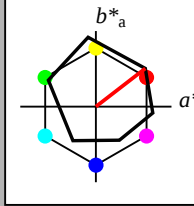


Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18  
für Buntton  $h^* = lab^*h = 38/360 = 0.105$   
 $lab^*ich$  und  $lab^*nch$

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

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\*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\*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 76.06 0.0 0.0  
LAB\*LABc 76.06 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.847 0.198 0.153  
lab\*ich 0.875 0.25 0.105  
lab\*nch 0.0 0.25 0.105  
relative Natural Colour (NC)  
lab\*lab 0.847 0.238 0.075  
lab\*ich 0.875 0.25 0.048  
lab\*nch 0.0 0.25 0.19

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 0.597 0.198 0.153  
lab\*ich 0.625 0.25 0.105  
lab\*nch 0.0 0.25 0.105  
relative Natural Colour (NC)  
lab\*lab 0.597 0.238 0.075  
lab\*ich 0.625 0.25 0.048  
lab\*nch 0.0 0.25 0.19

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 0.83  
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 0.198 0.153  
lab\*ich 0.375 0.25 0.105  
lab\*nch 0.0 0.25 0.105  
relative Natural Colour (NC)  
lab\*lab 0.347 0.238 0.075  
lab\*ich 0.375 0.25 0.048  
lab\*nch 0.0 0.25 0.19

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 22.98 0.37 0.83  
LAB\*LABa 22.98 0.0 0.0  
LAB\*LABb 22.98 0.0 0.0  
LAB\*LABc 22.98 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.193 0.198 0.153  
lab\*ich 0.225 0.25 0.105  
lab\*nch 0.0 0.25 0.105  
relative Natural Colour (NC)  
lab\*lab 0.193 0.238 0.075  
lab\*ich 0.225 0.25 0.048  
lab\*nch 0.0 0.25 0.19

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 0.0  
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 0.198 0.153  
lab\*ich 0.125 0.25 0.105  
lab\*nch 0.0 0.25 0.105  
relative Natural Colour (NC)  
lab\*lab 0.097 0.238 0.075  
lab\*ich 0.125 0.25 0.048  
lab\*nch 0.0 0.25 0.19

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 0.0  
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 0.198 0.153  
lab\*ich 0.125 0.25 0.105  
lab\*nch 0.0 0.25 0.105  
relative Natural Colour (NC)  
lab\*lab 0.097 0.238 0.075  
lab\*ich 0.125 0.25 0.048  
lab\*nch 0.0 0.25 0.19

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 0.0  
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 0.198 0.153  
lab\*ich 0.125 0.25 0.105  
lab\*nch 0.0 0.25 0.105  
relative Natural Colour (NC)  
lab\*lab 0.097 0.238 0.075  
lab\*ich 0.125 0.25 0.048  
lab\*nch 0.0 0.25 0.19

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 0.0  
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 0.198 0.153  
lab\*ich 0.125 0.25 0.105  
lab\*nch 0.0 0.25 0.105  
relative Natural Colour (NC)  
lab\*lab 0.097 0.238 0.075  
lab\*ich 0.125 0.25 0.048  
lab\*nch 0.0 0.25 0.19

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 0.0  
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 0.198 0.153  
lab\*ich 0.125 0.25 0.105  
lab\*nch 0.0 0.25 0.105  
relative Natural Colour (NC)  
lab\*lab 0.097 0.238 0.075  
lab\*ich 0.125 0.25 0.048  
lab\*nch 0.0 0.25 0.19

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 0.5 (1.0)  
cmyn3\* 0.0 0.5 0.5 (0.0)  
olv4\* 1.0 0.5 0.5 (1.0)  
cmyn4\* 0.0 0.5 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 71.67 32.15 28.41  
LAB\*LABa 71.67 32.15 28.41  
LAB\*LABb 71.67 32.15 28.41  
LAB\*LABc 71.67 32.15 28.41

relative CIELAB lab\*  
lab\*lab 0.693 0.396 0.306  
lab\*ich 0.75 0.5 0.105  
lab\*nch 0.0 0.5 0.105  
relative Natural Colour (NC)  
lab\*lab 0.693 0.477 0.15  
lab\*ich 0.75 0.5 0.048  
lab\*nch 0.0 0.5 0.19

relative Inform. Technology (IT)  
olv3\* 0.75 0.25 0.25 (1.0)  
cmyn3\* 0.25 0.75 0.75 (0.0)  
olv4\* 1.0 0.5 0.5 (1.0)  
cmyn4\* 0.0 0.5 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 59.8 48.73 40.24  
LAB\*LABa 59.8 48.73 40.24  
LAB\*LABb 59.8 48.73 40.24  
LAB\*LABc 59.8 48.73 40.24

relative CIELAB lab\*  
lab\*lab 0.54 0.593 0.458  
lab\*ich 0.625 0.75 0.105  
lab\*nch 0.0 0.75 0.105  
relative Natural Colour (NC)  
lab\*lab 0.54 0.716 0.224  
lab\*ich 0.625 0.75 0.048  
lab\*nch 0.0 0.75 0.19

relative Inform. Technology (IT)  
olv3\* 0.75 0.0 0.0 (1.0)  
cmyn3\* 0.25 0.75 0.75 (0.0)  
olv4\* 1.0 0.5 0.5 (1.0)  
cmyn4\* 0.0 0.5 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 52.33 32.53 27.11  
LAB\*LABa 52.33 32.53 27.11  
LAB\*LABb 52.33 32.53 27.11  
LAB\*LABc 52.33 32.53 27.11

relative CIELAB lab\*  
lab\*lab 0.443 0.396 0.306  
lab\*ich 0.5 0.5 0.105  
lab\*nch 0.0 0.5 0.105  
relative Natural Colour (NC)  
lab\*lab 0.443 0.477 0.15  
lab\*ich 0.5 0.5 0.048  
lab\*nch 0.0 0.5 0.19

relative Inform. Technology (IT)  
olv3\* 0.5 0.0 0.0 (1.0)  
cmyn3\* 0.25 1.0 0.0 (0.0)  
olv4\* 1.0 0.5 0.5 (1.0)  
cmyn4\* 0.0 0.5 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 47.94 65.37 30.51  
LAB\*LABa 47.94 65.37 30.51  
LAB\*LABb 47.94 65.37 30.51  
LAB\*LABc 47.94 65.37 30.51

relative CIELAB lab\*  
lab\*lab 0.387 0.791 0.611  
lab\*ich 0.5 1.0 0.105  
lab\*nch 0.0 1.0 0.105  
relative Natural Colour (NC)  
lab\*lab 0.387 0.954 0.299  
lab\*ich 0.5 1.0 0.048  
lab\*nch 0.0 1.0 0.19

relative Inform. Technology (IT)  
olv3\* 0.5 0.0 0.0 (1.0)  
cmyn3\* 0.25 1.0 0.0 (0.0)  
olv4\* 1.0 0.5 0.5 (1.0)  
cmyn4\* 0.0 0.5 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 47.94 65.37 30.51  
LAB\*LABa 47.94 65.37 30.51  
LAB\*LABb 47.94 65.37 30.51  
LAB\*LABc 47.94 65.37 30.51

relative CIELAB lab\*  
lab\*lab 0.29 0.593 0.458  
lab\*ich 0.375 0.75 0.105  
lab\*nch 0.0 0.75 0.105  
relative Natural Colour (NC)  
lab\*lab 0.29 0.716 0.224  
lab\*ich 0.375 0.75 0.048  
lab\*nch 0.0 0.75 0.19

relative Inform. Technology (IT)  
olv3\* 0.25 0.0 0.0 (1.0)  
cmyn3\* 0.5 1.0 0.0 (0.0)  
olv4\* 1.0 0.5 0.5 (1.0)  
cmyn4\* 0.0 0.5 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 37.36 32.9 37.36  
LAB\*LABa 37.36 32.9 37.36  
LAB\*LABb 37.36 32.9 37.36  
LAB\*LABc 37.36 32.9 37.36

relative CIELAB lab\*  
lab\*lab 0.193 0.396 0.306  
lab\*ich 0.25 0.5 0.105  
lab\*nch 0.0 0.5 0.105  
relative Natural Colour (NC)  
lab\*lab 0.193 0.477 0.15  
lab\*ich 0.25 0.5 0.048  
lab\*nch 0.0 0.5 0.19

relative Inform. Technology (IT)  
olv3\* 0.25 0.0 0.0 (1.0)  
cmyn3\* 0.5 1.0 0.0 (0.0)  
olv4\* 1.0 0.5 0.5 (1.0)  
cmyn4\* 0.0 0.5 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 25.16 16.7 12.62  
LAB\*LABa 25.16 16.7 12.62  
LAB\*LABb 25.16 16.7 12.62  
LAB\*LABc 25.16 16.7 12.62

relative CIELAB lab\*  
lab\*lab 0.097 0.198 0.153  
lab\*ich 0.125 0.25 0.105  
lab\*nch 0.0 0.25 0.105  
relative Natural Colour (NC)  
lab\*lab 0.097 0.238 0.075  
lab\*ich 0.125 0.25 0.048  
lab\*nch 0.0 0.25 0.19

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 0.0  
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 0.198 0.153  
lab\*ich 0.125 0.25 0.105  
lab\*nch 0.0 0.25 0.105  
relative Natural Colour (NC)  
lab\*lab 0.097 0.238 0.075  
lab\*ich 0.125 0.25 0.048  
lab\*nch 0.0 0.25 0.19

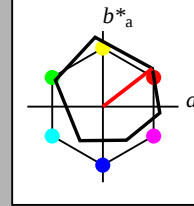
relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 1.0 1.0 (0.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 18.02 0.0 0.0  
LAB\*LABa 18.02 0.0 0.0  
LAB\*LABb 18.02 0.0 0.0  
LAB\*LABc 18.02 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.097 0.198 0.153  
lab\*ich 0.125 0.25 0.105  
lab\*nch 0.0 0.25 0.105  
relative Natural Colour (NC)  
lab\*lab 0.097 0.238 0.075  
lab\*ich 0.125 0.25 0.048  
lab\*nch 0.0 0.25 0.19

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

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

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\*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\*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 76.06 0.0 0.0  
LAB\*LABc 76.06 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.847 0.198 0.153  
lab\*ich 0.875 0.25 0.105  
lab\*nch 0.0 0.25 0.105  
relative Natural Colour (NC)  
lab\*lab 0.847 0.238 0.075  
lab\*ich 0.875 0.25 0.048  
lab\*nch 0.0 0.25 0.19

relative Inform. Technology (IT)  
olv3\* 0.75 0.25 0.25 (1.0)  
cmyn3\* 0.25 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 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 0.198 0.153  
lab\*ich 0.625 0.25 0.105  
lab\*nch 0.0 0.25 0.105  
relative Natural Colour (NC)  
lab\*lab 0.597 0.238 0.075  
lab\*ich 0.625 0.25 0.048  
lab\*nch 0.0 0.25 0.19

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 0.83  
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 0.198 0.153  
lab\*ich 0.375 0.25 0.105  
lab\*nch 0.0 0.25 0.105  
relative Natural Colour (NC)  
lab\*lab 0.347 0.238 0.075  
lab\*ich 0.375 0.25 0.048  
lab\*nch 0.0 0.25 0.19

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 22.98 0.37 0.83  
LAB\*LABa 22.98 0.0 0.0  
LAB\*LABb 22.98 0.0 0.0  
LAB\*LABc 22.98 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.193 0.198 0.153  
lab\*ich 0.225 0.25 0.105  
lab\*nch 0.0 0.25 0.105  
relative Natural Colour (NC)  
lab\*lab 0.193 0.238 0.075  
lab\*ich 0.225 0.25 0.048  
lab\*nch 0.0 0.25 0.19

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 0.0  
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 0.198 0.153  
lab\*ich 0.125 0.25 0.105  
lab\*nch 0.0 0.25 0.105  
relative Natural Colour (NC)  
lab\*lab 0.097 0.238 0.075  
lab\*ich 0.125 0.25 0.048  
lab\*nch 0.0 0.25 0.19

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 0.0  
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 0.198 0.153  
lab\*ich 0.125 0.25 0.105  
lab\*nch 0.0 0.25 0.105  
relative Natural Colour (NC)  
lab\*lab 0.097 0.238 0.075  
lab\*ich 0.125 0.25 0.048  
lab\*nch 0.0 0.25 0.19

# Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

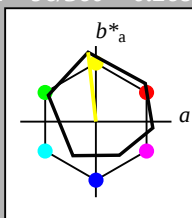
$lab^*ich$  und  $lab^*nch$

D65: Buntton Y

LCH\*Ma: 90 92 96

olv\*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit  $t^*$



%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 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\*trj 1.0 0.0 0.0  
lab\*nce 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 75.00 0.01 0.0

relative CIELAB lab\*  
lab\*lab 0.984 -0.027 0.248  
lab\*ich 0.875 0.25 0.268  
lab\*nch 0.0 0.25 0.268  
relative Natural Colour (NC)  
lab\*trj 0.984 -0.024 0.249  
lab\*nce 0.875 0.25 0.266  
lab\*nce 0.0 0.25 0.266

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\*LAB 56.71 0.0 0.0  
LAB\*LAB 50.00 0.01 0.0

relative CIELAB lab\*  
lab\*lab 0.734 -0.024 0.249  
lab\*ich 0.625 0.25 0.266  
lab\*nch 0.0 0.25 0.266  
relative Natural Colour (NC)  
lab\*trj 0.734 -0.024 0.249  
lab\*nce 0.625 0.25 0.266  
lab\*nce 0.0 0.25 0.266

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 25.00 0.01 0.0

relative CIELAB lab\*  
lab\*lab 0.484 -0.082 0.745  
lab\*ich 0.375 0.25 0.268  
lab\*nch 0.0 0.25 0.268  
relative Natural Colour (NC)  
lab\*trj 0.484 -0.082 0.745  
lab\*nce 0.375 0.25 0.266  
lab\*nce 0.0 0.25 0.266

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 18.02 0.0 0.47  
LAB\*LAB 18.02 0.0 0.0  
LAB\*LAB 0.01 0.01 0.0

relative CIELAB lab\*  
lab\*lab 0.234 -0.027 0.248  
lab\*ich 0.125 0.25 0.268  
lab\*nch 0.0 0.25 0.268  
relative Natural Colour (NC)  
lab\*trj 0.234 -0.024 0.249  
lab\*nce 0.125 0.25 0.266  
lab\*nce 0.0 0.25 0.266

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 0.01 0.01 0.0

relative CIELAB lab\*  
lab\*lab 0.234 -0.027 0.248  
lab\*ich 0.125 0.25 0.268  
lab\*nch 0.0 0.25 0.268  
relative Natural Colour (NC)  
lab\*trj 0.234 -0.024 0.249  
lab\*nce 0.125 0.25 0.266  
lab\*nce 0.0 0.25 0.266

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 0.01 0.01 0.0

relative CIELAB lab\*  
lab\*lab 0.234 -0.027 0.248  
lab\*ich 0.125 0.25 0.268  
lab\*nch 0.0 0.25 0.268  
relative Natural Colour (NC)  
lab\*trj 0.234 -0.024 0.249  
lab\*nce 0.125 0.25 0.266  
lab\*nce 0.0 0.25 0.266

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 0.01 0.01 0.0

relative CIELAB lab\*  
lab\*lab 0.234 -0.027 0.248  
lab\*ich 0.125 0.25 0.268  
lab\*nch 0.0 0.25 0.268  
relative Natural Colour (NC)  
lab\*trj 0.234 -0.024 0.249  
lab\*nce 0.125 0.25 0.266  
lab\*nce 0.0 0.25 0.266

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 0.01 0.01 0.0

relative CIELAB lab\*  
lab\*lab 0.234 -0.027 0.248  
lab\*ich 0.125 0.25 0.268  
lab\*nch 0.0 0.25 0.268  
relative Natural Colour (NC)  
lab\*trj 0.234 -0.024 0.249  
lab\*nce 0.125 0.25 0.266  
lab\*nce 0.0 0.25 0.266

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 0.01 0.01 0.0

relative CIELAB lab\*  
lab\*lab 0.234 -0.027 0.248  
lab\*ich 0.125 0.25 0.268  
lab\*nch 0.0 0.25 0.268  
relative Natural Colour (NC)  
lab\*trj 0.234 -0.024 0.249  
lab\*nce 0.125 0.25 0.266  
lab\*nce 0.0 0.25 0.266

NG540-7, 5 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (links)

BAM-Prüfvorlage NG54; Farbmetrik-Systeme ORS18 & ORS18input: olv\* setrgbcolor

D65: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne

# Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

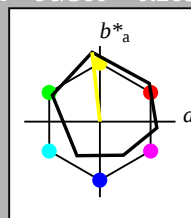
$lab^*tch$  und  $lab^*nch$

D65: Buntton Y

LCH\*Ma: 90 92 96

olv\*Ma: 1.0 1.0 0.0

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 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\*trj 1.0 0.0 0.0  
lab\*nce 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 75.00 0.01 0.0

relative CIELAB lab\*  
lab\*lab 0.984 -0.027 0.248  
lab\*ich 0.875 0.25 0.268  
lab\*nch 0.0 0.25 0.268  
relative Natural Colour (NC)  
lab\*trj 0.984 -0.024 0.249  
lab\*nce 0.875 0.25 0.266  
lab\*nce 0.0 0.25 0.266

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\*LAB 56.71 0.0 0.0  
LAB\*LAB 50.00 0.01 0.0

relative CIELAB lab\*  
lab\*lab 0.734 -0.024 0.249  
lab\*ich 0.625 0.25 0.266  
lab\*nch 0.0 0.25 0.266  
relative Natural Colour (NC)  
lab\*trj 0.734 -0.024 0.249  
lab\*nce 0.625 0.25 0.266  
lab\*nce 0.0 0.25 0.266

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 25.00 0.01 0.0

relative CIELAB lab\*  
lab\*lab 0.484 -0.082 0.745  
lab\*ich 0.375 0.25 0.268  
lab\*nch 0.0 0.25 0.268  
relative Natural Colour (NC)  
lab\*trj 0.484 -0.082 0.745  
lab\*nce 0.375 0.25 0.266  
lab\*nce 0.0 0.25 0.266

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 18.02 0.0 0.47  
LAB\*LAB 18.02 0.0 0.0  
LAB\*LAB 0.01 0.01 0.0

relative CIELAB lab\*  
lab\*lab 0.234 -0.027 0.248  
lab\*ich 0.125 0.25 0.268  
lab\*nch 0.0 0.25 0.268  
relative Natural Colour (NC)  
lab\*trj 0.234 -0.024 0.249  
lab\*nce 0.125 0.25 0.266  
lab\*nce 0.0 0.25 0.266

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 0.01 0.01 0.0

relative CIELAB lab\*  
lab\*lab 0.234 -0.027 0.248  
lab\*ich 0.125 0.25 0.268  
lab\*nch 0.0 0.25 0.268  
relative Natural Colour (NC)  
lab\*trj 0.234 -0.024 0.249  
lab\*nce 0.125 0.25 0.266  
lab\*nce 0.0 0.25 0.266

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 0.01 0.01 0.0

relative CIELAB lab\*  
lab\*lab 0.234 -0.027 0.248  
lab\*ich 0.125 0.25 0.268  
lab\*nch 0.0 0.25 0.268  
relative Natural Colour (NC)  
lab\*trj 0.234 -0.024 0.249  
lab\*nce 0.125 0.25 0.266  
lab\*nce 0.0 0.25 0.266

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 0.01 0.01 0.0

relative CIELAB lab\*  
lab\*lab 0.234 -0.027 0.248  
lab\*ich 0.125 0.25 0.268  
lab\*nch 0.0 0.25 0.268  
relative Natural Colour (NC)  
lab\*trj 0.234 -0.024 0.249  
lab\*nce 0.125 0.25 0.266  
lab\*nce 0.0 0.25 0.266

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 0.01 0.01 0.0

relative CIELAB lab\*  
lab\*lab 0.234 -0.027 0.248  
lab\*ich 0.125 0.25 0.268  
lab\*nch 0.0 0.25 0.268  
relative Natural Colour (NC)  
lab\*trj 0.234 -0.024 0.249  
lab\*nce 0.125 0.25 0.266  
lab\*nce 0.0 0.25 0.266

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 0.01 0.01 0.0

relative CIELAB lab\*  
lab\*lab 0.234 -0.027 0.248  
lab\*ich 0.125 0.25 0.268  
lab\*nch 0.0 0.25 0.268  
relative Natural Colour (NC)  
lab\*trj 0.234 -0.024 0.249  
lab\*nce 0.125 0.25 0.266  
lab\*nce 0.0 0.25 0.266

5 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (rechts)

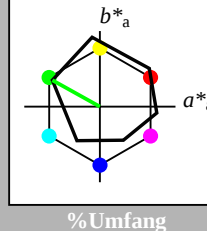
output: olv\* setrgbcolor / w\* setgray

D65: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne

Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18  
für Buntton  $h^* = lab^*h = 151/360 = 0.419$   
 $lab^*ich$  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 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\*ich 1.0 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 1.0 0.0 0.0  
lab\*ice 1.0 0.0 0.0  
lab\*ncc 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\*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\*ich 0.75 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.75 0.0 0.0  
lab\*ice 0.75 0.0 0.0  
lab\*ncc 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\*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\*ich 0.5 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.5 0.0 0.0  
lab\*ice 0.5 0.0 0.0  
lab\*ncc 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 (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 0.83  
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\*ich 0.25 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.25 0.0 0.0  
lab\*ice 0.25 0.0 0.0  
lab\*ncc 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 (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\*LAB 18.02 0.0 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\*trj 0.0 0.0 0.0  
lab\*ice 0.0 0.0 0.0  
lab\*ncc 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 (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\*LAB 18.02 0.0 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\*trj 0.0 0.0 0.0  
lab\*ice 0.0 0.0 0.0  
lab\*ncc 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\* 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 -31.96 20.73  
LAB\*LAB 73.15 -31.96 20.73  
LAB\*LAB 73.15 -31.96 20.73

relative CIELAB lab\*  
lab\*lab 0.712 -0.436 0.243  
lab\*ich 0.712 -0.436 0.243  
lab\*nch 0.0 0.5 0.419  
relative Natural Colour (NC)  
lab\*trj 0.712 -0.436 0.243  
lab\*ice 0.712 -0.436 0.243  
lab\*ncc 0.0 0.5 0.419

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\*LAB 53.81 -31.6 19.43

relative CIELAB lab\*  
lab\*lab 0.569 -0.654 0.365  
lab\*ich 0.569 -0.654 0.365  
lab\*nch 0.0 0.75 0.419  
relative Natural Colour (NC)  
lab\*trj 0.569 -0.654 0.365  
lab\*ice 0.569 -0.654 0.365  
lab\*ncc 0.0 0.75 0.419

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 (0.0)  
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\*LAB 42.68 -47.89 27.41

relative CIELAB lab\*  
lab\*lab 0.319 -0.654 0.365  
lab\*ich 0.319 -0.654 0.365  
lab\*nch 0.0 0.75 0.419  
relative Natural Colour (NC)  
lab\*trj 0.319 -0.654 0.365  
lab\*ice 0.319 -0.654 0.365  
lab\*ncc 0.0 0.75 0.419

relative Inform. Technology (IT)  
olv3\* 0.0 0.5 0.0 (1.0)  
cmyn3\* 0.5 0.0 0.5 (0.0)  
olv4\* 0.25 1.0 0.25 (0.0)  
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\*LAB 34.46 -31.22 18.12

relative CIELAB lab\*  
lab\*lab 0.213 -0.436 0.243  
lab\*ich 0.213 -0.436 0.243  
lab\*nch 0.0 0.5 0.419  
relative Natural Colour (NC)  
lab\*trj 0.213 -0.436 0.243  
lab\*ice 0.213 -0.436 0.243  
lab\*ncc 0.0 0.5 0.419

relative Inform. Technology (IT)  
olv3\* 0.0 0.25 0.0 (1.0)  
cmyn3\* 0.25 0.0 0.25 (0.0)  
olv4\* 0.125 1.0 0.125 (0.0)  
cmyn4\* 0.25 0.0 0.25 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 26.24 -15.69 8.74  
LAB\*LAB 26.24 -15.69 8.74  
LAB\*LAB 26.24 -15.69 8.74

relative CIELAB lab\*  
lab\*lab 0.106 -0.217 0.121  
lab\*ich 0.106 -0.217 0.121  
lab\*nch 0.0 0.25 0.419  
relative Natural Colour (NC)  
lab\*trj 0.106 -0.217 0.121  
lab\*ice 0.106 -0.217 0.121  
lab\*ncc 0.0 0.25 0.419

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

0.25

0.50

0.75

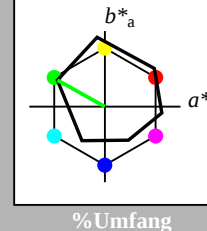
1.00

relative Buntheit  $c^*$

Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18  
für Buntton  $h^* = lab^*h = 151/360 = 0.419$   
 $lab^*tch$  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 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\*ich 1.0 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 1.0 0.0 0.0  
lab\*ice 1.0 0.0 0.0  
lab\*ncc 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\*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\*ich 0.75 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.75 0.0 0.0  
lab\*ice 0.75 0.0 0.0  
lab\*ncc 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\*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\*ich 0.5 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.5 0.0 0.0  
lab\*ice 0.5 0.0 0.0  
lab\*ncc 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 (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 0.83  
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\*ich 0.25 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.25 0.0 0.0  
lab\*ice 0.25 0.0 0.0  
lab\*ncc 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 (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\*LAB 18.02 0.0 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\*trj 0.0 0.0 0.0  
lab\*ice 0.0 0.0 0.0  
lab\*ncc 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 (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\*LAB 18.02 0.0 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\*trj 0.0 0.0 0.0  
lab\*ice 0.0 0.0 0.0  
lab\*ncc 1.0 0.0 0.0

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

0.25

0.50

0.75

1.00

relative Buntheit  $c^*$

$n^* = 1.0$

NG540-7, 5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (links)

5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (rechts)

BAM-Prüfvorlage NG54; Farbmetrik-Systeme ORS18 & ORS18input: olv\* setrgbcolor

D65: 2 Koordinatendaten; 2stufige Farbreihen für 10 Bunttöne

output: olv\* setrgbcolor / w\* setgray

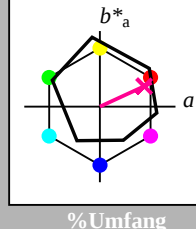






Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18  
für Buntton  $h^* = lab^*h = 25/360 = 0.069$   
 $lab^*ich$  und  $lab^*nch$

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\*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\*ich 1.0 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\*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\*ich 0.75 0.0 0.0  
lab\*nch 0.0 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 0.0 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\*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\*ich 0.5 0.0 0.0  
lab\*nch 0.0 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 0.0 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\*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\*ich 0.25 0.0 0.0  
lab\*nch 0.0 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 0.0 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\*ich 0.0 0.0 0.0  
lab\*nch 1.0 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 1.0 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\* 1.0 0.5 0.661 (1.0)  
cmyn3\* 0.0 0.25 0.169 (0.0)  
olv4\* 1.0 0.5 0.661 (1.0)  
cmyn4\* 0.0 0.25 0.169 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 83.55 16.38 11.84  
LAB\*LAB 83.55 17.14 7.88  
LAB\*LAB 83.55 18.86 24.69

relative Inform. Technology (IT)  
olv3\* 0.75 0.5 0.581 (1.0)  
cmyn3\* 0.25 0.5 0.581 (0.0)  
olv4\* 1.0 0.5 0.581 (1.0)  
cmyn4\* 0.0 0.5 0.581 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 64.21 16.75 10.54  
LAB\*LAB 64.21 17.14 7.88  
LAB\*LAB 64.21 18.86 24.69

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 0.5 0.5 (1.0)  
cmyn4\* 0.0 0.5 0.5 (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 0.5 0.5  
lab\*ich 0.5 0.5 0.5  
lab\*nch 0.0 0.5 0.5  
relative Natural Colour (NC)  
lab\*lrj 0.5 0.5 0.5  
lab\*lce 0.5 0.5 0.5  
lab\*nce 0.0 0.5 0.5

relative Inform. Technology (IT)  
olv3\* 0.25 0.5 0.444 (1.0)  
cmyn3\* 0.75 0.5 0.444 (0.0)  
olv4\* 1.0 0.5 0.444 (1.0)  
cmyn4\* 0.0 0.5 0.444 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 40.51 51.49 24.71  
LAB\*LAB 40.51 51.42 23.65  
LAB\*LAB 40.51 51.42 23.65

$n^* = 0.50$

relative Inform. Technology (IT)  
olv3\* 1.0 0.0 0.322 (1.0)  
cmyn3\* 0.0 0.75 0.508 (0.0)  
olv4\* 1.0 0.0 0.322 (1.0)  
cmyn4\* 0.0 0.75 0.508 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 59.85 51.42 26.01  
LAB\*LAB 59.85 51.42 26.01  
LAB\*LAB 59.85 51.42 26.01

relative Inform. Technology (IT)  
olv3\* 0.75 0.0 0.242 (1.0)  
cmyn3\* 0.25 0.0 0.242 (0.0)  
olv4\* 1.0 0.0 0.242 (1.0)  
cmyn4\* 0.0 0.25 0.242 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 48.0 68.56 31.53  
LAB\*LAB 48.0 68.56 31.53  
LAB\*LAB 48.0 68.56 31.53

relative Inform. Technology (IT)  
olv3\* 0.5 0.0 0.168 (1.0)  
cmyn3\* 0.5 0.0 0.168 (0.0)  
olv4\* 1.0 0.0 0.168 (1.0)  
cmyn4\* 0.0 0.5 0.168 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 33.01 34.49 15.77  
LAB\*LAB 33.01 34.49 15.77  
LAB\*LAB 33.01 34.49 15.77

relative Inform. Technology (IT)  
olv3\* 0.25 0.0 0.083 (1.0)  
cmyn3\* 0.75 0.0 0.083 (0.0)  
olv4\* 1.0 0.0 0.083 (1.0)  
cmyn4\* 0.0 0.75 0.083 (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

$n^* = 0.25$

Schwarzheit  $n^*$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

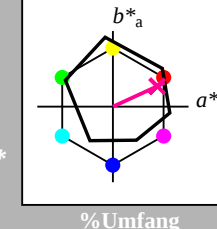
$n^* = 1.00$

relative Buntheit  $c^*$

$n^* = 1.0$

Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18  
für Buntton  $h^* = lab^*h = 25/360 = 0.069$   
 $lab^*tch$  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\*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\*ich 1.0 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\*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\*ich 0.75 0.0 0.0  
lab\*nch 0.0 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 0.0 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\*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\*ich 0.5 0.0 0.0  
lab\*nch 0.0 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 0.0 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\*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\*ich 0.25 0.0 0.0  
lab\*nch 0.0 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 0.0 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\*ich 0.0 0.0 0.0  
lab\*nch 1.0 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 1.0 0.0 0.0

$n^* = 1.0$

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (rechts)

BAM-Prüfvorlage NG54; Farbmetrik-Systeme ORS18 & ORS18input: olv\* setrgbcolor

D65: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne

output: olv\* setrgbcolor / w\* setgray

NG540-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

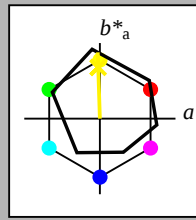
Siehe ähnliche Dateien: <http://www.ps.barn.de/NG54/>  
Technische Information: <http://www.ps.barn.de> Version 2.1, io=1,1, CIELAB

**BAM-Registrierung:** 20060101-NG54/10Q/Q54G0/FP.PS./PDF: BAM-Materialanwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen

Seitzman, J. L. 8

BAM-Registrierung: 20060101-NG54/10Q/Q54G07HP.PS/.PDF BAM-Material: Code=rna4ta

**Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18**  
für Buntton  $h^* = \text{lab}^*h = 92/360 = 0.255$  **ORS18: adaptier**



D65: Buntton J  
LCH\*Ma: 86 88 92  
olv\*Ma: 1.0 0.9 0.0

## Dreiecks-Helligkeit

| relative Inform. Technology (IT)   |       |      |      |       |
|------------------------------------|-------|------|------|-------|
| olviz3*                            | 1.0   | 1.0  | 1.0  | (1.0) |
| cmy3*                              | 0.0   | 0.0  | 0.0  | (0.0) |
| olviz4*                            | 1.0   | 1.0  | 1.0  | 1.0   |
| cmy4*                              | 0.0   | 0.0  | 0.0  | 0.0   |
| standard and adapted CIELAB        |       |      |      |       |
| LAB* <sup>a</sup> B                | 95.41 | 0.98 | 4.75 |       |
| LAB*LABa                           | 95.41 | 0.0  | 0.0  |       |
| LAB* <sup>a</sup> Ch               | 99.99 | 0.01 | -    |       |
| relative CIELAB lab*               |       |      |      |       |
| lab*lab                            | 1.0   | 0.0  | 0.0  |       |
| lab* <sup>a</sup> ch               | 1.0   | 0.0  | -    |       |
| lab* <sup>a</sup> nch              | 0.0   | 0.0  | -    |       |
| relative Natural Colour (NC)       |       |      |      |       |
| lab* <sup>a</sup> l <sup>a</sup> r | 1.0   | 0.0  | 0.0  |       |
| lab* <sup>a</sup> l <sup>a</sup> r | 1.0   | 0.0  | 0.0  |       |
| lab* <sup>a</sup> ncE              | 0.0   | 0.0  | -    |       |

| relative Inform. Technology (IT) |       |                  |
|----------------------------------|-------|------------------|
| olvi3*                           | 1.0   | 0.975 1.0        |
| olvi3*                           | 0.0   | 0.025 0.25 (0.0) |
| olvi4*                           | 1.0   | 0.975 0.75 1.0   |
| olvi4*                           | 0.0   | 0.025 0.25 0.0   |
| standard and adapted CIELAB      |       |                  |
| LAB*LAB                          | 93.1  | -1.64 26.52      |
| LAB*LAB                          | 93.1  | -1.64 26.52      |
| LAB*LAB                          | 93.1  | 29.93 21.95      |
| relative CIELAB lab*             |       |                  |
| lab*lab                          | 0.97  | -0.007 0.25      |
| lab*lab                          | 0.875 | 0.25 0.255       |
| lab*nch                          | 0.0   | 0.25 0.255       |
| relative Natural Colour (NC)     |       |                  |
| lab*lab                          | 0.975 | 0.0 0.25         |
| lab*lab                          | 0.875 | 0.25 0.25        |
| lab*nCE                          | 0.0   | 0.25 0.00g       |

| relative Inform. Technology (IT) |       |        |       |
|----------------------------------|-------|--------|-------|
| olvi3*                           | 1.0   | 0.951  | 0.5   |
| cmy3*                            | 0.0   | 0.048  | 0.5   |
| olvi4*                           | 0.0   | 0.951  | 0.5   |
| cmy4*                            | 0.0   | 0.049  | 0.5   |
| standard and adapted CIELAB      |       |        |       |
| LAB*LAB                          | 90.8  | -2.3   | 48.29 |
| LAB*Lab <sub>a</sub>             | 90.8  | -1.4   | 43.84 |
| LAB*TChe                         | 75.0  | 43.86  | 91.85 |
| relative CIELab lab              |       |        |       |
| lab*lab                          | 0.934 | -0.015 | 0.5   |
| lab*ch                           | 0.75  | 0.5    | 0.255 |
| lab*nc                           | 0.0   | 0.5    | 0.255 |
| relative Natural Colour (NC)     |       |        |       |
| lab*lrj                          | 0.94  | 0.0    | 0.5   |
| lab*tc                           | 0.75  | 0.5    | 0.25  |
| lab*ncE                          | 0.0   | 0.5    | j00g  |

| <b>relative Inform. Technology (IT)</b> |       |       |      |
|-----------------------------------------|-------|-------|------|
| <i>olvi3*</i>                           | 1.0   | 0.926 | 0.25 |
| <i>cmyn3*</i>                           | 0.0   | 0.074 | 0.75 |
| <i>olvi4*</i>                           | 1.0   | 0.926 | 0.25 |
| <i>cmyn4*</i>                           | 0.0   | 0.074 | 0.75 |
| <b>standard and adapted CIELAB</b>      |       |       |      |
| LAB*LAB                                 | 88.49 | -2.96 | 70.0 |
| LAB*LABa                                | 88.49 | -2.11 | 65.7 |
| LAB*TCa                                 | 62.5  | 65.79 | 91.8 |
| <b>relative CIELAB lab*</b>             |       |       |      |
| <i>lab*lab</i>                          | 0.911 | 0.023 | 0.75 |
| <i>lab*lab*</i>                         | 0.625 | 0.75  | 0.25 |
| <i>lab*nch</i>                          | 0.0   | 0.75  | 0.25 |
| <b>relative Natural Colour (NC)</b>     |       |       |      |
| <i>lab*lrj</i>                          | 0.911 | 0.0   | 0.75 |
| <i>lab*nce</i>                          | 0.625 | 0.75  | 0.25 |
| <i>lab*nCe</i>                          | 0.0   | 0.75  | 0.0  |

| relative Inform. Technology (IT) |       |            |
|----------------------------------|-------|------------|
| olvi3*                           | 1.0   | 0.901 0.0  |
| cmy3*                            | 0.0   | 0.099 1.0  |
| olvi4*                           | 1.0   | 0.902 0.0  |
| cmy4*                            | 0.0   | 0.998 1.0  |
| standard and adapted CIELAB      |       |            |
| LAB*LAB                          | 86.19 | -3.62 91.7 |
| LAB*LAB*                         | 86.19 | -2.81 87.7 |
| LAB*TCHe                         | 50.0  | 87.72 91.7 |
| relative CIELAB lab*             |       |            |
| lab*lab                          | 0.881 | -0.031 0.9 |
| lab*lab                          | 0.5   | 1.0 0.2    |
| lab*lab                          | 0.0   | 0.0 1.0    |
| relative Natural Colour (NC)     |       |            |
| lab*lrj                          | 0.881 | 0.0 1.0    |
| lab*tc                           | 0.5   | 1.0 0.2    |
| lab*nce                          | 0.0   | 1.0 1.0    |

|                                     |       |      |      |
|-------------------------------------|-------|------|------|
| <i>lab</i> * <i>nch</i>             | 0.5   | 0.0  |      |
| <b>relative Natural Colour (NC)</b> |       |      |      |
| <i>lab</i> * <i>frj</i>             | 0.5   | 0.0  | 0.0  |
| <i>lab</i> * <i>nce</i>             | 0.5   | 0.0  |      |
| <i>lab</i> * <i>nCe</i>             | 0.5   | 0.0  |      |
| <b>relative Inform. Technology</b>  |       |      |      |
| <i>olvi3*</i>                       | 0.25  | 0.25 | 0.25 |
| <i>cmy3n3*</i>                      | 0.75  | 0.75 | 0.75 |
| <i>olvi4*</i>                       | 1.0   | 1.0  | 1.0  |
| <i>cmy4n4*</i>                      | 0.0   | 0.0  | 0.0  |
| <b>standard and adopted CIELAB</b>  |       |      |      |
| LAB*LAB                             | 37.36 | 0.13 | 0.0  |
| LAB*LABa                            | 37.36 | 0.0  | 0.0  |
| LAB*TCfHa                           | 25.0  | 0.01 |      |
| <b>relative CIELAB lab*</b>         |       |      |      |
| <i>lab</i> * <i>lab</i>             | 0.25  | 0.0  | 0.0  |
| <i>lab</i> * <i>tch</i>             | 0.25  | 0.0  |      |

|                                     |       |       |
|-------------------------------------|-------|-------|
| LAB*TC <sub>HA</sub>                | 37.5  | 21.93 |
| <b>relative CIELAB lab*</b>         |       |       |
| lab*lab                             | 0.47  | 0.007 |
| lab*ch                              | 0.375 | 0.25  |
| lab*nc <sub>H</sub>                 | 0.5   | 0.25  |
| <b>relative Natural Colour (NC)</b> |       |       |
| lab*lr <sub>j</sub>                 | 0.47  | 0.0   |
| lab*tc <sub>ce</sub>                | 0.375 | 0.25  |
| lab*nc <sub>E</sub>                 | 0.5   | 0.25  |
| <b>relative Inform. Technology</b>  |       |       |
| olvi3*                              | 0.25  | 0.225 |
| cmyn3*                              | 0.75  | 1.0   |
| cmyn4*                              | 1.0   | 0.975 |
| cmyn4*                              | 0.0   | 0.025 |
| <b>standard and adapted CIELAB</b>  |       |       |
| LAB*LAB                             | 35.06 | -0.52 |
| LAB*LAB                             | 35.06 | -0.69 |

|                             |       |        |
|-----------------------------|-------|--------|
| LAB*TCHa                    | 25.01 | 43.86  |
| relative CIELAB lab*        |       |        |
| lab*a                       | 0.44  | -0.015 |
| lab*b                       | 0.25  | 0.5    |
| lab*ch                      | 0.5   | 0.5    |
| relative Natural Colour (N) |       |        |
| lab*lrj                     | 0.44  | 0.0    |
| lab*nce                     | 0.25  | 0.5    |
| lab*nCe                     | 0.5   | 0.5    |

$n^* = 0.50$

BAM-Material  
 onitorssystemer  
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 \*

| relative Inform. Technology (IT) |       |      |      |       |
|----------------------------------|-------|------|------|-------|
| oliv3*                           | 0.25  | 0.25 | 0.25 | (1.0) |
| cmy3*                            | 0.75  | 0.75 | 0.75 | (0.0) |
| oliv4                            | 1.0   | 1.0  | 1.0  | 0.25  |
| cmy4*                            | 0.0   | 0.0  | 0.0  | 0.75  |
| 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 | -    |       |
| relative CIEAB Lab*              |       |      |      |       |
| lab*b                            | 0.25  | 0.0  | 0.0  |       |
| lab*cb                           | 0.25  | 0.0  | -    |       |
| lab*ncb                          | 0.75  | 0.0  | -    |       |
| relative Natural Colour (NC)     |       |      |      |       |
| lab*lrj                          | 0.25  | 0.0  | 0.0  |       |
| lab*lce                          | 0.25  | 0.0  | -    |       |
| lab*nCe                          | 0.75  | 0.0  | -    |       |

| relative Inform. Technology (IT) |       |        |       |
|----------------------------------|-------|--------|-------|
| olvi3*                           | 0.5   | 0.475  | 0.25  |
| cmy32*                           | 0.5   | 0.525  | 0.75  |
| olvi4*                           | 1.0   | 0.975  | 0.75  |
| cmy4*                            | 0.0   | 0.025  | 0.25  |
| standard and adapted CIELAB      |       |        |       |
| LAB*LAB                          | 54.4  | -0.89  | 23.91 |
| LAB*LabA                         | 54.4  | 0.69   | 21.92 |
| LabA*LabA                        | 37.5  | 21.93  | 91.84 |
| relative CIELAB lab*             |       |        |       |
| lab*lab                          | 0.47  | -0.007 | 0.25  |
| lab*lab                          | 0.375 | 0.25   | 0.255 |
| lab*ncH                          | 0.5   | 0.25   | 0.255 |
| relative Natural Colour (NC)     |       |        |       |
| lab*lrj                          | 0.47  | 0.0    | 0.25  |
| lab*lrj                          | 0.375 | 0.25   | 0.25  |
| lab*ncE                          | 0.5   | 0.25   | [99]  |

| relative Inform. Technology (IT) |       |            |       |
|----------------------------------|-------|------------|-------|
| olvi3*                           | 0.5   | 0.451 0.0  | (1.0) |
| cmyn3*                           | 0.5   | 0.549 1.0  | (0.0) |
| olvi1                            | 0.0   | 0.951 0.5  | 0.5   |
| cmyn4*                           | 0.0   | 0.049 0.5  | 0.5   |
| standard and adapted CIELAB      |       |            |       |
| LAB*LAB                          | 52.1  | -1.55      | 45.67 |
| LAB*LABa                         | 52.1  | -1.39      | 43.83 |
| LAB*TCRa                         | 25.01 | 43.86      | 91.84 |
| relative CIELAB lab*             |       |            |       |
| lab*lab                          | 0.4   | -0.015 0.5 |       |
| lab*nc                           | 0.25  | 0.5        | 0.255 |
| lab*ncb                          | 0.5   | 0.5        | 0.255 |
| relative Natural Colour (NC)     |       |            |       |
| lab*lrj                          | 0.44  | 0.0        | 0.5   |
| lab*nce                          | 0.25  | 0.5        | 0.25  |
| lab*ncb                          | 0.5   | 0.5        | 0.25  |

| relative Inform. Technology (IT) |       |                 |
|----------------------------------|-------|-----------------|
| olvi3*                           | 0.75  | 0.676 0.0       |
| cmyn3*                           | 0.25  | 0.324 1.0       |
| olvi4*                           | 1.0   | 0.926 0.25 0.75 |
| cmyn4*                           | 0.0   | 0.074 0.75 0.25 |
| standard and adapted CIELAB      |       |                 |
| LAB*LAB                          | 69.14 | -2.58 68.7      |
| LAB*LAB                          | 69.14 | -2.1 63.7       |
| LAB*TCtCHA                       | 37.51 | 65.79 91.8      |
| relative CIE L*a*b*              |       |                 |
| lab*lab                          | 0.661 | -0.023 0.75     |
| lab*tcch                         | 0.375 | 0.75 0.25       |
| lab*nch                          | 0.25  | 0.75 0.25       |
| relative Natural Colour (NC)     |       |                 |
| lab*tri                          | 0.661 | 0.0 0.75        |
| lab*nc                           | 0.25  | 0.75 0.25       |
| lab*ncE                          | 0.25  | 0.75 0.99       |

|                                     |       |      |     |
|-------------------------------------|-------|------|-----|
| LAB*TC <sub>HA</sub>                | 25.0  | 0.01 | -   |
| <b>relative CIELAB lab*</b>         |       |      |     |
| lab*lab                             | 0.25  | 0.0  | 0.0 |
| lab*ich                             | 0.25  | 0.0  | -   |
| lab*nC                              | 0.25  | 0.0  | -   |
| <b>relative Natural Colour (NC)</b> |       |      |     |
| lab*irj                             | 0.25  | 0.0  | 0.0 |
| lab*tce                             | 0.25  | 0.0  | -   |
| lab*nC                              | 0.75  | 0.0  | -   |
| <b>relative Inform. Technology</b>  |       |      |     |
| olvi3*                              | 0.0   | 0.0  | 0.0 |
| cmy3n3*                             | 1.0   | 1.0  | 1.0 |
| olvi4*                              | 1.0   | 1.0  | 1.0 |
| olvi5*                              | 0.0   | 0.0  | 0.0 |
| <b>standard and adapted CIELAB</b>  |       |      |     |
| LAB*LAB                             | 18.02 | 0.5  | -1  |
| LAB*LAB <sub>a</sub>                | 18.02 | 0.5  | -1  |

|                              |       |        |
|------------------------------|-------|--------|
| LAB*LAB                      | 12.5  | 21.92  |
| relative CIELAB lab*         |       | -0.007 |
| lab*lab                      | 0.22  |        |
| lab*tch                      | 0.125 | 0.25   |
| lab*nch                      | 0.75  | 0.25   |
| relative Natural Colour (NC) |       |        |
| lab*lrj                      | 0.22  | 0.0    |
| lab*tce                      | 0.125 | 0.25   |
| lab*nce                      | 0.75  | 0.25   |

|                             |       |        |
|-----------------------------|-------|--------|
| LAB*TCHa                    | 25.01 | 43.86  |
| relative CIELAB lab*        |       |        |
| lab*a                       | 0.44  | -0.015 |
| lab*b                       | 0.25  | 0.5    |
| lab*ch                      | 0.5   | 0.5    |
| relative Natural Colour (N) |       |        |
| lab*lrj                     | 0.44  | 0.0    |
| lab*nce                     | 0.25  | 0.5    |
| lab*nCe                     | 0.5   | 0.5    |

$n^* = 0.50$

BAM-Material  
 onitorssystemer  
 Form: 8/10, Serie: 1/1, Seite: 8  
 \*

NG540-7, 5 stufige Reihen für konstanten CIELAB Buntton  $92/360 = 0.255$  (links)

BAM-Prüfvorlage NG54; Farbmatrik-Systeme ORS18 & ORS18input: *olv\* setrgbcolor*

D65: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne

hen für konstanten CIELAB Buntton  $92/360 = 0.255$  (rechts

8input: *olv\* setrgbcolor*

output: `olv* setrgbcolor / w* setgray`  

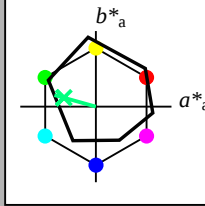
# Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

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  $t^*$



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\*TCh 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\*LAB 76.06 0.0 0.0  
LAB\*TCh 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 (0.5)  
cmyn4\* 0.0 0.0 0.0 (0.5)  
standard and adapted CIELAB  
LAB\*LAB 56.71 -0.24 2.14  
LAB\*LAB 56.71 0.0 0.0  
LAB\*TCh 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 (0.0)  
olv4\* 1.0 1.0 1.0 (0.25)  
cmyn4\* 0.0 0.0 0.0 (0.75)  
standard and adapted CIELAB  
LAB\*LAB 37.36 0.13 0.63  
LAB\*LAB 37.36 0.0 0.0  
LAB\*TCh 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 (0.0)  
cmyn4\* 0.0 0.0 0.0 (1.0)  
standard and adapted CIELAB  
LAB\*LAB 18.02 0.0 0.0  
LAB\*LAB 18.02 0.0 0.0  
LAB\*TCh 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

$n^* = 1.0$

## 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\* 0.5 0.5 0.5 (0.0)  
olv4\* 0.5 0.5 0.5 (0.5)  
cmyn4\* 0.5 0.5 0.5 (0.5)  
standard and adapted CIELAB  
LAB\*LAB 74.1 -27.98 10.94  
LAB\*LAB 74.1 -27.4 7.62  
LAB\*TCh 75.0 28.45 164.46

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\* 0.25 0.25 0.25 (0.0)  
cmyn3\* 0.75 0.75 0.75 (0.0)  
olv4\* 0.5 0.5 0.5 (0.5)  
cmyn4\* 0.5 0.5 0.5 (0.5)  
standard and adapted CIELAB  
LAB\*LAB 54.76 -27.61 9.64  
LAB\*LAB 54.76 -27.41 7.63  
LAB\*TCh 50.0 28.46 164.45

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\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 0.0 0.0 (0.0)  
olv4\* 0.5 0.5 0.5 (0.5)  
cmyn4\* 0.5 0.5 0.5 (0.5)  
standard and adapted CIELAB  
LAB\*LAB 35.41 -27.24 6.84  
LAB\*LAB 35.41 -27.4 4.83  
LAB\*TCh 37.51 42.69 164.45

relative CIELAB lab\*  
lab\*lab 0.357 -0.721 0.201  
lab\*ich 0.357 0.75 0.457  
lab\*nch 0.0 0.75 0.457  
relative Natural Colour (NC)  
lab\*lab 0.357 -0.721 0.201  
lab\*ich 0.357 0.75 0.457  
lab\*nch 0.0 0.75 0.457

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 0.0 0.0 (0.0)  
olv4\* 0.5 0.5 0.5 (0.5)  
cmyn4\* 0.5 0.5 0.5 (0.5)  
standard and adapted CIELAB  
LAB\*LAB 35.41 -27.24 6.84  
LAB\*LAB 35.41 -27.4 4.83  
LAB\*TCh 37.51 42.69 164.45

relative CIELAB lab\*  
lab\*lab 0.357 -0.721 0.201  
lab\*ich 0.357 0.75 0.457  
lab\*nch 0.0 0.75 0.457  
relative Natural Colour (NC)  
lab\*lab 0.357 -0.721 0.201  
lab\*ich 0.357 0.75 0.457  
lab\*nch 0.0 0.75 0.457

$n^* = 0.50$

relative Inform. Technology (IT)  
olv3\* 0.25 0.25 0.25 (1.0)  
cmyn3\* 0.75 0.75 0.75 (0.0)  
olv4\* 0.5 0.5 0.5 (0.5)  
cmyn4\* 0.5 0.5 0.5 (0.5)  
standard and adapted CIELAB  
LAB\*LAB 63.45 -41.11 11.44  
LAB\*LAB 63.45 -41.11 11.44  
LAB\*TCh 62.5 42.68 164.45

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\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 0.0 0.0 (0.0)  
olv4\* 0.5 0.5 0.5 (0.5)  
cmyn4\* 0.5 0.5 0.5 (0.5)  
standard and adapted CIELAB  
LAB\*LAB 52.8 -54.81 15.26  
LAB\*LAB 52.8 -54.81 15.26  
LAB\*TCh 50.0 56.91 164.45

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\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 0.0 0.0 (0.0)  
olv4\* 0.5 0.5 0.5 (0.5)  
cmyn4\* 0.5 0.5 0.5 (0.5)  
standard and adapted CIELAB  
LAB\*LAB 52.8 -54.81 15.26  
LAB\*LAB 52.8 -54.81 15.26  
LAB\*TCh 50.0 56.91 164.45

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

$n^* = 0.25$

$n^* = 0.00$

relative Buntheit  $c^*$

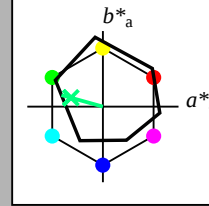
# Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18

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  $t^*$



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\*TCh 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\*LAB 76.06 0.0 0.0  
LAB\*TCh 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 (0.5)  
cmyn4\* 0.0 0.0 0.0 (0.5)  
standard and adapted CIELAB  
LAB\*LAB 56.71 -0.24 2.14  
LAB\*LAB 56.71 0.0 0.0  
LAB\*TCh 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 (0.0)  
olv4\* 1.0 1.0 1.0 (0.25)  
cmyn4\* 0.0 0.0 0.0 (0.75)  
standard and adapted CIELAB  
LAB\*LAB 37.36 0.13 0.63  
LAB\*LAB 37.36 0.0 0.0  
LAB\*TCh 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 (0.0)  
cmyn4\* 0.0 0.0 0.0 (1.0)  
standard and adapted CIELAB  
LAB\*LAB 18.02 0.0 0.0  
LAB\*LAB 18.02 0.0 0.0  
LAB\*TCh 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

$n^* = 1.0$

5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (rechts)

BAM-Prüfvorlage NG54; Farbmetrik-Systeme ORS18 & ORS18input:  $olv^* setrgbcolor$

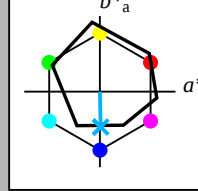
D65: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne

output:  $olv^* setrgbcolor / w^* setgray$

NG540-7, 5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (links)

Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18  
für Buntton  $h^* = lab^*h = 271/360 = 0.754$   
 $lab^*ich$  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\*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\*ich 1.0 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 1.0 0.0 0.0  
lab\*nce 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\*ich 0.75 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.75 0.0 0.0  
lab\*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\*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\*ich 0.5 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.5 0.0 0.0  
lab\*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 0.13 0.83  
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\*ich 0.25 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.25 0.0 0.0  
lab\*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 (0.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 18.02 0.0 0.0  
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\*ich 0.0 0.0 0.0  
lab\*nch 1.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.0 0.0 0.0  
lab\*nce 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 (0.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 18.02 0.0 0.0  
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\*ich 0.0 0.0 0.0  
lab\*nch 1.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.0 0.0 0.0  
lab\*nce 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\* 0.5 0.5 0.5 (1.0)  
cmyn3\* 0.5 0.5 0.5 (0.0)  
olv4\* 0.5 0.5 0.5 (0.0)  
cmyn4\* 0.5 0.5 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 68.6 0.07 -19.39  
LAB\*LAB 68.6 0.07 -19.39  
LAB\*LAB 68.6 0.07 -19.39

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\*trj 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\* 0.5 0.5 0.5 (0.0)  
cmyn4\* 0.5 0.5 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 49.25 0.45 -20.7  
LAB\*LAB 49.25 0.45 -20.7  
LAB\*LAB 49.25 0.45 -20.7

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\*trj 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\* 0.5 0.5 0.5 (0.0)  
cmyn4\* 0.5 0.5 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 29.9 0.86 -12.01  
LAB\*LAB 29.9 0.86 -12.01  
LAB\*LAB 29.9 0.86 -12.01

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\*trj 0.0 0.0 0.0  
lab\*nce 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\* 0.5 0.5 0.5 (0.0)  
cmyn4\* 0.5 0.5 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 18.02 0.0 0.0  
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\*ich 0.0 0.0 0.0  
lab\*nch 1.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.0 0.0 0.0  
lab\*nce 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\* 0.5 0.5 0.5 (0.0)  
cmyn4\* 0.5 0.5 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 18.02 0.0 0.0  
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\*ich 0.0 0.0 0.0  
lab\*nch 1.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.0 0.0 0.0  
lab\*nce 1.0 0.0 0.0

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\*LAB 55.19 0.61 -31.48  
LAB\*LAB 55.19 0.61 -31.48

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\*trj 0.25 0.0 0.0  
lab\*nce 0.25 0.0 0.0

relative Inform. Technology (IT)  
olv3\* 0.0 0.368 0.75 (1.0)  
cmyn3\* 0.75 0.506 0.25 (0.0)  
olv4\* 0.5 0.744 1.0 (0.0)  
cmyn4\* 0.5 0.256 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 49.25 0.45 -20.7  
LAB\*LAB 49.25 0.45 -20.7  
LAB\*LAB 49.25 0.45 -20.7

relative CIELAB lab\*  
lab\*lab 0.0 0.368 0.75 (1.0)  
lab\*ich 0.75 0.506 0.25 (0.0)  
lab\*nch 0.5 0.744 1.0 (0.0)  
relative Natural Colour (NC)  
lab\*trj 0.49 0.0 -0.749  
lab\*nce 0.625 0.75 0.75

relative Inform. Technology (IT)  
olv3\* 0.0 0.634 0.25 (0.0)  
cmyn3\* 1.0 0.366 0.75 (1.0)  
olv4\* 0.25 0.616 1.0 (0.0)  
cmyn4\* 0.75 0.384 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 35.84 0.98 -32.78  
LAB\*LAB 35.84 0.98 -32.78  
LAB\*LAB 35.84 0.98 -32.78

relative CIELAB lab\*  
lab\*lab 0.23 0.019 -0.749  
lab\*ich 0.375 0.75 0.754  
lab\*nch 0.25 0.75 0.754  
relative Natural Colour (NC)  
lab\*trj 0.23 0.0 -0.749  
lab\*nce 0.25 0.75 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 29.9 0.86 -12.01  
LAB\*LAB 29.9 0.86 -12.01  
LAB\*LAB 29.9 0.86 -12.01

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\*trj 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\* 0.5 0.5 0.5 (0.0)  
cmyn4\* 0.5 0.5 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 18.02 0.0 0.0  
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\*ich 0.0 0.0 0.0  
lab\*nch 1.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.0 0.0 0.0  
lab\*nce 1.0 0.0 0.0

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

$n^* = 1.00$

$n^* = 1.00$

$n^* = 1.00$

$n^* = 1.00$

$n^* = 1.00$

$n^* = 1.00$

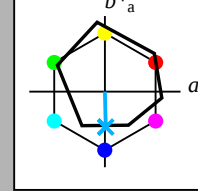
$n^* = 1.00$

$n^* = 1.00$

$n^* = 1.00$

Ausgabe: Farbmetrisches Offset-Reflektiv-System ORS18  
für Buntton  $h^* = lab^*h = 271/360 = 0.754$   
 $lab^*tch$  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\*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\*ich 1.0 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 1.0 0.0 0.0  
lab\*nce 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\*ich 0.75 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.75 0.0 0.0  
lab\*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\*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\*ich 0.5 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.5 0.0 0.0  
lab\*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 0.13 0.83  
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\*ich 0.25 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.25 0.0 0.0  
lab\*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\* 0.5 0.5 0.5 (0.0)  
cmyn4\* 0.5 0.5 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 18.02 0.0 0.0  
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\*ich 0.0 0.0 0.0  
lab\*nch 1.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.0 0.0 0.0  
lab\*nce 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\* 0.5 0.5 0.5 (0.0)  
cmyn4\* 0.5 0.5 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 18.02 0.0 0.0  
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\*ich 0.0 0.0 0.0  
lab\*nch 1.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.0 0.0 0.0  
lab\*nce 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\* 0.5 0.5 0.5 (0.0)  
cmyn4\* 0.5 0.5 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 18.02 0.0 0.0  
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\*ich 0.0 0.0 0.0  
lab\*nch 1.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.0 0.0 0.0  
lab\*nce 1.0 0.0 0.0

%Regularität

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

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

relative Inform. Technology (IT)  
olv3\* 0.5 0.5 0.5 (1.0)  
cmyn3\* 0.5 0.5 0.5 (0.0)  
olv4\* 0.5 0.5 0.5 (0.0)  
cmyn4\* 0.5 0.5 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 68.6 0.07 -19.39  
LAB\*LAB 68.6 0.07 -19.39  
LAB\*LAB 68.6 0.07 -19.39

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\*trj 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\* 0.5 0.5 0.5 (0.0)  
cmyn4\* 0.5 0.5 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 49.25 0.45 -20.7  
LAB\*LAB 49.25 0.45 -20.7  
LAB\*LAB 49.25 0.45 -20.7

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\*trj 0.25 0.0 0.0  
lab\*nce 0.25 0.0 0.0

relative Inform. Technology (IT)  
olv3\* 0.0 0.368 0.75 (1.0)  
cmyn3\* 0.75 0.506 0.25 (0.0)  
olv4\* 0.5 0.744 1.0 (0.0)  
cmyn4\* 0.5 0.256 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 49.25 0.45 -20.7  
LAB\*LAB 49.25 0.45 -20.7  
LAB\*LAB 49.25 0.45 -20.7

relative CIELAB lab\*  
lab\*lab 0.0 0.368 0.75 (1.0)  
lab\*ich 0.75 0.506 0.25 (0.0)  
lab\*nch 0.5 0.744 1.0 (0.0)  
relative Natural Colour (NC)  
lab\*trj 0.49 0.0 -0.749  
lab\*nce 0.625 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 (0.0)  
cmyn4\* 0.75 0.384 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 55.19 0.61 -31.48  
LAB\*LAB 55.19 0.61 -31.48  
LAB\*LAB 55.19 0.61 -31.48

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\*trj 0.25 0.0 0.0  
lab\*nce 0.25 0.0 0.0

relative Inform. Technology (IT)  
olv3\* 0.0 0.368 0.75 (1.0)  
cmyn3\* 0.75 0.506 0.25 (0.0)  
olv4\* 0.5 0.744 1.0 (0.0)  
cmyn4\* 0.5 0.256 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 49.25 0.45 -20.7  
LAB\*LAB 49.25 0.45 -20.7  
LAB\*LAB 49.25 0.45 -20.7

relative CIELAB lab\*  
lab\*lab 0.0 0.368 0.75 (1.0)  
lab\*ich 0.75 0.506 0.25 (0.0)  
lab\*nch 0.5 0.744 1.0 (0.0)  
relative Natural Colour (NC)  
lab\*trj 0.49 0.0 -0.749  
lab\*nce 0.625 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 (0.0)  
cmyn4\* 0.75 0.384 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 55.19 0.61 -31.48  
LAB\*LAB 55.19 0.61 -31.48  
LAB\*LAB 55.19 0.61 -31.48

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