66   | 26.98   | 64.57        | 25           |
| J <sub>CIE</sub> | 81.26     | -2.16   | 67.76   | 67.79        | 92           |
| G <sub>CIE</sub> | 52.23     | -42.25  | 11.76   | 43.87        | 164          |
| B <sub>CIE</sub> | 30.57     | 1.15    | -46.84  | 46.86        | 271          |

%Regularität

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

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

relative Inform. Technology (IT)

olv3\* 1.0 0.951 0.5 (1.0)  
cmyn3\* 0.0 0.049 0.5 (0.0)  
olv4\* 1.0 0.951 0.5 (1.0)  
cmyn4\* 0.0 0.049 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 90.8 -2.3 48.29  
LAB\*LABa 90.8 -1.4 43.84  
LAB\*LABb 87.5 21.93 91.85

relative CIELAB lab\*

lab\*lab 0.94 -0.015 0.5  
lab\*ich 0.75 0.0 0.255  
lab\*nch 0.0 0.5 0.255  
relative Natural Colour (NC)  
lab\*lab 0.94 0.0 0.5  
lab\*ich 0.75 0.0 0.255  
lab\*nch 0.0 0.5 0.255

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 0.951 0.5 (1.0)  
cmyn4\* 0.0 0.049 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 71.45 -1.92 46.98  
LAB\*LABa 71.45 -1.4 43.84  
LAB\*LABb 62.5 21.93 91.84

relative CIELAB lab\*

lab\*lab 0.75 0.0 0.255  
lab\*ich 0.625 0.25 0.255  
lab\*nch 0.0 0.75 0.255  
relative Natural Colour (NC)  
lab\*lab 0.75 0.0 0.255  
lab\*ich 0.625 0.25 0.255  
lab\*nch 0.0 0.75 0.255

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 0.951 0.5 (1.0)  
cmyn4\* 0.0 0.049 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 56.71 -0.24 2.14  
LAB\*LABa 56.71 0.0 0.0  
LAB\*LABb 50.0 0.01 0.0

relative CIELAB lab\*

lab\*lab 0.5 0.0 0.255  
lab\*ich 0.5 0.0 0.255  
lab\*nch 0.0 0.5 0.255  
relative Natural Colour (NC)  
lab\*lab 0.5 0.0 0.255  
lab\*ich 0.5 0.0 0.255  
lab\*nch 0.0 0.5 0.255

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 0.951 0.5 (1.0)  
cmyn4\* 0.0 0.049 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 37.36 0.13 0.83  
LAB\*LABa 37.36 0.0 0.0  
LAB\*LABb 25.0 0.01 0.0

relative CIELAB lab\*

lab\*lab 0.25 0.0 0.255  
lab\*ich 0.25 0.0 0.255  
lab\*nch 0.0 0.5 0.255  
relative Natural Colour (NC)  
lab\*lab 0.25 0.0 0.255  
lab\*ich 0.25 0.0 0.255  
lab\*nch 0.0 0.5 0.255

relative Inform. Technology (IT)

olv3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 1.0 1.0 (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 18.02 0.0 0.47  
LAB\*LABa 18.02 0.0 0.0  
LAB\*LABb 0.01 0.01 0.0

relative CIELAB lab\*

lab\*lab 0.0 0.0 0.0  
lab\*ich 0.0 0.0 0.0  
lab\*nch 1.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*lab 0.0 0.0 0.0  
lab\*ich 0.0 0.0 0.0  
lab\*nch 1.0 0.0 0.0

## Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton  $h^* = lab^*h = 92/360 = 0.255$

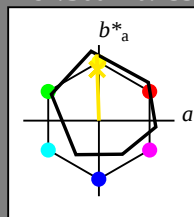
$lab^*ich$  und  $lab^*nch$

D65: Buntton J

LCH\*Ma: 86 88 92

olv\*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit  $t^*$



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 -0.98 4.75  
LAB\*LABa 95.41 0.0 0.0  
LAB\*LABb 99.99 0.01 0.0

relative CIELAB lab\*

lab\*lab 1.0 0.0 0.0  
lab\*ich 1.0 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*lab 1.0 0.0 0.0  
lab\*ich 1.0 0.0 0.0  
lab\*nch 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 76.06 -0.61 3.44  
LAB\*LABa 76.06 0.0 0.0  
LAB\*LABb 75.00 0.01 0.0

relative CIELAB lab\*

lab\*lab 0.75 0.0 0.0  
lab\*ich 0.75 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*lab 0.75 0.0 0.0  
lab\*ich 0.75 0.0 0.0  
lab\*nch 0.0 0.0 0.0

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 56.71 -0.24 2.14  
LAB\*LABa 56.71 0.0 0.0  
LAB\*LABb 50.00 0.01 0.0

relative CIELAB lab\*

lab\*lab 0.5 0.0 0.0  
lab\*ich 0.5 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*lab 0.5 0.0 0.0  
lab\*ich 0.5 0.0 0.0  
lab\*nch 0.0 0.0 0.0

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 37.36 0.13 0.83  
LAB\*LABa 37.36 0.0 0.0  
LAB\*LABb 25.00 0.01 0.0

relative CIELAB lab\*

lab\*lab 0.25 0.0 0.0  
lab\*ich 0.25 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*lab 0.25 0.0 0.0  
lab\*ich 0.25 0.0 0.0  
lab\*nch 0.0 0.0 0.0

relative Inform. Technology (IT)

olv3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 1.0 1.0 (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 18.02 0.0 0.47  
LAB\*LABa 18.02 0.0 0.0  
LAB\*LABb 0.01 0.01 0.0

relative CIELAB lab\*

lab\*lab 0.0 0.0 0.0  
lab\*ich 0.0 0.0 0.0  
lab\*nch 1.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*lab 0.0 0.0 0.0  
lab\*ich 0.0 0.0 0.0  
lab\*nch 1.0 0.0 0.0

relative Inform. Technology (IT)

olv3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 1.0 1.0 (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 18.02 0.0 0.47  
LAB\*LABa 18.02 0.0 0.0  
LAB\*LABb 0.01 0.01 0.0

relative CIELAB lab\*

lab\*lab 0.0 0.0 0.0  
lab\*ich 0.0 0.0 0.0  
lab\*nch 1.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*lab 0.0 0.0 0.0  
lab\*ich 0.0 0.0 0.0  
lab\*nch 1.0 0.0 0.0

## ORS18; adaptierte CIELAB-Daten

|                  | $L^*=L_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-----------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 47.94     | 65.39   | 50.52   | 82.63        | 38           |
| Y <sub>Ma</sub>  | 90.37     | -10.26  | 91.75   | 92.32        | 96           |
| L <sub>Ma</sub>  | 50.9      | -62.83  | 34.96   | 71.91        | 151          |
| C <sub>Ma</sub>  | 58.62     | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>Ma</sub>  | 25.72     | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>Ma</sub>  | 48.13     | 75.28   | -8.36   | 75.74        | 354          |
| N <sub>Ma</sub>  | 18.01     | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 95.41     | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub> | 39.92     | 58.66   | 26.98   | 64.57        | 25           |
| J <sub>CIE</sub> | 81.26     | -2.16   | 67.76   | 67.79        | 92           |
| G <sub>CIE</sub> | 52.23     | -42.25  | 11.76   | 43.87        | 164          |
| B <sub>CIE</sub> | 30.57     | 1.15    | -46.84  | 46.86        | 271          |

%Regularität

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

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

relative Inform. Technology (IT)

olv3\* 1.0 0.951 0.5 (1.0)  
cmyn3\* 0.0 0.049 0.5 (0.0)  
olv4\* 1.0 0.951 0.5 (1.0)  
cmyn4\* 0.0 0.049 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 90.8 -2.3 48.29  
LAB\*LABa 90.8 -1.4 43.84  
LAB\*LABb 87.5 21.93 91.85

relative CIELAB lab\*

lab\*lab 0.94 -0.015 0.5  
lab\*ich 0.75 0.0 0.255  
lab\*nch 0.0 0.5 0.255  
relative Natural Colour (NC)  
lab\*lab 0.94 0.0 0.5  
lab\*ich 0.75 0.0 0.255  
lab\*nch 0.0 0.5 0.255

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 0.951 0.5 (1.0)  
cmyn4\* 0.0 0.049 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 71.45 -1.92 46.98  
LAB\*LABa 71.45 -1.4 43.84  
LAB\*LABb 62.5 21.93 91.84

relative CIELAB lab\*

lab\*lab 0.75 0.0 0.255  
lab\*ich 0.625 0.25 0.255  
lab\*nch 0.0 0.75 0.255  
relative Natural Colour (NC)  
lab\*lab 0.75 0.0 0.255  
lab\*ich 0.625 0.25 0.255  
lab\*nch 0.0 0.75 0.255

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 0.951 0.5 (1.0)  
cmyn4\* 0.0 0.049 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 56.71 -0.24 2.14  
LAB\*LABa 56.71 0.0 0.0  
LAB\*LABb 50.0 0.01 0.0

relative CIELAB lab\*

lab\*lab 0.5 0.0 0.255  
lab\*ich 0.5 0.0 0.255  
lab\*nch 0.0 0.5 0.255  
relative Natural Colour (NC)  
lab\*lab 0.5 0.0 0.255  
lab\*ich 0.5 0.0 0.255  
lab\*nch 0.0 0.5 0.255

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 0.951 0.5 (1.0)  
cmyn4\* 0.0 0.049 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 37.36 0.13 0.83  
LAB\*LABa 37.36 0.0 0.0  
LAB\*LABb 25.0 0.01 0.0

relative CIELAB lab\*

lab\*lab 0.25 0.0 0.255  
lab\*ich 0.25 0.0 0.255  
lab\*nch 0.0 0.5 0.255  
relative Natural Colour (NC)  
lab\*lab 0.25 0.0 0.255  
lab\*ich 0.25 0.0 0.255  
lab\*nch 0.0 0.5 0.255

relative Inform. Technology (IT)

olv3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 1.0 1.0 (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 18.02 0.0 0.47  
LAB\*LABa 18.02 0.0 0.0  
LAB\*LABb 0.01 0.01 0.0

relative CIELAB lab\*

lab\*lab 0.0 0.0 0.0  
lab\*ich 0.0 0.0 0.0  
lab\*nch 1.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*lab 0.0 0.0 0.0  
lab\*ich 0.0 0.0 0.0  
lab\*nch 1.0 0.0 0.0

NG540-7, 5 stufige Reihen für konstanten CIELAB

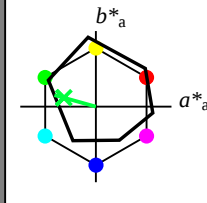
## Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton  $h^* = lab^*h = 164/360 = 0.457$

$lab^*ich$  und  $lab^*nch$

D65: Buntton G  
LCH\*Ma: 53 57 164  
olv\*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 93$

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\*LAB 95.41 0.0 0.0  
LAB\*LAB 95.41 0.0 0.0

relative CIELAB lab\*  
lab\*lab 1.0 0.0 0.0  
lab\*lab 1.0 0.0 0.0  
lab\*lab 1.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*lab 1.0 0.0 0.0  
lab\*lab 1.0 0.0 0.0  
lab\*lab 1.0 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 76.06 -0.61 3.44  
LAB\*LAB 76.06 0.0 0.0  
LAB\*LAB 76.06 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.75 0.0 0.0  
lab\*lab 0.75 0.0 0.0  
lab\*lab 0.75 0.0 0.0  
relative Natural Colour (NC)  
lab\*lab 0.75 0.0 0.0  
lab\*lab 0.75 0.0 0.0  
lab\*lab 0.75 0.0 0.0

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 56.71 -0.24 2.14  
LAB\*LAB 56.71 0.0 0.0  
LAB\*LAB 56.71 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.5 0.0 0.0  
lab\*lab 0.5 0.0 0.0  
lab\*lab 0.5 0.0 0.0  
relative Natural Colour (NC)  
lab\*lab 0.5 0.0 0.0  
lab\*lab 0.5 0.0 0.0  
lab\*lab 0.5 0.0 0.0

relative Inform. Technology (IT)  
olv3\* 0.25 0.25 0.25 (1.0)  
cmyn3\* 0.75 0.75 0.75 (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 37.36 -0.13 0.63  
LAB\*LAB 37.36 0.0 0.0  
LAB\*LAB 37.36 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.25 0.0 0.0  
lab\*lab 0.25 0.0 0.0  
lab\*lab 0.25 0.0 0.0  
relative Natural Colour (NC)  
lab\*lab 0.25 0.0 0.0  
lab\*lab 0.25 0.0 0.0  
lab\*lab 0.25 0.0 0.0

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 1.0 1.0 (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 18.02 0.0 0.47  
LAB\*LAB 18.02 0.0 0.0  
LAB\*LAB 18.02 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*lab 0.0 0.0 0.0  
lab\*lab 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*lab 0.0 0.0 0.0  
lab\*lab 0.0 0.0 0.0  
lab\*lab 0.0 0.0 0.0

$n^* = 1.0$

## ORS18; adaptierte CIELAB-Daten

|                  | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|---------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 47.94         | 65.39   | 50.52   | 82.63        | 38           |
| Y <sub>Ma</sub>  | 90.37         | -10.26  | 91.75   | 92.32        | 96           |
| L <sub>Ma</sub>  | 50.9          | -62.83  | 34.96   | 71.91        | 151          |
| C <sub>Ma</sub>  | 58.62         | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>Ma</sub>  | 25.72         | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>Ma</sub>  | 48.13         | 75.28   | -8.36   | 75.74        | 354          |
| N <sub>Ma</sub>  | 18.01         | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 95.41         | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub> | 39.92         | 58.66   | 26.98   | 64.57        | 25           |
| J <sub>CIE</sub> | 81.26         | -2.16   | 67.76   | 67.79        | 92           |
| G <sub>CIE</sub> | 52.23         | -42.25  | 11.76   | 43.87        | 164          |
| B <sub>CIE</sub> | 30.57         | 1.15    | -46.84  | 46.86        | 271          |

%Regularität

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

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

relative Inform. Technology (IT)  
olv3\* 0.5 1.0 0.5 (1.0)  
cmyn3\* 0.5 0.0 0.5 (0.0)  
olv4\* 0.5 1.0 0.5 (1.0)  
cmyn4\* 0.5 0.0 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 74.1 -27.98 10.94  
LAB\*LAB 74.1 -27.98 10.94  
LAB\*LAB 74.1 -27.98 10.94

relative CIELAB lab\*  
lab\*lab 0.75 -0.481 0.134  
lab\*lab 0.75 0.0 0.0  
lab\*lab 0.75 0.0 0.0  
relative Natural Colour (NC)  
lab\*lab 0.75 -0.481 0.134  
lab\*lab 0.75 0.0 0.0  
lab\*lab 0.75 0.0 0.0

relative Inform. Technology (IT)  
olv3\* 0.25 0.5 0.25 (1.0)  
cmyn3\* 0.75 0.25 0.25 (0.0)  
olv4\* 0.5 1.0 0.5 (1.0)  
cmyn4\* 0.5 0.0 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 54.76 -27.61 9.64  
LAB\*LAB 54.76 -27.61 9.64  
LAB\*LAB 54.76 -27.61 9.64

relative CIELAB lab\*  
lab\*lab 0.475 -0.499 0.0  
lab\*lab 0.475 0.0 0.0  
lab\*lab 0.475 0.0 0.0  
relative Natural Colour (NC)  
lab\*lab 0.475 -0.499 0.0  
lab\*lab 0.475 0.0 0.0  
lab\*lab 0.475 0.0 0.0

relative Inform. Technology (IT)  
olv3\* 0.0 0.75 0.188 (1.0)  
cmyn3\* 1.0 0.5 0.877 (0.0)  
olv4\* 0.5 1.0 0.5 (1.0)  
cmyn4\* 0.5 0.0 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 35.41 -27.24 7.63  
LAB\*LAB 35.41 -27.24 7.63  
LAB\*LAB 35.41 -27.24 7.63

relative CIELAB lab\*  
lab\*lab 0.337 -0.721 0.201  
lab\*lab 0.337 0.5 0.457  
lab\*lab 0.337 0.5 0.457  
relative Natural Colour (NC)  
lab\*lab 0.337 -0.721 0.201  
lab\*lab 0.337 0.5 0.457  
lab\*lab 0.337 0.5 0.457

relative Inform. Technology (IT)  
olv3\* 0.0 0.5 0.877 (0.0)  
cmyn3\* 1.0 0.5 0.877 (0.0)  
olv4\* 0.5 1.0 0.5 (1.0)  
cmyn4\* 0.5 0.0 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 35.41 -27.24 7.63  
LAB\*LAB 35.41 -27.24 7.63  
LAB\*LAB 35.41 -27.24 7.63

relative CIELAB lab\*  
lab\*lab 0.225 -0.481 0.134  
lab\*lab 0.225 0.5 0.457  
lab\*lab 0.225 0.5 0.457  
relative Natural Colour (NC)  
lab\*lab 0.225 -0.481 0.134  
lab\*lab 0.225 0.5 0.457  
lab\*lab 0.225 0.5 0.457

$n^* = 0.50$

relative Inform. Technology (IT)  
olv3\* 0.25 1.0 0.25 (1.0)  
cmyn3\* 0.75 0.0 0.75 (0.0)  
olv4\* 0.25 1.0 0.25 (1.0)  
cmyn4\* 0.75 0.0 0.75 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 63.45 -41.48 14.04  
LAB\*LAB 63.45 -41.48 14.04  
LAB\*LAB 63.45 -41.48 14.04

relative CIELAB lab\*  
lab\*lab 0.587 -0.721 0.201  
lab\*lab 0.587 0.5 0.457  
lab\*lab 0.587 0.5 0.457  
relative Natural Colour (NC)  
lab\*lab 0.587 -0.721 0.201  
lab\*lab 0.587 0.5 0.457  
lab\*lab 0.587 0.5 0.457

relative Inform. Technology (IT)  
olv3\* 0.0 0.75 0.188 (1.0)  
cmyn3\* 1.0 0.5 0.877 (0.0)  
olv4\* 0.5 1.0 0.5 (1.0)  
cmyn4\* 0.5 0.0 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 52.8 -54.81 15.26  
LAB\*LAB 52.8 -54.81 15.26  
LAB\*LAB 52.8 -54.81 15.26

relative CIELAB lab\*  
lab\*lab 0.475 -0.499 0.0  
lab\*lab 0.475 0.0 0.0  
lab\*lab 0.475 0.0 0.0  
relative Natural Colour (NC)  
lab\*lab 0.475 -0.499 0.0  
lab\*lab 0.475 0.0 0.0  
lab\*lab 0.475 0.0 0.0

relative Inform. Technology (IT)  
olv3\* 0.0 0.25 0.877 (0.0)  
cmyn3\* 1.0 0.25 0.877 (0.0)  
olv4\* 0.5 1.0 0.5 (1.0)  
cmyn4\* 0.5 0.0 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 52.8 -54.81 15.26  
LAB\*LAB 52.8 -54.81 15.26  
LAB\*LAB 52.8 -54.81 15.26

relative CIELAB lab\*  
lab\*lab 0.337 -0.721 0.201  
lab\*lab 0.337 0.5 0.457  
lab\*lab 0.337 0.5 0.457  
relative Natural Colour (NC)  
lab\*lab 0.337 -0.721 0.201  
lab\*lab 0.337 0.5 0.457  
lab\*lab 0.337 0.5 0.457

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 1.0 1.0 (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 18.02 0.0 0.47  
LAB\*LAB 18.02 0.0 0.0  
LAB\*LAB 18.02 0.0 0.0

$n^* = 0.25$

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 1.0 1.0 (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 18.02 0.0 0.47  
LAB\*LAB 18.02 0.0 0.0  
LAB\*LAB 18.02 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*lab 0.0 0.0 0.0  
lab\*lab 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*lab 0.0 0.0 0.0  
lab\*lab 0.0 0.0 0.0  
lab\*lab 0.0 0.0 0.0

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 1.0 1.0 (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 18.02 0.0 0.47  
LAB\*LAB 18.02 0.0 0.0  
LAB\*LAB 18.02 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*lab 0.0 0.0 0.0  
lab\*lab 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*lab 0.0 0.0 0.0  
lab\*lab 0.0 0.0 0.0  
lab\*lab 0.0 0.0 0.0

$n^* = 0.00$

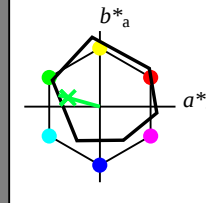
## Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton  $h^* = lab^*h = 164/360 = 0.457$

$lab^*tch$  und  $lab^*nch$

D65: Buntton G  
LCH\*Ma: 53 57 164  
olv\*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 93$

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\*LAB 95.41 0.0 0.0  
LAB\*LAB 95.41 0.0 0.0

relative CIELAB lab\*  
lab\*lab 1.0 0.0 0.0  
lab\*lab 1.0 0.0 0.0  
lab\*lab 1.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*lab 1.0 0.0 0.0  
lab\*lab 1.0 0.0 0.0  
lab\*lab 1.0 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 76.06 -0.61 3.44  
LAB\*LAB 76.06 0.0 0.0  
LAB\*LAB 76.06 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.75 0.0 0.0  
lab\*lab 0.75 0.0 0.0  
lab\*lab 0.75 0.0 0.0  
relative Natural Colour (NC)  
lab\*lab 0.75 0.0 0.0  
lab\*lab 0.75 0.0 0.0  
lab\*lab 0.75 0.0 0.0

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 56.71 -0.24 2.14  
LAB\*LAB 56.71 0.0 0.0  
LAB\*LAB 56.71 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.5 0.0 0.0  
lab\*lab 0.5 0.0 0.0  
lab\*lab 0.5 0.0 0.0  
relative Natural Colour (NC)  
lab\*lab 0.5 0.0 0.0  
lab\*lab 0.5 0.0 0.0  
lab\*lab 0.5 0.0 0.0

relative Inform. Technology (IT)  
olv3\* 0.25 0.25 0.25 (1.0)  
cmyn3\* 0.75 0.75 0.75 (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 37.36 -0.13 0.63  
LAB\*LAB 37.36 0.0 0.0  
LAB\*LAB 37.36 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.25 0.0 0.0  
lab\*lab 0.25 0.0 0.0  
lab\*lab 0.25 0.0 0.0  
relative Natural Colour (NC)  
lab\*lab 0.25 0.0 0.0  
lab\*lab 0.25 0.0 0.0  
lab\*lab 0.25 0.0 0.0

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 1.0 1.0 (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 18.02 0.0 0.47  
LAB\*LAB 18.02 0.0 0.0  
LAB\*LAB 18.02 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*lab 0.0 0.0 0.0  
lab\*lab 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*lab 0.0 0.0 0.0  
lab\*lab 0.0 0.0 0.0  
lab\*lab 0.0 0.0 0.0

$n^* = 1.0$

relative Inform. Technology (IT)  
olv3\* 0.5 0.5 0.5 (1.0)  
cmyn3\* 0.5 0.0 0.5 (0.0)  
olv4\* 0.5 1.0 0.5 (1.0)  
cmyn4\* 0.5 0.0 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 74.1 -27.98 10.94  
LAB\*LAB 74.1 -27.98 10.94  
LAB\*LAB 74.1 -27.98 10.94

relative CIELAB lab\*  
lab\*lab 0.75 -0.481 0.134  
lab\*lab 0.75 0.0 0.0  
lab\*lab 0.75 0.0 0.0  
relative Natural Colour (NC)  
lab\*lab 0.75 -0.481 0.134  
lab\*lab 0.75 0.0 0.0  
lab\*lab 0.75 0.0 0.0

relative Inform. Technology (IT)  
olv3\* 0.25 0.5 0.25 (1.0)  
cmyn3\* 0.75 0.25 0.25 (0.0)  
olv4\* 0.5 1.0 0.5 (1.0)  
cmyn4\* 0.5 0.0 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 54.76 -27.61 9.64  
LAB\*LAB 54.76 -27.61 9.64  
LAB\*LAB 54.76 -27.61 9.64

relative CIELAB lab\*  
lab\*lab 0.475 -0.499 0.0  
lab\*lab 0.475 0.0 0.0  
lab\*lab 0.475 0.0 0.0  
relative Natural Colour (NC)  
lab\*lab 0.475 -0.499 0.0  
lab\*lab 0.475 0.0 0.0  
lab\*lab 0.475 0.0 0.0

relative Inform. Technology (IT)  
olv3\* 0.0 0.75 0.188 (1.0)  
cmyn3\* 1.0 0.5 0.877 (0.0)  
olv4\* 0.5 1.0 0.5 (1.0)  
cmyn4\* 0.5 0.0 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 52.8 -54.81 15.26  
LAB\*LAB 52.8 -54.81 15.26  
LAB\*LAB 52.8 -54.81 15.26

relative CIELAB lab\*  
lab\*lab 0.475 -0.499 0.0  
lab\*lab 0.475 0.0 0.0  
lab\*lab 0.475 0.0 0.0  
relative Natural Colour (NC)  
lab\*lab 0.475 -0.499 0.0  
lab\*lab 0.475 0.0 0.0  
lab\*lab 0.475 0.0 0.0

relative Inform. Technology (IT)  
olv3\* 0.0 0.25 0.877 (0.0)  
cmyn3\* 1.0 0.25 0.877 (0.0)  
olv4\* 0.5 1.0 0.5 (1.0)  
cmyn4\* 0.5 0.0 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 52.8 -54.81 15.26  
LAB\*LAB 52.8 -54.81 15.26  
LAB\*LAB 52.8 -54.81 15.26

relative CIELAB lab\*  
lab\*lab 0.337 -0.721 0.201  
lab\*lab 0.337 0.5 0.457  
lab\*lab 0.337 0.5 0.457  
relative Natural Colour (NC)  
lab\*lab 0.337 -0.721 0.201  
lab\*lab 0.337 0.5 0.457  
lab\*lab 0.337 0.5 0.457

$n^* = 0.25$

relative Inform. Technology (IT)  
olv3\* 0.0 0.5 0.877 (0.0)  
cmyn3\* 1.0 0.5 0.877 (0.0)  
olv4\* 0.5 1.0 0.5 (1.0)  
cmyn4\* 0.5 0.0 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 52.8 -54.81 15.26  
LAB\*LAB 52.8 -54.81 15.26  
LAB\*LAB 52.8 -54.81 15.26

relative CIELAB lab\*  
lab\*lab 0.337 -0.721 0.201  
lab\*lab 0.337 0.5 0.457  
lab\*lab 0.337 0.5 0.457  
relative Natural Colour (NC)  
lab\*lab 0.337 -0.721 0.201  
lab\*lab 0.337 0.5 0.457  
lab\*lab 0.337 0.5 0.457

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 1.0 1.0 (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 18.02 0.0 0.47  
LAB\*LAB 18.02 0.0 0.0  
LAB\*LAB 18.02 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*lab 0.0 0.0 0.0  
lab\*lab 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*lab 0.0 0.0 0.0  
lab\*lab 0.0 0.0 0.0  
lab\*lab 0.0 0.0 0.0

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 1.0 1.0 (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 18.02 0.0 0.47  
LAB\*LAB 18.02 0.0 0.0  
LAB\*LAB 18.02 0.0 0.0

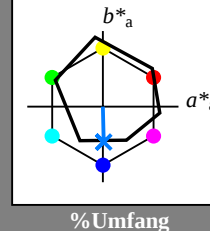
relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*lab 0.0 0.0 0.0  
lab\*lab 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*lab 0.0 0.0 0.0  
lab\*lab 0.0 0.0 0.0  
lab\*lab 0.0 0.0 0.0

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 1.0 1.0 (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 18.02 0.0 0.47  
LAB\*LAB 18.02 0.0 0.0  
LAB\*LAB 18.02 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*lab 0.0 0.0 0.0  
lab\*lab 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*lab 0.0 0.0 0

# Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18 für Buntton $h^* = lab^*h = 271/360 = 0.754$ $lab^*ch$ und $lab^*nch$

D65: Buntton B  
LCH\*Ma: 42 45 271  
olv\*Ma: 0.0 0.49 1.0  
Dreiecks-Helligkeit  $t^*$



| ORS18; adaptierte CIELAB-Daten |           |         |         |              |              |
|--------------------------------|-----------|---------|---------|--------------|--------------|
|                                | $L^*=L_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                | 47.94     | 65.39   | 50.52   | 82.63        | 38           |
| Y <sub>Ma</sub>                | 90.37     | -10.26  | 91.75   | 92.32        | 96           |
| L <sub>Ma</sub>                | 50.9      | -62.83  | 34.96   | 71.91        | 151          |
| C <sub>Ma</sub>                | 58.62     | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>Ma</sub>                | 25.72     | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>Ma</sub>                | 48.13     | 75.28   | -8.36   | 75.74        | 354          |
| N <sub>Ma</sub>                | 18.01     | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                | 95.41     | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>               | 39.92     | 58.66   | 26.98   | 64.57        | 25           |
| J <sub>CIE</sub>               | 81.26     | -2.16   | 67.76   | 67.79        | 92           |
| G <sub>CIE</sub>               | 52.23     | -42.25  | 11.76   | 43.87        | 164          |
| B <sub>CIE</sub>               | 30.57     | 1.15    | -46.84  | 46.86        | 271          |

%Regularität

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

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

| relative Inform. Technology (IT) |                   |
|----------------------------------|-------------------|
| olv3*                            | 1.0 1.0 1.0 (1.0) |
| olv4*                            | 0.0 0.0 0.0 (0.0) |
| olv5*                            | 0.0 0.0 0.0 (0.0) |
| olv6*                            | 0.0 0.0 0.0 (0.0) |
| olv7*                            | 0.0 0.0 0.0 (0.0) |
| olv8*                            | 0.0 0.0 0.0 (0.0) |
| olv9*                            | 0.0 0.0 0.0 (0.0) |
| olv10*                           | 0.0 0.0 0.0 (0.0) |
| olv11*                           | 0.0 0.0 0.0 (0.0) |
| olv12*                           | 0.0 0.0 0.0 (0.0) |
| olv13*                           | 0.0 0.0 0.0 (0.0) |
| olv14*                           | 0.0 0.0 0.0 (0.0) |
| olv15*                           | 0.0 0.0 0.0 (0.0) |
| olv16*                           | 0.0 0.0 0.0 (0.0) |
| olv17*                           | 0.0 0.0 0.0 (0.0) |
| olv18*                           | 0.0 0.0 0.0 (0.0) |
| olv19*                           | 0.0 0.0 0.0 (0.0) |
| olv20*                           | 0.0 0.0 0.0 (0.0) |
| olv21*                           | 0.0 0.0 0.0 (0.0) |
| olv22*                           | 0.0 0.0 0.0 (0.0) |
| olv23*                           | 0.0 0.0 0.0 (0.0) |
| olv24*                           | 0.0 0.0 0.0 (0.0) |
| olv25*                           | 0.0 0.0 0.0 (0.0) |
| olv26*                           | 0.0 0.0 0.0 (0.0) |
| olv27*                           | 0.0 0.0 0.0 (0.0) |
| olv28*                           | 0.0 0.0 0.0 (0.0) |
| olv29*                           | 0.0 0.0 0.0 (0.0) |
| olv30*                           | 0.0 0.0 0.0 (0.0) |
| olv31*                           | 0.0 0.0 0.0 (0.0) |
| olv32*                           | 0.0 0.0 0.0 (0.0) |
| olv33*                           | 0.0 0.0 0.0 (0.0) |
| olv34*                           | 0.0 0.0 0.0 (0.0) |
| olv35*                           | 0.0 0.0 0.0 (0.0) |
| olv36*                           | 0.0 0.0 0.0 (0.0) |
| olv37*                           | 0.0 0.0 0.0 (0.0) |
| olv38*                           | 0.0 0.0 0.0 (0.0) |
| olv39*                           | 0.0 0.0 0.0 (0.0) |
| olv40*                           | 0.0 0.0 0.0 (0.0) |
| olv41*                           | 0.0 0.0 0.0 (0.0) |
| olv42*                           | 0.0 0.0 0.0 (0.0) |
| olv43*                           | 0.0 0.0 0.0 (0.0) |
| olv44*                           | 0.0 0.0 0.0 (0.0) |
| olv45*                           | 0.0 0.0 0.0 (0.0) |
| olv46*                           | 0.0 0.0 0.0 (0.0) |
| olv47*                           | 0.0 0.0 0.0 (0.0) |
| olv48*                           | 0.0 0.0 0.0 (0.0) |
| olv49*                           | 0.0 0.0 0.0 (0.0) |
| olv50*                           | 0.0 0.0 0.0 (0.0) |
| olv51*                           | 0.0 0.0 0.0 (0.0) |
| olv52*                           | 0.0 0.0 0.0 (0.0) |
| olv53*                           | 0.0 0.0 0.0 (0.0) |
| olv54*                           | 0.0 0.0 0.0 (0.0) |
| olv55*                           | 0.0 0.0 0.0 (0.0) |
| olv56*                           | 0.0 0.0 0.0 (0.0) |
| olv57*                           | 0.0 0.0 0.0 (0.0) |
| olv58*                           | 0.0 0.0 0.0 (0.0) |
| olv59*                           | 0.0 0.0 0.0 (0.0) |
| olv60*                           | 0.0 0.0 0.0 (0.0) |
| olv61*                           | 0.0 0.0 0.0 (0.0) |
| olv62*                           | 0.0 0.0 0.0 (0.0) |
| olv63*                           | 0.0 0.0 0.0 (0.0) |
| olv64*                           | 0.0 0.0 0.0 (0.0) |
| olv65*                           | 0.0 0.0 0.0 (0.0) |
| olv66*                           | 0.0 0.0 0.0 (0.0) |
| olv67*                           | 0.0 0.0 0.0 (0.0) |
| olv68*                           | 0.0 0.0 0.0 (0.0) |
| olv69*                           | 0.0 0.0 0.0 (0.0) |
| olv70*                           | 0.0 0.0 0.0 (0.0) |
| olv71*                           | 0.0 0.0 0.0 (0.0) |
| olv72*                           | 0.0 0.0 0.0 (0.0) |
| olv73*                           | 0.0 0.0 0.0 (0.0) |
| olv74*                           | 0.0 0.0 0.0 (0.0) |
| olv75*                           | 0.0 0.0 0.0 (0.0) |
| olv76*                           | 0.0 0.0 0.0 (0.0) |
| olv77*                           | 0.0 0.0 0.0 (0.0) |
| olv78*                           | 0.0 0.0 0.0 (0.0) |
| olv79*                           | 0.0 0.0 0.0 (0.0) |
| olv80*                           | 0.0 0.0 0.0 (0.0) |
| olv81*                           | 0.0 0.0 0.0 (0.0) |
| olv82*                           | 0.0 0.0 0.0 (0.0) |
| olv83*                           | 0.0 0.0 0.0 (0.0) |
| olv84*                           | 0.0 0.0 0.0 (0.0) |
| olv85*                           | 0.0 0.0 0.0 (0.0) |
| olv86*                           | 0.0 0.0 0.0 (0.0) |
| olv87*                           | 0.0 0.0 0.0 (0.0) |
| olv88*                           | 0.0 0.0 0.0 (0.0) |
| olv89*                           | 0.0 0.0 0.0 (0.0) |
| olv90*                           | 0.0 0.0 0.0 (0.0) |
| olv91*                           | 0.0 0.0 0.0 (0.0) |
| olv92*                           | 0.0 0.0 0.0 (0.0) |
| olv93*                           | 0.0 0.0 0.0 (0.0) |
| olv94*                           | 0.0 0.0 0.0 (0.0) |
| olv95*                           | 0.0 0.0 0.0 (0.0) |
| olv96*                           | 0.0 0.0 0.0 (0.0) |
| olv97*                           | 0.0 0.0 0.0 (0.0) |
| olv98*                           | 0.0 0.0 0.0 (0.0) |
| olv99*                           | 0.0 0.0 0.0 (0.0) |
| olv100*                          | 0.0 0.0 0.0 (0.0) |

| relative Inform. Technology (IT) |                      |
|----------------------------------|----------------------|
| olv3*                            | 0.75 0.75 0.75 (1.0) |
| olv4*                            | 0.25 0.25 0.25 (0.0) |
| olv5*                            | 0.5 0.5 0.5 (0.5)    |
| olv6*                            | 0.75 0.75 0.75 (1.0) |
| olv7*                            | 0.25 0.25 0.25 (0.0) |
| olv8*                            | 0.5 0.5 0.5 (0.5)    |
| olv9*                            | 0.75 0.75 0.75 (1.0) |
| olv10*                           | 0.25 0.25 0.25 (0.0) |
| olv11*                           | 0.5 0.5 0.5 (0.5)    |
| olv12*                           | 0.75 0.75 0.75 (1.0) |
| olv13*                           | 0.25 0.25 0.25 (0.0) |
| olv14*                           | 0.5 0.5 0.5 (0.5)    |
| olv15*                           | 0.75 0.75 0.75 (1.0) |
| olv16*                           | 0.25 0.25 0.25 (0.0) |
| olv17*                           | 0.5 0.5 0.5 (0.5)    |
| olv18*                           | 0.75 0.75 0.75 (1.0) |
| olv19*                           | 0.25 0.25 0.25 (0.0) |
| olv20*                           | 0.5 0.5 0.5 (0.5)    |
| olv21*                           | 0.75 0.75 0.75 (1.0) |
| olv22*                           | 0.25 0.25 0.25 (0.0) |
| olv23*                           | 0.5 0.5 0.5 (0.5)    |
| olv24*                           | 0.75 0.75 0.75 (1.0) |
| olv25*                           | 0.25 0.25 0.25 (0.0) |
| olv26*                           | 0.5 0.5 0.5 (0.5)    |
| olv27*                           | 0.75 0.75 0.75 (1.0) |
| olv28*                           | 0.25 0.25 0.25 (0.0) |
| olv29*                           | 0.5 0.5 0.5 (0.5)    |
| olv30*                           | 0.75 0.75 0.75 (1.0) |
| olv31*                           | 0.25 0.25 0.25 (0.0) |
| olv32*                           | 0.5 0.5 0.5 (0.5)    |
| olv33*                           | 0.75 0.75 0.75 (1.0) |
| olv34*                           | 0.25 0.25 0.25 (0.0) |
| olv35*                           | 0.5 0.5 0.5 (0.5)    |
| olv36*                           | 0.75 0.75 0.75 (1.0) |
| olv37*                           | 0.25 0.25 0.25 (0.0) |
| olv38*                           | 0.5 0.5 0.5 (0.5)    |
| olv39*                           | 0.75 0.75 0.75 (1.0) |
| olv40*                           | 0.25 0.25 0.25 (0.0) |
| olv41*                           | 0.5 0.5 0.5 (0.5)    |
| olv42*                           | 0.75 0.75 0.75 (1.0) |
| olv43*                           | 0.25 0.25 0.25 (0.0) |
| olv44*                           | 0.5 0.5 0.5 (0.5)    |
| olv45*                           | 0.75 0.75 0.75 (1.0) |
| olv46*                           | 0.25 0.25 0.25 (0.0) |
| olv47*                           | 0.5 0.5 0.5 (0.5)    |
| olv48*                           | 0.75 0.75 0.75 (1.0) |
| olv49*                           | 0.25 0.25 0.25 (0.0) |
| olv50*                           | 0.5 0.5 0.5 (0.5)    |
| olv51*                           | 0.75 0.75 0.75 (1.0) |
| olv52*                           | 0.25 0.25 0.25 (0.0) |
| olv53*                           | 0.5 0.5 0.5 (0.5)    |
| olv54*                           | 0.75 0.75 0.75 (1.0) |
| olv55*                           | 0.25 0.25 0.25 (0.0) |
| olv56*                           | 0.5 0.5 0.5 (0.5)    |
| olv57*                           | 0.75 0.75 0.75 (1.0) |
| olv58*                           | 0.25 0.25 0.25 (0.0) |
| olv59*                           | 0.5 0.5 0.5 (0.5)    |
| olv60*                           | 0.75 0.75 0.75 (1.0) |
| olv61*                           | 0.25 0.25 0.25 (0.0) |
| olv62*                           | 0.5 0.5 0.5 (0.5)    |
| olv63*                           | 0.75 0.75 0.75 (1.0) |
| olv64*                           | 0.25 0.25 0.25 (0.0) |
| olv65*                           | 0.5 0.5 0.5 (0.5)    |
| olv66*                           | 0.75 0.75 0.75 (1.0) |
| olv67*                           | 0.25 0.25 0.25 (0.0) |
| olv68*                           | 0.5 0.5 0.5 (0.5)    |
| olv69*                           | 0.75 0.75 0.75 (1.0) |
| olv70*                           | 0.25 0.25 0.25 (0.0) |
| olv71*                           | 0.5 0.5 0.5 (0.5)    |
| olv72*                           | 0.75 0.75 0.75 (1.0) |
| olv73*                           | 0.25 0.25 0.25 (0.0) |
| olv74*                           | 0.5 0.5 0.5 (0.5)    |
| olv75*                           | 0.75 0.75 0.75 (1.0) |
| olv76*                           | 0.25 0.25 0.25 (0.0) |
| olv77*                           | 0.5 0.5 0.5 (0.5)    |
| olv78*                           | 0.75 0.75 0.75 (1.0) |
| olv79*                           | 0.25 0.25 0.25 (0.0) |
| olv80*                           | 0.5 0.5 0.5 (0.5)    |
| olv81*                           | 0.75 0.75 0.75 (1.0) |
| olv82*                           | 0.25 0.25 0.25 (0.0) |
| olv83*                           | 0.5 0.5 0.5 (0.5)    |
| olv84*                           | 0.75 0.75 0.75 (1.0) |
| olv85*                           | 0.25 0.25 0.25 (0.0) |
| olv86*                           | 0.5 0.5 0.5 (0.5)    |
| olv87*                           | 0.75 0.75 0.75 (1.0) |
| olv88*                           | 0.25 0.25 0.25 (0.0) |
| olv89*                           | 0.5 0.5 0.5 (0.5)    |
| olv90*                           | 0.75 0.75 0.75 (1.0) |
| olv91*                           | 0.25 0.25 0.25 (0.0) |
| olv92*                           | 0.5 0.5 0.5 (0.5)    |
| olv93*                           | 0.75 0.75 0.75 (1.0) |
| olv94*                           | 0.25 0.25 0.25 (0.0) |
| olv95*                           | 0.5 0.5 0.5 (0.5)    |
| olv96*                           | 0.75 0.75 0.75 (1.0) |
| olv97*                           | 0.25 0.25 0.25 (0.0) |
| olv98*                           | 0.5 0.5 0.5 (0.5)    |
| olv99*                           | 0.75 0.75 0.75 (1.0) |
| olv100*                          | 0.25 0.25 0.25 (0.0) |

| relative Inform. Technology (IT) |                      |
|----------------------------------|----------------------|
| olv3*                            | 0.75 0.75 0.75 (1.0) |
| olv4*                            | 0.25 0.25 0.25 (0.0) |
| olv5*                            | 0.5 0.5 0.5 (0.5)    |
| olv6*                            | 0.75 0.75 0.75 (1.0) |
| olv7*                            | 0.25 0.25 0.25 (0.0) |
| olv8*                            | 0.5 0.5 0.5 (0.5)    |
| olv9*                            | 0.75 0.75 0.75 (1.0) |
| olv10*                           | 0.25 0.25 0.25 (0.0) |
| olv11*                           | 0.5 0.5 0.5 (0.5)    |
| olv12*                           | 0.75 0.75 0.75 (1.0) |
| olv13*                           | 0.25 0.25 0.25 (0.0) |
| olv14*                           | 0.5 0.5 0.5 (0.5)    |
| olv15*                           | 0.75 0.75 0.75 (1.0) |
| olv16*                           | 0.25 0.25 0.25 (0.0) |
| olv17*                           | 0.5 0.5 0.5 (0.5)    |
| olv18*                           | 0.75 0.75 0.75 (1.0) |
| olv19*                           | 0.25 0.25 0.25 (0.0) |
| olv20*                           | 0.5 0.5 0.5 (0.5)    |
| olv21*                           | 0.75 0.75 0.75 (1.0) |
| olv22*                           | 0.25 0.25 0.25 (0.0) |
| olv23*                           | 0.5 0.5 0.5 (0.5)    |
| olv24*                           | 0.75 0.75 0.75 (1.0) |
| olv25*                           | 0.25 0.25 0.25 (0.0) |
| olv26*                           | 0.5 0.5 0.5 (0.5)    |
| olv27*                           | 0.75 0.75 0.75 (1.0) |
| olv28*                           | 0.25 0.25 0.25 (0.0) |
| olv29*                           | 0.5 0.5 0.5 (0.5)    |
| olv30*                           | 0.75 0.75 0.75 (1.0) |
| olv31*                           | 0.25 0.25 0.25 (0.0) |
| olv32*                           | 0.5 0.5 0.5 (0.5)    |
| olv33*                           | 0.75 0.75 0.75 (1.0) |
| olv34*                           | 0.25 0.25 0.25 (0.0) |
| olv35*                           | 0.5 0.5 0.5 (0.5)    |
| olv36*                           | 0.75 0.75 0.75 (1.0) |
| olv37*                           | 0.25 0.25 0.25 (0.0) |
| olv38*                           | 0.5 0.5 0.5 (0.5)    |
| olv39*                           | 0.75 0.75 0.75 (1.0) |
| olv40*                           | 0.25 0.25 0.25 (0.0) |
| olv41*                           | 0.5 0.5 0.5 (0.5)    |
| olv42*                           | 0.75 0.75 0.75 (1.0) |
| olv43*                           | 0.25 0.25 0.25 (0.0) |
| olv44*                           | 0.5 0.5 0.5 (0.5)    |
| olv45*                           | 0.75 0.75 0.75 (1.0) |
| olv46*                           | 0.25 0.25 0.25 (0.0) |
| olv47*                           | 0.5 0.5 0.5 (0.5)    |
| olv48*                           | 0.75 0.75 0.75 (1.0) |
| olv49*                           | 0.25 0.25 0.25 (0.0) |
| olv50*                           | 0.5 0.5 0.5 (0.5)    |
| olv51*                           | 0.75 0.75 0.75 (1.0) |
| olv52*                           | 0.25 0.25 0.25 (0.0) |
| olv53*                           | 0.5 0.5 0.5 (0.5)    |
| olv54*                           | 0.75 0.75 0.75 (1.0) |
| olv55*                           | 0.25 0.25 0.25 (0.0) |
| olv56*                           | 0.5 0.5 0.5 (0.5)    |
| olv57*                           | 0.75 0.75 0.75 (1.0) |
| olv58*                           | 0.25 0.25 0.25 (0.0) |
| olv59*                           | 0.5 0.5 0.5 (0.5)    |
| olv60*                           | 0.75 0.75 0.75 (1.0) |
| olv61*                           | 0.25 0.25 0.25 (0.0) |
| olv62*                           | 0.5 0.5 0.5 (0.5)    |
| olv63*                           | 0.75 0.75 0.75 (1.0) |
| olv64*                           | 0.25 0.25 0.25 (0.0) |
| olv65*                           | 0.5 0.5 0.5 (0.5)    |
| olv66*                           | 0.75 0.75 0.75 (1.0) |
| olv67*                           | 0.25 0.25 0.25 (0.0) |
| olv68*                           | 0.5 0.5 0.5 (0.5)    |
| olv69*                           | 0.75 0.75 0.75 (1.0) |
| olv70*                           | 0.25 0.25 0.25 (0.0) |
| olv71*                           | 0.5 0.5 0.5 (0.5)    |
| olv72*                           | 0.75 0.75 0.75 (1.0) |
| olv73*                           | 0.25 0.25 0.25 (0.0) |
| olv74*                           | 0.5 0.5 0.5 (0.5)    |
| olv75*                           | 0.75 0.75 0.75 (1.0) |
| olv76*                           | 0.25 0.25 0.25 (0.0) |
| olv77*                           | 0.5 0.5 0.5 (0.5)    |
| olv78*                           | 0.75 0.75 0.75 (1.0) |
| olv79*                           | 0.25 0.25 0.25 (0.0) |
| olv80*                           | 0.5 0.5 0.5 (0.5)    |
| olv81*                           | 0.75 0.75 0.75 (1.0) |
| olv82*                           | 0.25 0.25 0.25 (0.0) |
| olv83*                           | 0.5 0.5 0.5 (0.5)    |
| olv84*                           | 0.75 0.75 0.75 (1.0) |
| olv85*                           | 0.25 0.25 0.25 (0.0) |
| olv86*                           | 0.5 0.5 0.5 (0.5)    |
| olv87*                           | 0.75 0.75 0.75 (1.0) |
| olv88*                           | 0.25 0.25 0.25 (0.0) |
| olv89*                           | 0.5 0.5 0.5 (0.5)    |
| olv90*                           | 0.75 0.75 0.75 (1.0) |
| olv91*                           | 0.25 0.25 0.25 (0.0) |
| olv92*                           | 0.5 0.5 0.5 (0.5)    |
| olv93*                           | 0.75 0.75 0.75 (1.0) |
| olv94*                           | 0.25 0.25 0.25 (0.0) |
| olv95*                           | 0.5 0.5 0.5 (0.5)    |
| olv96*                           | 0.75 0.75 0.75 (1.0) |
| olv97*                           | 0.25 0.25 0.25 (0.0) |
| olv98*                           | 0.5 0.5 0.5 (0.5)    |
| olv99*                           | 0.75 0.75 0.75 (1.0) |
| olv100*                          | 0.25 0.25 0.25 (0.0) |

| relative Inform. Technology (IT) |                      |
|----------------------------------|----------------------|
| olv3*                            | 0.75 0.75 0.75 (1.0) |
| olv4*                            | 0.25 0.25 0.25 (0.0) |
| olv5*                            | 0.5 0.5 0.5 (0.5)    |
| olv6*                            | 0.75 0.75 0.75 (1.0) |
| olv7*                            | 0.25 0.25 0.25 (0.0) |
| olv8*                            | 0.5 0.5 0.5 (0.5)    |
| olv9*                            | 0.75 0.75 0.75 (1.0) |
| olv10*                           | 0.25 0.25 0.25 (0.0) |
| olv11*                           | 0.5 0.5 0.5 (0.5)    |
| olv12*                           | 0.75 0.75 0.75 (1.0) |
| olv13*                           | 0.25 0.25 0.25 (0.0) |
| olv14*                           | 0.5 0.5 0.5 (0.5)    |
| olv15*                           | 0.75 0.75 0.75 (1.0) |
| olv16*                           | 0.25 0.25 0.25 (0.0) |
| olv17*                           | 0.5 0.5 0.5 (0.5)    |
| olv18*                           | 0.75 0.75 0.75 (1.0) |
| olv19*                           | 0.25 0.25 0.25 (0.0) |
| olv20*                           | 0.5 0.5 0.5 (0.5)    |
| olv21*                           | 0.75 0.75 0.75 (1.0) |
| olv22*                           | 0.25 0.25 0.25 (0.0) |
| olv23*                           | 0.5 0.5 0.5 (0.5)    |
| olv24*                           | 0.75 0.75 0.75 (1.0) |
| olv25*                           | 0.25 0.25 0.25 (0.0) |