

## Eingabe: Farbmetrisches Reflexions-System MRS18

für Buntton  $h^* = lab^*h = 30/360 = 0.083$

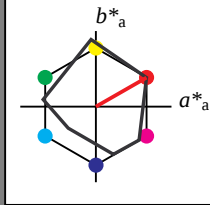
$lab^*ch$  und  $lab^*nch$

D65: Buntton R

LCH\*Ma: 50 77 30

rgb\*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 91$

relative Inform. Technology (IT)

olvi3\* 1.0 1.0 1.0 (1.0)

cmyn3\* 0.0 0.0 0.0 (0.0)

olvi4\* 1.0 1.0 1.0 (1.0)

cmyn4\* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB\*LAB 95.41 -0.97 4.75

LAB\*LABa 95.41 0.0 0.0

LAB\*LABb 95.41 0.0 0.0

LAB\*LABc 95.41 0.0 0.0

relative CIELAB lab\*

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

relative Natural Colour (NC)

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

standard and adapted CIELAB

LAB\*LAB 76.06 -0.6 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 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

relative Natural Colour (NC)

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

## MRS18; adaptierte CIELAB-Daten

$L^*=L^*_a$   $a^*_a$   $b^*_a$   $C^*_{ab,a}$   $h^*_{ab,a}$

RMa 49.63 66.96 38.37 77.18 30

JMa 90.7 -6.36 88.75 88.98 94

GMa 52.11 -69.73 9.44 70.37 172

G50BMa 45.03 -36.57 -28.47 46.36 218

BMa 36.65 23.19 -63.05 67.18 290

B50RMa 34.94 57.17 -44.26 72.31 322

NMa 18.01 0.0 0.0 0.0 0

WMa 95.41 0.0 0.0 0.0 0

RCIE 39.92 58.66 26.98 64.56 25

JCIE 81.26 -2.17 67.76 67.79 92

GCIE 52.23 -42.26 11.75 43.87 164

BCIE 30.57 1.15 -46.84 46.87 271

%Regularität

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

%Umfang

$u^*_{rel} = 91$

relative Inform. Technology (IT)

olvi3\* 1.0 1.0 1.0 (1.0)

cmyn3\* 0.0 0.0 0.0 (0.0)

olvi4\* 1.0 1.0 1.0 (1.0)

cmyn4\* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB\*LAB 95.41 -0.97 4.75

LAB\*LABa 95.41 0.0 0.0

LAB\*LABb 95.41 0.0 0.0

LAB\*LABc 95.41 0.0 0.0

relative CIELAB lab\*

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

relative Natural Colour (NC)

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

standard and adapted CIELAB

LAB\*LAB 76.06 -0.6 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 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

## Ausgabe: Farbmetrisches Reflexions-System MRS18

für Buntton  $h^* = lab^*h = 30/360 = 0.083$

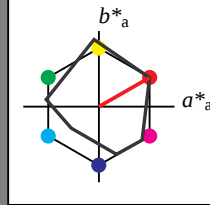
$lab^*ch$  und  $lab^*nch$

D65: Buntton R

LCH\*Ma: 50 77 30

rgb\*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 91$

relative Inform. Technology (IT)

olvi3\* 1.0 1.0 1.0 (1.0)

cmyn3\* 0.0 0.0 0.0 (0.0)

olvi4\* 1.0 1.0 1.0 (1.0)

cmyn4\* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB\*LAB 95.41 -0.97 4.75

LAB\*LABa 95.41 0.0 0.0

LAB\*LABb 95.41 0.0 0.0

LAB\*LABc 95.41 0.0 0.0

relative CIELAB lab\*

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

relative Natural Colour (NC)

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

standard and adapted CIELAB

LAB\*LAB 76.06 -0.6 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 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

relative Natural Colour (NC)

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

## MRS18; adaptierte CIELAB-Daten

$L^*=L^*_a$   $a^*_a$   $b^*_a$   $C^*_{ab,a}$   $h^*_{ab,a}$

RMa 49.63 66.96 38.37 77.18 30

JMa 90.7 -6.36 88.75 88.98 94

GMa 52.11 -69.73 9.44 70.37 172

G50BMa 45.03 -36.57 -28.47 46.36 218

BMa 36.65 23.19 -63.05 67.18 290

B50RMa 34.94 57.17 -44.26 72.31 322

NMa 18.01 0.0 0.0 0.0 0

WMa 95.41 0.0 0.0 0.0 0

RCIE 39.92 58.66 26.98 64.56 25

JCIE 81.26 -2.17 67.76 67.79 92

GCIE 52.23 -42.26 11.75 43.87 164

BCIE 30.57 1.15 -46.84 46.87 271

%Regularität

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

%Umfang

$u^*_{rel} = 91$

relative Inform. Technology (IT)

olvi3\* 1.0 1.0 1.0 (1.0)

cmyn3\* 0.0 0.0 0.0 (0.0)

olvi4\* 1.0 1.0 1.0 (1.0)

cmyn4\* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB\*LAB 95.41 -0.97 4.75

LAB\*LABa 95.41 0.0 0.0

LAB\*LABb 95.41 0.0 0.0

LAB\*LABc 95.41 0.0 0.0

relative CIELAB lab\*

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

relative Natural Colour (NC)

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

standard and adapted CIELAB

LAB\*LAB 76.06 -0.6 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 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

UG540-7, 5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (links)

5 stufige Reihen für konstanten CIELAB Buntton 30/360 = 0.083 (rechts)

BAM-Prüfvorlage UG54; Farbmetrik-Systeme ORS18 & ORS18input:  $cmY0^* setcmykcolor$

D65: 2 Koordinaten-Daten von 25stufigen Farbseiten für 10 Bunttonen: Startup (S) data dependend

## Eingabe: Farbmetrisches Reflexions-System MRS18

für Buntton  $h^* = lab^*h = 94/360 = 0.261$

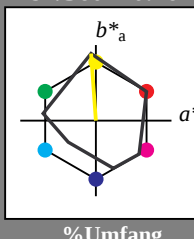
$lab^*ch$  und  $lab^*nch$

D65: Buntton J

LCH\*Ma: 91 89 94

rgb\*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit  $t^*$



### MRS18; adaptierte CIELAB-Daten

|                    | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------------------|---------------|---------|---------|--------------|--------------|
| RMa                | 49.63         | 66.96   | 38.37   | 77.18        | 30           |
| JMa                | 90.7          | -6.36   | 88.75   | 88.98        | 94           |
| GMa                | 52.11         | -69.73  | 9.44    | 70.37        | 172          |
| G50B <sub>Ma</sub> | 45.03         | -36.57  | -28.47  | 46.36        | 218          |
| B <sub>Ma</sub>    | 36.65         | 23.19   | -63.05  | 67.18        | 290          |
| B50R <sub>Ma</sub> | 34.94         | 57.17   | -44.26  | 72.31        | 322          |
| 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            |
| RCIE               | 39.92         | 58.66   | 26.98   | 64.56        | 25           |
| JCIE               | 81.26         | -2.17   | 67.76   | 67.79        | 92           |
| GCIE               | 52.23         | -42.26  | 11.75   | 43.87        | 164          |
| BCIE               | 30.57         | 1.15    | -46.84  | 46.87        | 271          |

%Regularität

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

relative Inform. Technology (IT)  
olvi3\* 1.0 1.0 1.0 (1.0)  
cmyn3\* 0.0 0.0 0.0 (0.0)  
olvi4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 95.41 -0.97 4.75  
LAB\*LAB 95.41 0.0 0.0  
LAB\*TC<sub>Ma</sub> 99.99 0.01

relative Inform. Technology (IT)  
olvi3\* 1.0 1.0 0.75 (1.0)  
cmyn3\* 0.0 0.0 0.25 (0.0)  
olvi4\* 1.0 1.0 0.75 (1.0)  
cmyn4\* 0.0 0.0 0.25 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 94.22 -2.54 26.86  
LAB\*LAB 94.22 -1.58 22.18  
LAB\*TC<sub>Ma</sub> 87.5 22.24 94.1

relative Inform. Technology (IT)  
olvi3\* 1.0 1.0 0.5 (1.0)  
cmyn3\* 0.0 0.0 0.5 (0.0)  
olvi4\* 1.0 1.0 0.5 (1.0)  
cmyn4\* 0.0 0.0 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 93.05 -4.11 48.97  
LAB\*LAB 93.05 -3.17 44.37  
LAB\*TC<sub>Ma</sub> 75.0 44.48 94.1

relative Inform. Technology (IT)  
olvi3\* 1.0 1.0 0.25 (1.0)  
cmyn3\* 0.0 0.0 0.25 (0.0)  
olvi4\* 1.0 1.0 0.25 (1.0)  
cmyn4\* 0.0 0.0 0.25 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 91.87 -5.68 71.07  
LAB\*LAB 91.87 -4.77 66.53  
LAB\*TC<sub>Ma</sub> 62.5 66.73 94.1

relative Inform. Technology (IT)  
olvi3\* 1.0 1.0 0.0 (1.0)  
cmyn3\* 0.0 0.0 0.0 (0.0)  
olvi4\* 1.0 1.0 0.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 90.69 -7.25 93.17  
LAB\*LAB 90.69 -6.36 88.73  
LAB\*TC<sub>Ma</sub> 50.0 88.96 94.1

relative Inform. Technology (IT)  
olvi3\* 0.5 0.5 0.5 (0.0)  
cmyn3\* 0.5 0.5 0.5 (0.0)  
olvi4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 90.69 -7.25 93.17  
LAB\*LAB 90.69 -6.36 88.73  
LAB\*TC<sub>Ma</sub> 50.0 88.96 94.1

relative Inform. Technology (IT)  
olvi3\* 0.5 0.5 0.25 (1.0)  
cmyn3\* 0.5 0.5 0.25 (0.0)  
olvi4\* 1.0 1.0 0.5 (1.0)  
cmyn4\* 0.0 0.0 0.25 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 89.01 -8.54 96.53  
LAB\*LAB 89.01 -7.25 93.17  
LAB\*TC<sub>Ma</sub> 37.5 22.24 94.1

relative Inform. Technology (IT)  
olvi3\* 0.5 0.5 0.0 (1.0)  
cmyn3\* 0.5 0.5 0.0 (0.0)  
olvi4\* 1.0 1.0 0.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 87.5 -9.81 99.99  
LAB\*LAB 87.5 -8.54 96.53  
LAB\*TC<sub>Ma</sub> 25.0 0.01

relative Inform. Technology (IT)  
olvi3\* 0.25 0.25 0.25 (1.0)  
cmyn3\* 0.25 0.25 0.25 (0.0)  
olvi4\* 1.0 1.0 0.25 (1.0)  
cmyn4\* 0.0 0.0 0.25 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 85.95 -11.11 100.0  
LAB\*LAB 85.95 -9.81 99.99  
LAB\*TC<sub>Ma</sub> 12.5 22.24 94.1

relative Inform. Technology (IT)  
olvi3\* 0.25 0.25 0.0 (1.0)  
cmyn3\* 0.25 0.25 0.0 (0.0)  
olvi4\* 1.0 1.0 0.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 84.37 -12.43 100.0  
LAB\*LAB 84.37 -11.11 100.0  
LAB\*TC<sub>Ma</sub> 0.01

relative Inform. Technology (IT)  
olvi3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 0.0 0.0 0.0 (0.0)  
olvi4\* 1.0 1.0 0.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 82.94 -13.75 100.0  
LAB\*LAB 82.94 -12.43 100.0  
LAB\*TC<sub>Ma</sub> 0.01

relative Inform. Technology (IT)  
olvi3\* 0.75 0.75 0.75 (1.0)  
cmyn3\* 0.25 0.25 0.25 (0.0)  
olvi4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.25 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 76.06 -0.6 3.44  
LAB\*LAB 76.06 0.0 0.0  
LAB\*TC<sub>Ma</sub> 75.0 0.01

relative Inform. Technology (IT)  
olvi3\* 0.75 0.75 0.5 (1.0)  
cmyn3\* 0.25 0.25 0.5 (0.0)  
olvi4\* 1.0 1.0 0.5 (1.0)  
cmyn4\* 0.0 0.0 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 76.06 -0.6 3.44  
LAB\*LAB 76.06 0.0 0.0  
LAB\*TC<sub>Ma</sub> 75.0 0.01

relative Inform. Technology (IT)  
olvi3\* 0.75 0.75 0.25 (1.0)  
cmyn3\* 0.25 0.25 0.25 (0.0)  
olvi4\* 1.0 1.0 0.25 (1.0)  
cmyn4\* 0.0 0.0 0.25 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 74.88 -2.17 25.56  
LAB\*LAB 74.88 -1.58 22.19  
LAB\*TC<sub>Ma</sub> 62.5 22.24 94.1

relative Inform. Technology (IT)  
olvi3\* 0.75 0.75 0.0 (1.0)  
cmyn3\* 0.25 0.25 0.0 (0.0)  
olvi4\* 1.0 1.0 0.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 73.7 -3.74 47.67  
LAB\*LAB 73.7 -3.17 44.38  
LAB\*TC<sub>Ma</sub> 50.0 44.48 94.1

relative Inform. Technology (IT)  
olvi3\* 0.75 0.75 0.0 (1.0)  
cmyn3\* 0.25 0.25 0.0 (0.0)  
olvi4\* 1.0 1.0 0.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 73.7 -3.74 47.67  
LAB\*LAB 73.7 -3.17 44.38  
LAB\*TC<sub>Ma</sub> 50.0 44.48 94.1

relative Inform. Technology (IT)  
olvi3\* 0.5 0.5 0.5 (0.0)  
cmyn3\* 0.5 0.5 0.5 (0.0)  
olvi4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 72.53 -5.31 69.77  
LAB\*LAB 72.53 -4.77 66.53  
LAB\*TC<sub>Ma</sub> 37.5 22.24 94.1

relative Inform. Technology (IT)  
olvi3\* 0.5 0.5 0.25 (1.0)  
cmyn3\* 0.5 0.5 0.25 (0.0)  
olvi4\* 1.0 1.0 0.25 (1.0)  
cmyn4\* 0.0 0.0 0.25 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 70.94 -6.73 74.99  
LAB\*LAB 70.94 -5.68 71.07  
LAB\*TC<sub>Ma</sub> 25.0 0.01

relative Inform. Technology (IT)  
olvi3\* 0.5 0.5 0.0 (1.0)  
cmyn3\* 0.5 0.5 0.0 (0.0)  
olvi4\* 1.0 1.0 0.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 69.01 -7.99 81.26  
LAB\*LAB 69.01 -6.73 74.99  
LAB\*TC<sub>Ma</sub> 12.5 22.24 94.1

relative Inform. Technology (IT)  
olvi3\* 0.25 0.25 0.25 (1.0)  
cmyn3\* 0.25 0.25 0.25 (0.0)  
olvi4\* 1.0 1.0 0.25 (1.0)  
cmyn4\* 0.0 0.0 0.25 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 67.36 -9.13 85.95  
LAB\*LAB 67.36 -8.54 96.53  
LAB\*TC<sub>Ma</sub> 0.01

relative Inform. Technology (IT)  
olvi3\* 0.25 0.25 0.0 (1.0)  
cmyn3\* 0.25 0.25 0.0 (0.0)  
olvi4\* 1.0 1.0 0.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 65.95 -10.48 99.99  
LAB\*LAB 65.95 -9.81 99.99  
LAB\*TC<sub>Ma</sub> 0.01

relative Inform. Technology (IT)  
olvi3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 0.0 0.0 0.0 (0.0)  
olvi4\* 1.0 1.0 0.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 64.58 -11.81 100.0  
LAB\*LAB 64.58 -10.48 99.99  
LAB\*TC<sub>Ma</sub> 0.01

UG540-7, 5 stufige Reihen für konstanten CIELAB Buntton 94/360 = 0.261 (links)

5 stufige Reihen für konstanten CIELAB Buntton 94/360 = 0.261 (rechts)

BAM-Prüfvorlage UG54; Farbmetrik-Systeme ORS18 & ORS18input: cmy0\* setcmykcolor

D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Bunttonen

Distiller Startup (S) data dependend

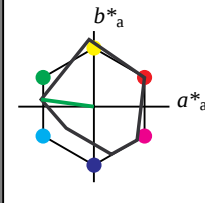
## Eingabe: Farbmetrisches Reflexions-System MRS18

für Buntton  $h^* = lab^*h = 172/360 = 0.479$

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

D65: Buntton G  
LCH\*Ma: 52 70 172  
rgb\*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit  $t^*$



relative Inform. Technology (IT)  
olvi3\* 1.0 1.0 1.0 (1.0)  
cmyn3\* 0.0 0.0 0.0 (0.0)  
olvi4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 95.41 -0.97 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\*ch 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\*trc 1.0 0.0 0.0  
lab\*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)  
olvi3\* 0.75 0.75 0.75 (1.0)  
cmyn3\* 0.25 0.25 0.25 (0.0)  
olvi4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 76.06 -0.6 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\*ch 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\*trc 0.75 0.0 0.0  
lab\*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)  
olvi3\* 0.5 0.5 0.5 (0.0)  
cmyn3\* 0.5 0.5 0.5 (0.0)  
olvi4\* 1.0 1.0 1.0 (0.5)  
cmyn4\* 0.0 0.0 0.0 (0.5)  
standard and adapted CIELAB  
LAB\*LAB 56.71 -0.23 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\*ch 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\*trc 0.5 0.0 0.0  
lab\*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)  
olvi3\* 0.25 0.25 0.25 (1.0)  
cmyn3\* 0.75 0.75 0.75 (0.0)  
olvi4\* 1.0 1.0 1.0 (0.5)  
cmyn4\* 0.0 0.0 0.0 (0.5)  
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\*ch 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\*trc 0.25 0.0 0.0  
lab\*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)  
olvi3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 1.0 1.0 (0.0)  
olvi4\* 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 0.46  
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\*ch 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\*trc 0.0 0.0 0.0  
lab\*ncc 1.0 0.0 0.0

$n^* = 1.0$

## MRS18; adaptierte CIELAB-Daten

|        | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------|---------------|---------|---------|--------------|--------------|
| RMa    | 49.63         | 66.96   | 38.37   | 77.18        | 30           |
| JMa    | 90.7          | -6.36   | 88.75   | 88.98        | 94           |
| GMa    | 52.11         | -69.73  | 9.44    | 70.37        | 172          |
| G50BMa | 45.03         | -36.57  | -28.47  | 46.36        | 218          |
| BMa    | 36.65         | 23.19   | -63.05  | 67.18        | 290          |
| B50RMa | 34.94         | 57.17   | -44.26  | 72.31        | 322          |
| NMa    | 18.01         | 0.0     | 0.0     | 0.0          | 0            |
| WMa    | 95.41         | 0.0     | 0.0     | 0.0          | 0            |
| RCIE   | 39.92         | 58.66   | 26.98   | 64.56        | 25           |
| JCIE   | 81.26         | -2.17   | 67.76   | 67.79        | 92           |
| GCIE   | 52.23         | -42.26  | 11.75   | 43.87        | 164          |
| BCIE   | 30.57         | 1.15    | -46.84  | 46.87        | 271          |

%Regularität

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 159$

$u^*_{rel} = 91$

$n^* = 0.50$

$n^* = 0.25$

$n^* = 0.00$

$n^* = 0.75$

$n^* = 1.0$

$n^* = 0.50$

$n^* = 0.25$

$n^* = 0.00$

$n^* = 0.75$

$n^* = 1.0$

$n^* = 0.50$

$n^* = 0.25$

$n^* = 0.00$

$n^* = 0.75$

$n^* = 1.0$

$n^* = 0.50$

$n^* = 0.25$

$n^* = 0.00$

$n^* = 0.75$

$n^* = 1.0$

$n^* = 0.50$

$n^* = 0.25$

$n^* = 0.00$

$n^* = 0.75$

$n^* = 1.0$

$n^* = 0.50$

$n^* = 0.25$

$n^* = 0.00$

$n^* = 0.75$

$n^* = 1.0$

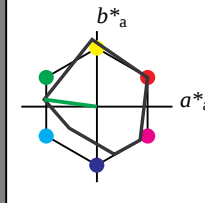
## Ausgabe: Farbmetrisches Reflexions-System MRS18

für Buntton  $h^* = lab^*h = 172/360 = 0.479$

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

D65: Buntton G  
LCH\*Ma: 52 70 172  
rgb\*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit  $t^*$



relative Inform. Technology (IT)  
olvi3\* 1.0 1.0 1.0 (1.0)  
cmyn3\* 0.0 0.0 0.0 (0.0)  
olvi4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 95.41 -0.97 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\*ch 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\*trc 1.0 0.0 0.0  
lab\*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)  
olvi3\* 0.75 0.75 0.75 (1.0)  
cmyn3\* 0.25 0.25 0.25 (0.0)  
olvi4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 76.06 -0.6 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\*ch 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\*trc 0.75 0.0 0.0  
lab\*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)  
olvi3\* 0.5 0.5 0.5 (0.0)  
cmyn3\* 0.5 0.5 0.5 (0.0)  
olvi4\* 1.0 1.0 1.0 (0.5)  
cmyn4\* 0.0 0.0 0.0 (0.5)  
standard and adapted CIELAB  
LAB\*LAB 56.71 -0.23 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\*ch 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\*trc 0.5 0.0 0.0  
lab\*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)  
olvi3\* 0.25 0.25 0.25 (1.0)  
cmyn3\* 0.75 0.75 0.75 (0.0)  
olvi4\* 1.0 1.0 1.0 (0.5)  
cmyn4\* 0.0 0.0 0.0 (0.5)  
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\*ch 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\*trc 0.25 0.0 0.0  
lab\*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)  
olvi3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 1.0 1.0 (0.0)  
olvi4\* 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 0.46  
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\*ch 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\*trc 0.0 0.0 0.0  
lab\*ncc 1.0 0.0 0.0

$n^* = 1.0$

## MRS18; adaptierte CIELAB-Daten

|        | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------|---------------|---------|---------|--------------|--------------|
| RMa    | 49.63         | 66.96   | 38.37   | 77.18        | 30           |
| JMa    | 90.7          | -6.36   | 88.75   | 88.98        | 94           |
| GMa    | 52.11         | -69.73  | 9.44    | 70.37        | 172          |
| G50BMa | 45.03         | -36.57  | -28.47  | 46.36        | 218          |
| BMa    | 36.65         | 23.19   | -63.05  | 67.18        | 290          |
| B50RMa | 34.94         | 57.17   | -44.26  | 72.31        | 322          |
| NMa    | 18.01         | 0.0     | 0.0     | 0.0          | 0            |
| WMa    | 95.41         | 0.0     | 0.0     | 0.0          | 0            |
| RCIE   | 39.92         | 58.66   | 26.98   | 64.56        | 25           |
| JCIE   | 81.26         | -2.17   | 67.76   | 67.79        | 92           |
| GCIE   | 52.23         | -42.26  | 11.75   | 43.87        | 164          |
| BCIE   | 30.57         | 1.15    | -46.84  | 46.87        | 271          |

%Regularität

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

$u^*_{rel} = 91$

$n^* = 0.50$

$n^* = 0.25$

$n^* = 0.00$

$n^* = 0.75$

$n^* = 1.0$

$n^* = 0.50$

$n^* = 0.25$

$n^* = 0.00$

$n^* = 0.75$

$n^* = 1.0$

$n^* = 0.50$

$n^* = 0.25$

$n^* = 0.00$

$n^* = 0.75$

$n^* = 1.0$

$n^* = 0.50$

$n^* = 0.25$

$n^* = 0.00$

$n^* = 0.75$

$n^* = 1.0$

$n^* = 0.50$

$n^* = 0.25$

$n^* = 0.00$

$n^* = 0.75$

$n^* = 1.0$

$n^* = 0.50$

$n^* = 0.25$

$n^* = 0.00$

$n^* = 0.75$

$n^* = 1.0$

UG540-7, 5 stufige Reihen für konstanten CIELAB Buntton 172/360 = 0.479 (links)

5 stufige Reihen für konstanten CIELAB Buntton 172/360 = 0.479 (rechts)

BAM-Prüfvorlage UG54; Farbmetrik-Systeme ORS18 & ORS18input:  $cmY0^* setcmykcolor$

D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Bunttonen: Startup (S) data dependent

|   |   |   |   |
|---|---|---|---|
| C | M | Y | C |
|---|---|---|---|

## Eingabe: Farbmetrisches Reflexions-System MRS18

für Buntton  $h^* = lab^*h = 290/360 = 0.806$

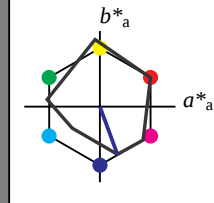
$lab^*ch$  und  $lab^*nch$

D65: Buntton B

LCH\*Ma: 37 67 290

rgb\*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 91$

relative Inform. Technology (IT)

|         |       |       |      |       |
|---------|-------|-------|------|-------|
| olvi3*  | 1.0   | 1.0   | 1.0  | (1.0) |
| cmyn3*  | 0.0   | 0.0   | 0.0  | (0.0) |
| olvi4*  | 1.0   | 1.0   | 1.0  | (1.0) |
| cmyn4*  | 0.0   | 0.0   | 0.0  | (0.0) |
| LAB*LAB | 95.41 | -0.97 | 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*ch  | 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*trc | 1.0 | 0.0 | 0.0 |  |
| lab*ncc | 0.0 | 0.0 | 0.0 |  |

relative Inform. Technology (IT)

|         |       |      |      |       |
|---------|-------|------|------|-------|
| olvi3*  | 0.75  | 0.75 | 0.75 | (1.0) |
| cmyn3*  | 0.25  | 0.25 | 0.25 | (0.0) |
| olvi4*  | 1.0   | 1.0  | 1.0  | (1.0) |
| cmyn4*  | 0.0   | 0.0  | 0.0  | (0.0) |
| LAB*LAB | 76.06 | -0.6 | 3.44 |       |
| LAB*LAB | 76.06 | 0.0  | 0.0  |       |
| LAB*LAB | 75.00 | 0.01 | 0.0  |       |

relative CIELAB lab\*

|         |      |     |     |  |
|---------|------|-----|-----|--|
| lab*lab | 0.75 | 0.0 | 0.0 |  |
| lab*ch  | 0.75 | 0.0 | 0.0 |  |
| lab*nch | 0.0  | 0.0 | 0.0 |  |

relative Natural Colour (NC)

|         |      |     |     |  |
|---------|------|-----|-----|--|
| lab*trj | 0.75 | 0.0 | 0.0 |  |
| lab*trc | 0.75 | 0.0 | 0.0 |  |
| lab*ncc | 0.0  | 0.0 | 0.0 |  |

relative Inform. Technology (IT)

|         |       |      |      |       |
|---------|-------|------|------|-------|
| olvi3*  | 0.75  | 0.75 | 0.75 | (1.0) |
| cmyn3*  | 0.25  | 0.25 | 0.25 | (0.0) |
| olvi4*  | 1.0   | 1.0  | 1.0  | (1.0) |
| cmyn4*  | 0.0   | 0.0  | 0.0  | (0.0) |
| LAB*LAB | 76.06 | -0.6 | 3.44 |       |
| LAB*LAB | 76.06 | 0.0  | 0.0  |       |
| LAB*LAB | 75.00 | 0.01 | 0.0  |       |

relative CIELAB lab\*

|         |      |     |     |  |
|---------|------|-----|-----|--|
| lab*lab | 0.75 | 0.0 | 0.0 |  |
| lab*ch  | 0.75 | 0.0 | 0.0 |  |
| lab*nch | 0.0  | 0.0 | 0.0 |  |

relative Natural Colour (NC)

|         |      |     |     |  |
|---------|------|-----|-----|--|
| lab*trj | 0.75 | 0.0 | 0.0 |  |
| lab*trc | 0.75 | 0.0 | 0.0 |  |
| lab*ncc | 0.0  | 0.0 | 0.0 |  |

relative Inform. Technology (IT)

|         |       |       |      |       |
|---------|-------|-------|------|-------|
| olvi3*  | 0.5   | 0.5   | 0.5  | (0.0) |
| cmyn3*  | 0.5   | 0.5   | 0.5  | (0.0) |
| olvi4*  | 1.0   | 1.0   | 1.0  | (1.0) |
| cmyn4*  | 0.0   | 0.0   | 0.0  | (0.0) |
| LAB*LAB | 56.71 | -0.23 | 2.14 |       |
| LAB*LAB | 56.71 | 0.0   | 0.0  |       |
| LAB*LAB | 50.00 | 0.01  | 0.0  |       |

relative CIELAB lab\*

|         |     |     |     |  |
|---------|-----|-----|-----|--|
| lab*lab | 0.5 | 0.0 | 0.0 |  |
| lab*ch  | 0.5 | 0.0 | 0.0 |  |
| lab*nch | 0.0 | 0.0 | 0.0 |  |

relative Natural Colour (NC)

|         |     |     |     |  |
|---------|-----|-----|-----|--|
| lab*trj | 0.5 | 0.0 | 0.0 |  |
| lab*trc | 0.5 | 0.0 | 0.0 |  |
| lab*ncc | 0.0 | 0.0 | 0.0 |  |

relative Inform. Technology (IT)

|         |       |       |      |       |
|---------|-------|-------|------|-------|
| olvi3*  | 0.25  | 0.25  | 0.25 | (1.0) |
| cmyn3*  | 0.75  | 0.75  | 0.75 | (0.0) |
| olvi4*  | 1.0   | 1.0   | 1.0  | (1.0) |
| cmyn4*  | 0.0   | 0.0   | 0.0  | (0.0) |
| 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 | 0.25 | 0.0 | 0.0 |  |
| lab*ch  | 0.25 | 0.0 | 0.0 |  |
| lab*nch | 0.0  | 0.0 | 0.0 |  |

relative Natural Colour (NC)

|         |      |     |     |  |
|---------|------|-----|-----|--|
| lab*trj | 0.25 | 0.0 | 0.0 |  |
| lab*trc | 0.25 | 0.0 | 0.0 |  |
| lab*ncc | 0.0  | 0.0 | 0.0 |  |

relative Inform. Technology (IT)

|         |       |      |      |       |
|---------|-------|------|------|-------|
| olvi3*  | 0.0   | 0.0  | 0.0  | (1.0) |
| cmyn3*  | 1.0   | 1.0  | 1.0  | (0.0) |
| olvi4*  | 1.0   | 1.0  | 1.0  | (1.0) |
| cmyn4*  | 0.0   | 0.0  | 0.0  | (0.0) |
| LAB*LAB | 18.02 | 0.0  | 0.46 |       |
| LAB*LAB | 18.02 | 0.0  | 0.0  |       |
| LAB*LAB | 0.01  | 0.01 | 0.0  |       |

relative CIELAB lab\*

|         |     |     |     |  |
|---------|-----|-----|-----|--|
| lab*lab | 0.0 | 0.0 | 0.0 |  |
| lab*ch  | 0.0 | 0.0 | 0.0 |  |
| lab*nch | 1.0 | 0.0 | 0.0 |  |

relative Natural Colour (NC)

|         |     |     |     |  |
|---------|-----|-----|-----|--|
| lab*trj | 0.0 | 0.0 | 0.0 |  |
| lab*trc | 0.0 | 0.0 | 0.0 |  |
| lab*ncc | 1.0 | 0.0 | 0.0 |  |

relative Inform. Technology (IT)

|         |       |       |      |       |
|---------|-------|-------|------|-------|
| olvi3*  | 0.5   | 0.5   | 0.5  | (1.0) |
| cmyn3*  | 0.5   | 0.5   | 0.5  | (0.0) |
| olvi4*  | 1.0   | 1.0   | 1.0  | (1.0) |
| cmyn4*  | 0.0   | 0.0   | 0.0  | (0.0) |
| LAB*LAB | 56.71 | -0.23 | 2.14 |       |
| LAB*LAB | 56.71 | 0.0   | 0.0  |       |
| LAB*LAB | 50.00 | 0.01  | 0.0  |       |

relative CIELAB lab\*

|         |     |     |     |  |
|---------|-----|-----|-----|--|
| lab*lab | 0.5 | 0.0 | 0.0 |  |
| lab*ch  | 0.5 | 0.0 | 0.0 |  |
| lab*nch | 0.0 | 0.0 | 0.0 |  |

relative Natural Colour (NC)

|         |     |     |     |  |
|---------|-----|-----|-----|--|
| lab*trj | 0.5 | 0.0 | 0.0 |  |
| lab*trc | 0.5 | 0.0 | 0.0 |  |
| lab*ncc | 0.0 | 0.0 | 0.0 |  |

relative Inform. Technology (IT)

|         |       |       |      |       |
|---------|-------|-------|------|-------|
| olvi3*  | 0.25  | 0.25  | 0.25 | (1.0) |
| cmyn3*  | 0.75  | 0.75  | 0.75 | (0.0) |
| olvi4*  | 1.0   | 1.0   | 1.0  | (1.0) |
| cmyn4*  | 0.0   | 0.0   | 0.0  | (0.0) |
| 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 | 0.25 | 0.0 | 0.0 |  |
| lab*ch  | 0.25 | 0.0 | 0.0 |  |
| lab*nch | 0.0  | 0.0 | 0.0 |  |

relative Natural Colour (NC)

|         |      |     |     |  |
|---------|------|-----|-----|--|
| lab*trj | 0.25 | 0.0 | 0.0 |  |
| lab*trc | 0.25 | 0.0 | 0.0 |  |
| lab*ncc | 0.0  | 0.0 | 0.0 |  |

relative Inform. Technology (IT)

|         |       |      |      |       |
|---------|-------|------|------|-------|
| olvi3*  | 0.0   | 0.0  | 0.0  | (1.0) |
| cmyn3*  | 1.0   | 1.0  | 1.0  | (0.0) |
| olvi4*  | 1.0   | 1.0  | 1.0  | (1.0) |
| cmyn4*  | 0.0   | 0.0  | 0.0  | (0.0) |
| LAB*LAB | 18.02 | 0.0  | 0.46 |       |
| LAB*LAB | 18.02 | 0.0  | 0.0  |       |
| LAB*LAB | 0.01  | 0.01 | 0.0  |       |

relative CIELAB lab\*

|         |     |     |     |  |
|---------|-----|-----|-----|--|
| lab*lab | 0.0 | 0.0 | 0.0 |  |
| lab*ch  | 0.0 | 0.0 | 0.0 |  |
| lab*nch | 1.0 | 0.0 | 0.0 |  |

relative Natural Colour (NC)

|         |     |     |     |  |
|---------|-----|-----|-----|--|
| lab*trj | 0.0 | 0.0 | 0.0 |  |
| lab*trc | 0.0 | 0.0 | 0.0 |  |
| lab*ncc | 1.0 | 0.0 | 0.0 |  |

relative Inform. Technology (IT)

|         |       |      |      |       |
|---------|-------|------|------|-------|
| olvi3*  | 0.0   | 0.0  | 0.0  | (1.0) |
| cmyn3*  | 1.0   | 1.0  | 1.0  | (0.0) |
| olvi4*  | 1.0   | 1.0  | 1.0  | (1.0) |
| cmyn4*  | 0.0   | 0.0  | 0.0  | (0.0) |
| LAB*LAB | 18.02 | 0.0  | 0.46 |       |
| LAB*LAB | 18.02 | 0.0  | 0.0  |       |
| LAB*LAB | 0.01  | 0.01 | 0.0  |       |

relative CIELAB lab\*

|         |     |     |     |  |
|---------|-----|-----|-----|--|
| lab*lab | 0.0 | 0.0 | 0.0 |  |
| lab*ch  | 0.0 | 0.0 | 0.0 |  |
| lab*nch | 1.0 | 0.0 | 0.0 |  |

relative Natural Colour (NC)

|         |     |     |     |  |
|---------|-----|-----|-----|--|
| lab*trj | 0.0 | 0.0 | 0.0 |  |
| lab*trc | 0.0 | 0.0 | 0.0 |  |
| lab*ncc | 1.0 | 0.0 | 0.0 |  |

## MRS18; adaptierte CIELAB-Daten

$L^*=L^*_a$   $a^*_a$   $b^*_a$   $C^*_{ab,a}$   $h^*_{ab,a}$

|        |       |        |        |       |     |
|--------|-------|--------|--------|-------|-----|
| RMa    | 49.63 | 66.96  | 38.37  | 77.18 | 30  |
| JMa    | 90.7  | -6.36  | 88.75  | 88.98 | 94  |
| GMa    | 52.11 | -69.73 | 9.44   | 70.37 | 172 |
| G50BMa | 45.03 | -36.57 | -28.47 | 46.36 | 218 |
| BMa    | 36.65 | 23.19  | -63.05 | 67.18 | 290 |
| B50RMa | 34.94 | 57.17  | -44.26 | 72.31 | 322 |
| NMa    | 18.01 | 0.0    | 0.0    | 0.0   | 0   |
| WMa    | 95.41 | 0.0    | 0.0    | 0.0   | 0   |
| RCIE   | 39.92 | 58.66  | 26.98  | 64.56 | 25  |
| JCIE   | 81.26 | -2.17  | 67.76  | 67.79 | 92  |
| GCIE   | 52.23 | -42.26 | 11.75  | 43.87 | 164 |
| BCIE   | 30.57 | 1.15   | -46.84 | 46.87 | 271 |

%Regularität

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

relative Inform. Technology (IT)

|         |       |       |        |       |
|---------|-------|-------|--------|-------|
| olvi3*  | 0.5   | 0.5   | 0.5    | (1.0) |
| cmyn3*  | 0.5   | 0.5   | 0.5    | (0.0) |
| olvi4*  | 1.0   | 1.0   | 1.0    | (1.0) |
| cmyn4*  | 0.0   | 0.0   | 0.0    | (0.0) |
| LAB*LAB | 66.03 | 11.17 | -28.74 |       |
| LAB*LAB | 66.03 | 11.17 | -28.74 |       |
| LAB*LAB | 66.03 | 11.17 | -28.74 |       |

relative CIELAB lab\*

|         |     |     |     |  |
|---------|-----|-----|-----|--|
| lab*lab | 0.5 | 0.0 | 0.0 |  |
| lab*ch  | 0.5 | 0.0 | 0.0 |  |
| lab*nch | 0.0 | 0.0 | 0.0 |  |

relative Natural Colour (NC)

|         |     |     |     |  |
|---------|-----|-----|-----|--|
| lab*trj | 0.5 | 0.0 | 0.0 |  |
| lab*trc | 0.5 | 0.0 | 0.0 |  |
| lab*ncc | 0.0 | 0.0 | 0.0 |  |

relative Inform. Technology (IT)

|         |       |       |        |       |
|---------|-------|-------|--------|-------|
| olvi3*  | 0.25  | 0.25  | 0.25   | (1.0) |
| cmyn3*  | 0.75  | 0.75  | 0.75   | (0.0) |
| olvi4*  | 1.0   | 1.0   | 1.0    | (1.0) |
| cmyn4*  | 0.0   | 0.0   | 0.0    | (0.0) |
| LAB*LAB | 46.68 | 11.55 | -30.05 |       |
| LAB*LAB | 46.68 | 11.55 | -30.05 |       |
| LAB*LAB | 46.68 | 11.55 | -30.05 |       |

relative CIELAB lab\*

|         |      |     |     |  |
|---------|------|-----|-----|--|
| lab*lab | 0.25 | 0.0 | 0.0 |  |
| lab*ch  | 0.25 | 0.0 | 0.0 |  |
| lab*nch | 0.0  | 0.0 | 0.0 |  |

relative Natural Colour (NC)

|         |      |     |     |  |
|---------|------|-----|-----|--|
| lab*trj | 0.25 | 0.0 | 0.0 |  |
| lab*trc | 0.25 | 0.0 | 0.0 |  |
| lab*ncc | 0.0  | 0.0 | 0.0 |  |

relative Inform. Technology (IT)

|         |       |       |        |       |
|---------|-------|-------|--------|-------|
| olvi3*  | 0.0   | 0.0   | 0.0    | (1.0) |
| cmyn3*  | 1.0   | 1.0   | 1.0    | (0.0) |
| olvi4*  | 1.0   | 1.0   | 1.0    | (1.0) |
| cmyn4*  | 0.0   | 0.0   | 0.0    | (0.0) |
| LAB*LAB | 27.34 | 11.59 | -31.51 |       |
| LAB*LAB | 27.34 | 11.59 | -31.51 |       |
| LAB*LAB | 27.34 | 11.59 | -31.51 |       |

relative CIELAB lab\*

|         |     |     |     |  |
|---------|-----|-----|-----|--|
| lab*lab | 0.0 | 0.0 | 0.0 |  |
| lab*ch  | 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*trc | 0.0 | 0.0 | 0.0 |  |
| lab*ncc | 1.0 | 0.0 | 0.0 |  |

relative Inform. Technology (IT)

|         |       |      |      |       |
|---------|-------|------|------|-------|
| olvi3*  | 0.0   | 0.0  | 0.0  | (1.0) |
| cmyn3*  | 1.0   | 1.0  | 1.0  | (0.0) |
| olvi4*  | 1.0   | 1.0  | 1.0  | (1.0) |
| cmyn4*  | 0.0   | 0.0  | 0.0  | (0.0) |
| LAB*LAB | 18.02 | 0.0  | 0.46 |       |
| LAB*LAB | 18.02 | 0.0  | 0.0  |       |
| LAB*LAB | 0.01  | 0.01 | 0.0  |       |

relative CIELAB lab\*

|         |     |     |     |  |
|---------|-----|-----|-----|--|
| lab*lab | 0.0 | 0.0 | 0.0 |  |
| lab*ch  | 0.0 | 0.0 | 0.0 |  |
| lab*nch | 1.0 | 0.0 | 0.0 |  |

relative Natural Colour (NC)

|         |     |     |     |  |
|---------|-----|-----|-----|--|
| lab*trj | 0.0 | 0.0 | 0.0 |  |
| lab*trc | 0.0 | 0.0 | 0.0 |  |
| lab*ncc | 1.0 | 0.0 | 0.0 |  |

relative Inform. Technology (IT)

|         |      |       |       |       |
|---------|------|-------|-------|-------|
| olvi3*  | 0.25 | 0.25  | 0.25  | (1.0) |
| cmyn3*  | 0.75 | 0.75  | 0.75  | (0.0) |
| olvi4*  | 1.0  | 1.0   | 1.0   | (1.0) |
| cmyn4*  | 0.0  | 0.0   | 0.0   | (0.0) |
| LAB*LAB | 32.0 | 17.62 | -46.8 |       |
| LAB*LAB | 32.0 | 17.62 | -46.8 |       |
| LAB*LAB | 32.0 | 17.62 | -46.8 |       |

relative CIELAB lab\*

|         |      |     |     |  |
|---------|------|-----|-----|--|
| lab*lab | 0.25 | 0.0 | 0.0 |  |
| lab*ch  | 0.25 | 0.0 | 0.0 |  |
| lab*nch | 0.0  | 0.0 | 0.0 |  |

relative Natural Colour (NC)

|         |      |     |     |  |
|---------|------|-----|-----|--|
| lab*trj | 0.25 | 0.0 | 0.0 |  |
| lab*trc | 0.25 | 0.0 | 0.0 |  |
| lab*ncc | 0.0  | 0.0 | 0.0 |  |

relative Inform. Technology (IT)

|         |       |       |        |       |
|---------|-------|-------|--------|-------|
| olvi3*  | 0.0   | 0.0   | 0.0    | (1.0) |
| cmyn3*  | 1.0   | 1.0   | 1.0    | (0.0) |
| olvi4*  | 1.0   | 1.0   | 1.0    | (1.0) |
| cmyn4*  | 0.0   | 0.0   | 0.0    | (0.0) |
| LAB*LAB | 27.34 | 11.59 | -31.51 |       |
| LAB*LAB | 27.34 | 11.59 | -31.51 |       |
| LAB*LAB | 27.34 | 11.59 | -31.51 |       |

relative CIELAB lab\*

|         |     |     |     |  |
|---------|-----|-----|-----|--|
| lab*lab | 0.0 | 0.0 | 0.0 |  |
| lab*ch  | 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*trc | 0.0 | 0.0 | 0.0 |  |
| lab*ncc | 1.0 | 0.0 | 0.0 |  |

relative Inform. Technology (IT)

|         |       |      |      |       |
|---------|-------|------|------|-------|
| olvi3*  | 0.0   | 0.0  | 0.0  | (1.0) |
| cmyn3*  | 1.0   | 1.0  | 1.0  | (0.0) |
| olvi4*  | 1.0   | 1.0  | 1.0  | (1.0) |
| cmyn4*  | 0.0   | 0.0  | 0.0  | (0.0) |
| LAB*LAB | 18.02 | 0.0  | 0.46 |       |
| LAB*LAB | 18.02 | 0.0  | 0.0  |       |
| LAB*LAB | 0.01  | 0.01 | 0.0  |       |

relative CIELAB lab\*

|         |     |     |     |  |
|---------|-----|-----|-----|--|
| lab*lab | 0.0 | 0.0 | 0.0 |  |
| lab*ch  | 0.0 | 0.0 | 0.0 |  |
| lab*nch | 1.0 | 0.0 | 0.0 |  |

relative Natural Colour (NC)

|         |     |     |     |  |
|---------|-----|-----|-----|--|
| lab*trj | 0.0 | 0.0 | 0.0 |  |
| lab*trc | 0.0 | 0.0 | 0.0 |  |
| lab*ncc | 1.0 | 0.0 | 0.0 |  |

relative Inform. Technology (IT)

|        |     |     |       |
|--------|-----|-----|-------|
| olvi3* | 0.0 | 0.0 | 0.0</ |
|--------|-----|-----|-------|

## Eingabe: Farbmetrisches Reflexions-System MRS18

für Buntton  $h^* = lab^*h = 322/360 = 0.895$

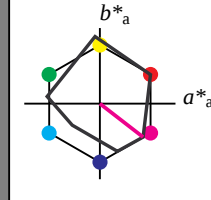
$lab^*tch$  und  $lab^*nch$

D65: Buntton B50R

LCH\*Ma: 35 72 322

rgb\*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 91$

relative Inform. Technology (IT)

olvi3\* 1.0 1.0 1.0 (1.0)

olvi4\* 1.0 1.0 1.0 (1.0)

olvi5\* 1.0 1.0 1.0 (1.0)

olvi6\* 1.0 1.0 1.0 (1.0)

olvi7\* 1.0 1.0 1.0 (1.0)

olvi8\* 1.0 1.0 1.0 (1.0)

olvi9\* 1.0 1.0 1.0 (1.0)

olvi10\* 1.0 1.0 1.0 (1.0)

olvi11\* 1.0 1.0 1.0 (1.0)

olvi12\* 1.0 1.0 1.0 (1.0)

olvi13\* 1.0 1.0 1.0 (1.0)

olvi14\* 1.0 1.0 1.0 (1.0)

olvi15\* 1.0 1.0 1.0 (1.0)

olvi16\* 1.0 1.0 1.0 (1.0)

olvi17\* 1.0 1.0 1.0 (1.0)

olvi18\* 1.0 1.0 1.0 (1.0)

olvi19\* 1.0 1.0 1.0 (1.0)

olvi20\* 1.0 1.0 1.0 (1.0)

olvi21\* 1.0 1.0 1.0 (1.0)

olvi22\* 1.0 1.0 1.0 (1.0)

olvi23\* 1.0 1.0 1.0 (1.0)

olvi24\* 1.0 1.0 1.0 (1.0)

olvi25\* 1.0 1.0 1.0 (1.0)

olvi26\* 1.0 1.0 1.0 (1.0)

olvi27\* 1.0 1.0 1.0 (1.0)

olvi28\* 1.0 1.0 1.0 (1.0)

olvi29\* 1.0 1.0 1.0 (1.0)

olvi30\* 1.0 1.0 1.0 (1.0)

olvi31\* 1.0 1.0 1.0 (1.0)

olvi32\* 1.0 1.0 1.0 (1.0)

olvi33\* 1.0 1.0 1.0 (1.0)

olvi34\* 1.0 1.0 1.0 (1.0)

olvi35\* 1.0 1.0 1.0 (1.0)

olvi36\* 1.0 1.0 1.0 (1.0)

olvi37\* 1.0 1.0 1.0 (1.0)

olvi38\* 1.0 1.0 1.0 (1.0)

## MRS18; adaptierte CIELAB-Daten

$L^*=L^*_a$   $a^*_a$   $b^*_a$   $C^*_{ab,a}$   $h^*_{ab,a}$

RMa 49.63 66.96 38.37 77.18 30

JMa 90.7 -6.36 88.75 88.98 94

GMa 52.11 -69.73 9.44 70.37 172

G50BMa 45.03 -36.57 -28.47 46.36 218

BMa 36.65 23.19 -63.05 67.18 290

B50RMa 34.94 57.17 -44.26 72.31 322

NMa 18.01 0.0 0.0 0.0 0

WMa 95.41 0.0 0.0 0.0 0

RCIE 39.92 58.66 26.98 64.56 25

JCIE 81.26 -2.17 67.76 67.79 92

GCIE 52.23 -42.26 11.75 43.87 164

BCIE 30.57 1.15 -46.84 46.87 271

%Regularität

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

%Umfang

$u^*_{rel} = 91$

relative Inform. Technology (IT)

olvi3\* 1.0 1.0 1.0 (1.0)

olvi4\* 1.0 1.0 1.0 (1.0)

olvi5\* 1.0 1.0 1.0 (1.0)

olvi6\* 1.0 1.0 1.0 (1.0)

olvi7\* 1.0 1.0 1.0 (1.0)

olvi8\* 1.0 1.0 1.0 (1.0)

olvi9\* 1.0 1.0 1.0 (1.0)

olvi10\* 1.0 1.0 1.0 (1.0)

olvi11\* 1.0 1.0 1.0 (1.0)

olvi12\* 1.0 1.0 1.0 (1.0)

olvi13\* 1.0 1.0 1.0 (1.0)

olvi14\* 1.0 1.0 1.0 (1.0)

olvi15\* 1.0 1.0 1.0 (1.0)

olvi16\* 1.0 1.0 1.0 (1.0)

olvi17\* 1.0 1.0 1.0 (1.0)

olvi18\* 1.0 1.0 1.0 (1.0)

olvi19\* 1.0 1.0 1.0 (1.0)

olvi20\* 1.0 1.0 1.0 (1.0)

olvi21\* 1.0 1.0 1.0 (1.0)

olvi22\* 1.0 1.0 1.0 (1.0)

olvi23\* 1.0 1.0 1.0 (1.0)

olvi24\* 1.0 1.0 1.0 (1.0)

olvi25\* 1.0 1.0 1.0 (1.0)

olvi26\* 1.0 1.0 1.0 (1.0)

olvi27\* 1.0 1.0 1.0 (1.0)

olvi28\* 1.0 1.0 1.0 (1.0)

olvi29\* 1.0 1.0 1.0 (1.0)

olvi30\* 1.0 1.0 1.0 (1.0)

olvi31\* 1.0 1.0 1.0 (1.0)

## Ausgabe: Farbmetrisches Reflexions-System MRS18

für Buntton  $h^* = lab^*h = 322/360 = 0.895$

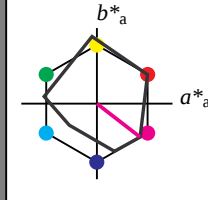
$lab^*tch$  und  $lab^*nch$

D65: Buntton B50R

LCH\*Ma: 35 72 322

rgb\*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 91$

relative Inform. Technology (IT)

olvi3\* 1.0 1.0 1.0 (1.0)

olvi4\* 1.0 1.0 1.0 (1.0)

olvi5\* 1.0 1.0 1.0 (1.0)

olvi6\* 1.0 1.0 1.0 (1.0)

olvi7\* 1.0 1.0 1.0 (1.0)

olvi8\* 1.0 1.0 1.0 (1.0)

olvi9\* 1.0 1.0 1.0 (1.0)

olvi10\* 1.0 1.0 1.0 (1.0)

olvi11\* 1.0 1.0 1.0 (1.0)

olvi12\* 1.0 1.0 1.0 (1.0)

olvi13\* 1.0 1.0 1.0 (1.0)

olvi14\* 1.0 1.0 1.0 (1.0)

olvi15\* 1.0 1.0 1.0 (1.0)

olvi16\* 1.0 1.0 1.0 (1.0)

olvi17\* 1.0 1.0 1.0 (1.0)

olvi18\* 1.0 1.0 1.0 (1.0)

olvi19\* 1.0 1.0 1.0 (1.0)

olvi20\* 1.0 1.0 1.0 (1.0)

olvi21\* 1.0 1.0 1.0 (1.0)

olvi22\* 1.0 1.0 1.0 (1.0)

olvi23\* 1.0 1.0 1.0 (1.0)

olvi24\* 1.0 1.0 1.0 (1.0)

olvi25\* 1.0 1.0 1.0 (1.0)

olvi26\* 1.0 1.0 1.0 (1.0)

olvi27\* 1.0 1.0 1.0 (1.0)

olvi28\* 1.0 1.0 1.0 (1.0)

olvi29\* 1.0 1.0 1.0 (1.0)

olvi30\* 1.0 1.0 1.0 (1.0)

olvi31\* 1.0 1.0 1.0 (1.0)

olvi32\* 1.0 1.0 1.0 (1.0)

olvi33\* 1.0 1.0 1.0 (1.0)

olvi34\* 1.0 1.0 1.0 (1.0)

olvi35\* 1.0 1.0 1.0 (1.0)

olvi36\* 1.0 1.0 1.0 (1.0)

olvi37\* 1.0 1.0 1.0 (1.0)

olvi38\* 1.0 1.0 1.0 (1.0)

## MRS18; adaptierte CIELAB-Daten

$L^*=L^*_a$   $a^*_a$   $b^*_a$   $C^*_{ab,a}$   $h^*_{ab,a}$

RMa 49.63 66.96 38.37 77.18 30

JMa 90.7 -6.36 88.75 88.98 94

GMa 52.11 -69.73 9.44 70.37 172

G50BMa 45.03 -36.57 -28.47 46.36 218

BMa 36.65 23.19 -63.05 67.18 290

B50RMa 34.94 57.17 -44.26 72.31 322

NMa 18.01 0.0 0.0 0.0 0

WMa 95.41 0.0 0.0 0.0 0

RCIE 39.92 58.66 26.98 64.56 25

JCIE 81.26 -2.17 67.76 67.79 92

GCIE 52.23 -42.26 11.75 43.87 164

BCIE 30.57 1.15 -46.84 46.87 271

%Regularität

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

%Umfang

$u^*_{rel} = 91$

relative Inform. Technology (IT)

olvi3\* 1.0 1.0 1.0 (1.0)

olvi4\* 1.0 1.0 1.0 (1.0)

olvi5\* 1.0 1.0 1.0 (1.0)

olvi6\* 1.0 1.0 1.0 (1.0)

olvi7\* 1.0 1.0 1.0 (1.0)

olvi8\* 1.0 1.0 1.0 (1.0)

olvi9\* 1.0 1.0 1.0 (1.0)

olvi10\* 1.0 1.0 1.0 (1.0)

olvi11\* 1.0 1.0 1.0 (1.0)

olvi12\* 1.0 1.0 1.0 (1.0)

olvi13\* 1.0 1.0 1.0 (1.0)

olvi14\* 1.0 1.0 1.0 (1.0)

olvi15\* 1.0 1.0 1.0 (1.0)

olvi16\* 1.0 1.0 1.0 (1.0)

olvi17\* 1.0 1.0 1.0 (1.0)

olvi18\* 1.0 1.0 1.0 (1.0)

olvi19\* 1.0 1.0 1.0 (1.0)

olvi20\* 1.0 1.0 1.0 (1.0)

olvi21\* 1.0 1.0 1.0 (1.0)

olvi22\* 1.0 1.0 1.0 (1.0)

olvi23\* 1.0 1.0 1.0 (1.0)

olvi24\* 1.0 1.0 1.0 (1.0)

olvi25\* 1.0 1.0 1.0 (1.0)

olvi26\* 1.0 1.0 1.0 (1.0)

olvi27\* 1.0 1.0 1.0 (1.0)

olvi28\* 1.0 1.0 1.0 (1.0)

olvi29\* 1.0 1.0 1.0 (1.0)

olvi30\* 1.0 1.0 1.0 (1.0)

olvi31\* 1.0 1.0 1.0 (1.0)

UG540-7, 5 stufige Reihen für konstanten CIELAB Buntton 322/360 = 0.895 (links)

5 stufige Reihen für konstanten CIELAB Buntton 322/360 = 0.895 (rechts)

BAM-Prüfvorlage UG54; Farbmetrik-Systeme ORS18 & ORS18input:  $cmY0^* setcmYk0^*$

D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Bunttonen: Startup (S) data dependant

## Eingabe: Farbmetrisches Reflexions-System MRS18

für Buntton  $h^* = lab^*h = 25/360 = 0.069$

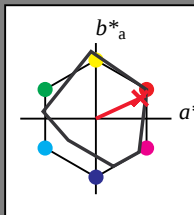
$lab^*tch$  und  $lab^*nch$

D65: Buntton R

LCH\*Ma: 48 73 25

rgb\*Ma: 1.0 0.0 0.1

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 91$

relative Inform. Technology (IT)

olvi3\* 1.0 1.0 1.0 (1.0)

cmyn3\* 0.0 0.0 0.0 (0.0)

olvi4\* 1.0 1.0 1.0 (1.0)

cmyn4\* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB\*LAB 95.41 -0.97 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\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

relative Natural Colour (NC)

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

relative Natural Colour (NC)

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

relative Natural Colour (NC)

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

relative Natural Colour (NC)

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

relative Natural Colour (NC)

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

relative Natural Colour (NC)

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

## MRS18; adaptierte CIELAB-Daten

|                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------------------|-------------|---------|---------|--------------|--------------|
| RMa                | 49.63       | 66.96   | 38.37   | 77.18        | 30           |
| JMa                | 90.7        | -6.36   | 88.75   | 88.98        | 94           |
| GMa                | 52.11       | -69.73  | 9.44    | 70.37        | 172          |
| G50B <sub>Ma</sub> | 45.03       | -36.57  | -28.47  | 46.36        | 218          |
| B <sub>Ma</sub>    | 36.65       | 23.19   | -63.05  | 67.18        | 290          |
| B50R <sub>Ma</sub> | 34.94       | 57.17   | -44.26  | 72.31        | 322          |
| 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            |
| RCIE               | 39.92       | 58.66   | 26.98   | 64.56        | 25           |
| JCIE               | 81.26       | -2.17   | 67.76   | 67.79        | 92           |
| GCIE               | 52.23       | -42.26  | 11.75   | 43.87        | 164          |
| BCIE               | 30.57       | 1.15    | -46.84  | 46.87        | 271          |

%Regularität

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

relative Inform. Technology (IT)

olvi3\* 1.0 0.5 0.548 (1.0)

cmyn3\* 0.0 0.5 0.548 (1.0)

olvi4\* 1.0 0.5 0.548 (1.0)

cmyn4\* 0.0 0.5 0.548 (1.0)

standard and adapted CIELAB

LAB\*LAB 71.8 32.47 18.34

LAB\*LAB 71.8 32.47 18.34

LAB\*LAB 71.8 32.47 18.34

relative CIELAB lab\*

lab\*lab 0.695 0.548 0.209

lab\*lab 0.695 0.548 0.209

lab\*lab 0.695 0.548 0.209

relative Natural Colour (NC)

lab\*lab 0.695 0.548 0.209

lab\*lab 0.695 0.548 0.209

lab\*lab 0.695 0.548 0.209

relative Natural Colour (NC)

lab\*lab 0.695 0.548 0.209

lab\*lab 0.695 0.548 0.209

lab\*lab 0.695 0.548 0.209

relative Natural Colour (NC)

lab\*lab 0.695 0.548 0.209

lab\*lab 0.695 0.548 0.209

lab\*lab 0.695 0.548 0.209

relative Natural Colour (NC)

lab\*lab 0.695 0.548 0.209

lab\*lab 0.695 0.548 0.209

lab\*lab 0.695 0.548 0.209

relative Natural Colour (NC)

lab\*lab 0.695 0.548 0.209

lab\*lab 0.695 0.548 0.209

## Ausgabe: Farbmetrisches Reflexions-System MRS18

für Buntton  $h^* = lab^*h = 25/360 = 0.069$

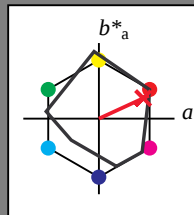
$lab^*tch$  und  $lab^*nch$

D65: Buntton R

LCH\*Ma: 48 73 25

rgb\*Ma: 1.0 0.0 0.1

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 91$

relative Inform. Technology (IT)

olvi3\* 1.0 1.0 1.0 (1.0)

cmyn3\* 0.0 0.0 0.0 (0.0)

olvi4\* 1.0 1.0 1.0 (1.0)

cmyn4\* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB\*LAB 95.41 -0.97 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\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

relative Natural Colour (NC)

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

relative Natural Colour (NC)

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

relative Natural Colour (NC)

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

relative Natural Colour (NC)

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

relative Natural Colour (NC)

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

relative Natural Colour (NC)

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

lab\*lab 1.0 0.0 0.0

## MRS18; adaptierte CIELAB-Daten

|                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------------------|-------------|---------|---------|--------------|--------------|
| RMa                | 49.63       | 66.96   | 38.37   | 77.18        | 30           |
| JMa                | 90.7        | -6.36   | 88.75   | 88.98        | 94           |
| GMa                | 52.11       | -69.73  | 9.44    | 70.37        | 172          |
| G50B <sub>Ma</sub> | 45.03       | -36.57  | -28.47  | 46.36        | 218          |
| B <sub>Ma</sub>    | 36.65       | 23.19   | -63.05  | 67.18        | 290          |
| B50R <sub>Ma</sub> | 34.94       | 57.17   | -44.26  | 72.31        | 322          |
| 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            |
| RCIE               | 39.92       | 58.66   | 26.98   | 64.56        | 25           |
| JCIE               | 81.26       | -2.17   | 67.76   | 67.79        | 92           |
| GCIE               | 52.23       | -42.26  | 11.75   | 43.87        | 164          |
| BCIE               | 30.57       | 1.15    | -46.84  | 46.87        | 271          |

%Regularität

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

relative Inform. Technology (IT)

olvi3\* 1.0 0.5 0.548 (1.0)

cmyn3\* 0.0 0.5 0.548 (1.0)

olvi4\* 1.0 0.5 0.548 (1.0)

cmyn4\* 0.0 0.5 0.548 (1.0)

standard and adapted CIELAB

LAB\*LAB 71.8 32.47 18.34

LAB\*LAB 71.8 32.47 18.34

LAB\*LAB 71.8 32.47 18.34

relative CIELAB lab\*

lab\*lab 0.695 0.548 0.209

lab\*lab 0.695 0.548 0.209

lab\*lab 0.695 0.548 0.209

relative Natural Colour (NC)

lab\*lab 0.695 0.548 0.209

lab\*lab 0.695 0.548 0.209

lab\*lab 0.695 0.548 0.209

relative Natural Colour (NC)

lab\*lab 0.695 0.548 0.209

lab\*lab 0.695 0.548 0.209

lab\*lab 0.695 0.548 0.209

relative Natural Colour (NC)

lab\*lab 0.695 0.548 0.209

lab\*lab 0.695 0.548 0.209

lab\*lab 0.695 0.548 0.209

relative Natural Colour (NC)

lab\*lab 0.695 0.548 0.209

lab\*lab 0.695 0.548 0.209

lab\*lab 0.695 0.548 0.209

relative Natural Colour (NC)

lab\*lab 0.695 0.548 0.209

lab\*lab 0.695 0.548 0.209

UG540-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

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

BAM-Prüfvorlage UG54; Farbmetrik-Systeme ORS18 & ORS18input:  $cmY0^* setcmykcolor$

D65: 2 Koordinaten-Daten von 25stufigen Farbreihen für 10 Bunttonen: Startup (S) data dependend



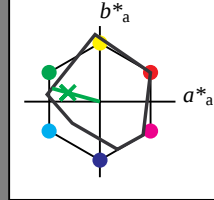
### Eingabe: Farbmetrisches Reflexions-System MRS18

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

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

D65: Buntton G  
LCH\*Ma: 56 66 164  
rgb\*Ma: 0.1 1.0 0.0

Dreiecks-Helligkeit  $t^*$



relative Inform. Technology (IT)  
olvi3\* 1.0 1.0 1.0 (1.0)  
cmyn3\* 0.0 0.0 0.0 (0.0)  
olvi4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
LAB\*LAB 95.41 -0.97 4.75  
LAB\*LAB 95.41 0.0 0.0  
LAB\*LAB 95.41 0.0 0.0

relative Inform. Technology (IT)  
olvi3\* 0.776 1.0 0.75 (1.0)  
cmyn3\* 0.224 0.0 0.25 (0.0)  
olvi4\* 0.776 1.0 0.75 (1.0)  
cmyn4\* 0.224 0.0 0.25 (0.0)  
LAB\*LAB 85.57 -16.58 8.49  
LAB\*LAB 85.57 -15.79 4.4  
LAB\*LAB 85.57 16.4 164.45

relative Inform. Technology (IT)  
olvi3\* 0.776 1.0 0.75 (1.0)  
cmyn3\* 0.224 0.0 0.25 (0.0)  
olvi4\* 0.776 1.0 0.75 (1.0)  
cmyn4\* 0.224 0.0 0.25 (0.0)  
LAB\*LAB 85.57 -16.58 8.49  
LAB\*LAB 85.57 -15.79 4.4  
LAB\*LAB 85.57 16.4 164.45

relative Inform. Technology (IT)  
olvi3\* 0.776 1.0 0.75 (1.0)  
cmyn3\* 0.224 0.0 0.25 (0.0)  
olvi4\* 0.776 1.0 0.75 (1.0)  
cmyn4\* 0.224 0.0 0.25 (0.0)  
LAB\*LAB 85.57 -16.58 8.49  
LAB\*LAB 85.57 -15.79 4.4  
LAB\*LAB 85.57 16.4 164.45

relative Inform. Technology (IT)  
olvi3\* 0.776 1.0 0.75 (1.0)  
cmyn3\* 0.224 0.0 0.25 (0.0)  
olvi4\* 0.776 1.0 0.75 (1.0)  
cmyn4\* 0.224 0.0 0.25 (0.0)  
LAB\*LAB 85.57 -16.58 8.49  
LAB\*LAB 85.57 -15.79 4.4  
LAB\*LAB 85.57 16.4 164.45

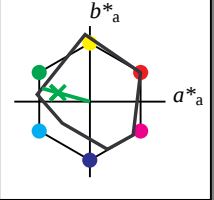
### Ausgabe: Farbmetrisches Reflexions-System MRS18

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

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

D65: Buntton G  
LCH\*Ma: 56 66 164  
rgb\*Ma: 0.1 1.0 0.0

Dreiecks-Helligkeit  $t^*$



relative Inform. Technology (IT)  
olvi3\* 1.0 1.0 1.0 (1.0)  
cmyn3\* 0.0 0.0 0.0 (0.0)  
olvi4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
LAB\*LAB 95.41 -0.97 4.75  
LAB\*LAB 95.41 0.0 0.0  
LAB\*LAB 95.41 0.0 0.0

relative Inform. Technology (IT)  
olvi3\* 0.776 1.0 0.75 (1.0)  
cmyn3\* 0.224 0.0 0.25 (0.0)  
olvi4\* 0.776 1.0 0.75 (1.0)  
cmyn4\* 0.224 0.0 0.25 (0.0)  
LAB\*LAB 85.57 -16.58 8.49  
LAB\*LAB 85.57 -15.79 4.4  
LAB\*LAB 85.57 16.4 164.45

relative Inform. Technology (IT)  
olvi3\* 0.776 1.0 0.75 (1.0)  
cmyn3\* 0.224 0.0 0.25 (0.0)  
olvi4\* 0.776 1.0 0.75 (1.0)  
cmyn4\* 0.224 0.0 0.25 (0.0)  
LAB\*LAB 85.57 -16.58 8.49  
LAB\*LAB 85.57 -15.79 4.4  
LAB\*LAB 85.57 16.4 164.45

relative Inform. Technology (IT)  
olvi3\* 0.776 1.0 0.75 (1.0)  
cmyn3\* 0.224 0.0 0.25 (0.0)  
olvi4\* 0.776 1.0 0.75 (1.0)  
cmyn4\* 0.224 0.0 0.25 (0.0)  
LAB\*LAB 85.57 -16.58 8.49  
LAB\*LAB 85.57 -15.79 4.4  
LAB\*LAB 85.57 16.4 164.45

relative Inform. Technology (IT)  
olvi3\* 0.776 1.0 0.75 (1.0)  
cmyn3\* 0.224 0.0 0.25 (0.0)  
olvi4\* 0.776 1.0 0.75 (1.0)  
cmyn4\* 0.224 0.0 0.25 (0.0)  
LAB\*LAB 85.57 -16.58 8.49  
LAB\*LAB 85.57 -15.79 4.4  
LAB\*LAB 85.57 16.4 164.45

UG540-7, 5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (links)

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

BAM-Prüfvorlage UG54; Farbmetrik-Systeme ORS18 & ORS18input: *cmyn0\* setcmynccolor*  
D65: 2 Koordinaten-Daten von 5stufigen Farbzeilen für 10 Bunttonen  
Output: Startup (S) data dependent

