





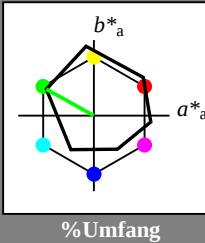
### Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton  $h^* = lab^*h = 151/360 = 0.419$

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

D65: Buntton L  
LCH\*Ma: 51 72 151  
olv\*Ma: 0.0 1.0 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 47.5  
LAB\*LAB 95.41 0.0 0.0  
LAB\*TCRa 99.99 0.01 -

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 -  
relative Natural Colour (NC)  
lab\*lrj 1.0 0.0 0.0  
lab\*nce 1.0 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\*TCRa 75.00 0.01 -

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 -  
relative Natural Colour (NC)  
lab\*lrj 0.75 0.0 0.0  
lab\*nce 0.75 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\*TCRa 50.00 0.01 -

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 -  
relative Natural Colour (NC)  
lab\*lrj 0.5 0.0 0.0  
lab\*nce 0.5 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 -0.03 0.83  
LAB\*LAB 37.36 0.0 0.0  
LAB\*TCRa 25.00 0.01 -

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 -  
relative Natural Colour (NC)  
lab\*lrj 0.25 0.0 0.0  
lab\*nce 0.25 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 (0.0)  
cmyn4\* 0.0 0.0 0.0 (1.0)  
standard and adapted CIELAB  
LAB\*LAB 18.02 0.0 0.47  
LAB\*LAB 18.02 0.0 0.0  
LAB\*TCRa 0.01 0.01 -

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 1.0 0.0 0.0  
lab\*nch 1.0 0.0 -  
relative Natural Colour (NC)  
lab\*lrj 0.0 0.0 0.0  
lab\*nce 1.0 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 (0.0)  
cmyn4\* 0.0 0.0 0.0 (1.0)  
standard and adapted CIELAB  
LAB\*LAB 18.02 0.0 0.47  
LAB\*LAB 18.02 0.0 0.0  
LAB\*TCRa 0.01 0.01 -

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 1.0 0.0 0.0  
lab\*nch 1.0 0.0 -  
relative Natural Colour (NC)  
lab\*lrj 0.0 0.0 0.0  
lab\*nce 1.0 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\* 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 73.15 -31.4 20.73  
LAB\*LAB 73.15 -31.4 20.73  
LAB\*TCRa 75.0 35.95 150.91

relative CIELAB lab\*  
lab\*lab 0.712 -0.436 0.243  
lab\*ch 0.75 0.5 0.419  
lab\*nch 0.0 0.5 0.419  
relative Natural Colour (NC)  
lab\*lrj 0.712 -0.478 0.144  
lab\*nce 0.75 0.5 0.453

relative Inform. Technology (IT)  
olv3\* 0.25 0.75 0.25 (1.0)  
cmyn3\* 0.75 0.25 0.75 (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 53.81 -31.6 19.43  
LAB\*LAB 53.81 -31.6 19.43  
LAB\*TCRa 50.0 35.95 150.91

relative CIELAB lab\*  
lab\*lab 0.569 -0.654 0.365  
lab\*ch 0.625 0.75 0.419  
lab\*nch 0.0 0.75 0.419  
relative Natural Colour (NC)  
lab\*lrj 0.569 -0.717 0.217  
lab\*nce 0.625 0.75 0.453

relative Inform. Technology (IT)  
olv3\* 0.0 0.75 0.0 (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 42.68 -47.89 27.41  
LAB\*LAB 42.68 -47.89 27.41  
LAB\*TCRa 37.51 53.92 150.91

relative CIELAB lab\*  
lab\*lab 0.319 -0.654 0.365  
lab\*ch 0.375 0.75 0.419  
lab\*nch 0.0 0.75 0.419  
relative Natural Colour (NC)  
lab\*lrj 0.319 -0.717 0.217  
lab\*nce 0.375 0.75 0.453

relative Inform. Technology (IT)  
olv3\* 0.0 0.5 0.0 (1.0)  
cmyn3\* 1.0 0.5 0.0 (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 34.46 -31.22 18.12  
LAB\*LAB 34.46 -31.22 18.12  
LAB\*TCRa 25.01 35.95 150.91

relative CIELAB lab\*  
lab\*lab 0.213 -0.436 0.243  
lab\*ch 0.25 0.5 0.419  
lab\*nch 0.0 0.5 0.419  
relative Natural Colour (NC)  
lab\*lrj 0.213 -0.478 0.144  
lab\*nce 0.25 0.5 0.453

relative Inform. Technology (IT)  
olv3\* 0.0 0.25 0.0 (1.0)  
cmyn3\* 1.0 0.25 0.0 (0.0)  
olv4\* 0.25 1.0 0.25 (1.0)  
cmyn4\* 0.25 0.0 0.25 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 26.24 -25.5 8.82  
LAB\*LAB 26.24 -25.5 8.82  
LAB\*TCRa 12.5 35.95 150.91

relative CIELAB lab\*  
lab\*lab 0.106 -0.217 0.121  
lab\*ch 0.125 0.25 0.419  
lab\*nch 0.0 0.25 0.419  
relative Natural Colour (NC)  
lab\*lrj 0.106 -0.258 0.072  
lab\*nce 0.125 0.25 0.453

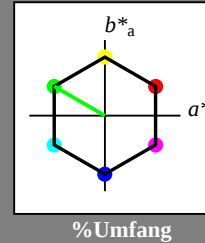
### Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18

für Buntton  $h^* = lab^*h = 150/360 = 0.417$

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

D65: Buntton L  
LCH\*Ma: 57 77 150  
olv\*Ma: 0.0 1.0 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 0.0 0.0  
LAB\*LAB 95.41 0.0 0.0  
LAB\*TCRa 99.99 0.01 -

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 -  
relative Natural Colour (NC)  
lab\*lrj 1.0 0.0 0.0  
lab\*nce 1.0 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 76.07 0.0 0.0  
LAB\*LAB 76.07 0.0 0.0  
LAB\*TCRa 75.00 0.01 -

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 -  
relative Natural Colour (NC)  
lab\*lrj 0.75 0.0 0.0  
lab\*nce 0.75 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 56.72 0.0 0.0  
LAB\*LAB 56.72 0.0 0.0  
LAB\*TCRa 50.00 0.01 -

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 -  
relative Natural Colour (NC)  
lab\*lrj 0.5 0.0 0.0  
lab\*nce 0.5 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 0.0 0.83  
LAB\*LAB 37.36 0.0 0.0  
LAB\*TCRa 25.00 0.01 -

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 -  
relative Natural Colour (NC)  
lab\*lrj 0.25 0.0 0.0  
lab\*nce 0.25 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 (0.0)  
cmyn4\* 0.0 0.0 0.0 (1.0)  
standard and adapted CIELAB  
LAB\*LAB 18.03 0.0 0.0  
LAB\*LAB 18.03 0.0 0.0  
LAB\*TCRa 0.01 0.01 -

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 1.0 0.0 0.0  
lab\*nch 1.0 0.0 -  
relative Natural Colour (NC)  
lab\*lrj 0.0 0.0 0.0  
lab\*nce 1.0 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 (0.0)  
cmyn4\* 0.0 0.0 0.0 (1.0)  
standard and adapted CIELAB  
LAB\*LAB 18.03 0.0 0.0  
LAB\*LAB 18.03 0.0 0.0  
LAB\*TCRa 0.01 0.01 -

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 1.0 0.0 0.0  
lab\*nch 1.0 0.0 -  
relative Natural Colour (NC)  
lab\*lrj 0.0 0.0 0.0  
lab\*nce 1.0 0.0 -

### SRS18; adaptierte CIELAB-Daten

|                  | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|---------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 56.71         | 67.03   | 38.7    | 77.4         | 30           |
| Y <sub>Ma</sub>  | 56.71         | 0.0     | 77.4    | 77.4         | 90           |
| L <sub>Ma</sub>  | 56.71         | -67.02  | 38.7    | 77.4         | 150          |
| C <sub>Ma</sub>  | 56.71         | -67.02  | -38.69  | 77.4         | 210          |
| V <sub>Ma</sub>  | 56.71         | 0.0     | -77.39  | 77.4         | 270          |
| M <sub>Ma</sub>  | 56.71         | 67.03   | -38.69  | 77.4         | 330          |
| 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         | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub> | 81.26         | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub> | 52.23         | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub> | 30.57         | 1.41    | -46.46  | 46.49        | 272          |

%Regularität

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

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

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 76.06 -0.61 3.44  
LAB\*LAB 76.06 -0.61 3.44  
LAB\*TCRa 75.0 35.95 150.91

relative CIELAB lab\*  
lab\*lab 0.712 -0.436 0.243  
lab\*ch 0.75 0.5 0.417  
lab\*nch 0.0 0.5 0.417  
relative Natural Colour (NC)  
lab\*lrj 0.712 -0.478 0.136  
lab\*nce 0.75 0.5 0.456

relative Inform. Technology (IT)  
olv3\* 0.25 0.75 0.25 (1.0)  
cmyn3\* 0.75 0.25 0.75 (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 56.71 -33.5 19.35  
LAB\*LAB 56.71 -33.5 19.35  
LAB\*TCRa 50.0 35.95 150.91

relative CIELAB lab\*  
lab\*lab 0.569 -0.648 0.375  
lab\*ch 0.625 0.75 0.417  
lab\*nch 0.0 0.75 0.417  
relative Natural Colour (NC)  
lab\*lrj 0.569 -0.721 0.203  
lab\*nce 0.625 0.75 0.456

relative Inform. Technology (IT)  
olv3\* 0.0 0.75 0.0 (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 47.04 -47.89 27.41  
LAB\*LAB 47.04 -47.89 27.41  
LAB\*TCRa 37.5 53.92 150.91

relative CIELAB lab\*  
lab\*lab 0.319 -0.648 0.375  
lab\*ch 0.375 0.75 0.417  
lab\*nch 0.0 0.75 0.417  
relative Natural Colour (NC)  
lab\*lrj 0.319 -0.721 0.203  
lab\*nce 0.375 0.75 0.456

relative Inform. Technology (IT)  
olv3\* 0.0 0.5 0.0 (1.0)  
cmyn3\* 1.0 0.5 0.0 (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 37.36 -0.03 0.83  
LAB\*LAB 37.36 -0.03 0.0  
LAB\*TCRa 25.01 35.95 150.91

relative CIELAB lab\*  
lab\*lab 0.213 -0.436 0.243  
lab\*ch 0.25 0.5 0.417  
lab\*nch 0.0 0.5 0.417  
relative Natural Colour (NC)  
lab\*lrj 0.213 -0.478 0.136  
lab\*nce 0.25 0.5 0.456

relative Inform. Technology (IT)  
olv3\* 0.0 0.25 0.0 (1.0)  
cmyn3\* 1.0 0.25 0.0 (0.0)  
olv4\* 0.25 1.0 0.25 (1.0)  
cmyn4\* 0.25 0.0 0.25 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 26.24 -25.5 8.82  
LAB\*LAB 26.24 -25.5 8.82  
LAB\*TCRa 12.5 35.95 150.91

relative CIELAB lab\*  
lab\*lab 0.106 -0.217 0.121  
lab\*ch 0.125 0.25 0.417  
lab\*nch 0.0 0.25 0.417  
relative Natural Colour (NC)  
lab\*lrj 0.106 -0.258 0.072  
lab\*nce 0.125 0.25 0.456

NG520-7, 5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (links)

5 stufige Reihen für konstanten CIELAB Buntton 150/360 = 0.417 (rechts)

BAM-Prüfvorlage NG52; Farbmetrik-Systeme ORS18 & SRS18 input: olv\* setrgbcolor

D65: 2 Koordinatendaten; 25stufige Farbreihen für 10 Bunttöne

output: no change compared to input



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

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

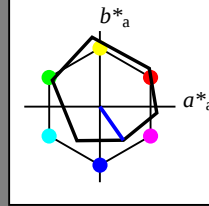
$lab^*ich$  und  $lab^*nch$

D65: Buntton V

LCH\*Ma: 26 54 305

olv\*Ma: 0.0 0.0 1.0

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\*tr 1.0 0.0 0.0  
lab\*ice 1.0 0.0 0.0  
lab\*nice 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 0.75 0.75 (1.0)  
lab\*ich 0.875 0.25 0.847  
lab\*nch 0.0 0.25 0.847  
relative Natural Colour (NC)  
lab\*tr 0.75 0.112 -0.222  
lab\*ice 0.875 0.25 0.847  
lab\*nice 0.0 0.25 0.847

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 0.75 0.75 (1.0)  
lab\*ich 0.875 0.25 0.847  
lab\*nch 0.0 0.25 0.847  
relative Natural Colour (NC)  
lab\*tr 0.75 0.112 -0.222  
lab\*ice 0.875 0.25 0.847  
lab\*nice 0.0 0.25 0.847

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 0.75 0.75 (1.0)  
lab\*ich 0.875 0.25 0.847  
lab\*nch 0.0 0.25 0.847  
relative Natural Colour (NC)  
lab\*tr 0.75 0.112 -0.222  
lab\*ice 0.875 0.25 0.847  
lab\*nice 0.0 0.25 0.847

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 0.75 0.75 (1.0)  
lab\*ich 0.875 0.25 0.847  
lab\*nch 0.0 0.25 0.847  
relative Natural Colour (NC)  
lab\*tr 0.75 0.112 -0.222  
lab\*ice 0.875 0.25 0.847  
lab\*nice 0.0 0.25 0.847

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 0.75 0.75 (1.0)  
lab\*ich 0.875 0.25 0.847  
lab\*nch 0.0 0.25 0.847  
relative Natural Colour (NC)  
lab\*tr 0.75 0.112 -0.222  
lab\*ice 0.875 0.25 0.847  
lab\*nice 0.0 0.25 0.847

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 0.75 0.75 (1.0)  
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lab\*nch 0.0 0.25 0.847  
relative Natural Colour (NC)  
lab\*tr 0.75 0.112 -0.222  
lab\*ice 0.875 0.25 0.847  
lab\*nice 0.0 0.25 0.847

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 0.75 0.75 (1.0)  
lab\*ich 0.875 0.25 0.847  
lab\*nch 0.0 0.25 0.847  
relative Natural Colour (NC)  
lab\*tr 0.75 0.112 -0.222  
lab\*ice 0.875 0.25 0.847  
lab\*nice 0.0 0.25 0.847

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 0.75 0.75 (1.0)  
lab\*ich 0.875 0.25 0.847  
lab\*nch 0.0 0.25 0.847  
relative Natural Colour (NC)  
lab\*tr 0.75 0.112 -0.222  
lab\*ice 0.875 0.25 0.847  
lab\*nice 0.0 0.25 0.847

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 0.75 0.75 (1.0)  
lab\*ich 0.875 0.25 0.847  
lab\*nch 0.0 0.25 0.847  
relative Natural Colour (NC)  
lab\*tr 0.75 0.112 -0.222  
lab\*ice 0.875 0.25 0.847  
lab\*nice 0.0 0.25 0.847

### 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            |
| RC <sub>IE</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

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

$g^*_{C,rel} = 135$

|                  | $L^*=L_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-----------|---------|---------|--------------|--------------|
| 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            |
| RC <sub>IE</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          |

|                  | $L^*=L_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-----------|---------|---------|--------------|--------------|
| 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            |
| RC <sub>IE</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          |

|                  | $L^*=L_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-----------|---------|---------|--------------|--------------|
| 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            |
| RC <sub>IE</sub> | 39.92     | 58.66   | 26.98   | 64.57        | 25           |
| J <sub>CIE</sub> | 81.26     | -2.16   | 67.76   | 67.79        | 92           |
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|                  | $L^*=L_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-----------|---------|---------|--------------|--------------|
| 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            |
| RC <sub>IE</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          |

|                  | $L^*=L_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-----------|---------|---------|--------------|--------------|
| 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            |
| RC <sub>IE</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          |

|                  | $L^*=L_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-----------|---------|---------|--------------|--------------|
| 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            |
| RC <sub>IE</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          |

|                  | $L^*=L_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-----------|---------|---------|--------------|--------------|
| 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            |
| RC <sub>IE</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          |

|                  | $L^*=L_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-----------|---------|---------|--------------|--------------|
| 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            |
| RC <sub>IE</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          |

### Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18

für Buntton  $h^* = lab^*h = 270/360 = 0.75$

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

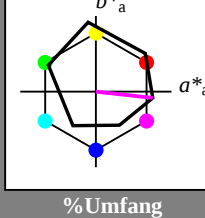
## Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton  $h^* = lab^*h = 354/360 = 0.982$

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

D65: Buntton M  
LCH\*Ma: 48 76 354  
olv\*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit  $t^*$



relative Inform. Technology (IT)

|                             |       |       |       |       |
|-----------------------------|-------|-------|-------|-------|
| olv3*                       | 1.0   | 1.0   | 1.0   | (1.0) |
| olv3*                       | 0.0   | 0.0   | 0.0   | (0.0) |
| olv4*                       | 1.0   | 1.0   | 1.0   | (1.0) |
| olv4*                       | 0.0   | 0.0   | 0.0   | (0.0) |
| olv4*                       | 0.0   | 0.0   | 0.0   | (0.0) |
| olv4*                       | 0.0   | 0.0   | 0.0   | (0.0) |
| standard and adapted CIELAB |       |       |       |       |
| LAB*LAB                     | 56.71 | -0.41 | -0.98 | 47.5  |
| LAB*LAB                     | 56.71 | -0.41 | -0.98 | 47.5  |
| LAB*LAB                     | 56.71 | -0.41 | -0.98 | 47.5  |
| LAB*LAB                     | 56.71 | -0.41 | -0.98 | 47.5  |

relative CIELAB lab\*

|                              |     |     |     |   |
|------------------------------|-----|-----|-----|---|
| lab*lab                      | 1.0 | 0.0 | 0.0 | - |
| lab*ich                      | 0.0 | 1.0 | 0.0 | - |
| lab*nch                      | 0.0 | 0.0 | 1.0 | - |
| relative Natural Colour (NC) |     |     |     |   |
| lab*trj                      | 0.0 | 0.0 | 0.0 | - |
| lab*trj                      | 0.0 | 0.0 | 0.0 | - |
| lab*trj                      | 0.0 | 0.0 | 0.0 | - |
| lab*trj                      | 0.0 | 0.0 | 0.0 | - |

relative Inform. Technology (IT)

|                             |       |       |      |       |
|-----------------------------|-------|-------|------|-------|
| olv3*                       | 0.75  | 0.75  | 0.75 | (1.0) |
| olv3*                       | 0.25  | 0.25  | 0.25 | (0.0) |
| olv4*                       | 1.0   | 1.0   | 1.0  | (1.0) |
| olv4*                       | 0.0   | 0.0   | 0.0  | (0.0) |
| olv4*                       | 0.0   | 0.0   | 0.0  | (0.0) |
| olv4*                       | 0.0   | 0.0   | 0.0  | (0.0) |
| standard and adapted CIELAB |       |       |      |       |
| LAB*LAB                     | 76.06 | -0.61 | 3.44 | -     |
| LAB*LAB                     | 76.06 | -0.61 | 3.44 | -     |
| LAB*LAB                     | 76.06 | -0.61 | 3.44 | -     |
| LAB*LAB                     | 76.06 | -0.61 | 3.44 | -     |

relative CIELAB lab\*

|                              |      |      |      |       |
|------------------------------|------|------|------|-------|
| lab*lab                      | 0.75 | 0.75 | 0.75 | (1.0) |
| lab*ich                      | 0.25 | 0.25 | 0.25 | (0.0) |
| lab*nch                      | 0.0  | 0.0  | 0.0  | -     |
| relative Natural Colour (NC) |      |      |      |       |
| lab*trj                      | 0.75 | 0.75 | 0.75 | (1.0) |
| lab*trj                      | 0.25 | 0.25 | 0.25 | (0.0) |
| lab*trj                      | 0.0  | 0.0  | 0.0  | -     |
| lab*trj                      | 0.0  | 0.0  | 0.0  | -     |

relative Inform. Technology (IT)

|                             |       |       |      |       |
|-----------------------------|-------|-------|------|-------|
| olv3*                       | 0.5   | 0.5   | 0.5  | (0.0) |
| olv3*                       | 0.5   | 0.5   | 0.5  | (0.0) |
| olv4*                       | 1.0   | 1.0   | 1.0  | (1.0) |
| olv4*                       | 0.0   | 0.0   | 0.0  | (0.0) |
| olv4*                       | 0.0   | 0.0   | 0.0  | (0.0) |
| olv4*                       | 0.0   | 0.0   | 0.0  | (0.0) |
| standard and adapted CIELAB |       |       |      |       |
| LAB*LAB                     | 56.71 | -0.24 | 2.14 | -     |
| LAB*LAB                     | 56.71 | -0.24 | 2.14 | -     |
| LAB*LAB                     | 56.71 | -0.24 | 2.14 | -     |
| LAB*LAB                     | 56.71 | -0.24 | 2.14 | -     |

relative CIELAB lab\*

|                              |     |     |     |       |
|------------------------------|-----|-----|-----|-------|
| lab*lab                      | 0.5 | 0.5 | 0.5 | (0.0) |
| lab*ich                      | 0.5 | 0.5 | 0.5 | (0.0) |
| lab*nch                      | 0.0 | 0.0 | 0.0 | -     |
| relative Natural Colour (NC) |     |     |     |       |
| lab*trj                      | 0.5 | 0.5 | 0.5 | (0.0) |
| lab*trj                      | 0.5 | 0.5 | 0.5 | (0.0) |
| lab*trj                      | 0.0 | 0.0 | 0.0 | -     |
| lab*trj                      | 0.0 | 0.0 | 0.0 | -     |

relative Inform. Technology (IT)

|                             |       |      |      |       |
|-----------------------------|-------|------|------|-------|
| olv3*                       | 0.25  | 0.25 | 0.25 | (1.0) |
| olv3*                       | 0.75  | 0.75 | 0.75 | (0.0) |
| olv4*                       | 1.0   | 1.0  | 1.0  | (1.0) |
| olv4*                       | 0.0   | 0.0  | 0.0  | (0.0) |
| olv4*                       | 0.0   | 0.0  | 0.0  | (0.0) |
| olv4*                       | 0.0   | 0.0  | 0.0  | (0.0) |
| standard and adapted CIELAB |       |      |      |       |
| LAB*LAB                     | 37.36 | 0.0  | 0.63 | -     |
| LAB*LAB                     | 37.36 | 0.0  | 0.63 | -     |
| LAB*LAB                     | 37.36 | 0.0  | 0.63 | -     |
| LAB*LAB                     | 37.36 | 0.0  | 0.63 | -     |

relative CIELAB lab\*

|                              |      |      |      |       |
|------------------------------|------|------|------|-------|
| lab*lab                      | 0.25 | 0.25 | 0.25 | (1.0) |
| lab*ich                      | 0.75 | 0.75 | 0.75 | (0.0) |
| lab*nch                      | 0.0  | 0.0  | 0.0  | -     |
| relative Natural Colour (NC) |      |      |      |       |
| lab*trj                      | 0.25 | 0.25 | 0.25 | (1.0) |
| lab*trj                      | 0.75 | 0.75 | 0.75 | (0.0) |
| lab*trj                      | 0.0  | 0.0  | 0.0  | -     |
| lab*trj                      | 0.0  | 0.0  | 0.0  | -     |

relative Inform. Technology (IT)

|                             |       |     |      |       |
|-----------------------------|-------|-----|------|-------|
| olv3*                       | 0.0   | 0.0 | 0.0  | (1.0) |
| olv3*                       | 0.0   | 0.0 | 0.0  | (0.0) |
| olv4*                       | 1.0   | 1.0 | 1.0  | (1.0) |
| olv4*                       | 0.0   | 0.0 | 0.0  | (0.0) |
| olv4*                       | 0.0   | 0.0 | 0.0  | (0.0) |
| olv4*                       | 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 | 0.47 | -     |
| LAB*LAB                     | 18.02 | 0.0 | 0.47 | -     |
| LAB*LAB                     | 18.02 | 0.0 | 0.47 | -     |

relative CIELAB lab\*

|                              |     |     |     |   |
|------------------------------|-----|-----|-----|---|
| lab*lab                      | 0.0 | 0.0 | 0.0 | - |
| lab*ich                      | 0.0 | 1.0 | 0.0 | - |
| lab*nch                      | 0.0 | 0.0 | 1.0 | - |
| relative Natural Colour (NC) |     |     |     |   |
| lab*trj                      | 0.0 | 0.0 | 0.0 | - |
| lab*trj                      | 0.0 | 0.0 | 0.0 | - |
| lab*trj                      | 0.0 | 0.0 | 0.0 | - |
| lab*trj                      | 0.0 | 0.0 | 0.0 | - |

relative Inform. Technology (IT)

|                             |      |      |      |       |
|-----------------------------|------|------|------|-------|
| olv3*                       | 0.0  | 0.0  | 0.0  | (1.0) |
| olv3*                       | 0.0  | 0.0  | 0.0  | (0.0) |
| olv4*                       | 1.0  | 1.0  | 1.0  | (1.0) |
| olv4*                       | 0.0  | 0.0  | 0.0  | (0.0) |
| olv4*                       | 0.0  | 0.0  | 0.0  | (0.0) |
| olv4*                       | 0.0  | 0.0  | 0.0  | (0.0) |
| standard and adapted CIELAB |      |      |      |       |
| LAB*LAB                     | 0.01 | 0.01 | 0.01 | -     |
| LAB*LAB                     | 0.01 | 0.01 | 0.01 | -     |
| LAB*LAB                     | 0.01 | 0.01 | 0.01 | -     |
| LAB*LAB                     | 0.01 | 0.01 | 0.01 | -     |

relative CIELAB lab\*

|                              |     |     |     |   |
|------------------------------|-----|-----|-----|---|
| lab*lab                      | 0.0 | 0.0 | 0.0 | - |
| lab*ich                      | 0.0 | 1.0 | 0.0 | - |
| lab*nch                      | 0.0 | 0.0 | 1.0 | - |
| relative Natural Colour (NC) |     |     |     |   |
| lab*trj                      | 0.0 | 0.0 | 0.0 | - |
| lab*trj                      | 0.0 | 0.0 | 0.0 | - |
| lab*trj                      | 0.0 | 0.0 | 0.0 | - |
| lab*trj                      | 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   | 0.5   | 1.0   | (1.0) |
| olv3*                       | 0.0   | 0.5   | 1.0   | (0.0) |
| olv4*                       | 1.0   | 0.5   | 1.0   | (1.0) |
| olv4*                       | 0.0   | 0.5   | 1.0   | (0.0) |
| olv4*                       | 0.0   | 0.5   | 1.0   | (0.0) |
| olv4*                       | 0.0   | 0.5   | 1.0   | (0.0) |
| standard and adapted CIELAB |       |       |       |       |
| LAB*LAB                     | 71.77 | 37.63 | -1.01 | -     |
| LAB*LAB                     | 71.77 | 37.63 | -1.01 | -     |
| LAB*LAB                     | 71.77 | 37.63 | -1.01 | -     |
| LAB*LAB                     | 71.77 | 37.63 | -1.01 | -     |

relative CIELAB lab\*

|                              |       |       |        |   |
|------------------------------|-------|-------|--------|---|
| lab*lab                      | 0.695 | 0.497 | -0.054 | - |
| lab*ich                      | 0.75  | 0.5   | 0.982  | - |
| lab*nch                      | 0.0   | 0.5   | 0.982  | - |
| relative Natural Colour (NC) |       |       |        |   |
| lab*trj                      | 0.695 | 0.454 | -0.208 | - |
| lab*trj                      | 0.75  | 0.5   | 0.982  | - |
| lab*trj                      | 0.0   | 0.5   | 0.982  | - |
| lab*trj                      | 0.0   | 0.5   | 0.982  | - |

relative Inform. Technology (IT)

|                             |       |       |       |       |
|-----------------------------|-------|-------|-------|-------|
| olv3*                       | 0.75  | 0.25  | 0.75  | (1.0) |
| olv3*                       | 0.25  | 0.75  | 0.25  | (0.0) |
| olv4*                       | 1.0   | 0.5   | 1.0   | (1.0) |
| olv4*                       | 0.0   | 0.5   | 1.0   | (0.0) |
| olv4*                       | 0.0   | 0.5   | 1.0   | (0.0) |
| olv4*                       | 0.0   | 0.5   | 1.0   | (0.0) |
| standard and adapted CIELAB |       |       |       |       |
| LAB*LAB                     | 52.42 | 37.64 | -1.17 | -     |
| LAB*LAB                     | 52.42 | 37.64 | -1.17 | -     |
| LAB*LAB                     | 52.42 | 37.64 | -1.17 | -     |
| LAB*LAB                     | 52.42 | 37.64 | -1.17 | -     |

relative CIELAB lab\*

|                              |       |       |        |   |
|------------------------------|-------|-------|--------|---|
| lab*lab                      | 0.542 | 0.745 | -0.082 | - |
| lab*ich                      | 0.625 | 0.75  | 0.982  | - |
| lab*nch                      | 0.0   | 0.75  | 0.982  | - |
| relative Natural Colour (NC) |       |       |        |   |
| lab*trj                      | 0.542 | 0.682 | -0.312 | - |
| lab*trj                      | 0.625 | 0.75  | 0.982  | - |
| lab*trj                      | 0.0   | 0.75  | 0.982  | - |
| lab*trj                      | 0.0   | 0.75  | 0.982  | - |

relative Inform. Technology (IT)

|                             |      |       |       |       |
|-----------------------------|------|-------|-------|-------|
| olv3*                       | 0.5  | 0.5   | 0.5   | (0.0) |
| olv3*                       | 0.5  | 0.5   | 0.5   | (0.0) |
| olv4*                       | 1.0  | 1.0   | 1.0   | (1.0) |
| olv4*                       | 0.0  | 1.0   | 1.0   | (0.0) |
| olv4*                       | 0.0  | 1.0   | 1.0   | (0.0) |
| olv4*                       | 0.0  | 1.0   | 1.0   | (0.0) |
| standard and adapted CIELAB |      |       |       |       |
| LAB*LAB                     | 40.6 | 56.52 | -5.21 | -     |
| LAB*LAB                     | 40.6 | 56.52 | -5.21 | -     |
| LAB*LAB                     | 40.6 | 56.52 | -5.21 | -     |
| LAB*LAB                     | 40.6 | 56.52 | -5.21 | -     |

relative CIELAB lab\*

|                              |       |       |        |   |
|------------------------------|-------|-------|--------|---|
| lab*lab                      | 0.292 | 0.745 | -0.082 | - |
| lab*ich                      | 0.375 | 0.75  | 0.982  | - |
| lab*nch                      | 0.0   | 0.75  | 0.982  | - |
| relative Natural Colour (NC) |       |       |        |   |
| lab*trj                      | 0.292 | 0.682 | -0.312 | - |
| lab*trj                      | 0.375 | 0.75  | 0.982  | - |
| lab*trj                      | 0.0   | 0.75  | 0.982  | - |
| lab*trj                      | 0.0   | 0.75  | 0.982  | - |

relative Inform. Technology (IT)

|                             |       |       |       |       |
|-----------------------------|-------|-------|-------|-------|
| olv3*                       | 0.25  | 0.25  | 0.25  | (1.0) |
| olv3*                       | 0.75  | 0.75  | 0.75  | (0.0) |
| olv4*                       | 1.0   | 1.0   | 1.0   | (1.0) |
| olv4*                       | 0.0   | 1.0   | 1.0   | (0.0) |
| olv4*                       | 0.0   | 1.0   | 1.0   | (0.0) |
| olv4*                       | 0.0   | 1.0   | 1.0   | (0.0) |
| standard and adapted CIELAB |       |       |       |       |
| LAB*LAB                     | 33.07 | 37.64 | -1.17 | -     |
| LAB*LAB                     | 33.07 | 37.64 | -1.17 | -     |
| LAB*LAB                     | 33.07 | 37.64 | -1.17 | -     |
| LAB*LAB                     | 33.07 | 37.64 | -1.17 | -     |

relative CIELAB lab\*

|                              |       |       |        |   |
|------------------------------|-------|-------|--------|---|
| lab*lab                      | 0.195 | 0.497 | -0.054 | - |
| lab*ich                      | 0.25  | 0.5   | 0.982  | - |
| lab*nch                      | 0.0   | 0.5   | 0.982  | - |
| relative Natural Colour (NC) |       |       |        |   |
| lab*trj                      | 0.195 | 0.454 | -0.208 | - |
| lab*trj                      | 0.25  | 0.5   | 0.982  | - |
| lab*trj                      | 0.0   | 0.5   | 0.982  | - |
| lab*trj                      | 0.0   | 0.5   | 0.982  | - |

relative Inform. Technology (IT)

|                             |       |     |     |       |
|-----------------------------|-------|-----|-----|-------|
| olv3*                       | 0.0   | 0.0 | 0.0 | (1.0) |
| olv3*                       | 0.0   | 0.0 | 0.0 | (0.0) |
| olv4*                       | 1.0   | 1.0 | 1.0 | (1.0) |
| olv4*                       | 0.0   | 1.0 | 1.0 | (0.0) |
| olv4*                       | 0.0   | 1.0 | 1.0 | (0.0) |
| olv4*                       | 0.0   | 1.0 | 1.0 | (0.0) |
| standard and adapted CIELAB |       |     |     |       |
| LAB*LAB                     | 18.03 | 0.0 | 0.0 | -     |
| LAB*LAB                     | 18.03 | 0.0 | 0.0 | -     |
| LAB*LAB                     | 18.03 | 0.0 | 0.0 | -     |
| LAB*LAB                     | 18.03 | 0.0 | 0.0 | -     |

relative CIELAB lab\*

|                              |     |     |     |   |
|------------------------------|-----|-----|-----|---|
| lab*lab                      | 0.0 | 0.0 | 0.0 | - |
| lab*ich                      | 0.0 | 1.0 | 0.0 | - |
| lab*nch                      | 0.0 | 0.0 | 1.0 | - |
| relative Natural Colour (NC) |     |     |     |   |
| lab*trj                      | 0.0 | 0.0 | 0.0 | - |
| lab*trj                      | 0.0 | 0.0 | 0.0 | - |
| lab*trj                      | 0.0 | 0.0 | 0.0 | - |
| lab*trj                      | 0.0 | 0.0 | 0.0 | - |

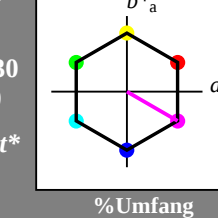
## Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18

für Buntton  $h^* = lab^*h = 330/360 = 0.917$

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

D65: Buntton M  
LCH\*Ma: 57 77 330  
olv\*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit  $t^*$



relative Inform. Technology (IT)

|                             |       |     |     |       |
|-----------------------------|-------|-----|-----|-------|
| olv3*                       | 1.0   | 1.0 | 1.0 | (1.0) |
| olv3*                       | 0.0   | 0.0 | 0.0 | (0.0) |
| olv4*                       | 1.0   | 1.0 | 1.0 | (1.0) |
| olv4*                       | 0.0   | 0.0 | 0.0 | (0.0) |
| olv4*                       | 0.0   | 0.0 | 0.0 | (0.0) |
| olv4*                       | 0.0   | 0.0 | 0.0 | (0.0) |
| standard and adapted CIELAB |       |     |     |       |
| LAB*LAB                     | 95.41 | 0.0 | 0.0 | -     |
| LAB*LAB                     | 95.41 | 0.0 | 0.0 | -     |
| LAB*LAB                     | 95.41 | 0.0 | 0.0 | -     |
| LAB*LAB                     | 95.41 | 0.0 | 0.0 | -     |

**relative Inform. Technology (IT)**

|               |     |      |     |     |
|---------------|-----|------|-----|-----|
| <i>olvi3*</i> | 1.0 | 0.75 | 1.0 |     |
| <i>cmyn3*</i> | 0.0 | 0.25 | 0.0 | (0) |
| <i>olvi4*</i> | 1.0 | 0.75 | 1.0 | 1.  |
| <i>cmyn4*</i> | 0.0 | 0.25 | 0.0 | 0.  |

**standard and adapted CIELAB**

|          |       |       |      |
|----------|-------|-------|------|
| LAB*LAB  | 85.73 | 16.75 | -9.  |
| LAB*LABa | 85.73 | 16.75 | -9.  |
| LAB*TCHa | 87.5  | 19.34 | 330. |





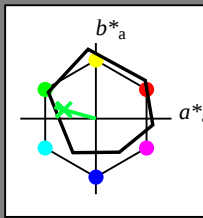
## Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

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

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

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 1.0 0.812 (1.0) |
| olv4*                            | 0.25 0.0 0.388 (0.0) |
| olv5*                            | 0.75 1.0 0.812 (1.0) |
| olv6*                            | 0.25 0.0 0.388 (0.0) |
| olv7*                            | 0.75 1.0 0.812 (1.0) |
| olv8*                            | 0.25 0.0 0.388 (0.0) |
| olv9*                            | 0.75 1.0 0.812 (1.0) |
| olv10*                           | 0.25 0.0 0.388 (0.0) |
| olv11*                           | 0.75 1.0 0.812 (1.0) |
| olv12*                           | 0.25 0.0 0.388 (0.0) |
| olv13*                           | 0.75 1.0 0.812 (1.0) |
| olv14*                           | 0.25 0.0 0.388 (0.0) |
| olv15*                           | 0.75 1.0 0.812 (1.0) |
| olv16*                           | 0.25 0.0 0.388 (0.0) |
| olv17*                           | 0.75 1.0 0.812 (1.0) |
| olv18*                           | 0.25 0.0 0.388 (0.0) |
| olv19*                           | 0.75 1.0 0.812 (1.0) |
| olv20*                           | 0.25 0.0 0.388 (0.0) |
| olv21*                           | 0.75 1.0 0.812 (1.0) |
| olv22*                           | 0.25 0.0 0.388 (0.0) |
| olv23*                           | 0.75 1.0 0.812 (1.0) |
| olv24*                           | 0.25 0.0 0.388 (0.0) |
| olv25*                           | 0.75 1.0 0.812 (1.0) |
| olv26*                           | 0.25 0.0 0.388 (0.0) |
| olv27*                           | 0.75 1.0 0.812 (1.0) |
| olv28*                           | 0.25 0.0 0.388 (0.0) |
| olv29*                           | 0.75 1.0 0.812 (1.0) |
| olv30*                           | 0.25 0.0 0.388 (0.0) |
| olv31*                           | 0.75 1.0 0.812 (1.0) |
| olv32*                           | 0.25 0.0 0.388 (0.0) |
| olv33*                           | 0.75 1.0 0.812 (1.0) |
| olv34*                           | 0.25 0.0 0.388 (0.0) |
| olv35*                           | 0.75 1.0 0.812 (1.0) |
| olv36*                           | 0.25 0.0 0.388 (0.0) |
| olv37*                           | 0.75 1.0 0.812 (1.0) |
| olv38*                           | 0.25 0.0 0.388 (0.0) |
| olv39*                           | 0.75 1.0 0.812 (1.0) |
| olv40*                           | 0.25 0.0 0.388 (0.0) |
| olv41*                           | 0.75 1.0 0.812 (1.0) |
| olv42*                           | 0.25 0.0 0.388 (0.0) |
| olv43*                           | 0.75 1.0 0.812 (1.0) |
| olv44*                           | 0.25 0.0 0.388 (0.0) |
| olv45*                           | 0.75 1.0 0.812 (1.0) |
| olv46*                           | 0.25 0.0 0.388 (0.0) |
| olv47*                           | 0.75 1.0 0.812 (1.0) |
| olv48*                           | 0.25 0.0 0.388 (0.0) |
| olv49*                           | 0.75 1.0 0.812 (1.0) |
| olv50*                           | 0.25 0.0 0.388 (0.0) |
| olv51*                           | 0.75 1.0 0.812 (1.0) |
| olv52*                           | 0.25 0.0 0.388 (0.0) |
| olv53*                           | 0.75 1.0 0.812 (1.0) |
| olv54*                           | 0.25 0.0 0.388 (0.0) |
| olv55*                           | 0.75 1.0 0.812 (1.0) |
| olv56*                           | 0.25 0.0 0.388 (0.0) |
| olv57*                           | 0.75 1.0 0.812 (1.0) |
| olv58*                           | 0.25 0.0 0.388 (0.0) |
| olv59*                           | 0.75 1.0 0.812 (1.0) |
| olv60*                           | 0.25 0.0 0.388 (0.0) |
| olv61*                           | 0.75 1.0 0.812 (1.0) |
| olv62*                           | 0.25 0.0 0.388 (0.0) |
| olv63*                           | 0.75 1.0 0.812 (1.0) |
| olv64*                           | 0.25 0.0 0.388 (0.0) |
| olv65*                           | 0.75 1.0 0.812 (1.0) |
| olv66*                           | 0.25 0.0 0.388 (0.0) |
| olv67*                           | 0.75 1.0 0.812 (1.0) |
| olv68*                           | 0.25 0.0 0.388 (0.0) |
| olv69*                           | 0.75 1.0 0.812 (1.0) |
| olv70*                           | 0.25 0.0 0.388 (0.0) |
| olv71*                           | 0.75 1.0 0.812 (1.0) |
| olv72*                           | 0.25 0.0 0.388 (0.0) |
| olv73*                           | 0.75 1.0 0.812 (1.0) |
| olv74*                           | 0.25 0.0 0.388 (0.0) |
| olv75*                           | 0.75 1.0 0.812 (1.0) |
| olv76*                           | 0.25 0.0 0.388 (0.0) |
| olv77*                           | 0.75 1.0 0.812 (1.0) |
| olv78*                           | 0.25 0.0 0.388 (0.0) |
| olv79*                           | 0.75 1.0 0.812 (1.0) |
| olv80*                           | 0.25 0.0 0.388 (0.0) |
| olv81*                           | 0.75 1.0 0.812 (1.0) |
| olv82*                           | 0.25 0.0 0.388 (0.0) |
| olv83*                           | 0.75 1.0 0.812 (1.0) |
| olv84*                           | 0.25 0.0 0.388 (0.0) |
| olv85*                           | 0.75 1.0 0.812 (1.0) |
| olv86*                           | 0.25 0.0 0.388 (0.0) |
| olv87*                           | 0.75 1.0 0.812 (1.0) |
| olv88*                           | 0.25 0.0 0.388 (0.0) |
| olv89*                           | 0.75 1.0 0.812 (1.0) |
| olv90*                           | 0.25 0.0 0.388 (0.0) |
| olv91*                           | 0.75 1.0 0.812 (1.0) |
| olv92*                           | 0.25 0.0 0.388 (0.0) |
| olv93*                           | 0.75 1.0 0.812 (1.0) |
| olv94*                           | 0.25 0.0 0.388 (0.0) |
| olv95*                           | 0.75 1.0 0.812 (1.0) |
| olv96*                           | 0.25 0.0 0.388 (0.0) |
| olv97*                           | 0.75 1.0 0.812 (1.0) |
| olv98*                           | 0.25 0.0 0.388 (0.0) |
| olv99*                           | 0.75 1.0 0.812 (1.0) |
| olv100*                          | 0.25 0.0 0.388 (0.0) |

| relative Inform. Technology (IT) |                      |
|----------------------------------|----------------------|
| olv3*                            | 0.75 1.0 0.812 (1.0) |
| olv4*                            | 0.25 0.0 0.388 (0.0) |
| olv5*                            | 0.75 1.0 0.812 (1.0) |
| olv6*                            | 0.25 0.0 0.388 (0.0) |
| olv7*                            | 0.75 1.0 0.812 (1.0) |
| olv8*                            | 0.25 0.0 0.388 (0.0) |
| olv9*                            | 0.75 1.0 0.812 (1.0) |
| olv10*                           | 0.25 0.0 0.388 (0.0) |
| olv11*                           | 0.75 1.0 0.812 (1.0) |
| olv12*                           | 0.25 0.0 0.388 (0.0) |
| olv13*                           | 0.75 1.0 0.812 (1.0) |
| olv14*                           | 0.25 0.0 0.388 (0.0) |
| olv15*                           | 0.75 1.0 0.812 (1.0) |
| olv16*                           | 0.25 0.0 0.388 (0.0) |
| olv17*                           | 0.75 1.0 0.812 (1.0) |
| olv18*                           | 0.25 0.0 0.388 (0.0) |
| olv19*                           | 0.75 1.0 0.812 (1.0) |
| olv20*                           | 0.25 0.0 0.388 (0.0) |
| olv21*                           | 0.75 1.0 0.812 (1.0) |
| olv22*                           | 0.25 0.0 0.388 (0.0) |
| olv23*                           | 0.75 1.0 0.812 (1.0) |
| olv24*                           | 0.25 0.0 0.388 (0.0) |
| olv25*                           | 0.75 1.0 0.812 (1.0) |
| olv26*                           | 0.25 0.0 0.388 (0.0) |
| olv27*                           | 0.75 1.0 0.812 (1.0) |
| olv28*                           | 0.25 0.0 0.388 (0.0) |
| olv29*                           | 0.75 1.0 0.812 (1.0) |
| olv30*                           | 0.25 0.0 0.388 (0.0) |
| olv31*                           | 0.75 1.0 0.812 (1.0) |
| olv32*                           | 0.25 0.0 0.388 (0.0) |
| olv33*                           | 0.75 1.0 0.812 (1.0) |
| olv34*                           | 0.25 0.0 0.388 (0.0) |
| olv35*                           | 0.75 1.0 0.812 (1.0) |
| olv36*                           | 0.25 0.0 0.388 (0.0) |
| olv37*                           | 0.75 1.0 0.812 (1.0) |
| olv38*                           | 0.25 0.0 0.388 (0.0) |
| olv39*                           | 0.75 1.0 0.812 (1.0) |
| olv40*                           | 0.25 0.0 0.388 (0.0) |
| olv41*                           | 0.75 1.0 0.812 (1.0) |
| olv42*                           | 0.25 0.0 0.388 (0.0) |
| olv43*                           | 0.75 1.0 0.812 (1.0) |
| olv44*                           | 0.25 0.0 0.388 (0.0) |
| olv45*                           | 0.75 1.0 0.812 (1.0) |
| olv46*                           | 0.25 0.0 0.388 (0.0) |
| olv47*                           | 0.75 1.0 0.812 (1.0) |
| olv48*                           | 0.25 0.0 0.388 (0.0) |
| olv49*                           | 0.75 1.0 0.812 (1.0) |
| olv50*                           | 0.25 0.0 0.388 (0.0) |
| olv51*                           | 0.75 1.0 0.812 (1.0) |
| olv52*                           | 0.25 0.0 0.388 (0.0) |
| olv53*                           | 0.75 1.0 0.812 (1.0) |
| olv54*                           | 0.25 0.0 0.388 (0.0) |
| olv55*                           | 0.75 1.0 0.812 (1.0) |
| olv56*                           | 0.25 0.0 0.388 (0.0) |
| olv57*                           | 0.75 1.0 0.812 (1.0) |
| olv58*                           | 0.25 0.0 0.388 (0.0) |
| olv59*                           | 0.75 1.0 0.812 (1.0) |
| olv60*                           | 0.25 0.0 0.388 (0.0) |
| olv61*                           | 0.75 1.0 0.812 (1.0) |
| olv62*                           | 0.25 0.0 0.388 (0.0) |
| olv63*                           | 0.75 1.0 0.812 (1.0) |
| olv64*                           | 0.25 0.0 0.388 (0.0) |
| olv65*                           | 0.75 1.0 0.812 (1.0) |
| olv66*                           | 0.25 0.0 0.388 (0.0) |
| olv67*                           | 0.75 1.0 0.812 (1.0) |
| olv68*                           | 0.25 0.0 0.388 (0.0) |
| olv69*                           | 0.75 1.0 0.812 (1.0) |
| olv70*                           | 0.25 0.0 0.388 (0.0) |
| olv71*                           | 0.75 1.0 0.812 (1.0) |
| olv72*                           | 0.25 0.0 0.388 (0.0) |
| olv73*                           | 0.75 1.0 0.812 (1.0) |
| olv74*                           | 0.25 0.0 0.388 (0.0) |
| olv75*                           | 0.75 1.0 0.812 (1.0) |
| olv76*                           | 0.25 0.0 0.388 (0.0) |
| olv77*                           | 0.75 1.0 0.812 (1.0) |
| olv78*                           | 0.25 0.0 0.388 (0.0) |
| olv79*                           | 0.75 1.0 0.812 (1.0) |
| olv80*                           | 0.25 0.0 0.388 (0.0) |
| olv81*                           | 0.75 1.0 0.812 (1.0) |
| olv82*                           | 0.25 0.0 0.388 (0.0) |
| olv83*                           | 0.75 1.0 0.812 (1.0) |
| olv84*                           | 0.25 0.0 0.388 (0.0) |
| olv85*                           | 0.75 1.0 0.812 (1.0) |
| olv86*                           | 0.25 0.0 0.388 (0.0) |
| olv87*                           | 0.75 1.0 0.812 (1.0) |
| olv88*                           | 0.25 0.0 0.388 (0.0) |
| olv89*                           | 0.75 1.0 0.812 (1.0) |
| olv90*                           | 0.25 0.0 0.388 (0.0) |
| olv91*                           | 0.75 1.0 0.812 (1.0) |
| olv92*                           | 0.25 0.0 0.388 (0.0) |
| olv93*                           | 0.75 1.0 0.812 (1.0) |
| olv94*                           | 0.25 0.0 0.388 (0.0) |
| olv95*                           | 0.75 1.0 0.812 (1.0) |
| olv96*                           | 0.25 0.0 0.388 (0.0) |
| olv97*                           | 0.75 1.0 0.812 (1.0) |
| olv98*                           | 0.25 0.0 0.388 (0.0) |
| olv99*                           | 0.75 1.0 0.812 (1.0) |
| olv100*                          | 0.25 0.0 0.388 (0.0) |

| relative Inform. Technology (IT) |                        |
|----------------------------------|------------------------|
| olv3*                            | 0.75 1.0 0.812 (1.0)   |
| olv4*                            | 0.25 0.0 0.388 (0.0)   |
| olv5*                            | 0.75 1.0 0.812 (1.0)   |
| olv6*                            | 0.25 0.0 0.388 (0.0)   |
| olv7*                            | 0.75 1.0 0.812 (1.0)   |
| olv8*                            | 0.25 0.0 0.388 (0.0)   |
| olv9*                            | 0.75 1.0 0.812 (1.0)   |
| olv10*                           | 0.25 0.0 0.388 (0.0)   |
| olv11*                           | 0.75 1.0 0.812 (1.0)   |
| olv12*                           | 0.25 0.0 0.388 (0.0)   |
| olv13*                           | 0.75 1.0 0.812 (1.0)   |
| olv14*                           | 0.25 0.0 0.388 (0.0)   |
| olv15*                           | 0.75 1.0 0.812 (1.0)   |
| olv16*                           | 0.25 0.0 0.388 (0.0)   |
| olv17*                           | 0.75 1.0 0.812 (1.0)</ |

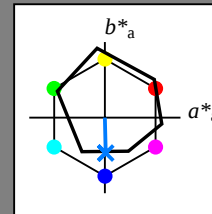
### Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

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  $t^*$



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 0.0 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*lrj 1.0 0.0 0.0  
lab\*lce 1.0 0.0 0.0  
lab\*nce 0.0 0.0 0.0

relative Inform. Technology (IT)  
olv3\* 0.75 0.75 0.75 (1.0)  
cmyn3\* 0.25 0.25 0.25 (0.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 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\*ch 0.75 0.0 0.0  
lab\*nch 0.75 0.0 0.0  
relative Natural Colour (NC)  
lab\*lrj 0.75 0.0 0.0  
lab\*lce 0.75 0.0 0.0  
lab\*nce 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\*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\*ch 0.5 0.0 0.0  
lab\*nch 0.5 0.0 0.0  
relative Natural Colour (NC)  
lab\*lrj 0.5 0.0 0.0  
lab\*lce 0.5 0.0 0.0  
lab\*nce 0.5 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 -0.83 0.63  
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\*ch 0.25 0.0 0.0  
lab\*nch 0.25 0.0 0.0  
relative Natural Colour (NC)  
lab\*lrj 0.25 0.0 0.0  
lab\*lce 0.25 0.0 0.0  
lab\*nce 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 0.47 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\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*lrj 0.0 0.0 0.0  
lab\*lce 0.0 0.0 0.0  
lab\*nce 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 0.5 0.5 (1.0)  
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 68.6 0.07 -19.39  
LAB\*LABa 68.6 0.5 -22.34  
LAB\*LABb 75.0 22.36 27.14

relative CIELAB lab\*  
lab\*lab 0.654 0.012 -0.499  
lab\*ch 0.75 0.5 0.754  
lab\*nch 0.0 0.5 0.754  
relative Natural Colour (NC)  
lab\*lrj 0.654 0.5 -0.499  
lab\*lce 0.75 0.5 0.75  
lab\*nce 0.0 0.5 0.75

relative Inform. Technology (IT)  
olv3\* 0.25 0.25 0.25 (1.0)  
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 49.25 0.45 -20.7  
LAB\*LABa 49.25 0.5 -22.35  
LAB\*LABb 50.0 22.36 27.14

relative CIELAB lab\*  
lab\*lab 0.48 0.012 -0.499  
lab\*ch 0.5 0.5 0.754  
lab\*nch 0.0 0.5 0.754  
relative Natural Colour (NC)  
lab\*lrj 0.48 0.5 -0.499  
lab\*lce 0.5 0.5 0.75  
lab\*nce 0.0 0.5 0.75

relative Inform. Technology (IT)  
olv3\* 0.0 0.244 0.5 (1.0)  
cmyn3\* 1.0 0.756 0.5 (0.0)  
olv4\* 0.75 0.75 0.75 (1.0)  
cmyn4\* 0.5 0.25 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 29.9 0.5 -22.34  
LAB\*LABa 29.9 0.5 -22.34  
LAB\*LABb 25.01 22.36 27.14

relative CIELAB lab\*  
lab\*lab 0.154 0.012 -0.499  
lab\*ch 0.25 0.5 0.754  
lab\*nch 0.0 0.5 0.754  
relative Natural Colour (NC)  
lab\*lrj 0.154 0.5 -0.499  
lab\*lce 0.25 0.5 0.75  
lab\*nce 0.0 0.5 0.75

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 0.878 0.5 (0.0)  
olv4\* 0.75 0.75 0.75 (1.0)  
cmyn4\* 0.25 0.128 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 23.96 0.66 -11.23  
LAB\*LABa 23.96 0.66 -11.23  
LAB\*LABb 12.5 11.18 27.14

relative CIELAB lab\*  
lab\*lab 0.077 0.006 -0.249  
lab\*ch 0.125 0.25 0.754  
lab\*nch 0.0 0.25 0.754  
relative Natural Colour (NC)  
lab\*lrj 0.077 0.25 0.249  
lab\*lce 0.125 0.25 0.75  
lab\*nce 0.0 0.25 0.75

$n^* = 0.50$

relative Inform. Technology (IT)  
olv3\* 0.25 0.616 1.0 (1.0)  
cmyn3\* 0.75 0.384 0.0 (0.0)  
olv4\* 0.25 0.616 1.0 (1.0)  
cmyn4\* 0.75 0.384 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 55.19 0.61 -31.48  
LAB\*LABa 55.19 0.62 -33.52  
LAB\*LABb 62.5 33.54 27.14

relative CIELAB lab\*  
lab\*lab 0.48 0.018 -0.749  
lab\*ch 0.625 0.75 0.754  
lab\*nch 0.0 0.75 0.754  
relative Natural Colour (NC)  
lab\*lrj 0.48 0.0 -0.749  
lab\*lce 0.625 0.75 0.75  
lab\*nce 0.0 0.75 0.75

relative Inform. Technology (IT)  
olv3\* 0.0 0.368 0.75 (1.0)  
cmyn3\* 0.75 0.506 0.25 (0.0)  
olv4\* 0.75 0.75 0.75 (1.0)  
cmyn4\* 0.5 0.254 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 49.25 0.45 -20.7  
LAB\*LABa 49.25 0.5 -22.35  
LAB\*LABb 50.0 22.36 27.14

relative CIELAB lab\*  
lab\*lab 0.48 0.018 -0.749  
lab\*ch 0.625 0.75 0.754  
lab\*nch 0.0 0.75 0.754  
relative Natural Colour (NC)  
lab\*lrj 0.48 0.0 -0.749  
lab\*lce 0.625 0.75 0.75  
lab\*nce 0.0 0.75 0.75

relative Inform. Technology (IT)  
olv3\* 0.25 0.616 1.0 (1.0)  
cmyn3\* 0.75 0.384 0.0 (0.0)  
olv4\* 0.25 0.616 1.0 (1.0)  
cmyn4\* 0.75 0.384 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 55.19 0.61 -31.48  
LAB\*LABa 55.19 0.62 -33.52  
LAB\*LABb 62.5 33.54 27.14

relative CIELAB lab\*  
lab\*lab 0.48 0.018 -0.749  
lab\*ch 0.625 0.75 0.754  
lab\*nch 0.0 0.75 0.754  
relative Natural Colour (NC)  
lab\*lrj 0.48 0.0 -0.749  
lab\*lce 0.625 0.75 0.75  
lab\*nce 0.0 0.75 0.75

relative Inform. Technology (IT)  
olv3\* 0.25 0.616 1.0 (1.0)  
cmyn3\* 0.75 0.384 0.0 (0.0)  
olv4\* 0.25 0.616 1.0 (1.0)  
cmyn4\* 0.75 0.384 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 55.19 0.61 -31.48  
LAB\*LABa 55.19 0.62 -33.52  
LAB\*LABb 62.5 33.54 27.14

$n^* = 0.00$

relative Inform. Technology (IT)  
olv3\* 0.0 0.368 0.75 (1.0)  
cmyn3\* 0.75 0.506 0.25 (0.0)  
olv4\* 0.75 0.75 0.75 (1.0)  
cmyn4\* 0.5 0.254 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 49.25 0.45 -20.7  
LAB\*LABa 49.25 0.5 -22.35  
LAB\*LABb 50.0 22.36 27.14

relative CIELAB lab\*  
lab\*lab 0.48 0.018 -0.749  
lab\*ch 0.625 0.75 0.754  
lab\*nch 0.0 0.75 0.754  
relative Natural Colour (NC)  
lab\*lrj 0.48 0.0 -0.749  
lab\*lce 0.625 0.75 0.75  
lab\*nce 0.0 0.75 0.75

relative Inform. Technology (IT)  
olv3\* 0.25 0.616 1.0 (1.0)  
cmyn3\* 0.75 0.384 0.0 (0.0)  
olv4\* 0.25 0.616 1.0 (1.0)  
cmyn4\* 0.75 0.384 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 55.19 0.61 -31.48  
LAB\*LABa 55.19 0.62 -33.52  
LAB\*LABb 62.5 33.54 27.14

relative CIELAB lab\*  
lab\*lab 0.48 0.018 -0.749  
lab\*ch 0.625 0.75 0.754  
lab\*nch 0.0 0.75 0.754  
relative Natural Colour (NC)  
lab\*lrj 0.48 0.0 -0.749  
lab\*lce 0.625 0.75 0.75  
lab\*nce 0.0 0.75 0.75

$n^* = 0.25$

relative Inform. Technology (IT)  
olv3\* 0.0 0.368 0.75 (1.0)  
cmyn3\* 0.75 0.506 0.25 (0.0)  
olv4\* 0.75 0.75 0.75 (1.0)  
cmyn4\* 0.5 0.254 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 49.25 0.45 -20.7  
LAB\*LABa 49.25 0.5 -22.35  
LAB\*LABb 50.0 22.36 27.14

relative CIELAB lab\*  
lab\*lab 0.48 0.018 -0.749  
lab\*ch 0.625 0.75 0.754  
lab\*nch 0.0 0.75 0.754  
relative Natural Colour (NC)  
lab\*lrj 0.48 0.0 -0.749  
lab\*lce 0.625 0.75 0.75  
lab\*nce 0.0 0.75 0.75

relative Inform. Technology (IT)  
olv3\* 0.25 0.616 1.0 (1.0)  
cmyn3\* 0.75 0.384 0.0 (0.0)  
olv4\* 0.25 0.616 1.0 (1.0)  
cmyn4\* 0.75 0.384 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 55.19 0.61 -31.48  
LAB\*LABa 55.19 0.62 -33.52  
LAB\*LABb 62.5 33.54 27.14

relative CIELAB lab\*  
lab\*lab 0.48 0.018 -0.749  
lab\*ch 0.625 0.75 0.754  
lab\*nch 0.0 0.75 0.754  
relative Natural Colour (NC)  
lab\*lrj 0.48 0.0 -0.749  
lab\*lce 0.625 0.75 0.75  
lab\*nce 0.0 0.75 0.75

$n^* = 0.50$

relative Inform. Technology (IT)  
olv3\* 0.0 0.368 0.75 (1.0)  
cmyn3\* 0.75 0.506 0.25 (0.0)  
olv4\* 0.75 0.75 0.75 (1.0)  
cmyn4\* 0.5 0.254 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 49.25 0.45 -20.7  
LAB\*LABa 49.25 0.5 -22.35  
LAB\*LABb 50.0 22.36 27.14

relative CIELAB lab\*  
lab\*lab 0.48 0.018 -0.749  
lab\*ch 0.625 0.75 0.754  
lab\*nch 0.0 0.75 0.754  
relative Natural Colour (NC)  
lab\*lrj 0.48 0.0 -0.749  
lab\*lce 0.625 0.75 0.75  
lab\*nce 0.0 0.75 0.75

relative Inform. Technology (IT)  
olv3\* 0.25 0.616 1.0 (1.0)  
cmyn3\* 0.75 0.384 0.0 (0.0)  
olv4\* 0.25 0.616 1.0 (1.0)  
cmyn4\* 0.75 0.384 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 55.19 0.61 -31.48  
LAB\*LABa 55.19 0.62 -33.52  
LAB\*LABb 62.5 33.54 27.14

relative CIELAB lab\*  
lab\*lab 0.48 0.018 -0.749  
lab\*ch 0.625 0.75 0.754  
lab\*nch 0.0 0.75 0.754  
relative Natural Colour (NC)  
lab\*lrj 0.48 0.0 -0.749  
lab\*lce 0.625 0.75 0.75  
lab\*nce 0.0 0.75 0.75

$n^* = 1.0$

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 0.0 0.0  
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 0.0 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*lrj 1.0 0.0 0.0  
lab\*lce 1.0 0.0 0.0  
lab\*nce 0.0 0.0 0.0

relative Inform. Technology (IT)  
olv3\* 0.75 0.75 0.75 (1.0)  
cmyn3\* 0.25 0.25 0.25 (0.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 76.07 0.0 0.0  
LAB\*LABa 76.07 0.0 0.0  
LAB\*LABb 75.0 0.01 0.0

relative CIELAB lab\*  
lab\*lab 0.75 0.0 0.0  
lab\*ch 0.75 0.0 0.0  
lab\*nch 0.75 0.0 0.0  
relative Natural Colour (NC)  
lab\*lrj 0.75 0.0 0.0  
lab\*lce 0.75 0.0 0.0  
lab\*nce 0.75 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 56.72 0.0 0.0  
LAB\*LABa 56.72 0.0 0.0  
LAB\*LABb 50.0 0.01 0.0

relative CIELAB lab\*  
lab\*lab 0.5 0.0 0.0  
lab\*ch 0.5 0.0 0.0  
lab\*nch 0.5 0.0 0.0  
relative Natural Colour (NC)  
lab\*lrj 0.5 0.0 0.0  
lab\*lce 0.5 0.0 0.0  
lab\*nce 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 (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 0.0 0.0  
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 0.0  
lab\*ch 0.25 0.0 0.0  
lab\*nch 0.25 0.0 0.0  
relative Natural Colour (NC)  
lab\*lrj 0.25 0.0 0.0  
lab\*lce 0.25 0.0 0.0  
lab\*nce 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 18.03 0.0 0.0  
LAB\*LABa 18.03 0.0 0.0  
LAB\*LABb 0.01 0.01 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\*lrj 0.0 0.0 0.0  
lab\*lce 0.0 0.0 0.0  
lab\*nce 0.0 0.0 0.0

$n^* = 1.0$

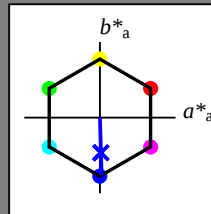
### Ausgabe: Farbmetrisches Standard-Reflektiv-System SRS18

für Buntton  $h^* = lab^*h = 272/360 = 0.755$

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

D65: Buntton B  
LCH\*Ma: 57 76 272  
olv\*Ma: 0.03 0.0 1.0

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 0.0 0.0  
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 0.0 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*lrj 1.0 0.0 0.0  
lab\*lce 1.0 0.0 0.0  
lab\*nce 0.0 0.0 0.0

relative Inform. Technology (IT)  
olv3\* 0.75 0.75 0.75 (1.0)  
cmyn3\* 0.25 0.25 0.25 (0.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 76.07 0.0 0.0  
LAB\*LABa 76.07 0.0 0.0  
LAB\*LABb 75.0 0.01 0.0

relative CIELAB lab\*  
lab\*lab 0.75 0.0 0.0  
lab\*ch 0.75 0.0 0.0  
lab\*nch 0.75 0.0 0.0  
relative Natural Colour (NC)  
lab\*lrj 0.75 0.0 0.0  
lab\*lce 0.75 0.0 0.0  
lab\*nce 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 56.72 0.0 0.0  
LAB\*LABa 56.72 0.0 0.0  
LAB\*LABb 50.0 0.01 0.0

relative CIELAB lab\*  
lab\*lab 0.5 0.0 0.0  
lab\*ch 0.5 0.0 0.0  
lab\*nch 0.5 0.0 0.0  
relative Natural Colour (NC)  
lab\*lrj 0.5 0.0 0.0  
lab\*lce 0.5 0.0 0.0  
lab\*nce 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 (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 0.0 0.0  
LAB\*LABa 37.36 0.0 0.0