

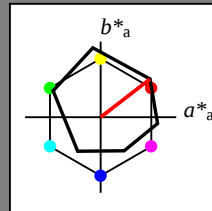
## Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

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

 $u^*_{rel} = 93$ 

%Regularität

 $g^*_{H,rel} = 57$  $g^*_{C,rel} = 59$ 

## 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          |

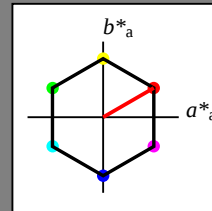
## Ausgabe: Farbmétrisches Standard-Reflektiv-System SRS18

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

D65: Buntton O

LCH\*Ma: 57 77 30

olv\*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit  $t^*$ 

%Umfang

 $u^*_{rel} = 100$ 

%Regularität

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

## SRS18; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 56.71       | 67.03   | 38.7    | 77.4         | 30           |
| Y <sub>Ma</sub>  | 56.71       | 0.0     | 77.4    | 77.4         | 90           |
| L <sub>Ma</sub>  | 56.71       | -67.02  | 38.7    | 77.4         | 150          |
| C <sub>Ma</sub>  | 56.71       | -67.02  | -38.69  | 77.4         | 210          |
| V <sub>Ma</sub>  | 56.71       | 0.0     | -77.39  | 77.4         | 270          |
| M <sub>Ma</sub>  | 56.71       | 67.03   | -38.69  | 77.4         | 330          |
| N <sub>Ma</sub>  | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub> | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub> | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub> | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub> | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

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 0.0 0.0  
 $LAB^*LABa$  95.41 0.0 0.0  
 $LAB^*TCHa$  99.99 0.01 -

relative CIELAB lab\*  
 $lab^*lab$  1.0 0.0 0.0  
 $lab^*tch$  1.0 0.0 -  
 $lab^*nch$  0.0 0.0 -

relative Natural Colour (NC)  
 $lab^*lrj$  1.0 0.0 0.0  
 $lab^*tce$  1.0 0.0 -  
 $lab^*nce$  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 0.5  
 $cmyn4^*$  0.0 0.0 0.0 0.5

standard and adapted CIELAB  
 $LAB^*LAB$  56.72 0.0 0.0  
 $LAB^*LABa$  56.72 0.0 0.0  
 $LAB^*TCHa$  50.0 0.01 -

relative CIELAB lab\*  
 $lab^*lab$  0.5 0.0 0.0  
 $lab^*tch$  0.5 0.0 -  
 $lab^*nch$  0.5 0.0 -

relative Natural Colour (NC)  
 $lab^*lrj$  0.5 0.0 0.0  
 $lab^*tce$  0.5 0.0 -  
 $lab^*nce$  0.5 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  
 $LAB^*LAB$  18.03 0.0 0.0  
 $LAB^*LABa$  18.03 0.0 0.0  
 $LAB^*TCHa$  0.01 0.01 -

relative CIELAB lab\*  
 $lab^*lab$  0.0 0.0 0.0  
 $lab^*tch$  0.0 0.0 -  
 $lab^*nch$  1.0 0.0 -

relative Natural Colour (NC)  
 $lab^*lrj$  0.0 0.0 0.0  
 $lab^*tce$  0.0 0.0 -  
 $lab^*nce$  1.0 0.0 -

relative Inform. Technology (IT)  
 $olvi3^*$  1.0 0.5 0.5 (1.0)  
 $cmyn3^*$  0.0 0.5 0.5 (0.0)  
 $olvi4^*$  1.0 0.5 0.5 1.0  
 $cmyn4^*$  0.0 0.5 0.5 0.0

standard and adapted CIELAB  
 $LAB^*LAB$  76.06 33.51 19.35  
 $LAB^*LABa$  76.06 33.51 19.35  
 $LAB^*TCHa$  75.0 38.69 30.0

relative CIELAB lab\*  
 $lab^*lab$  0.75 0.433 0.25  
 $lab^*tch$  0.75 0.5 0.083  
 $lab^*nch$  0.0 0.5 0.083

relative Natural Colour (NC)  
 $lab^*lrj$  0.75 0.497 0.053  
 $lab^*tce$  0.75 0.5 0.017  
 $lab^*nce$  0.0 0.5 0.06j

relative Inform. Technology (IT)  
 $olvi3^*$  0.5 0.0 0.0 (1.0)  
 $cmyn3^*$  0.5 1.0 1.0 (0.0)  
 $olvi4^*$  1.0 0.5 0.5 0.5  
 $cmyn4^*$  0.0 0.5 0.5 0.5

standard and adapted CIELAB  
 $LAB^*LAB$  37.36 33.51 19.35  
 $LAB^*LABa$  37.36 33.51 19.35  
 $LAB^*TCHa$  25.01 38.69 30.0

relative CIELAB lab\*  
 $lab^*lab$  0.25 0.433 0.25  
 $lab^*tch$  0.25 0.5 0.083  
 $lab^*nch$  0.5 0.5 0.083

relative Natural Colour (NC)  
 $lab^*lrj$  0.25 0.497 0.053  
 $lab^*tce$  0.25 0.5 0.017  
 $lab^*nce$  0.5 0.5 0.06j

relative Inform. Technology (IT)  
 $olvi3^*$  1.0 0.0 0.0 (1.0)  
 $cmyn3^*$  0.0 1.0 1.0 (0.0)  
 $olvi4^*$  1.0 0.0 0.0 1.0  
 $cmyn4^*$  0.0 1.0 1.0 0.0

standard and adapted CIELAB  
 $LAB^*LAB$  56.71 67.02 38.69  
 $LAB^*LABa$  56.71 67.02 38.69  
 $LAB^*TCHa$  50.0 77.38 30.0

relative CIELAB lab\*  
 $lab^*lab$  0.5 0.866 0.5  
 $lab^*tch$  0.5 1.0 0.083  
 $lab^*nch$  0.0 1.0 0.083

relative Natural Colour (NC)  
 $lab^*lrj$  0.5 0.994 0.106  
 $lab^*tce$  0.5 1.0 0.017  
 $lab^*nce$  0.0 1.0 0.06j

Siehe ähnliche Dateien: <http://www.ps.bam.de/NG02/>  
 Technische Information: <http://www.ps.bam.de> Version 2.1, io=1,1?

BAM-Registrierung: 20060101-NG02/10L/L02G00SP.PS/.PDF BAM-Material: Code=rha4ta  
 Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen  
 /NG02/ Form: 1/10, Serie: 1/1, Seite: 1  
 Seitenhang 1

NG020-7, 3 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

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

BAM-Prüfvorlage NG02; Farbmétrik-Systeme ORS18 &amp; ORS18input: olv\* setrgbcolor

D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: Startup (S) data dependend

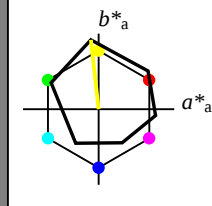
## Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

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

 $u^*_{rel} = 93$ 

%Regularität

 $g^*_{H,rel} = 57$  $g^*_{C,rel} = 59$ 

## 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          |

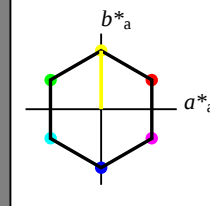
## Ausgabe: Farbmétrisches Standard-Reflektiv-System SRS18

für Buntton  $h^* = lab^*h = 90/360 = 0.25$  $lab^*tch$  und  $lab^*nch$ 

D65: Buntton Y

LCH\*Ma: 57 77 90

olv\*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit  $t^*$ 

%Umfang

 $u^*_{rel} = 100$ 

%Regularität

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

## SRS18; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 56.71       | 67.03   | 38.7    | 77.4         | 30           |
| Y <sub>Ma</sub>  | 56.71       | 0.0     | 77.4    | 77.4         | 90           |
| L <sub>Ma</sub>  | 56.71       | -67.02  | 38.7    | 77.4         | 150          |
| C <sub>Ma</sub>  | 56.71       | -67.02  | -38.69  | 77.4         | 210          |
| V <sub>Ma</sub>  | 56.71       | 0.0     | -77.39  | 77.4         | 270          |
| M <sub>Ma</sub>  | 56.71       | 67.03   | -38.69  | 77.4         | 330          |
| N <sub>Ma</sub>  | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub> | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub> | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub> | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub> | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

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 0.0 0.0  
 LAB\*LABa 95.41 0.0 0.0  
 LAB\*TCHa 99.99 0.01 -

## relative CIELAB lab\*

lab\*lab 1.0 0.0 0.0  
 lab\*tch 1.0 0.0 -  
 lab\*nch 0.0 0.0 -

## relative Natural Colour (NC)

lab\*lrj 1.0 0.0 0.0  
 lab\*tce 1.0 0.0 -  
 lab\*nce 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 0.5  
 $cmyn4^*$  0.0 0.0 0.0 0.5

## standard and adapted CIELAB

LAB\*LAB 56.72 0.0 0.0  
 LAB\*LABa 56.72 0.0 0.0  
 LAB\*TCHa 50.0 0.01 -

## relative CIELAB lab\*

lab\*lab 0.5 0.0 0.0  
 lab\*tch 0.5 0.0 -  
 lab\*nch 0.5 0.0 -

## relative Natural Colour (NC)

lab\*lrj 0.5 0.0 0.0  
 lab\*tce 0.5 0.0 -  
 lab\*nce 0.5 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 18.03 0.0 0.0  
 LAB\*LABa 18.03 0.0 0.0  
 LAB\*TCHa 0.01 0.01 -

## relative CIELAB lab\*

lab\*lab 0.0 0.0 0.0  
 lab\*tch 0.0 0.0 -  
 lab\*nch 1.0 0.0 -

## relative Natural Colour (NC)

lab\*lrj 0.0 0.0 0.0  
 lab\*tce 0.0 0.0 -  
 lab\*nce 1.0 0.0 -

## 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 76.06 0.0 38.69  
 LAB\*LABa 76.06 0.0 38.69  
 LAB\*TCHa 75.0 38.69 90.0

## relative CIELAB lab\*

lab\*lab 0.75 0.0 0.5  
 lab\*tch 0.75 0.5 0.25  
 lab\*nch 0.0 0.5 0.25

## relative Natural Colour (NC)

lab\*lrj 0.75 0.027 0.499  
 lab\*tce 0.75 0.5 0.241  
 lab\*nce 0.0 0.5 r96j

## relative Inform. Technology (IT)

$olvi3^*$  0.5 0.5 0.0 (1.0)  
 $cmyn3^*$  0.5 0.5 1.0 (0.0)  
 $olvi4^*$  1.0 1.0 0.5 0.5  
 $cmyn4^*$  0.0 0.0 0.5 0.5

## standard and adapted CIELAB

LAB\*LAB 37.36 0.0 38.69  
 LAB\*LABa 37.36 0.0 38.69  
 LAB\*TCHa 25.01 38.69 90.0

## relative CIELAB lab\*

lab\*lab 0.25 0.0 0.5  
 lab\*tch 0.25 0.5 0.25  
 lab\*nch 0.5 0.5 0.25

## relative Natural Colour (NC)

lab\*lrj 0.25 0.027 0.499  
 lab\*tce 0.25 0.5 0.241  
 lab\*nce 0.5 0.5 r96j

## relative Inform. Technology (IT)

$olvi3^*$  1.0 1.0 0.0 (1.0)  
 $cmyn3^*$  0.0 0.0 1.0 (0.0)  
 $olvi4^*$  1.0 1.0 0.0 1.0  
 $cmyn4^*$  0.0 0.0 1.0 0.0

## standard and adapted CIELAB

LAB\*LAB 56.71 0.0 77.38  
 LAB\*LABa 56.71 0.0 77.38  
 LAB\*TCHa 50.0 77.38 90.0

## relative CIELAB lab\*

lab\*lab 0.5 0.0 1.0  
 lab\*tch 0.5 1.0 0.25  
 lab\*nch 0.0 1.0 0.25

## relative Natural Colour (NC)

lab\*lrj 0.5 0.054 0.998  
 lab\*tce 0.5 1.0 0.241  
 lab\*nce 0.0 1.0 r96j

Siehe ähnliche Dateien: <http://www.ps.bam.de/NG02/>  
 Technische Information: <http://www.ps.bam.de> Version 2.1, io=1,1?

BAM-Registrierung: 20060101-NG02/10L/L02G01SP.PS/.PDF BAM-Material: Code=rha4ta  
 Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen  
 /NG02/ Form: 2/10, Serie: 1/1, Seite: 2  
 Seitenzahl 2

NG020-7, 3 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (links)

3 stufige Reihen für konstanten CIELAB Buntton 90/360 = 0.25 (rechts)

BAM-Prüfvorlage NG02; Farbmétrik-Systeme ORS18 &amp; ORS18input: olv\* setrgbcolor

D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: Startup (S) data dependend

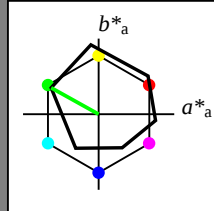
## Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

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  $t^*$ 

%Umfang

 $u^*_{rel} = 93$ 

%Regularität

 $g^*_{H,rel} = 57$  $g^*_{C,rel} = 59$ 

## ORS18; adaptierte CIELAB-Daten

|      | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|-------------|---------|---------|--------------|--------------|
| OMa  | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| YMa  | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| LMa  | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| CMa  | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| VMa  | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| MMa  | 48.13       | 75.28   | -8.36   | 75.74        | 354          |
| 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   | 64.57        | 25           |
| JCIE | 81.26       | -2.16   | 67.76   | 67.79        | 92           |
| GCIE | 52.23       | -42.25  | 11.76   | 43.87        | 164          |
| BCIE | 30.57       | 1.15    | -46.84  | 46.86        | 271          |

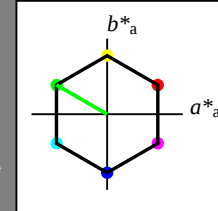
## Ausgabe: Farbmétrisches Standard-Reflektiv-System SRS18

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

D65: Buntton L

LCH\*Ma: 57 77 150

olv\*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit  $t^*$ 

%Umfang

 $u^*_{rel} = 100$ 

%Regularität

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

## SRS18; adaptierte CIELAB-Daten

|      | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|-------------|---------|---------|--------------|--------------|
| OMa  | 56.71       | 67.03   | 38.7    | 77.4         | 30           |
| YMa  | 56.71       | 0.0     | 77.4    | 77.4         | 90           |
| LMa  | 56.71       | -67.02  | 38.7    | 77.4         | 150          |
| CMa  | 56.71       | -67.02  | -38.69  | 77.4         | 210          |
| VMa  | 56.71       | 0.0     | -77.39  | 77.4         | 270          |
| MMa  | 56.71       | 67.03   | -38.69  | 77.4         | 330          |
| NMa  | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| WMa  | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| RCIE | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| JCIE | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| GCIE | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| BCIE | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

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 | 0.0  | 0.0 |
| LAB*LABa | 95.41 | 0.0  | 0.0 |
| LAB*TCa  | 99.99 | 0.01 | -   |

relative CIELAB lab\*

|         |     |     |     |
|---------|-----|-----|-----|
| lab*lab | 1.0 | 0.0 | 0.0 |
| lab*tch | 1.0 | 0.0 | -   |
| lab*nch | 0.0 | 0.0 | -   |

relative Natural Colour (NC)

|         |     |     |     |
|---------|-----|-----|-----|
| lab*lrj | 1.0 | 0.0 | 0.0 |
| lab*tce | 1.0 | 0.0 | -   |
| lab*nce | 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 | 0.5   |
| cmyn4* | 0.0 | 0.0 | 0.0 | 0.5   |

standard and adapted CIELAB

|          |       |      |     |
|----------|-------|------|-----|
| LAB*LAB  | 56.72 | 0.0  | 0.0 |
| LAB*LABa | 56.72 | 0.0  | 0.0 |
| LAB*TCa  | 50.0  | 0.01 | -   |

relative CIELAB lab\*

|         |     |     |     |
|---------|-----|-----|-----|
| lab*lab | 0.5 | 0.0 | 0.0 |
| lab*tch | 0.5 | 0.0 | -   |
| lab*nch | 0.5 | 0.0 | -   |

relative Natural Colour (NC)

|         |     |     |     |
|---------|-----|-----|-----|
| lab*lrj | 0.5 | 0.0 | 0.0 |
| lab*tce | 0.5 | 0.0 | -   |
| lab*nce | 0.5 | 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  | 18.03 | 0.0  | 0.0 |
| LAB*LABa | 18.03 | 0.0  | 0.0 |
| LAB*TCa  | 0.01  | 0.01 | -   |

relative CIELAB lab\*

|         |     |     |     |
|---------|-----|-----|-----|
| lab*lab | 0.0 | 0.0 | 0.0 |
| lab*tch | 0.0 | 0.0 | -   |
| lab*nch | 1.0 | 0.0 | -   |

relative Natural Colour (NC)

|         |     |     |     |
|---------|-----|-----|-----|
| lab*lrj | 0.0 | 0.0 | 0.0 |
| lab*tce | 0.0 | 0.0 | -   |
| lab*nce | 1.0 | 0.0 | -   |

relative Inform. Technology (IT)

|        |     |     |     |       |
|--------|-----|-----|-----|-------|
| olvi3* | 0.5 | 1.0 | 0.5 | (1.0) |
| cmyn3* | 0.5 | 0.0 | 0.5 | (0.0) |
| olvi4* | 0.5 | 1.0 | 0.5 | 1.0   |
| cmyn4* | 0.5 | 0.0 | 0.5 | 0.0   |

standard and adapted CIELAB

|          |       |       |       |
|----------|-------|-------|-------|
| LAB*LAB  | 76.06 | -33.5 | 19.35 |
| LAB*LABa | 76.06 | -33.5 | 19.35 |
| LAB*TCa  | 75.0  | 38.69 | 150.0 |

relative CIELAB lab\*

|         |      |        |       |
|---------|------|--------|-------|
| lab*lab | 0.75 | -0.432 | 0.25  |
| lab*tch | 0.75 | 0.5    | 0.417 |
| lab*nch | 0.0  | 0.5    | 0.417 |

relative Natural Colour (NC)

|         |      |       |       |
|---------|------|-------|-------|
| lab*lrj | 0.75 | -0.48 | 0.136 |
| lab*tce | 0.75 | 0.5   | 0.456 |
| lab*nce | 0.0  | 0.5   | 0.82g |

relative Inform. Technology (IT)

|        |     |     |     |       |
|--------|-----|-----|-----|-------|
| olvi3* | 0.0 | 0.5 | 0.0 | (1.0) |
| cmyn3* | 1.0 | 0.5 | 1.0 | (0.0) |
| olvi4* | 0.5 | 1.0 | 0.5 | 0.5   |
| cmyn4* | 0.5 | 0.0 | 0.5 | 0.5   |

standard and adapted CIELAB

|          |       |       |       |
|----------|-------|-------|-------|
| LAB*LAB  | 37.36 | -33.5 | 19.35 |
| LAB*LABa | 37.36 | -33.5 | 19.35 |
| LAB*TCa  | 25.01 | 38.69 | 150.0 |

relative CIELAB lab\*

|         |      |        |       |
|---------|------|--------|-------|
| lab*lab | 0.25 | -0.432 | 0.25  |
| lab*tch | 0.25 | 0.5    | 0.417 |
| lab*nch | 0.5  | 0.5    | 0.417 |

relative Natural Colour (NC)

|         |      |       |       |
|---------|------|-------|-------|
| lab*lrj | 0.25 | -0.48 | 0.136 |
| lab*tce | 0.25 | 0.5   | 0.456 |
| lab*nce | 0.5  | 0.5   | 0.82g |

relative Inform. Technology (IT)

|        |     |     |     |       |
|--------|-----|-----|-----|-------|
| olvi3* | 0.0 | 1.0 | 0.0 | (1.0) |
| cmyn3* | 1.0 | 0.0 | 1.0 | (0.0) |
| olvi4* | 0.0 | 1.0 | 0.0 | 1.0   |
| cmyn4* | 1.0 | 0.0 | 1.0 | 0.0   |

standard and adapted CIELAB

|          |       |        |       |
|----------|-------|--------|-------|
| LAB*LAB  | 56.71 | -67.01 | 38.69 |
| LAB*LABa | 56.71 | -67.01 | 38.69 |
| LAB*TCa  | 50.0  | 77.38  | 150.0 |

relative CIELAB lab\*

|         |     |        |       |
|---------|-----|--------|-------|
| lab*lab | 0.5 | -0.865 | 0.5   |
| lab*tch | 0.5 | 1.0    | 0.417 |
| lab*nch | 0.0 | 1.0    | 0.417 |

relative Natural Colour (NC)

|         |     |        |       |
|---------|-----|--------|-------|
| lab*lrj | 0.5 | -0.961 | 0.271 |
| lab*tce | 0.5 | 1.0    | 0.456 |
| lab*nce | 0.0 | 1.0    | 0.82g |

relative Buntheit  $c^*$

$n^* = 0.50$

$n^* = 0.00$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

$n^* = 0.50$

$n^* = 0.00$

Schwarzheit  $n^*$

NG020-7, 3 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (links)

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

BAM-Prüfvorlage NG02; Farbmétrik-Systeme ORS18 &amp; ORS18input: olv\* setrgbcolor

D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: Startup (S) data dependend

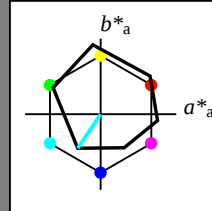
## Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

für Buntton  $h^* = lab^*h = 236/360 = 0.656$  $lab^*tch$  und  $lab^*nch$ 

D65: Buntton C

LCH\*Ma: 59 54 236

olv\*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit  $t^*$ 

%Umfang

 $u^*_{rel} = 93$ 

%Regularität

 $g^*_{H,rel} = 57$  $g^*_{C,rel} = 59$ 

## 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          |

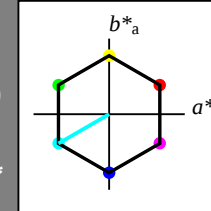
## Ausgabe: Farbmétrisches Standard-Reflektiv-System SRS18

für Buntton  $h^* = lab^*h = 210/360 = 0.583$  $lab^*tch$  und  $lab^*nch$ 

D65: Buntton C

LCH\*Ma: 57 77 210

olv\*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit  $t^*$ 

%Umfang

 $u^*_{rel} = 100$ 

%Regularität

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

## SRS18; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 56.71       | 67.03   | 38.7    | 77.4         | 30           |
| Y <sub>Ma</sub>  | 56.71       | 0.0     | 77.4    | 77.4         | 90           |
| L <sub>Ma</sub>  | 56.71       | -67.02  | 38.7    | 77.4         | 150          |
| C <sub>Ma</sub>  | 56.71       | -67.02  | -38.69  | 77.4         | 210          |
| V <sub>Ma</sub>  | 56.71       | 0.0     | -77.39  | 77.4         | 270          |
| M <sub>Ma</sub>  | 56.71       | 67.03   | -38.69  | 77.4         | 330          |
| N <sub>Ma</sub>  | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub> | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub> | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub> | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub> | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

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 | 0.0  | 0.0 |
| LAB*LABa | 95.41 | 0.0  | 0.0 |
| LAB*TCHa | 99.99 | 0.01 | -   |

relative CIELAB lab\*

|         |     |     |     |
|---------|-----|-----|-----|
| lab*lab | 1.0 | 0.0 | 0.0 |
| lab*tch | 1.0 | 0.0 | -   |
| lab*nch | 0.0 | 0.0 | -   |

relative Natural Colour (NC)

|         |     |     |     |
|---------|-----|-----|-----|
| lab*lrj | 1.0 | 0.0 | 0.0 |
| lab*tce | 1.0 | 0.0 | -   |
| lab*nce | 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 | 0.5   |
| cmyn4* | 0.0 | 0.0 | 0.0 | 0.5   |

standard and adapted CIELAB

|          |       |      |     |
|----------|-------|------|-----|
| LAB*LAB  | 56.72 | 0.0  | 0.0 |
| LAB*LABa | 56.72 | 0.0  | 0.0 |
| LAB*TCHa | 50.0  | 0.01 | -   |

relative CIELAB lab\*

|         |     |     |     |
|---------|-----|-----|-----|
| lab*lab | 0.5 | 0.0 | 0.0 |
| lab*tch | 0.5 | 0.0 | -   |
| lab*nch | 0.5 | 0.0 | -   |

relative Natural Colour (NC)

|         |     |     |     |
|---------|-----|-----|-----|
| lab*lrj | 0.5 | 0.0 | 0.0 |
| lab*tce | 0.5 | 0.0 | -   |
| lab*nce | 0.5 | 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  | 18.03 | 0.0  | 0.0 |
| LAB*LABa | 18.03 | 0.0  | 0.0 |
| LAB*TCHa | 0.01  | 0.01 | -   |

relative CIELAB lab\*

|         |     |     |     |
|---------|-----|-----|-----|
| lab*lab | 0.0 | 0.0 | 0.0 |
| lab*tch | 0.0 | 0.0 | -   |
| lab*nch | 1.0 | 0.0 | -   |

relative Natural Colour (NC)

|         |     |     |     |
|---------|-----|-----|-----|
| lab*lrj | 0.0 | 0.0 | 0.0 |
| lab*tce | 0.0 | 0.0 | -   |
| lab*nce | 1.0 | 0.0 | -   |

relative Inform. Technology (IT)

|        |     |     |     |       |
|--------|-----|-----|-----|-------|
| olvi3* | 0.5 | 1.0 | 1.0 | (1.0) |
| cmyn3* | 0.5 | 0.0 | 0.0 | (0.0) |
| olvi4* | 0.5 | 1.0 | 1.0 | 1.0   |
| cmyn4* | 0.5 | 0.0 | 0.0 | 0.0   |

standard and adapted CIELAB

|          |       |       |        |
|----------|-------|-------|--------|
| LAB*LAB  | 76.06 | -33.5 | -19.34 |
| LAB*LABa | 76.06 | -33.5 | -19.34 |
| LAB*TCHa | 75.0  | 38.69 | 210.0  |

relative CIELAB lab\*

|         |      |        |        |
|---------|------|--------|--------|
| lab*lab | 0.75 | -0.432 | -0.249 |
| lab*tch | 0.75 | 0.5    | 0.583  |
| lab*nch | 0.0  | 0.5    | 0.583  |

relative Natural Colour (NC)

|         |      |        |        |
|---------|------|--------|--------|
| lab*lrj | 0.75 | -0.386 | -0.315 |
| lab*tce | 0.75 | 0.5    | 0.609  |
| lab*nce | 0.0  | 0.5    | g43b   |

relative Inform. Technology (IT)

|        |     |     |     |       |
|--------|-----|-----|-----|-------|
| olvi3* | 0.0 | 0.5 | 0.5 | (1.0) |
| cmyn3* | 1.0 | 0.5 | 0.5 | (0.0) |
| olvi4* | 0.5 | 1.0 | 1.0 | 0.5   |
| cmyn4* | 0.5 | 0.0 | 0.0 | 0.5   |

standard and adapted CIELAB

|          |       |       |        |
|----------|-------|-------|--------|
| LAB*LAB  | 37.36 | -33.5 | -19.34 |
| LAB*LABa | 37.36 | -33.5 | -19.34 |
| LAB*TCHa | 25.01 | 38.69 | 210.0  |

relative CIELAB lab\*

|         |      |        |        |
|---------|------|--------|--------|
| lab*lab | 0.25 | -0.432 | -0.249 |
| lab*tch | 0.25 | 0.5    | 0.583  |
| lab*nch | 0.5  | 0.5    | 0.583  |

relative Natural Colour (NC)

|         |      |        |        |
|---------|------|--------|--------|
| lab*lrj | 0.25 | -0.386 | -0.315 |
| lab*tce | 0.25 | 0.5    | 0.609  |
| lab*nce | 0.5  | 0.5    | g43b   |

relative Inform. Technology (IT)

|        |     |     |     |       |
|--------|-----|-----|-----|-------|
| olvi3* | 0.0 | 1.0 | 1.0 | (1.0) |
| cmyn3* | 1.0 | 0.0 | 0.0 | (0.0) |
| olvi4* | 0.0 | 1.0 | 1.0 | 1.0   |
| cmyn4* | 1.0 | 0.0 | 0.0 | 0.0   |

standard and adapted CIELAB

|          |       |        |        |
|----------|-------|--------|--------|
| LAB*LAB  | 56.71 | -67.01 | -38.68 |
| LAB*LABa | 56.71 | -67.01 | -38.68 |
| LAB*TCHa | 50.0  | 77.38  | 210.0  |

relative CIELAB lab\*

|         |     |        |        |
|---------|-----|--------|--------|
| lab*lab | 0.5 | -0.865 | -0.499 |
| lab*tch | 0.5 | 1.0    | 0.583  |
| lab*nch | 0.0 | 1.0    | 0.583  |

relative Natural Colour (NC)

|         |     |        |        |
|---------|-----|--------|--------|
| lab*lrj | 0.5 | -0.773 | -0.632 |
| lab*tce | 0.5 | 1.0    | 0.609  |
| lab*nce | 0.0 | 1.0    | g43b   |

Siehe ähnliche Dateien: <http://www.ps.bam.de/NG02/>  
Technische Information: <http://www.ps.bam.de> Version 2.1, io=1,1?

BAM-Registrierung: 20060101-NG02/10L/L02G03SP.PS/.PDF BAM-Material: Code=rha4ta  
Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen  
/NG02/ Form: 4/10, Serie: 1/1, Seite: 4  
Satzanz hlung 4

NG020-7, 3 stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (links)

3 stufige Reihen für konstanten CIELAB Buntton 210/360 = 0.583 (rechts)

BAM-Prüfvorlage NG02; Farbmétrik-Systeme ORS18 &amp; ORS18input: olv\* setrgbcolor

D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: Startup (S) data dependend

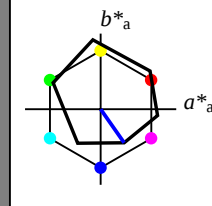
## Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

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

D65: Buntton V

LCH\*Ma: 26 54 305

olv\*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit  $t^*$ 

%Umfang

 $u^*_{rel} = 93$ 

%Regularität

 $g^*_{H,rel} = 57$  $g^*_{C,rel} = 59$ 

## 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          |

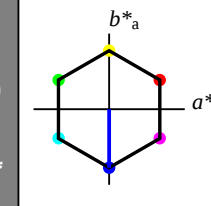
## Ausgabe: Farbmétrisches Standard-Reflektiv-System SRS18

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

D65: Buntton V

LCH\*Ma: 57 77 270

olv\*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit  $t^*$ 

%Umfang

 $u^*_{rel} = 100$ 

%Regularität

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

## SRS18; adaptierte CIELAB-Daten

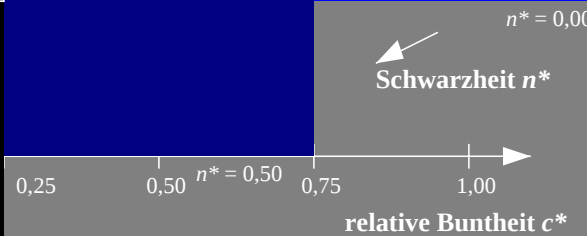
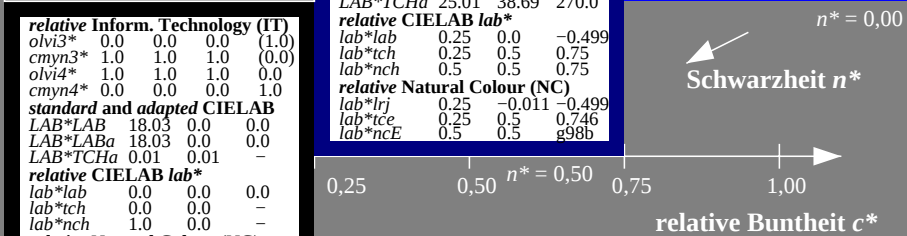
|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 56.71       | 67.03   | 38.7    | 77.4         | 30           |
| Y <sub>Ma</sub>  | 56.71       | 0.0     | 77.4    | 77.4         | 90           |
| L <sub>Ma</sub>  | 56.71       | -67.02  | 38.7    | 77.4         | 150          |
| C <sub>Ma</sub>  | 56.71       | -67.02  | -38.69  | 77.4         | 210          |
| V <sub>Ma</sub>  | 56.71       | 0.0     | -77.39  | 77.4         | 270          |
| M <sub>Ma</sub>  | 56.71       | 67.03   | -38.69  | 77.4         | 330          |
| N <sub>Ma</sub>  | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub> | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub> | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub> | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub> | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

| 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 | 0.0  | 0.0 |       |
| LAB*LABa                         | 95.41 | 0.0  | 0.0 |       |
| LAB*TCa                          | 99.99 | 0.01 | -   |       |
| relative CIELAB lab*             |       |      |     |       |
| lab*lab                          | 1.0   | 0.0  | 0.0 |       |
| lab*tch                          | 1.0   | 0.0  | -   |       |
| lab*nch                          | 0.0   | 0.0  | -   |       |
| relative Natural Colour (NC)     |       |      |     |       |
| lab*lrj                          | 1.0   | 0.0  | 0.0 |       |
| lab*tce                          | 1.0   | 0.0  | -   |       |
| lab*nce                          | 0.0   | 0.0  | -   |       |

| relative Inform. Technology (IT) |       |        |        |       |
|----------------------------------|-------|--------|--------|-------|
| olvi3*                           | 0.5   | 0.5    | 1.0    | (1.0) |
| cmyn3*                           | 0.5   | 0.5    | 0.0    | (0.0) |
| olvi4*                           | 0.5   | 0.5    | 1.0    | 1.0   |
| cmyn4*                           | 0.5   | 0.5    | 0.0    | 0.0   |
| standard and adapted CIELAB      |       |        |        |       |
| LAB*LAB                          | 76.06 | 0.0    | -38.68 |       |
| LAB*LABa                         | 76.06 | 0.0    | -38.68 |       |
| LAB*TCa                          | 75.0  | 38.69  | 270.0  |       |
| relative CIELAB lab*             |       |        |        |       |
| lab*lab                          | 0.75  | 0.0    | -0.499 |       |
| lab*tch                          | 0.75  | 0.5    | 0.75   |       |
| lab*nch                          | 0.0   | 0.5    | 0.75   |       |
| relative Natural Colour (NC)     |       |        |        |       |
| lab*lrj                          | 0.75  | -0.011 | -0.499 |       |
| lab*tce                          | 0.75  | 0.5    | 0.746  |       |
| lab*nce                          | 0.0   | 0.5    | g98b   |       |

| relative Inform. Technology (IT) |       |        |        |       |
|----------------------------------|-------|--------|--------|-------|
| olvi3*                           | 0.0   | 0.0    | 0.5    | (1.0) |
| cmyn3*                           | 1.0   | 1.0    | 0.5    | (0.0) |
| olvi4*                           | 0.5   | 0.5    | 1.0    | 0.5   |
| cmyn4*                           | 0.5   | 0.5    | 0.0    | 0.5   |
| standard and adapted CIELAB      |       |        |        |       |
| LAB*LAB                          | 37.36 | 0.0    | -38.68 |       |
| LAB*LABa                         | 37.36 | 0.0    | -38.68 |       |
| LAB*TCa                          | 25.01 | 38.69  | 270.0  |       |
| relative CIELAB lab*             |       |        |        |       |
| lab*lab                          | 0.25  | 0.0    | -0.499 |       |
| lab*tch                          | 0.25  | 0.5    | 0.75   |       |
| lab*nch                          | 0.5   | 0.5    | 0.75   |       |
| relative Natural Colour (NC)     |       |        |        |       |
| lab*lrj                          | 0.25  | -0.011 | -0.499 |       |
| lab*tce                          | 0.25  | 0.5    | 0.746  |       |
| lab*nce                          | 0.5   | 0.5    | g98b   |       |

| relative Inform. Technology (IT) |       |        |        |       |
|----------------------------------|-------|--------|--------|-------|
| olvi3*                           | 0.0   | 0.0    | 1.0    | (1.0) |
| cmyn3*                           | 1.0   | 1.0    | 0.0    | (0.0) |
| olvi4*                           | 0.0   | 0.0    | 1.0    | 1.0   |
| cmyn4*                           | 1.0   | 1.0    | 0.0    | 0.0   |
| standard and adapted CIELAB      |       |        |        |       |
| LAB*LAB                          | 56.71 | 0.0    | -77.37 |       |
| LAB*LABa                         | 56.71 | 0.0    | -77.37 |       |
| LAB*TCa                          | 50.0  | 77.38  | 270.0  |       |
| relative CIELAB lab*             |       |        |        |       |
| lab*lab                          | 0.5   | 0.0    | -0.999 |       |
| lab*tch                          | 0.5   | 1.0    | 0.75   |       |
| lab*nch                          | 0.0   | 1.0    | 0.75   |       |
| relative Natural Colour (NC)     |       |        |        |       |
| lab*lrj                          | 0.5   | -0.024 | -0.998 |       |
| lab*tce                          | 0.5   | 1.0    | 0.746  |       |
| lab*nce                          | 0.0   | 1.0    | g98b   |       |

Schwarzheit  $n^*$ relative Buntheit  $c^*$ Schwarzheit  $n^*$ relative Buntheit  $c^*$ 

NG020-7, 3 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (links)

3 stufige Reihen für konstanten CIELAB Buntton 270/360 = 0.75 (rechts)

BAM-Prüfvorlage NG02; Farbmétrik-Systeme ORS18 &amp; ORS18input: olv\* setrgbcolor

D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: Startup (S) data dependend

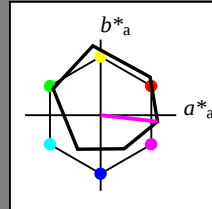
## Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

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

D65: Buntton M

LCH\*Ma: 48 76 354

olv\*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit  $t^*$ 

%Umfang

 $u^*_{rel} = 93$ 

%Regularität

 $g^*_{H,rel} = 57$  $g^*_{C,rel} = 59$ 

## ORS18; adaptierte CIELAB-Daten

| $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|-------------|---------|---------|--------------|--------------|
| OMa 47.94   | 65.39   | 50.52   | 82.63        | 38           |
| YMa 90.37   | -10.26  | 91.75   | 92.32        | 96           |
| LMa 50.9    | -62.83  | 34.96   | 71.91        | 151          |
| CMa 58.62   | -30.34  | -45.01  | 54.3         | 236          |
| VMa 25.72   | 31.1    | -44.4   | 54.22        | 305          |
| MMa 48.13   | 75.28   | -8.36   | 75.74        | 354          |
| 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   | 64.57        | 25           |
| JCIE 81.26  | -2.16   | 67.76   | 67.79        | 92           |
| GCIE 52.23  | -42.25  | 11.76   | 43.87        | 164          |
| BCIE 30.57  | 1.15    | -46.84  | 46.86        | 271          |

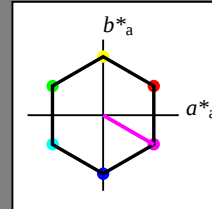
## Ausgabe: Farbmétrisches Standard-Reflektiv-System SRS18

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

D65: Buntton M

LCH\*Ma: 57 77 330

olv\*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit  $t^*$ 

%Umfang

 $u^*_{rel} = 100$ 

%Regularität

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

## SRS18; adaptierte CIELAB-Daten

| $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|-------------|---------|---------|--------------|--------------|
| OMa 56.71   | 67.03   | 38.7    | 77.4         | 30           |
| YMa 56.71   | 0.0     | 77.4    | 77.4         | 90           |
| LMa 56.71   | -67.02  | 38.7    | 77.4         | 150          |
| CMa 56.71   | -67.02  | -38.69  | 77.4         | 210          |
| VMa 56.71   | 0.0     | -77.39  | 77.4         | 270          |
| MMa 56.71   | 67.03   | -38.69  | 77.4         | 330          |
| NMa 18.01   | 0.0     | 0.0     | 0.0          | 0            |
| WMa 95.41   | 0.0     | 0.0     | 0.0          | 0            |
| RCIE 39.92  | 58.74   | 27.99   | 65.07        | 25           |
| JCIE 81.26  | -2.88   | 71.56   | 71.62        | 92           |
| GCIE 52.23  | -42.41  | 13.6    | 44.55        | 162          |
| BCIE 30.57  | 1.41    | -46.46  | 46.49        | 272          |

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 | 0.0  | 0.0 |
| LAB*LABa | 95.41 | 0.0  | 0.0 |
| LAB*TCa  | 99.99 | 0.01 | -   |

relative CIELAB lab\*

|         |     |     |     |
|---------|-----|-----|-----|
| lab*lab | 1.0 | 0.0 | 0.0 |
| lab*tch | 1.0 | 0.0 | -   |
| lab*nch | 0.0 | 0.0 | -   |

relative Natural Colour (NC)

|         |     |     |     |
|---------|-----|-----|-----|
| lab*lrj | 1.0 | 0.0 | 0.0 |
| lab*tce | 1.0 | 0.0 | -   |
| lab*nce | 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 | 0.5   |
| cmyn4* | 0.0 | 0.0 | 0.0 | 0.5   |

standard and adapted CIELAB

|          |       |      |     |
|----------|-------|------|-----|
| LAB*LAB  | 56.72 | 0.0  | 0.0 |
| LAB*LABa | 56.72 | 0.0  | 0.0 |
| LAB*TCa  | 50.0  | 0.01 | -   |

relative CIELAB lab\*

|         |     |     |     |
|---------|-----|-----|-----|
| lab*lab | 0.5 | 0.0 | 0.0 |
| lab*tch | 0.5 | 0.0 | -   |
| lab*nch | 0.5 | 0.0 | -   |

relative Natural Colour (NC)

|         |     |     |     |
|---------|-----|-----|-----|
| lab*lrj | 0.5 | 0.0 | 0.0 |
| lab*tce | 0.5 | 0.0 | -   |
| lab*nce | 0.5 | 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  | 18.03 | 0.0  | 0.0 |
| LAB*LABa | 18.03 | 0.0  | 0.0 |
| LAB*TCa  | 0.01  | 0.01 | -   |

relative CIELAB lab\*

|         |     |     |     |
|---------|-----|-----|-----|
| lab*lab | 0.0 | 0.0 | 0.0 |
| lab*tch | 0.0 | 0.0 | -   |
| lab*nch | 1.0 | 0.0 | -   |

relative Natural Colour (NC)

|         |     |     |     |
|---------|-----|-----|-----|
| lab*lrj | 0.0 | 0.0 | 0.0 |
| lab*tce | 0.0 | 0.0 | -   |
| lab*nce | 1.0 | 0.0 | -   |

relative Inform. Technology (IT)

|        |     |     |     |       |
|--------|-----|-----|-----|-------|
| olvi3* | 1.0 | 0.5 | 1.0 | (1.0) |
| cmyn3* | 0.0 | 0.5 | 0.0 | (0.0) |
| olvi4* | 1.0 | 0.5 | 1.0 | 1.0   |
| cmyn4* | 0.0 | 0.5 | 0.0 | 0.0   |

standard and adapted CIELAB

|          |       |       |        |
|----------|-------|-------|--------|
| LAB*LAB  | 76.06 | 33.51 | -19.34 |
| LAB*LABa | 76.06 | 33.51 | -19.34 |
| LAB*TCa  | 75.0  | 38.69 | 330.0  |

relative CIELAB lab\*

|         |      |       |        |
|---------|------|-------|--------|
| lab*lab | 0.75 | 0.433 | -0.249 |
| lab*tch | 0.75 | 0.5   | 0.917  |
| lab*nch | 0.0  | 0.5   | 0.917  |

relative Natural Colour (NC)

|         |      |      |        |
|---------|------|------|--------|
| lab*lrj | 0.75 | 0.36 | -0.346 |
| lab*tce | 0.75 | 0.5  | 0.878  |
| lab*nce | 0.0  | 0.5  | 0.51r  |

relative Inform. Technology (IT)

|        |     |     |     |       |
|--------|-----|-----|-----|-------|
| olvi3* | 0.5 | 0.0 | 0.5 | (1.0) |
| cmyn3* | 0.5 | 1.0 | 0.5 | (0.0) |
| olvi4* | 1.0 | 0.5 | 1.0 | 0.5   |
| cmyn4* | 0.0 | 0.5 | 0.0 | 0.5   |

standard and adapted CIELAB

|          |       |       |        |
|----------|-------|-------|--------|
| LAB*LAB  | 37.36 | 33.51 | -19.34 |
| LAB*LABa | 37.36 | 33.51 | -19.34 |
| LAB*TCa  | 25.01 | 38.69 | 330.0  |

relative CIELAB lab\*

|         |      |       |        |
|---------|------|-------|--------|
| lab*lab | 0.25 | 0.433 | -0.249 |
| lab*tch | 0.25 | 0.5   | 0.917  |
| lab*nch | 0.5  | 0.5   | 0.917  |

relative Natural Colour (NC)

|         |      |      |        |
|---------|------|------|--------|
| lab*lrj | 0.25 | 0.36 | -0.346 |
| lab*tce | 0.25 | 0.5  | 0.878  |
| lab*nce | 0.5  | 0.5  | 0.51r  |

relative Inform. Technology (IT)

|        |     |     |     |       |
|--------|-----|-----|-----|-------|
| olvi3* | 1.0 | 0.0 | 1.0 | (1.0) |
| cmyn3* | 0.0 | 1.0 | 0.0 | (0.0) |
| olvi4* | 1.0 | 0.0 | 1.0 | 1.0   |
| cmyn4* | 0.0 | 1.0 | 0.0 | 0.0   |

standard and adapted CIELAB

|          |       |       |        |
|----------|-------|-------|--------|
| LAB*LAB  | 56.71 | 67.02 | -38.68 |
| LAB*LABa | 56.71 | 67.02 | -38.68 |
| LAB*TCa  | 50.0  | 77.38 | 330.0  |

relative CIELAB lab\*

|         |     |       |        |
|---------|-----|-------|--------|
| lab*lab | 0.5 | 0.866 | -0.499 |
| lab*tch | 0.5 | 1.0   | 0.917  |
| lab*nch | 0.0 | 1.0   | 0.917  |

relative Natural Colour (NC)

|         |     |      |        |
|---------|-----|------|--------|
| lab*lrj | 0.5 | 0.72 | -0.692 |
| lab*tce | 0.5 | 1.0  | 0.878  |
| lab*nce | 0.0 | 1.0  | 0.51r  |

Siehe ähnliche Dateien: <http://www.ps.bam.de/NG02/>  
Technische Information: <http://www.ps.bam.de/Version 2.1, io=1,1?>

BAM-Registrierung: 20060101-NG02/10L/L02G05SP.PS/.PDF BAM-Material: Code=rha4ta  
Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen  
/NG02/ Form: 6/10, Serie: 1/1, Seite: 6  
Satzanzahlung 6

NG020-7, 3 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (links)

3 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.917 (rechts)

BAM-Prüfvorlage NG02; Farbmétrik-Systeme ORS18 &amp; ORS18input: olv\* setrgbcolor

D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: Startup (S) data dependend

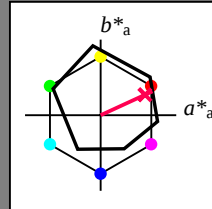
## Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

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  $t^*$ 

%Umfang

 $u^*_{rel} = 93$ 

%Regularität

 $g^*_{H,rel} = 57$  $g^*_{C,rel} = 59$ 

## 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          |

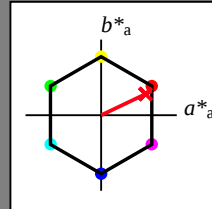
## Ausgabe: Farbmétrisches Standard-Reflektiv-System SRS18

für Buntton  $h^* = lab^*h = 25/360 = 0.071$  $lab^*tch$  und  $lab^*nch$ 

D65: Buntton R

LCH\*Ma: 57 74 25

olv\*Ma: 1.0 0.0 0.09

Dreiecks-Helligkeit  $t^*$ 

%Umfang

 $u^*_{rel} = 100$ 

%Regularität

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

## SRS18; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 56.71       | 67.03   | 38.7    | 77.4         | 30           |
| Y <sub>Ma</sub>  | 56.71       | 0.0     | 77.4    | 77.4         | 90           |
| L <sub>Ma</sub>  | 56.71       | -67.02  | 38.7    | 77.4         | 150          |
| C <sub>Ma</sub>  | 56.71       | -67.02  | -38.69  | 77.4         | 210          |
| V <sub>Ma</sub>  | 56.71       | 0.0     | -77.39  | 77.4         | 270          |
| M <sub>Ma</sub>  | 56.71       | 67.03   | -38.69  | 77.4         | 330          |
| N <sub>Ma</sub>  | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub> | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub> | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub> | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub> | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

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 | 0.0  | 0.0 |
| LAB*LABa | 95.41 | 0.0  | 0.0 |
| LAB*TCa  | 99.99 | 0.01 | -   |

relative CIELAB lab\*

|         |     |     |     |
|---------|-----|-----|-----|
| lab*lab | 1.0 | 0.0 | 0.0 |
| lab*tch | 1.0 | 0.0 | -   |
| lab*nch | 0.0 | 0.0 | -   |

relative Natural Colour (NC)

|         |     |     |     |
|---------|-----|-----|-----|
| lab*lrj | 1.0 | 0.0 | 0.0 |
| lab*tce | 1.0 | 0.0 | -   |
| lab*nce | 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 | 0.5   |
| cmyn4* | 0.0 | 0.0 | 0.0 | 0.5   |

standard and adapted CIELAB

|          |       |      |     |
|----------|-------|------|-----|
| LAB*LAB  | 56.72 | 0.0  | 0.0 |
| LAB*LABa | 56.72 | 0.0  | 0.0 |
| LAB*TCa  | 50.0  | 0.01 | -   |

relative CIELAB lab\*

|         |     |     |     |
|---------|-----|-----|-----|
| lab*lab | 0.5 | 0.0 | 0.0 |
| lab*tch | 0.5 | 0.0 | -   |
| lab*nch | 0.5 | 0.0 | -   |

relative Natural Colour (NC)

|         |     |     |     |
|---------|-----|-----|-----|
| lab*lrj | 0.5 | 0.0 | 0.0 |
| lab*tce | 0.5 | 0.0 | -   |
| lab*nce | 0.5 | 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  | 18.03 | 0.0  | 0.0 |
| LAB*LABa | 18.03 | 0.0  | 0.0 |
| LAB*TCa  | 0.01  | 0.01 | -   |

relative CIELAB lab\*

|         |     |     |     |
|---------|-----|-----|-----|
| lab*lab | 0.0 | 0.0 | 0.0 |
| lab*tch | 0.0 | 0.0 | -   |
| lab*nch | 1.0 | 0.0 | -   |

relative Natural Colour (NC)

|         |     |     |     |
|---------|-----|-----|-----|
| lab*lrj | 0.0 | 0.0 | 0.0 |
| lab*tce | 0.0 | 0.0 | -   |
| lab*nce | 1.0 | 0.0 | -   |

relative Inform. Technology (IT)

|        |     |     |       |       |
|--------|-----|-----|-------|-------|
| olvi3* | 1.0 | 0.5 | 0.544 | (1.0) |
| cmyn3* | 0.0 | 0.5 | 0.456 | (0.0) |
| olvi4* | 1.0 | 0.5 | 0.544 | 1.0   |
| cmyn4* | 0.0 | 0.5 | 0.456 | 0.0   |

standard and adapted CIELAB

|          |       |       |       |
|----------|-------|-------|-------|
| LAB*LAB  | 76.06 | 33.51 | 15.97 |
| LAB*LABa | 76.06 | 33.51 | 15.97 |
| LAB*TCa  | 75.0  | 37.12 | 25.48 |

relative CIELAB lab\*

|         |      |       |       |
|---------|------|-------|-------|
| lab*lab | 0.75 | 0.451 | 0.215 |
| lab*tch | 0.75 | 0.5   | 0.071 |
| lab*nch | 0.0  | 0.5   | 0.071 |

relative Natural Colour (NC)

|         |      |     |       |
|---------|------|-----|-------|
| lab*lrj | 0.75 | 0.5 | 0.0   |
| lab*tce | 0.75 | 0.5 | 1.0   |
| lab*nce | 0.0  | 0.5 | 0.99r |

relative Inform. Technology (IT)

|        |     |     |       |       |
|--------|-----|-----|-------|-------|
| olvi3* | 0.5 | 0.0 | 0.044 | (1.0) |
| cmyn3* | 0.5 | 1.0 | 0.956 | (0.0) |
| olvi4* | 1.0 | 0.5 | 0.544 | 0.5   |
| cmyn4* | 0.0 | 0.5 | 0.456 | 0.5   |

standard and adapted CIELAB

|          |       |       |       |
|----------|-------|-------|-------|
| LAB*LAB  | 37.36 | 33.51 | 15.97 |
| LAB*LABa | 37.36 | 33.51 | 15.97 |
| LAB*TCa  | 25.01 | 37.12 | 25.48 |

relative CIELAB lab\*

|         |      |       |       |
|---------|------|-------|-------|
| lab*lab | 0.25 | 0.451 | 0.215 |
| lab*tch | 0.25 | 0.5   | 0.071 |
| lab*nch | 0.5  | 0.5   | 0.071 |

relative Natural Colour (NC)

|         |      |     |       |
|---------|------|-----|-------|
| lab*lrj | 0.25 | 0.5 | 0.0   |
| lab*tce | 0.25 | 0.5 | 0.0   |
| lab*nce | 0.5  | 0.5 | 0.00j |

relative Inform. Technology (IT)

|        |     |     |       |       |
|--------|-----|-----|-------|-------|
| olvi3* | 1.0 | 0.0 | 0.087 | (1.0) |
| cmyn3* | 0.0 | 1.0 | 0.913 | (0.0) |
| olvi4* | 1.0 | 0.0 | 0.087 | 1.0   |
| cmyn4* | 0.0 | 1.0 | 0.913 | 0.0   |

standard and adapted CIELAB

|          |       |       |       |
|----------|-------|-------|-------|
| LAB*LAB  | 56.71 | 67.02 | 31.94 |
| LAB*LABa | 56.71 | 67.02 | 31.94 |
| LAB*TCa  | 50.0  | 74.24 | 25.48 |

relative CIELAB lab\*

|         |     |       |       |
|---------|-----|-------|-------|
| lab*lab | 0.5 | 0.903 | 0.43  |
| lab*tch | 0.5 | 1.0   | 0.071 |
| lab*nch | 0.0 | 1.0   | 0.071 |

relative Natural Colour (NC)

|         |     |     |       |
|---------|-----|-----|-------|
| lab*lrj | 0.5 | 1.0 | 0.0   |
| lab*tce | 0.5 | 1.0 | 0.0   |
| lab*nce | 0.0 | 1.0 | 0.00j |

Siehe ähnliche Dateien: <http://www.ps.bam.de/NG02/>  
Technische Information: <http://www.ps.bam.de> Version 2.1, io=1,1?

BAM-Registrierung: 20060101-NG02/10L/L02G06SP.PS/.PDF BAM-Material: Code=rha4ta  
Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen  
/NG02/ Form: 7/10, Serie: 1/1, Seite: 7  
Satzanzahlung 7

NG020-7, 3 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

3 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

BAM-Prüfvorlage NG02; Farbmétrik-Systeme ORS18 &amp; ORS18input: olv\* setrgbcolor

D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: Startup (S) data dependend

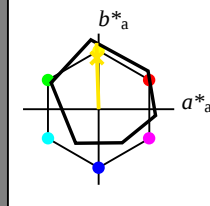
## Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

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

D65: Buntton J

LCH\*Ma: 86 88 92

olv\*Ma: 1.0 0.9 0.0

Dreiecks-Helligkeit  $t^*$ 

%Umfang

 $u^*_{rel} = 93$ 

%Regularität

 $g^*_{H,rel} = 57$  $g^*_{C,rel} = 59$ 

## 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          |

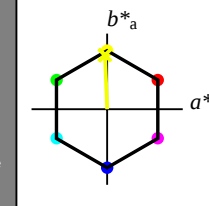
## Ausgabe: Farbmétrisches Standard-Reflektiv-System SRS18

für Buntton  $h^* = lab^*h = 92/360 = 0.256$  $lab^*ch$  und  $lab^*nch$ 

D65: Buntton J

LCH\*Ma: 57 76 92

olv\*Ma: 0.95 1.0 0.0

Dreiecks-Helligkeit  $t^*$ 

%Umfang

 $u^*_{rel} = 100$ 

%Regularität

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

## SRS18; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 56.71       | 67.03   | 38.7    | 77.4         | 30           |
| Y <sub>Ma</sub>  | 56.71       | 0.0     | 77.4    | 77.4         | 90           |
| L <sub>Ma</sub>  | 56.71       | -67.02  | 38.7    | 77.4         | 150          |
| C <sub>Ma</sub>  | 56.71       | -67.02  | -38.69  | 77.4         | 210          |
| V <sub>Ma</sub>  | 56.71       | 0.0     | -77.39  | 77.4         | 270          |
| M <sub>Ma</sub>  | 56.71       | 67.03   | -38.69  | 77.4         | 330          |
| N <sub>Ma</sub>  | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub> | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub> | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub> | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub> | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

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 0.0 0.0  
 $LAB^*LABa$  95.41 0.0 0.0  
 $LAB^*TCHa$  99.99 0.01 -

relative CIELAB lab\*  
 $lab^*lab$  1.0 0.0 0.0  
 $lab^*tch$  1.0 0.0 -  
 $lab^*nch$  0.0 0.0 -

relative Natural Colour (NC)  
 $lab^*lrj$  1.0 0.0 0.0  
 $lab^*tce$  1.0 0.0 -  
 $lab^*nce$  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 0.5  
 $cmyn4^*$  0.0 0.0 0.0 0.5

standard and adapted CIELAB  
 $LAB^*LAB$  56.72 0.0 0.0  
 $LAB^*LABa$  56.72 0.0 0.0  
 $LAB^*TCHa$  50.0 0.01 -

relative CIELAB lab\*  
 $lab^*lab$  0.5 0.0 0.0  
 $lab^*tch$  0.5 0.0 -  
 $lab^*nch$  0.5 0.0 -

relative Natural Colour (NC)  
 $lab^*lrj$  0.5 0.0 0.0  
 $lab^*tce$  0.5 0.0 -  
 $lab^*nce$  0.5 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  
 $LAB^*LAB$  18.03 0.0 0.0  
 $LAB^*LABa$  18.03 0.0 0.0  
 $LAB^*TCHa$  0.01 0.01 -

relative CIELAB lab\*  
 $lab^*lab$  0.0 0.0 0.0  
 $lab^*tch$  0.0 0.0 -  
 $lab^*nch$  1.0 0.0 -

relative Natural Colour (NC)  
 $lab^*lrj$  0.0 0.0 0.0  
 $lab^*tce$  0.0 0.0 -  
 $lab^*nce$  1.0 0.0 -

relative Inform. Technology (IT)  
 $olvi3^*$  0.977 1.0 0.5 (1.0)  
 $cmyn3^*$  0.023 0.0 0.5 (0.0)  
 $olvi4^*$  0.977 1.0 0.5 1.0  
 $cmyn4^*$  0.023 0.0 0.5 0.0

standard and adapted CIELAB  
 $LAB^*LAB$  76.06 -1.51 37.81  
 $LAB^*LABa$  76.06 -1.51 37.81  
 $LAB^*TCHa$  75.0 37.84 92.3

relative CIELAB lab\*  
 $lab^*lab$  0.75 -0.019 0.499  
 $lab^*tch$  0.75 0.5 0.256  
 $lab^*nch$  0.0 0.5 0.256

relative Natural Colour (NC)  
 $lab^*lrj$  0.75 0.0 0.5  
 $lab^*tce$  0.75 0.5 0.25  
 $lab^*nce$  0.0 0.5 r99j

relative Inform. Technology (IT)  
 $olvi3^*$  0.477 0.5 0.0 (1.0)  
 $cmyn3^*$  0.523 0.5 1.0 (0.0)  
 $olvi4^*$  0.977 1.0 0.5 0.5  
 $cmyn4^*$  0.023 0.0 0.5 0.5

standard and adapted CIELAB  
 $LAB^*LAB$  37.36 -1.52 37.81  
 $LAB^*LABa$  37.36 -1.52 37.81  
 $LAB^*TCHa$  25.01 37.84 92.31

relative CIELAB lab\*  
 $lab^*lab$  0.25 -0.019 0.499  
 $lab^*tch$  0.25 0.5 0.256  
 $lab^*nch$  0.5 0.5 0.256

relative Natural Colour (NC)  
 $lab^*lrj$  0.25 0.0 0.5  
 $lab^*tce$  0.25 0.5 0.25  
 $lab^*nce$  0.5 0.5 100g

relative Inform. Technology (IT)  
 $olvi3^*$  0.954 1.0 0.0 (1.0)  
 $cmyn3^*$  0.046 0.0 1.0 (0.0)  
 $olvi4^*$  0.955 1.0 0.0 1.0  
 $cmyn4^*$  0.045 0.0 1.0 0.0

standard and adapted CIELAB  
 $LAB^*LAB$  56.71 -3.04 75.62  
 $LAB^*LABa$  56.71 -3.04 75.62  
 $LAB^*TCHa$  50.0 75.69 92.31

relative CIELAB lab\*  
 $lab^*lab$  0.5 -0.039 0.999  
 $lab^*tch$  0.5 1.0 0.256  
 $lab^*nch$  0.0 1.0 0.256

relative Natural Colour (NC)  
 $lab^*lrj$  0.5 0.0 1.0  
 $lab^*tce$  0.5 1.0 0.25  
 $lab^*nce$  0.0 1.0 r99j

relative Buntheit  $c^*$   
 0,25 0,50  $n^* = 0,50$  0,75 1,00  
 $n^* = 0,00$

Schwarzheit  $n^*$ 

relative Buntheit  $c^*$   
 0,25 0,50  $n^* = 0,50$  0,75 1,00  
 $n^* = 0,00$

Schwarzheit  $n^*$ 

NG020-7, 3 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (links)

3 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (rechts)

BAM-Prüfvorlage NG02; Farbmétrik-Systeme ORS18 &amp; ORS18input: olv\* setrgbcolor

D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: Startup (S) data dependend

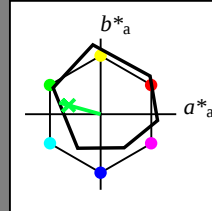
## Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

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

D65: Buntton G

LCH\*Ma: 53 57 164

olv\*Ma: 0.0 1.0 0.25

Dreiecks-Helligkeit  $t^*$ 

%Umfang

 $u^*_{rel} = 93$ 

%Regularität

 $g^*_{H,rel} = 57$  $g^*_{C,rel} = 59$ 

## 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          |

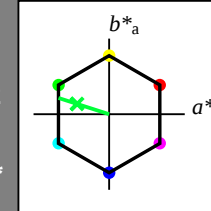
## Ausgabe: Farbmétrisches Standard-Reflektiv-System SRS18

für Buntton  $h^* = lab^*h = 162/360 = 0.451$  $lab^*ch$  und  $lab^*nch$ 

D65: Buntton G

LCH\*Ma: 57 70 162

olv\*Ma: 0.0 1.0 0.22

Dreiecks-Helligkeit  $t^*$ 

%Umfang

 $u^*_{rel} = 100$ 

%Regularität

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

## SRS18; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 56.71       | 67.03   | 38.7    | 77.4         | 30           |
| Y <sub>Ma</sub>  | 56.71       | 0.0     | 77.4    | 77.4         | 90           |
| L <sub>Ma</sub>  | 56.71       | -67.02  | 38.7    | 77.4         | 150          |
| C <sub>Ma</sub>  | 56.71       | -67.02  | -38.69  | 77.4         | 210          |
| V <sub>Ma</sub>  | 56.71       | 0.0     | -77.39  | 77.4         | 270          |
| M <sub>Ma</sub>  | 56.71       | 67.03   | -38.69  | 77.4         | 330          |
| N <sub>Ma</sub>  | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub> | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub> | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub> | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub> | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

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 0.0 0.0

LAB\*LABa 95.41 0.0 0.0

LAB\*TCa 99.99 0.01 -

relative CIELAB lab\*

lab\*lab 1.0 0.0 0.0

lab\*tch 1.0 0.0 -

lab\*nch 0.0 0.0 -

relative Natural Colour (NC)

lab\*lrj 1.0 0.0 0.0

lab\*tce 1.0 0.0 -

lab\*nce 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 | 0.5   |
| cmyn4* | 0.0 | 0.0 | 0.0 | 0.5   |

standard and adapted CIELAB

LAB\*LAB 56.72 0.0 0.0

LAB\*LABa 56.72 0.0 0.0

LAB\*TCa 50.0 0.01 -

relative CIELAB lab\*

lab\*lab 0.5 0.0 0.0

lab\*tch 0.5 0.0 -

lab\*nch 0.5 0.0 -

relative Natural Colour (NC)

lab\*lrj 0.5 0.0 0.0

lab\*tce 0.5 0.0 -

lab\*nce 0.5 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 18.03 0.0 0.0

LAB\*LABa 18.03 0.0 0.0

LAB\*TCa 0.01 0.01 -

relative CIELAB lab\*

lab\*lab 0.0 0.0 0.0

lab\*tch 0.0 0.0 -

lab\*nch 1.0 0.0 -

relative Natural Colour (NC)

lab\*lrj 0.0 0.0 0.0

lab\*tce 0.0 0.0 -

lab\*nce 1.0 0.0 -

relative Inform. Technology (IT)

|        |     |     |       |       |
|--------|-----|-----|-------|-------|
| olvi3* | 0.5 | 1.0 | 0.611 | (1.0) |
| cmyn3* | 0.5 | 0.0 | 0.389 | (0.0) |
| olvi4* | 0.5 | 1.0 | 0.611 | 1.0   |
| cmyn4* | 0.5 | 0.0 | 0.389 | 0.0   |

standard and adapted CIELAB

LAB\*LAB 76.06 -33.5 10.74

LAB\*LABa 76.06 -33.5 10.74

LAB\*TCa 75.0 35.19 162.23

relative CIELAB lab\*

lab\*lab 0.75 -0.475 0.153

lab\*tch 0.75 0.5 0.451

lab\*nch 0.0 0.5 0.451

relative Natural Colour (NC)

lab\*lrj 0.75 -0.499 0.0

lab\*tce 0.75 0.5 0.5

lab\*nce 0.0 0.5 g00b

relative Inform. Technology (IT)

|        |     |     |       |       |
|--------|-----|-----|-------|-------|
| olvi3* | 0.0 | 0.5 | 0.111 | (1.0) |
| cmyn3* | 1.0 | 0.5 | 0.889 | (0.0) |
| olvi4* | 0.5 | 1.0 | 0.611 | 0.5   |
| cmyn4* | 0.5 | 0.0 | 0.389 | 0.5   |

standard and adapted CIELAB

LAB\*LAB 37.36 -33.5 10.75

LAB\*LABa 37.36 -33.5 10.75

LAB\*TCa 25.01 35.19 162.21

relative CIELAB lab\*

lab\*lab 0.25 -0.475 0.153

lab\*tch 0.25 0.5 0.451

lab\*nch 0.5 0.5 0.451

relative Natural Colour (NC)

lab\*lrj 0.25 -0.499 0.0

lab\*tce 0.25 0.5 0.5

lab\*nce 0.5 0.5 199g

relative Inform. Technology (IT)

|        |     |     |       |       |
|--------|-----|-----|-------|-------|
| olvi3* | 0.0 | 1.0 | 0.222 | (1.0) |
| cmyn3* | 1.0 | 0.0 | 0.778 | (0.0) |
| olvi4* | 0.0 | 1.0 | 0.222 | 1.0   |
| cmyn4* | 1.0 | 0.0 | 0.778 | 0.0   |

standard and adapted CIELAB

LAB\*LAB 56.71 -67.01 21.49

LAB\*LABa 56.71 -67.01 21.49

LAB\*TCa 50.0 70.38 162.22

relative CIELAB lab\*

lab\*lab 0.5 -0.951 0.305

lab\*tch 0.5 1.0 0.451

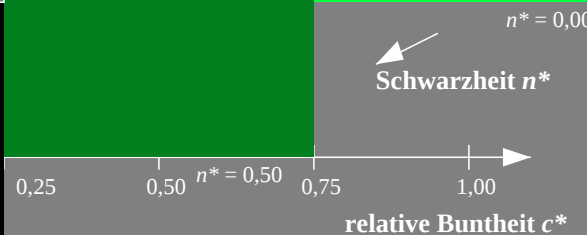
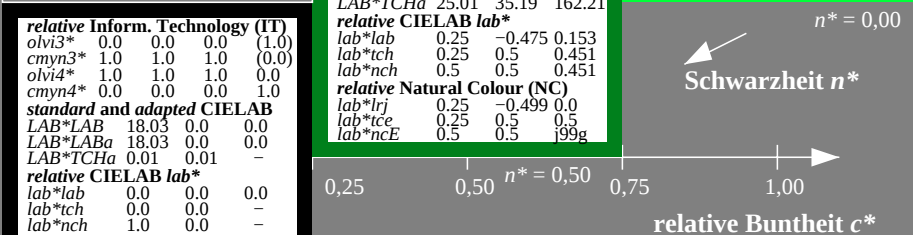
lab\*nch 0.0 1.0 0.451

relative Natural Colour (NC)

lab\*lrj 0.5 -0.999 0.0

lab\*tce 0.5 1.0 0.5

lab\*nce 0.0 1.0 199g

Schwarzheit  $n^*$ relative Bunttheit  $c^*$  $n^* = 1,0$ Schwarzheit  $n^*$ relative Bunttheit  $c^*$  $n^* = 1,0$ 

3 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

NG020-7, 3 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (links)

BAM-Prüfvorlage NG02; Farbmétrik-Systeme ORS18 &amp; ORS18input: olv\* setrgbcolor

D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: Startup (S) data dependend

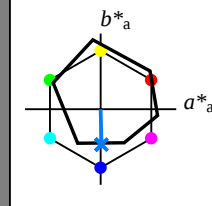
## Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

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  $t^*$ 

%Umfang

 $u^*_{rel} = 93$ 

%Regularität

 $g^*_{H,rel} = 57$  $g^*_{C,rel} = 59$ 

## 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          |

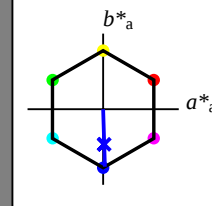
## Ausgabe: Farbmétrisches Standard-Reflektiv-System SRS18

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

D65: Buntton B

LCH\*Ma: 57 76 272

olv\*Ma: 0.03 0.0 1.0

Dreiecks-Helligkeit  $t^*$ 

%Umfang

 $u^*_{rel} = 100$ 

%Regularität

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

## SRS18; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 56.71       | 67.03   | 38.7    | 77.4         | 30           |
| Y <sub>Ma</sub>  | 56.71       | 0.0     | 77.4    | 77.4         | 90           |
| L <sub>Ma</sub>  | 56.71       | -67.02  | 38.7    | 77.4         | 150          |
| C <sub>Ma</sub>  | 56.71       | -67.02  | -38.69  | 77.4         | 210          |
| V <sub>Ma</sub>  | 56.71       | 0.0     | -77.39  | 77.4         | 270          |
| M <sub>Ma</sub>  | 56.71       | 67.03   | -38.69  | 77.4         | 330          |
| N <sub>Ma</sub>  | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub> | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub> | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub> | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub> | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

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 | 0.0  | 0.0 |
| LAB*LABa | 95.41 | 0.0  | 0.0 |
| LAB*TCa  | 99.99 | 0.01 | -   |

relative CIELAB lab\*

|         |     |     |     |
|---------|-----|-----|-----|
| lab*lab | 1.0 | 0.0 | 0.0 |
| lab*tch | 1.0 | 0.0 | -   |
| lab*nch | 0.0 | 0.0 | -   |

relative Natural Colour (NC)

|         |     |     |     |
|---------|-----|-----|-----|
| lab*lrj | 1.0 | 0.0 | 0.0 |
| lab*tce | 1.0 | 0.0 | -   |
| lab*nce | 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 | 0.5   |
| cmyn4* | 0.0 | 0.0 | 0.0 | 0.5   |

standard and adapted CIELAB

|          |       |      |     |
|----------|-------|------|-----|
| LAB*LAB  | 56.72 | 0.0  | 0.0 |
| LAB*LABa | 56.72 | 0.0  | 0.0 |
| LAB*TCa  | 50.0  | 0.01 | -   |

relative CIELAB lab\*

|         |     |     |     |
|---------|-----|-----|-----|
| lab*lab | 0.5 | 0.0 | 0.0 |
| lab*tch | 0.5 | 0.0 | -   |
| lab*nch | 0.5 | 0.0 | -   |

relative Natural Colour (NC)

|         |     |     |     |
|---------|-----|-----|-----|
| lab*lrj | 0.5 | 0.0 | 0.0 |
| lab*tce | 0.5 | 0.0 | -   |
| lab*nce | 0.5 | 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  | 18.03 | 0.0  | 0.0 |
| LAB*LABa | 18.03 | 0.0  | 0.0 |
| LAB*TCa  | 0.01  | 0.01 | -   |

relative CIELAB lab\*

|         |     |     |     |
|---------|-----|-----|-----|
| lab*lab | 0.0 | 0.0 | 0.0 |
| lab*tch | 0.0 | 0.0 | -   |
| lab*nch | 1.0 | 0.0 | -   |

relative Natural Colour (NC)

|         |     |     |     |
|---------|-----|-----|-----|
| lab*lrj | 0.0 | 0.0 | 0.0 |
| lab*tce | 0.0 | 0.0 | -   |
| lab*nce | 1.0 | 0.0 | -   |

relative Inform. Technology (IT)

|        |       |     |     |       |
|--------|-------|-----|-----|-------|
| olvi3* | 0.517 | 0.5 | 1.0 | (1.0) |
| cmyn3* | 0.483 | 0.5 | 0.0 | (0.0) |
| olvi4* | 0.517 | 0.5 | 1.0 | 1.0   |
| cmyn4* | 0.483 | 0.5 | 0.0 | 0.0   |

standard and adapted CIELAB

|          |       |       |        |
|----------|-------|-------|--------|
| LAB*LAB  | 76.06 | 1.15  | -38.02 |
| LAB*LABa | 76.06 | 1.15  | -38.02 |
| LAB*TCa  | 75.0  | 38.04 | 271.74 |

relative CIELAB lab\*

|         |      |       |        |
|---------|------|-------|--------|
| lab*lab | 0.75 | 0.015 | -0.499 |
| lab*tch | 0.75 | 0.5   | 0.755  |
| lab*nch | 0.0  | 0.5   | 0.755  |

relative Natural Colour (NC)

|         |      |     |        |
|---------|------|-----|--------|
| lab*lrj | 0.75 | 0.0 | -0.499 |
| lab*tce | 0.75 | 0.5 | 0.75   |
| lab*nce | 0.0  | 0.5 | b00r   |

relative Inform. Technology (IT)

|        |       |     |     |       |
|--------|-------|-----|-----|-------|
| olvi3* | 0.017 | 0.0 | 0.5 | (1.0) |
| cmyn3* | 0.983 | 1.0 | 0.5 | (0.0) |
| olvi4* | 0.517 | 0.5 | 1.0 | 0.5   |
| cmyn4* | 0.483 | 0.5 | 0.0 | 0.5   |

standard and adapted CIELAB

|          |       |       |        |
|----------|-------|-------|--------|
| LAB*LAB  | 37.36 | 1.15  | -38.02 |
| LAB*LABa | 37.36 | 1.15  | -38.02 |
| LAB*TCa  | 25.01 | 38.05 | 271.73 |

relative CIELAB lab\*

|         |      |       |        |
|---------|------|-------|--------|
| lab*lab | 0.25 | 0.015 | -0.499 |
| lab*tch | 0.25 | 0.5   | 0.755  |
| lab*nch | 0.5  | 0.5   | 0.755  |

relative Natural Colour (NC)

|         |      |     |        |
|---------|------|-----|--------|
| lab*lrj | 0.25 | 0.0 | -0.499 |
| lab*tce | 0.25 | 0.5 | 0.75   |
| lab*nce | 0.5  | 0.5 | g99b   |

relative Inform. Technology (IT)

|        |       |     |     |       |
|--------|-------|-----|-----|-------|
| olvi3* | 0.034 | 0.0 | 1.0 | (1.0) |
| cmyn3* | 0.966 | 1.0 | 0.0 | (0.0) |
| olvi4* | 0.035 | 0.0 | 1.0 | 1.0   |
| cmyn4* | 0.965 | 1.0 | 0.0 | 0.0   |

standard and adapted CIELAB

|          |       |       |        |
|----------|-------|-------|--------|
| LAB*LAB  | 56.71 | 2.3   | -76.05 |
| LAB*LABa | 56.71 | 2.3   | -76.05 |
| LAB*TCa  | 50.0  | 76.09 | 271.73 |

relative CIELAB lab\*

|         |     |      |        |
|---------|-----|------|--------|
| lab*lab | 0.5 | 0.03 | -0.998 |
| lab*tch | 0.5 | 1.0  | 0.755  |
| lab*nch | 0.0 | 1.0  | 0.755  |

relative Natural Colour (NC)

|         |     |     |        |
|---------|-----|-----|--------|
| lab*lrj | 0.5 | 0.0 | -0.999 |
| lab*tce | 0.5 | 1.0 | 0.75   |
| lab*nce | 0.0 | 1.0 | g99b   |

relative Buntheit  $c^*$

0,25 0,50  $n^* = 0,50$  0,75 1,00

Schwarzheit  $n^*$  $n^* = 0,00$  $n^* = 1,0$ 

relative Buntheit  $c^*$

0,25 0,50  $n^* = 0,50$  0,75 1,00

Schwarzheit  $n^*$  $n^* = 0,00$ 

3 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (rechts)

NG020-7, 3 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (links)

BAM-Prüfvorlage NG02; Farbmétrik-Systeme ORS18 &amp; ORS18input: olv\* setrgbcolor

D65: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: Startup (S) data dependend