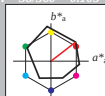


Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18
für Buntton $h^* = lab^*h = 38/360 = 0.105$
 lab^*ch und lab^*nch



D65: Buntton 0
LCH*Ma: 48 83 38
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit i^*

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*LABo 95.41 0.0 0.0
LAB*TCHo 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.5 0.0 (1.0)
lab*ch 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 (1.0)
lab*ncc 1.0 0.0 0.0 (1.0)
lab*nccE 0.0 0.0 - (0.0)

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.24 2.14
LAB*LABo 56.71 0.0 0.0
LAB*TCHo 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0 (1.0)
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 (1.0)
lab*ncc 0.5 0.0 - (0.0)
lab*nccE 0.5 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 0.5 -0.47
LAB*LABo 18.02 0.0 0.0
LAB*TCHo 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*ch 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 (1.0)
lab*ncc 0.0 0.0 - (0.0)
lab*nccE 0.0 0.0 - (0.0)

$n^* = 1.0$

%Umfang
 $u^*_{rel} = 93$
%Regulärität
 $g^*_{rel} = 57$
 $g^*_{c,rel} = 59$

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*LABo 71.67 32.63 25.25
LAB*TCHo 75.0 41.31 37.69

relative CIELAB lab*
lab*lab 0.693 0.396 0.306
lab*ch 0.75 0.5 0.105
lab*nch 0.0 0.5 0.105
relative Natural Colour (NC)
lab*lrj 0.693 0.477 0.15
lab*ncc 0.75 0.5 0.048
lab*nccE 0.0 0.5 0.15

relative Inform. Technology (IT)
olv3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 0.0 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 32.98 32.9 25.85
LAB*LABo 32.98 32.69 25.25
LAB*TCHo 25.01 41.31 37.69

relative CIELAB lab*
lab*lab 0.193 0.396 0.306
lab*ch 0.25 0.5 0.105
lab*nch 0.5 1.0 0.105
relative Natural Colour (NC)
lab*lrj 0.193 0.477 0.15
lab*ncc 0.25 0.5 0.048
lab*nccE 0.5 0.5 0.15

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 0.5 -0.47
LAB*LABo 18.02 0.0 0.0
LAB*TCHo 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*ch 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 (1.0)
lab*ncc 0.0 0.0 - (0.0)
lab*nccE 0.0 0.0 - (0.0)

ORS18; adaptierte CIELAB-Daten
 $L^*a^*b^*$ a^* b^* C^*_{ab} h^*_{ab}
O_{Ma} 47.94 65.39 50.52 82.63 38
Y_{Ma} 90.37 -10.26 91.75 92.32 96
L_{Ma} 50.39 -62.83 34.96 79.91 151
C_{Ma} 58.62 -30.34 -45.01 54.3 236
V_{Ma} 25.72 31.1 -44.4 54.22 305
M_{Ma} 48.13 75.28 -8.36 75.74 354
N_{Ma} 18.01 0.0 0.0 0.0 0
W_{Ma} 95.41 0.0 0.0 0.0 0
RC_{IE} 39.92 58.66 26.98 64.57 25
JC_{IE} 81.26 -2.16 67.76 67.99 92
GC_{IE} 52.23 -42.25 11.76 43.87 164
BC_{IE} 30.57 1.15 -46.84 46.86 271

relative Inform. Technology (IT)
olv3* 1.0 0.0 0.0 (1.0)
cmyn3* 0.0 1.0 1.0 (0.0)
olv4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 1.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.94 65.3 52.06
LAB*LABo 47.94 65.37 50.51
LAB*TCHo 50.0 82.63 37.69

relative CIELAB lab*
lab*lab 0.387 0.791 0.611
lab*ch 0.387 0.54 0.299
lab*nch 0.0 1.0 0.105
relative Natural Colour (NC)
lab*lrj 0.387 0.54 0.299
lab*ncc 0.5 1.0 0.048
lab*nccE 0.0 1.0 0.15

relative Inform. Technology (IT)
olv3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 0.0 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 32.98 32.9 25.85
LAB*LABo 32.98 32.69 25.25
LAB*TCHo 25.01 41.31 37.69

relative CIELAB lab*
lab*lab 0.193 0.396 0.306
lab*ch 0.25 0.5 0.105
lab*nch 0.5 1.0 0.105
relative Natural Colour (NC)
lab*lrj 0.193 0.477 0.15
lab*ncc 0.25 0.5 0.048
lab*nccE 0.5 0.5 0.15

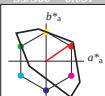
relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.5 -0.47
LAB*LABo 18.02 0.0 0.0
LAB*TCHo 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*ch 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 (1.0)
lab*ncc 0.0 0.0 - (0.0)
lab*nccE 0.0 0.0 - (0.0)

Schwarzhheit n^*

relative Buntheit c^*

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18
für Buntton $h^* = lab^*h = 35/360 = 0.097$
 lab^*ch und lab^*nch



D65: Buntton 0
LCH*Ma: 53 87 35
olv*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit i^*

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*LABo 95.41 0.0 0.0
LAB*TCHo 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0 (1.0)
lab*ch 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 (1.0)
lab*ncc 1.0 0.0 - (0.0)
lab*nccE 0.0 0.0 - (0.0)

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LABo 56.72 0.0 0.0
LAB*TCHo 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0 (1.0)
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 (1.0)
lab*ncc 0.5 0.0 - (0.0)
lab*nccE 0.5 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*LABo 18.03 0.0 0.0
LAB*TCHo 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*ch 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 (1.0)
lab*ncc 0.0 0.0 - (0.0)
lab*nccE 1.0 0.0 - (0.0)

$n^* = 1.0$

%Umfang
 $u^*_{rel} = 118$
%Regulärität
 $g^*_{rel} = 22$
 $g^*_{c,rel} = 40$

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 74.08 35.81 24.94
LAB*LABo 74.08 35.81 24.94
LAB*TCHo 75.0 43.63 34.85

relative CIELAB lab*
lab*lab 0.724 0.41 0.286
lab*ch 0.75 0.5 0.097
lab*nch 0.0 0.5 0.097
relative Natural Colour (NC)
lab*lrj 0.724 0.488 0.109
lab*ncc 0.75 0.5 0.035
lab*nccE 0.0 0.5 0.15

relative Inform. Technology (IT)
olv3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 0.0 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 35.39 35.81 24.94
LAB*LABo 35.39 35.81 24.94
LAB*TCHo 25.01 43.63 34.85

relative CIELAB lab*
lab*lab 0.225 0.41 0.286
lab*ch 0.25 0.5 0.097
lab*nch 0.5 1.0 0.097
relative Natural Colour (NC)
lab*lrj 0.225 0.488 0.109
lab*ncc 0.25 0.5 0.035
lab*nccE 0.5 0.5 0.15

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*LABo 18.03 0.0 0.0
LAB*TCHo 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*ch 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 (1.0)
lab*ncc 0.0 0.0 - (0.0)
lab*nccE 1.0 0.0 - (0.0)

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 74.08 35.81 24.94
LAB*LABo 74.08 35.81 24.94
LAB*TCHo 75.0 43.63 34.85

relative CIELAB lab*
lab*lab 0.724 0.41 0.286
lab*ch 0.75 0.5 0.097
lab*nch 0.0 0.5 0.097
relative Natural Colour (NC)
lab*lrj 0.724 0.488 0.109
lab*ncc 0.75 0.5 0.035
lab*nccE 0.0 0.5 0.15

relative Inform. Technology (IT)
olv3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 0.0 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 35.39 35.81 24.94
LAB*LABo 35.39 35.81 24.94
LAB*TCHo 25.01 43.63 34.85

relative CIELAB lab*
lab*lab 0.225 0.41 0.286
lab*ch 0.25 0.5 0.097
lab*nch 0.5 1.0 0.097
relative Natural Colour (NC)
lab*lrj 0.225 0.488 0.109
lab*ncc 0.25 0.5 0.035
lab*nccE 0.5 0.5 0.15

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*LABo 18.03 0.0 0.0
LAB*TCHo 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*ch 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 (1.0)
lab*ncc 0.0 0.0 - (0.0)
lab*nccE 1.0 0.0 - (0.0)

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 74.08 35.81 24.94
LAB*LABo 74.08 35.81 24.94
LAB*TCHo 75.0 43.63 34.85

relative CIELAB lab*
lab*lab 0.724 0.41 0.286
lab*ch 0.75 0.5 0.097
lab*nch 0.0 0.5 0.097
relative Natural Colour (NC)
lab*lrj 0.724 0.488 0.109
lab*ncc 0.75 0.5 0.035
lab*nccE 0.0 0.5 0.15

relative Inform. Technology (IT)
olv3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 0.0 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 35.39 35.81 24.94
LAB*LABo 35.39 35.81 24.94
LAB*TCHo 25.01 43.63 34.85

relative CIELAB lab*
lab*lab 0.225 0.41 0.286
lab*ch 0.25 0.5 0.097
lab*nch 0.5 1.0 0.097
relative Natural Colour (NC)
lab*lrj 0.225 0.488 0.109
lab*ncc 0.25 0.5 0.035
lab*nccE 0.5 0.5 0.15

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*LABo 18.03 0.0 0.0
LAB*TCHo 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*ch 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 (1.0)
lab*ncc 0.0 0.0 - (0.0)
lab*nccE 1.0 0.0 - (0.0)

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 74.08 35.81 24.94
LAB*LABo 74.08 35.81 24.94
LAB*TCHo 75.0 43.63 34.85

relative CIELAB lab*
lab*lab 0.724 0.41 0.286
lab*ch 0.75 0.5 0.097
lab*nch 0.0 0.5 0.097
relative Natural Colour (NC)
lab*lrj 0.724 0.488 0.109
lab*ncc 0.75 0.5 0.035
lab*nccE 0.0 0.5 0.15

relative Inform. Technology (IT)
olv3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 0.0 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 35.39 35.81 24.94
LAB*LABo 35.39 35.81 24.94
LAB*TCHo 25.01 43.63 34.85

relative CIELAB lab*
lab*lab 0.225 0.41 0.286
lab*ch 0.25 0.5 0.097
lab*nch 0.5 1.0 0.097
relative Natural Colour (NC)
lab*lrj 0.225 0.488 0.109
lab*ncc 0.25 0.5 0.035
lab*nccE 0.5 0.5 0.15

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*LABo 18.03 0.0 0.0
LAB*TCHo 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*ch 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 (1.0)
lab*ncc 0.0 0.0 - (0.0)
lab*nccE 1.0 0.0 - (0.0)

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 74.08 35.81 24.94
LAB*LABo 74.08 35.81 24.94
LAB*TCHo 75.0 43.63 34.85

relative CIELAB lab*
lab*lab 0.724 0.41 0.286
lab*ch 0.75 0.5 0.097
lab*nch 0.0 0.5 0.097
relative Natural Colour (NC)
lab*lrj 0.724 0.488 0.109
lab*ncc 0.75 0.5 0.035
lab*nccE 0.0 0.5 0.15

relative Inform. Technology (IT)
olv3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 0.0 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 35.39 35.81 24.94
LAB*LABo 35.39 35.81 24.94
LAB*TCHo 25.01 43.63 34.85

relative CIELAB lab*
lab*lab 0.225 0.41 0.286
lab*ch 0.25 0.5 0.097
lab*nch 0.5 1.0 0.097
relative Natural Colour (NC)
lab*lrj 0.225 0.488 0.109
lab*ncc 0.25 0.5 0.035
lab*nccE 0.5 0.5 0.15

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*LABo 18.03 0.0 0.0
LAB*TCHo 0.01 0.01 -

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (1.0)
lab*ch 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 (1.0)
lab*ncc 0.0 0.0 - (0.0)
lab*nccE 1.0 0.0 - (0.0)

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 74.08 35.81 24.94
LAB*LABo 74.08 35.81 24.94
LAB*TCHo 75.0 43.63 34.85

relative CIELAB lab*
lab*lab 0.724 0.41 0.286
lab*ch 0.75