

Eingabe: Farbmetrisches Offset-Refektiv-System ORS18

für Buntton  $h^* = lab^*h = 38/360 = 0.106$

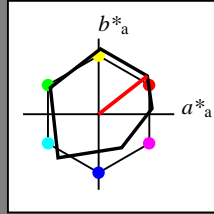
$lab^*tch$  und  $lab^*nch$

A: Buntton O

LCH\*Ma: 48 82 38

olv\*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit  $t^*$



ORS18; adaptierte CIELAB-Daten

Table with 6 columns: L\*, L\*a, a\*a, b\*a, C\*ab,a, h\*ab,a. Rows include OMa, YMa, LMa, CMa, VMa, MMa, NMa, WMa, RCIE, JCIE, GCIE, BCIE.

%Umfang

$u^*_{rel} = 96$

%Regularität

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 1.0, 0.0, 1.0, 0.0.

standard and adapted CIELAB LAB\*LAB 95.6 0.43 4.65 LAB\*LABa 95.6 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) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 0.5, 0.5, 0.5, 0.5.

standard and adapted CIELAB LAB\*LAB 56.86 0.8 2.08 LAB\*LABa 56.86 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) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 0.0, 0.0, 0.0, 0.0.

standard and adapted CIELAB LAB\*LAB 18.12 1.18 -0.49 LAB\*LABa 18.12 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 -

$n^* = 1.0$

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton  $h^* = lab^*h = 35/360 = 0.097$

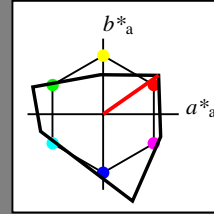
$lab^*tch$  und  $lab^*nch$

A: Buntton O

LCH\*Ma: 66 90 35

olv\*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 141$

%Regularität

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 1.0, 0.0, 1.0, 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) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 0.5, 0.5, 0.5, 0.5.

standard and adapted CIELAB LAB\*LAB 47.72 0.0 0.0 LAB\*LABa 47.72 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) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 0.0, 0.0, 0.0, 0.0.

standard and adapted CIELAB LAB\*LAB 0.03 0.0 0.0 LAB\*LABa 0.03 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 -

$n^* = 1.0$

TLS00; adaptierte CIELAB-Daten

Table with 6 columns: L\*, L\*a, a\*a, b\*a, C\*ab,a, h\*ab,a. Rows include OMa, YMa, LMa, CMa, VMa, MMa, NMa, WMa, RCIE, JCIE, GCIE, BCIE.

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 1.0, 0.5, 0.5, 1.0.

standard and adapted CIELAB LAB\*LAB 80.48 36.66 25.69 LAB\*LABa 80.48 36.66 25.69 LAB\*TCHa 75.0 44.77 35.02

relative CIELAB lab\* lab\*lab 0.843 0.409 0.287 lab\*tch 0.75 0.5 0.097 lab\*nch 0.0 0.5 0.097

relative Natural Colour (NC) lab\*lrj 0.843 0.5 0.007 lab\*tce 0.75 0.5 0.002 lab\*nce 0.0 0.5 r00j

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 1.0, 0.0, 0.0, 1.0.

standard and adapted CIELAB LAB\*LAB 65.56 73.33 51.38 LAB\*LABa 65.56 73.33 51.38 LAB\*TCHa 50.0 89.53 35.02

relative CIELAB lab\* lab\*lab 0.687 0.819 0.574 lab\*tch 0.5 1.0 0.097 lab\*nch 0.0 1.0 0.097

relative Natural Colour (NC) lab\*lrj 0.687 1.0 0.014 lab\*tce 0.5 1.0 0.002 lab\*nce 0.0 1.0 r00j

$n^* = 0.00$

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 1.0, 0.0, 0.0, 1.0.

standard and adapted CIELAB LAB\*LAB 47.94 65.3 52.06 LAB\*LABa 47.94 64.41 50.57 LAB\*TCHa 50.0 81.89 38.14

relative CIELAB lab\* lab\*lab 0.385 0.786 0.617 lab\*tch 0.5 1.0 0.106 lab\*nch 0.0 1.0 0.106

relative Natural Colour (NC) lab\*lrj 0.385 0.992 0.128 lab\*tce 0.5 1.0 0.02 lab\*nce 0.0 1.0 r08j

$n^* = 0.00$

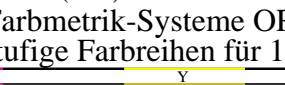
relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 0.5, 0.5, 0.5, 0.5.

standard and adapted CIELAB LAB\*LAB 33.03 33.24 25.79 LAB\*LABa 33.03 32.2 25.28 LAB\*TCHa 25.01 40.94 38.14

relative CIELAB lab\* lab\*lab 0.193 0.393 0.309 lab\*tch 0.25 0.5 0.106 lab\*nch 0.5 0.5 0.106

relative Natural Colour (NC) lab\*lrj 0.193 0.496 0.064 lab\*tce 0.25 0.5 0.02 lab\*nce 0.5 0.5 r08j

$n^* = 0.50$



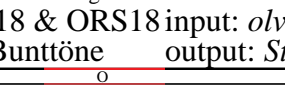
relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 0.0, 0.0, 0.0, 1.0.

standard and adapted CIELAB LAB\*LAB 0.03 0.0 0.0 LAB\*LABa 0.03 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 -

$n^* = 1.0$



relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 0.5, 0.0, 0.0, 0.5.

standard and adapted CIELAB LAB\*LAB 32.79 36.66 25.69 LAB\*LABa 32.79 36.66 25.69 LAB\*TCHa 25.01 44.77 35.02

relative CIELAB lab\* lab\*lab 0.344 0.409 0.287 lab\*tch 0.25 0.5 0.097 lab\*nch 0.5 0.5 0.097

relative Natural Colour (NC) lab\*lrj 0.344 0.5 0.007 lab\*tce 0.25 0.5 0.002 lab\*nce 0.5 0.5 r00j

$n^* = 0.00$

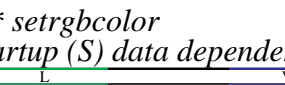
relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 0.0, 0.0, 0.0, 0.0.

standard and adapted CIELAB LAB\*LAB 18.12 1.18 -0.49 LAB\*LABa 18.12 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 -

$n^* = 1.0$



Technische Information: http://www.ps.bam.de/Version 2.1, io=1,1?

BAM-Registrierung: 20060101-RG10/10S/S10G00SP.PS/.PDF BAM-Material: Code=rh4ta Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen

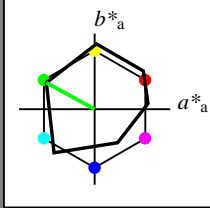
RG10/ Form: 1/10, Serie: 1/1, Seite: 1

Satzzeichnung 1



Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18  
 für Buntton  $h^* = lab^*h = 151/360 = 0.42$   
 $lab^*tch$  und  $lab^*nch$

A: Buntton L  
 LCH\*Ma: 51 73 151  
 olv\*Ma: 0.0 1.0 0.0  
 Dreiecks-Helligkeit  $t^*$



**ORS18; adaptierte CIELAB-Daten**

	$L^*$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
O <sub>Ma</sub>	47.94	64.42	50.58	81.9	38
Y <sub>Ma</sub>	92.62	2.41	86.36	86.39	88
L <sub>Ma</sub>	50.9	-63.82	35.02	72.81	151
C <sub>Ma</sub>	51.25	-53.68	-57.69	78.82	227
V <sub>Ma</sub>	25.72	30.34	-44.37	53.76	304
M <sub>Ma</sub>	56.25	70.59	7.57	70.99	6
N <sub>Ma</sub>	18.11	0.0	0.0	0.0	0
W <sub>Ma</sub>	95.6	0.0	0.0	0.0	0
R <sub>CIE</sub>	47.79	60.85	41.08	73.41	34
J <sub>CIE</sub>	83.82	6.52	66.9	67.22	84
G <sub>CIE</sub>	49.0	-36.83	2.78	36.95	176
B <sub>CIE</sub>	25.14	-18.35	-56.22	59.15	252

%Umfang  
 $u^*_{rel} = 96$   
 %Regularität  
 $g^*_{H,rel} = -385$   
 $g^*_{C,rel} = 62$

**relative Inform. Technology (IT)**  
 olv<sub>i3</sub>\* 1.0 1.0 1.0 (1.0)  
 cmyn<sub>3</sub>\* 0.0 0.0 0.0 (0.0)  
 olv<sub>i4</sub>\* 1.0 1.0 1.0 1.0  
 cmyn<sub>4</sub>\* 0.0 0.0 0.0 0.0

**standard and adapted CIELAB**  
 LAB\*LAB 95.6 0.43 4.65  
 LAB\*LABa 95.6 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)**  
 olv<sub>i3</sub>\* 0.5 1.0 0.5 (1.0)  
 cmyn<sub>3</sub>\* 0.5 0.0 0.5 (0.0)  
 olv<sub>i4</sub>\* 0.5 1.0 0.5 1.0  
 cmyn<sub>4</sub>\* 0.5 0.0 0.5 0.0

**standard and adapted CIELAB**  
 LAB\*LAB 73.25 -31.25 20.68  
 LAB\*LABa 73.25 -31.9 17.51  
 LAB\*TCHa 75.0 36.4 151.25

**relative CIELAB lab\***  
 lab\*lab 0.712 -0.437 0.24  
 lab\*tch 0.75 0.5 0.42  
 lab\*nch 0.0 0.5 0.42

**relative Natural Colour (NC)**  
 lab\*lrj 0.712 -0.455 0.204  
 lab\*tce 0.75 0.5 0.433  
 lab\*nce 0.0 0.5 0.173g

**relative Inform. Technology (IT)**  
 olv<sub>i3</sub>\* 0.0 1.0 0.0 (1.0)  
 cmyn<sub>3</sub>\* 1.0 0.0 1.0 (0.0)  
 olv<sub>i4</sub>\* 1.0 1.0 0.0 1.0  
 cmyn<sub>4</sub>\* 1.0 0.0 1.0 0.0

**standard and adapted CIELAB**  
 LAB\*LAB 50.9 -62.95 36.7  
 LAB\*LABa 50.9 -63.81 35.01  
 LAB\*TCHa 50.0 72.79 151.25

**relative CIELAB lab\***  
 lab\*lab 0.423 -0.876 0.481  
 lab\*tch 0.5 1.0 0.42  
 lab\*nch 0.0 1.0 0.42

**relative Natural Colour (NC)**  
 lab\*lrj 0.423 -0.912 0.408  
 lab\*tce 0.5 1.0 0.433  
 lab\*nce 0.0 1.0 0.173g

**relative Inform. Technology (IT)**  
 olv<sub>i3</sub>\* 0.0 0.5 0.0 (1.0)  
 cmyn<sub>3</sub>\* 1.0 0.5 1.0 (0.0)  
 olv<sub>i4</sub>\* 0.5 1.0 0.5 0.5  
 cmyn<sub>4</sub>\* 0.5 0.0 0.5 0.5

**standard and adapted CIELAB**  
 LAB\*LAB 34.51 -30.88 18.11  
 LAB\*LABa 34.51 -31.9 17.51  
 LAB\*TCHa 25.01 36.4 151.25

**relative CIELAB lab\***  
 lab\*lab 0.212 -0.437 0.24  
 lab\*tch 0.25 0.5 0.42  
 lab\*nch 0.5 0.5 0.42

**relative Natural Colour (NC)**  
 lab\*lrj 0.212 -0.455 0.204  
 lab\*tce 0.25 0.5 0.433  
 lab\*nce 0.5 0.5 0.173g

**relative Inform. Technology (IT)**  
 olv<sub>i3</sub>\* 0.0 0.0 0.0 (1.0)  
 cmyn<sub>3</sub>\* 1.0 1.0 1.0 (0.0)  
 olv<sub>i4</sub>\* 1.0 1.0 1.0 0.0  
 cmyn<sub>4</sub>\* 1.0 0.0 1.0 0.0

**standard and adapted CIELAB**  
 LAB\*LAB 0.03 0.0 0.0  
 LAB\*LABa 0.03 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)**  
 olv<sub>i3</sub>\* 0.0 1.0 0.0 (1.0)  
 cmyn<sub>3</sub>\* 1.0 1.0 1.0 (0.0)  
 olv<sub>i4</sub>\* 1.0 1.0 1.0 0.0  
 cmyn<sub>4</sub>\* 0.0 0.0 1.0 0.0

**standard and adapted CIELAB**  
 LAB\*LAB 18.12 1.18 -0.49  
 LAB\*LABa 18.12 0.0 0.0  
 LAB\*TCHa 0.12 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 -

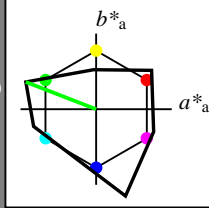
$n^* = 0.50$   
 relative Buntheit  $c^*$

$n^* = 0.00$   
 Schwarzheit  $n^*$

$n^* = 1.0$

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00  
 für Buntton  $h^* = lab^*h = 159/360 = 0.441$   
 $lab^*tch$  und  $lab^*nch$

A: Buntton L  
 LCH\*Ma: 77 100 159  
 olv\*Ma: 0.0 1.0 0.0  
 Dreiecks-Helligkeit  $t^*$



**TLS00; adaptierte CIELAB-Daten**

	$L^*$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
O <sub>Ma</sub>	65.56	73.34	51.39	89.55	35
Y <sub>Ma</sub>	94.78	-3.49	52.24	52.36	94
L <sub>Ma</sub>	77.48	-92.97	36.0	99.71	159
C <sub>Ma</sub>	78.36	-82.69	-22.74	85.77	195
V <sub>Ma</sub>	12.55	38.81	-114.81	121.2	289
M <sub>Ma</sub>	66.71	76.08	-29.8	81.71	339
N <sub>Ma</sub>	0.01	0.0	0.0	0.0	0
W <sub>Ma</sub>	95.41	0.0	0.0	0.0	0
R <sub>CIE</sub>	47.79	61.74	42.56	74.99	35
J <sub>CIE</sub>	83.82	7.06	70.78	71.13	84
G <sub>CIE</sub>	49.0	-35.95	4.34	36.22	173
B <sub>CIE</sub>	25.14	-17.24	-56.24	58.84	253

%Umfang  
 $u^*_{rel} = 141$   
 %Regularität  
 $g^*_{H,rel} = 39$   
 $g^*_{C,rel} = 43$

**relative Inform. Technology (IT)**  
 olv<sub>i3</sub>\* 1.0 1.0 1.0 (1.0)  
 cmyn<sub>3</sub>\* 0.0 0.0 0.0 (0.0)  
 olv<sub>i4</sub>\* 1.0 1.0 1.0 1.0  
 cmyn<sub>4</sub>\* 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)**  
 olv<sub>i3</sub>\* 0.5 1.0 0.5 (1.0)  
 cmyn<sub>3</sub>\* 0.5 0.0 0.5 (0.0)  
 olv<sub>i4</sub>\* 0.5 1.0 0.5 1.0  
 cmyn<sub>4</sub>\* 0.5 0.0 0.5 0.0

**standard and adapted CIELAB**  
 LAB\*LAB 86.44 -46.47 18.0  
 LAB\*LABa 86.44 -46.47 18.0  
 LAB\*TCHa 75.0 49.84 158.83

**relative CIELAB lab\***  
 lab\*lab 0.906 -0.465 0.18  
 lab\*tch 0.75 0.5 0.441  
 lab\*nch 0.0 0.5 0.441

**relative Natural Colour (NC)**  
 lab\*lrj 0.906 -0.483 0.125  
 lab\*tce 0.75 0.5 0.46  
 lab\*nce 0.0 0.5 0.183g

**relative Inform. Technology (IT)**  
 olv<sub>i3</sub>\* 0.0 1.0 0.0 (1.0)  
 cmyn<sub>3</sub>\* 1.0 0.0 1.0 (0.0)  
 olv<sub>i4</sub>\* 0.0 1.0 0.0 1.0  
 cmyn<sub>4</sub>\* 1.0 0.0 1.0 0.0

**standard and adapted CIELAB**  
 LAB\*LAB 77.47 -92.95 35.99  
 LAB\*LABa 77.47 -92.95 35.99  
 LAB\*TCHa 50.0 99.69 158.83

**relative CIELAB lab\***  
 lab\*lab 0.812 -0.931 0.361  
 lab\*tch 0.5 1.0 0.441  
 lab\*nch 0.0 1.0 0.441

**relative Natural Colour (NC)**  
 lab\*lrj 0.812 -0.967 0.25  
 lab\*tce 0.5 1.0 0.46  
 lab\*nce 0.0 1.0 0.183g

**relative Inform. Technology (IT)**  
 olv<sub>i3</sub>\* 0.0 0.5 0.0 (1.0)  
 cmyn<sub>3</sub>\* 1.0 0.5 1.0 (0.0)  
 olv<sub>i4</sub>\* 0.5 1.0 0.5 0.5  
 cmyn<sub>4</sub>\* 0.5 0.0 0.5 0.5

**standard and adapted CIELAB**  
 LAB\*LAB 38.75 -46.47 18.0  
 LAB\*LABa 38.75 -46.47 18.0  
 LAB\*TCHa 25.01 49.84 158.83

**relative CIELAB lab\***  
 lab\*lab 0.406 -0.465 0.18  
 lab\*tch 0.25 0.5 0.441  
 lab\*nch 0.5 0.5 0.441

**relative Natural Colour (NC)**  
 lab\*lrj 0.406 -0.483 0.125  
 lab\*tce 0.25 0.5 0.46  
 lab\*nce 0.5 0.5 0.183g

**relative Inform. Technology (IT)**  
 olv<sub>i3</sub>\* 0.0 0.0 0.0 (1.0)  
 cmyn<sub>3</sub>\* 1.0 1.0 1.0 (0.0)  
 olv<sub>i4</sub>\* 1.0 1.0 1.0 0.0  
 cmyn<sub>4</sub>\* 1.0 0.0 1.0 0.0

**standard and adapted CIELAB**  
 LAB\*LAB 0.03 0.0 0.0  
 LAB\*LABa 0.03 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 -

$n^* = 0.50$   
 relative Buntheit  $c^*$

$n^* = 0.00$   
 Schwarzheit  $n^*$

$n^* = 1.0$

RG10-7, 3 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.42 (links)

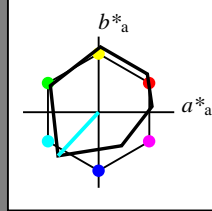
3 stufige Reihen für konstanten CIELAB Buntton 159/360 = 0.441 (rechts)

BAM-Prüfvorlage RG10; Farbmetrik-Systeme ORS18 & ORS18input: olv\* setrgbcolor  
 A: 2 Koordinatendaten; 3 stufige Farbreihen für 10 Bunttöne output: Startup (S) data dependend

Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton  $h^* = lab^*h = 227/360 = 0.631$   
 $lab^*tch$  und  $lab^*nch$

A: Buntton C  
LCH\*Ma: 51 79 227  
olv\*Ma: 0.0 1.0 1.0  
Dreiecks-Helligkeit  $t^*$



ORS18; adaptierte CIELAB-Daten

	$L^*$	$a^*$	$b^*$	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	64.42	50.58	81.9	38
YMa	92.62	2.41	86.36	86.39	88
LMa	50.9	-63.82	35.02	72.81	151
CMa	51.25	-53.68	-57.69	78.82	227
VMa	25.72	30.34	-44.37	53.76	304
MMa	56.25	70.59	7.57	70.99	6
NMa	18.11	0.0	0.0	0.0	0
WMa	95.6	0.0	0.0	0.0	0
RCIE	47.79	60.85	41.08	73.41	34
JCIE	83.82	6.52	66.9	67.22	84
GCIE	49.0	-36.83	2.78	36.95	176
BCIE	25.14	-18.35	-56.22	59.15	252

%Umfang  
 $u^*_{rel} = 96$   
%Regularität  
 $g^*_{H,rel} = -385$   
 $g^*_{C,rel} = 62$

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 95.6 0.43 4.65  
LAB\*LABa 95.6 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 56.86 0.8 2.08  
LAB\*LABa 56.86 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 18.12 1.18 -0.49  
LAB\*LABa 18.12 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 -

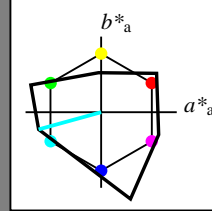
relative Natural Colour (NC)  
lab\*lrj 0.0 0.0 0.0  
lab\*tce 0.0 0.0 -  
lab\*nce 1.0 0.0 -

$n^* = 1.0$

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton  $h^* = lab^*h = 195/360 = 0.543$   
 $lab^*tch$  und  $lab^*nch$

A: Buntton C  
LCH\*Ma: 78 86 195  
olv\*Ma: 0.0 1.0 1.0  
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 0.0 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 47.72 0.0 0.0  
LAB\*LABa 47.72 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 0.03 0.0 0.0  
LAB\*LABa 0.03 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 -

$n^* = 1.0$

TLS00; adaptierte CIELAB-Daten

	$L^*$	$a^*$	$b^*$	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	65.56	73.34	51.39	89.55	35
YMa	94.78	-3.49	52.24	52.36	94
LMa	77.48	-92.97	36.0	99.71	159
CMa	78.36	-82.69	-22.74	85.77	195
VMa	12.55	38.81	-114.81	121.2	289
MMa	66.71	76.08	-29.8	81.71	339
NMa	0.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	47.79	61.74	42.56	74.99	35
JCIE	83.82	7.06	70.78	71.13	84
GCIE	49.0	-35.95	4.34	36.22	173
BCIE	25.14	-17.24	-56.24	58.84	253

%Umfang  
 $u^*_{rel} = 141$   
%Regularität  
 $g^*_{H,rel} = 39$   
 $g^*_{C,rel} = 43$

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 86.88 -41.33 -11.36  
LAB\*LABa 86.88 -41.33 -11.36  
LAB\*TCHa 75.0 42.88 195.38

relative CIELAB lab\*  
lab\*lab 0.911 -0.481 -0.132  
lab\*tch 0.75 0.5 0.543  
lab\*nch 0.0 0.5 0.543

relative Natural Colour (NC)  
lab\*lrj 0.911 -0.452 -0.211  
lab\*tce 0.75 0.5 0.57  
lab\*nce 0.0 0.5 0.57

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 39.19 -41.33 -11.36  
LAB\*LABa 39.19 -41.33 -11.36  
LAB\*TCHa 25.01 42.88 195.38

relative CIELAB lab\*  
lab\*lab 0.411 -0.481 -0.132  
lab\*tch 0.25 0.5 0.543  
lab\*nch 0.5 0.5 0.543

relative Natural Colour (NC)  
lab\*lrj 0.411 -0.452 -0.211  
lab\*tce 0.25 0.5 0.57  
lab\*nce 0.5 0.5 0.57

$n^* = 0.00$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

Eingabe: Farbmetrisches Offset-Refektiv-System ORS18

für Buntton  $h^* = lab^*h = 304/360 = 0.845$

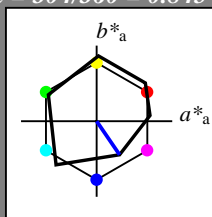
$lab^*tch$  und  $lab^*nch$

A: Buntton V

LCH\*Ma: 26 54 304

olv\*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit  $t^*$



ORS18; adaptierte CIELAB-Daten

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

OMa	47.94	64.42	50.58	81.9	38
YMa	92.62	2.41	86.36	86.39	88
LMa	50.9	-63.82	35.02	72.81	151
CMa	51.25	-53.68	-57.69	78.82	227
VMa	25.72	30.34	-44.37	53.76	304
MMa	56.25	70.59	7.57	70.99	6
NMa	18.11	0.0	0.0	0.0	0
WMa	95.6	0.0	0.0	0.0	0
RCIE	47.79	60.85	41.08	73.41	34
JCIE	83.82	6.52	66.9	67.22	84
GCIE	49.0	-36.83	2.78	36.95	176
BCIE	25.14	-18.35	-56.22	59.15	252

%Umfang

$u^*_{rel} = 96$

%Regularität

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

**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 95.6 0.43 4.65  
 LAB\*LABa 95.6 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 56.86 0.8 2.08  
 LAB\*LABa 56.86 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 18.12 1.18 -0.49  
 LAB\*LABa 18.12 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 -

$n^* = 1.0$

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton  $h^* = lab^*h = 289/360 = 0.802$

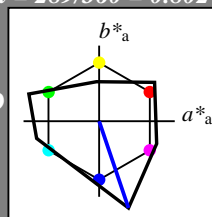
$lab^*tch$  und  $lab^*nch$

A: Buntton V

LCH\*Ma: 13 121 289

olv\*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 141$

%Regularität

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$

**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 47.72 0.0 0.0  
 LAB\*LABa 47.72 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 0.03 0.0 0.0  
 LAB\*LABa 0.03 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 -

$n^* = 1.0$

TLS00; adaptierte CIELAB-Daten

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

OMa	65.56	73.34	51.39	89.55	35
YMa	94.78	-3.49	52.24	52.36	94
LMa	77.48	-92.97	36.0	99.71	159
CMa	78.36	-82.69	-22.74	85.77	195
VMa	12.55	38.81	-114.81	121.2	289
MMa	66.71	76.08	-29.8	81.71	339
NMa	0.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	47.79	61.74	42.56	74.99	35
JCIE	83.82	7.06	70.78	71.13	84
GCIE	49.0	-35.95	4.34	36.22	173
BCIE	25.14	-17.24	-56.24	58.84	253

**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 53.98 19.4 -57.39  
 LAB\*LABa 53.98 19.4 -57.39  
 LAB\*TCHa 75.0 60.59 288.68

**relative CIELAB lab\***  
 lab\*lab 0.566 0.16 -0.473  
 lab\*tch 0.75 0.5 0.802  
 lab\*nch 0.0 0.5 0.802

**relative Natural Colour (NC)**  
 lab\*lrj 0.566 0.193 -0.46  
 lab\*tce 0.75 0.5 0.813  
 lab\*nce 0.0 0.5 0.813

**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 6.29 19.4 -57.39  
 LAB\*LABa 6.29 19.4 -57.39  
 LAB\*TCHa 25.01 60.59 288.68

**relative CIELAB lab\***  
 lab\*lab 0.066 0.16 -0.473  
 lab\*tch 0.25 0.5 0.802  
 lab\*nch 0.5 0.5 0.802

**relative Natural Colour (NC)**  
 lab\*lrj 0.066 0.193 -0.46  
 lab\*tce 0.25 0.5 0.813  
 lab\*nce 0.5 0.5 0.813

**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 12.56 38.8 -114.79  
 LAB\*LABa 12.56 38.8 -114.79  
 LAB\*TCHa 50.0 121.18 288.68

**relative CIELAB lab\***  
 lab\*lab 0.132 0.32 -0.946  
 lab\*tch 0.5 1.0 0.802  
 lab\*nch 0.0 1.0 0.802

**relative Natural Colour (NC)**  
 lab\*lrj 0.132 0.386 -0.921  
 lab\*tce 0.5 1.0 0.813  
 lab\*nce 0.0 1.0 0.813

$n^* = 0.00$

relative Buntheit  $c^*$

$n^* = 0.50$

$n^* = 0.00$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

$n^* = 0.50$

$n^* = 0.00$

Schwarzheit  $n^*$

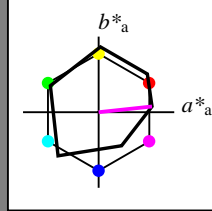
Eingabe: Farbmetrisches Offset-Refektiv-System ORS18

für Buntton  $h^* = lab^*h = 6/360 = 0.017$

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

A: Buntton M  
LCH\*Ma: 56 71 6  
olv\*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit  $t^*$



ORS18; adaptierte CIELAB-Daten

Table with 5 columns: L\*, a\*, b\*, C\*ab,a, h\*ab,a. Rows include OMa, YMa, LMa, CMa, VMa, MMa, NMa, WMa, RCIE, JCIE, GCIE, BCIE.

%Umfang

$u^*_{rel} = 96$

%Regularität

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 1.0, 0.0, 1.0, 0.0.

standard and adapted CIELAB LAB\*LAB 95.6 0.43 4.65

relative CIELAB lab\* lab\*lab 1.0 0.0 0.0

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

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 0.5, 0.5, 1.0, 0.5.

standard and adapted CIELAB LAB\*LAB 56.86 0.8 2.08

relative CIELAB lab\* lab\*lab 0.5 0.0 0.0

relative Natural Colour (NC) lab\*lrj 0.5 0.0 0.0

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 0.0, 0.0, 1.0, 0.0.

standard and adapted CIELAB LAB\*LAB 18.12 1.18 -0.49

relative CIELAB lab\* lab\*lab 0.0 0.0 0.0

relative Natural Colour (NC) lab\*lrj 0.0 0.0 0.0

$n^* = 1.0$

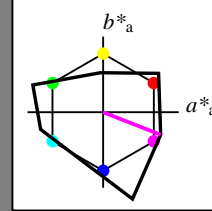
Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton  $h^* = lab^*h = 339/360 = 0.941$

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

A: Buntton M  
LCH\*Ma: 67 82 339  
olv\*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 141$

%Regularität

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 1.0, 0.0, 1.0, 0.0.

standard and adapted CIELAB LAB\*LAB 95.41 0.0 0.0

relative CIELAB lab\* lab\*lab 1.0 0.0 0.0

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

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 0.5, 0.5, 1.0, 0.5.

standard and adapted CIELAB LAB\*LAB 47.72 0.0 0.0

relative CIELAB lab\* lab\*lab 0.5 0.0 0.0

relative Natural Colour (NC) lab\*lrj 0.5 0.0 0.0

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 0.0, 0.0, 1.0, 0.0.

standard and adapted CIELAB LAB\*LAB 0.03 0.0 0.0

relative CIELAB lab\* lab\*lab 0.0 0.0 0.0

relative Natural Colour (NC) lab\*lrj 0.0 0.0 0.0

$n^* = 1.0$

TLS00; adaptierte CIELAB-Daten

Table with 5 columns: L\*, a\*, b\*, C\*ab,a, h\*ab,a. Rows include OMa, YMa, LMa, CMa, VMa, MMa, NMa, WMa, RCIE, JCIE, GCIE, BCIE.

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 1.0, 0.5, 1.0, 0.0.

standard and adapted CIELAB LAB\*LAB 81.05 38.03 -14.89

relative CIELAB lab\* lab\*lab 0.85 0.465 -0.181

relative Natural Colour (NC) lab\*lrj 0.85 0.407 -0.29

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 0.5, 1.0, 0.5, 0.0.

standard and adapted CIELAB LAB\*LAB 33.36 38.03 -14.89

relative CIELAB lab\* lab\*lab 0.35 0.465 -0.181

relative Natural Colour (NC) lab\*lrj 0.35 0.407 -0.29

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 1.0, 0.0, 1.0, 0.0.

standard and adapted CIELAB LAB\*LAB 66.71 76.06 -29.79

relative CIELAB lab\* lab\*lab 0.699 0.931 -0.364

relative Natural Colour (NC) lab\*lrj 0.699 0.813 -0.581

$n^* = 0.00$

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 1.0, 0.5, 1.0, 0.0.

standard and adapted CIELAB LAB\*LAB 75.92 35.91 7.13

relative CIELAB lab\* lab\*lab 0.746 0.497 0.053

relative Natural Colour (NC) lab\*lrj 0.746 0.476 -0.151

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 0.5, 1.0, 0.5, 0.0.

standard and adapted CIELAB LAB\*LAB 37.18 36.28 4.56

relative CIELAB lab\* lab\*lab 0.246 0.497 0.053

relative Natural Colour (NC) lab\*lrj 0.246 0.476 -0.151

$n^* = 0.00$

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 1.0, 0.0, 1.0, 0.0.

standard and adapted CIELAB LAB\*LAB 56.25 71.39 9.61

relative CIELAB lab\* lab\*lab 0.492 0.994 0.107

relative Natural Colour (NC) lab\*lrj 0.492 0.953 -0.303

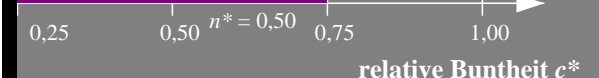
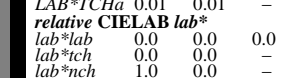
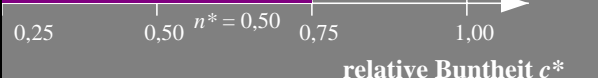
relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 0.0, 0.0, 1.0, 0.0.

standard and adapted CIELAB LAB\*LAB 0.03 0.0 0.0

relative CIELAB lab\* lab\*lab 0.0 0.0 0.0

relative Natural Colour (NC) lab\*lrj 0.0 0.0 0.0

$n^* = 0.00$



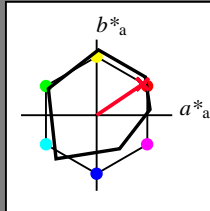
Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton  $h^* = lab^*h = 34/360 = 0.095$

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

A: Buntton R  
LCH\*Ma: 49 79 34  
olv\*Ma: 1.0 0.0 0.15

Dreiecks-Helligkeit  $t^*$



ORS18; adaptierte CIELAB-Daten

Table with 6 columns: L\*, a\*, b\*, C\*ab,a, h\*ab,a and 12 rows of color data.

%Umfang

$u^*_{rel} = 96$

%Regularität

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

relative Inform. Technology (IT) table with 5 columns and 5 rows.

standard and adapted CIELAB LAB\*LAB 95.6 0.43 4.65

relative CIELAB lab\*

Table with 3 columns and 5 rows for relative CIELAB lab\* data.

relative Natural Colour (NC)

Table with 3 columns and 5 rows for relative Natural Colour data.

standard and adapted CIELAB

Table with 3 columns and 5 rows for standard and adapted CIELAB data.

relative CIELAB lab\*

Table with 3 columns and 5 rows for relative CIELAB lab\* data.

relative Natural Colour (NC)

Table with 3 columns and 5 rows for relative Natural Colour data.

standard and adapted CIELAB

Table with 3 columns and 5 rows for standard and adapted CIELAB data.

$n^* = 1.0$

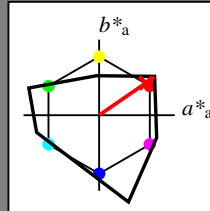
Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton  $h^* = lab^*h = 35/360 = 0.096$

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

A: Buntton R  
LCH\*Ma: 66 89 35  
olv\*Ma: 1.0 0.0 0.01

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 141$

%Regularität

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$

relative Inform. Technology (IT) table with 5 columns and 5 rows.

standard and adapted CIELAB LAB\*LAB 95.41 0.0 0.0

relative CIELAB lab\*

Table with 3 columns and 5 rows for relative CIELAB lab\* data.

relative Natural Colour (NC)

Table with 3 columns and 5 rows for relative Natural Colour data.

standard and adapted CIELAB

Table with 3 columns and 5 rows for standard and adapted CIELAB data.

relative CIELAB lab\*

Table with 3 columns and 5 rows for relative CIELAB lab\* data.

relative Natural Colour (NC)

Table with 3 columns and 5 rows for relative Natural Colour data.

standard and adapted CIELAB

Table with 3 columns and 5 rows for standard and adapted CIELAB data.

$n^* = 1.0$

TLS00; adaptierte CIELAB-Daten

Table with 6 columns: L\*, a\*, b\*, C\*ab,a, h\*ab,a and 12 rows of color data.

relative Inform. Technology (IT) table with 5 columns and 5 rows.

standard and adapted CIELAB LAB\*LAB 80.48 36.68 25.28

relative CIELAB lab\*

Table with 3 columns and 5 rows for relative CIELAB lab\* data.

relative Natural Colour (NC)

Table with 3 columns and 5 rows for relative Natural Colour data.

standard and adapted CIELAB

Table with 3 columns and 5 rows for standard and adapted CIELAB data.

relative CIELAB lab\*

Table with 3 columns and 5 rows for relative CIELAB lab\* data.

relative Natural Colour (NC)

Table with 3 columns and 5 rows for relative Natural Colour data.

$n^* = 0.00$

relative Inform. Technology (IT) table with 5 columns and 5 rows.

standard and adapted CIELAB LAB\*LAB 72.39 33.32 25.17

relative CIELAB lab\*

Table with 3 columns and 5 rows for relative CIELAB lab\* data.

relative Natural Colour (NC)

Table with 3 columns and 5 rows for relative Natural Colour data.

standard and adapted CIELAB

Table with 3 columns and 5 rows for standard and adapted CIELAB data.

relative CIELAB lab\*

Table with 3 columns and 5 rows for relative CIELAB lab\* data.

relative Natural Colour (NC)

Table with 3 columns and 5 rows for relative Natural Colour data.

$n^* = 0.50$

relative Inform. Technology (IT) table with 5 columns and 5 rows.

standard and adapted CIELAB LAB\*LAB 49.19 66.21 45.68

relative CIELAB lab\*

Table with 3 columns and 5 rows for relative CIELAB lab\* data.

relative Natural Colour (NC)

Table with 3 columns and 5 rows for relative Natural Colour data.

standard and adapted CIELAB

Table with 3 columns and 5 rows for standard and adapted CIELAB data.

relative CIELAB lab\*

Table with 3 columns and 5 rows for relative CIELAB lab\* data.

$n^* = 0.00$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

relative Inform. Technology (IT) table with 5 columns and 5 rows.

standard and adapted CIELAB LAB\*LAB 47.72 0.0 0.0

relative CIELAB lab\*

Table with 3 columns and 5 rows for relative CIELAB lab\* data.

relative Natural Colour (NC)

Table with 3 columns and 5 rows for relative Natural Colour data.

standard and adapted CIELAB

Table with 3 columns and 5 rows for standard and adapted CIELAB data.

relative CIELAB lab\*

Table with 3 columns and 5 rows for relative CIELAB lab\* data.

$n^* = 0.00$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

relative Inform. Technology (IT) table with 5 columns and 5 rows.

standard and adapted CIELAB LAB\*LAB 65.57 73.35 50.57

relative CIELAB lab\*

Table with 3 columns and 5 rows for relative CIELAB lab\* data.

relative Natural Colour (NC)

Table with 3 columns and 5 rows for relative Natural Colour data.

standard and adapted CIELAB

Table with 3 columns and 5 rows for standard and adapted CIELAB data.

relative CIELAB lab\*

Table with 3 columns and 5 rows for relative CIELAB lab\* data.

$n^* = 0.00$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

Eingabe: Farbmetrisches Offset-Refektiv-System ORS18

für Buntton  $h^* = lab^*h = 84/360 = 0.235$

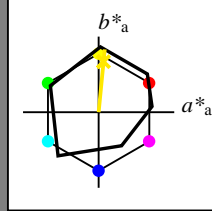
$lab^*tch$  und  $lab^*nch$

A: Buntton J

LCH\*Ma: 89 83 84

olv\*Ma: 1.0 0.91 0.0

Dreiecks-Helligkeit  $t^*$



ORS18; adaptierte CIELAB-Daten

Table with 6 columns: L\*, L\*a, a\*a, b\*a, C\*ab,a, h\*ab,a. Rows include OMa, YMa, LMa, CMa, VMa, MMa, NMa, WMa, RCIE, JCIE, GCIE, BCIE.

%Umfang

$u^*_{rel} = 96$

%Regularität

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 1.0, 0.0, 1.0, 0.0.

standard and adapted CIELAB LAB\*LAB 95.6 0.43 4.65

relative CIELAB lab\* lab\*lab 1.0 0.0 0.0

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

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 0.5, 0.5, 1.0, 0.5.

standard and adapted CIELAB LAB\*LAB 56.86 0.8 2.08

relative CIELAB lab\* lab\*lab 0.5 0.0 0.0

relative Natural Colour (NC) lab\*lrj 0.5 0.0 0.0

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 0.0, 1.0, 1.0, 0.0.

standard and adapted CIELAB LAB\*LAB 18.12 1.18 -0.49

relative CIELAB lab\* lab\*lab 0.0 0.0 0.0

relative Natural Colour (NC) lab\*lrj 0.0 0.0 0.0

$n^* = 1.0$

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton  $h^* = lab^*h = 84/360 = 0.234$

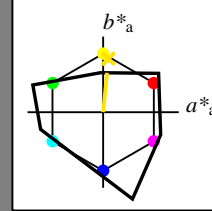
$lab^*tch$  und  $lab^*nch$

A: Buntton J

LCH\*Ma: 91 52 84

olv\*Ma: 1.0 0.89 0.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 141$

%Regularität

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 1.0, 0.0, 1.0, 0.0.

standard and adapted CIELAB LAB\*LAB 95.41 0.0 0.0

relative CIELAB lab\* lab\*lab 1.0 0.0 0.0

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

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 0.5, 0.5, 1.0, 0.5.

standard and adapted CIELAB LAB\*LAB 47.72 0.0 0.0

relative CIELAB lab\* lab\*lab 0.5 0.0 0.0

relative Natural Colour (NC) lab\*lrj 0.5 0.0 0.0

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 0.0, 1.0, 1.0, 0.0.

standard and adapted CIELAB LAB\*LAB 0.03 0.0 0.0

relative CIELAB lab\* lab\*lab 0.0 0.0 0.0

relative Natural Colour (NC) lab\*lrj 0.0 0.0 0.0

$n^* = 1.0$

TLS00; adaptierte CIELAB-Daten

Table with 6 columns: L\*, L\*a, a\*a, b\*a, C\*ab,a, h\*ab,a. Rows include OMa, YMa, LMa, CMa, VMa, MMa, NMa, WMa, RCIE, JCIE, GCIE, BCIE.

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 1.0, 0.0, 1.0, 0.0.

standard and adapted CIELAB LAB\*LAB 93.43 2.59 26.07

relative CIELAB lab\* lab\*lab 0.979 0.049 0.497

relative Natural Colour (NC) lab\*lrj 0.979 0.0 0.5

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 0.5, 0.5, 1.0, 0.5.

standard and adapted CIELAB LAB\*LAB 45.74 2.6 26.07

relative CIELAB lab\* lab\*lab 0.479 0.05 0.497

relative Natural Colour (NC) lab\*lrj 0.479 0.0 0.5

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 1.0, 0.887, 1.0, 0.0.

standard and adapted CIELAB LAB\*LAB 91.46 5.19 52.13

relative CIELAB lab\* lab\*lab 0.959 0.099 0.995

relative Natural Colour (NC) lab\*lrj 0.959 0.0 1.0

$n^* = 0.00$

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 1.0, 0.954, 0.5, 1.0.

standard and adapted CIELAB LAB\*LAB 92.06 4.5 45.96

relative CIELAB lab\* lab\*lab 0.954 0.048 0.498

relative Natural Colour (NC) lab\*lrj 0.954 0.0 0.5

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 0.5, 0.454, 1.0, 0.5.

standard and adapted CIELAB LAB\*LAB 53.32 4.88 43.38

relative CIELAB lab\* lab\*lab 0.454 0.048 0.498

relative Natural Colour (NC) lab\*lrj 0.454 0.0 0.5

$n^* = 0.00$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 0.5, 0.5, 1.0, 0.5.

standard and adapted CIELAB LAB\*LAB 88.52 8.58 87.26

relative CIELAB lab\* lab\*lab 0.909 0.097 0.995

relative Natural Colour (NC) lab\*lrj 0.909 0.0 1.0

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 0.0, 1.0, 1.0, 0.0.

standard and adapted CIELAB LAB\*LAB 0.03 0.0 0.0

relative CIELAB lab\* lab\*lab 0.0 0.0 0.0

relative Natural Colour (NC) lab\*lrj 0.0 0.0 0.0

$n^* = 1.0$

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 0.5, 0.5, 1.0, 0.5.

standard and adapted CIELAB LAB\*LAB 45.74 2.6 26.07

relative CIELAB lab\* lab\*lab 0.479 0.05 0.497

relative Natural Colour (NC) lab\*lrj 0.479 0.0 0.5

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 1.0, 0.887, 1.0, 0.0.

standard and adapted CIELAB LAB\*LAB 91.46 5.19 52.13

relative CIELAB lab\* lab\*lab 0.959 0.099 0.995

relative Natural Colour (NC) lab\*lrj 0.959 0.0 1.0

$n^* = 0.00$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

relative Buntheit  $c^*$

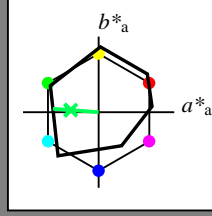


Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton  $h^* = lab^*h = 176/360 = 0.488$   
 $lab^*tch$  und  $lab^*nch$

A: Buntton G  
LCH\*Ma: 51 61 176  
olv\*Ma: 0.0 1.0 0.33

Dreiecks-Helligkeit  $t^*$



ORS18; adaptierte CIELAB-Daten

	$L^*$	$a^*$	$b^*$	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	64.42	50.58	81.9	38
YMa	92.62	2.41	86.36	86.39	88
LMa	50.9	-63.82	35.02	72.81	151
CMa	51.25	-53.68	-57.69	78.82	227
VMa	25.72	30.34	-44.37	53.76	304
MMa	56.25	70.59	7.57	70.99	6
NMa	18.11	0.0	0.0	0.0	0
WMa	95.6	0.0	0.0	0.0	0
RCIE	47.79	60.85	41.08	73.41	34
JCIE	83.82	6.52	66.9	67.22	84
GCIE	49.0	-36.83	2.78	36.95	176
BCIE	25.14	-18.35	-56.22	59.15	252

%Umfang  
 $u^*_{rel} = 96$   
%Regularität  
 $g^*_{H,rel} = -385$   
 $g^*_{C,rel} = 62$

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	95.6	0.43	4.65
LAB*LABa	95.6	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	56.86	0.8	2.08
LAB*LABa	56.86	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	18.12	1.18	-0.49
LAB*LABa	18.12	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	-

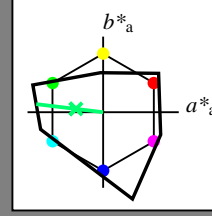
$n^* = 1.0$

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton  $h^* = lab^*h = 173/360 = 0.481$   
 $lab^*tch$  und  $lab^*nch$

A: Buntton G  
LCH\*Ma: 78 89 173  
olv\*Ma: 0.0 1.0 0.43

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	0.0	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	47.72	0.0	0.0
LAB*LABa	47.72	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	0.03	0.0	0.0
LAB*LABa	0.03	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	-

$n^* = 1.0$

TLS00; adaptierte CIELAB-Daten

	$L^*$	$a^*$	$b^*$	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	65.56	73.34	51.39	89.55	35
YMa	94.78	-3.49	52.24	52.36	94
LMa	77.48	-92.97	36.0	99.71	159
CMa	78.36	-82.69	-22.74	85.77	195
VMa	12.55	38.81	-114.81	121.2	289
MMa	66.71	76.08	-29.8	81.71	339
NMa	0.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	47.79	61.74	42.56	74.99	35
JCIE	83.82	7.06	70.78	71.13	84
GCIE	49.0	-35.95	4.34	36.22	173
BCIE	25.14	-17.24	-56.24	58.84	253

%Umfang  
 $u^*_{rel} = 141$   
%Regularität  
 $g^*_{H,rel} = 39$   
 $g^*_{C,rel} = 43$

relative Inform. Technology (IT)

olvi3*	0.5	1.0	0.715	(1.0)
cmyn3*	0.5	0.0	0.285	(0.0)
olvi4*	0.5	1.0	0.716	1.0
cmyn4*	0.5	0.0	0.284	0.0

standard and adapted CIELAB

LAB*LAB	86.63	-44.26	5.34
LAB*LABa	86.63	-44.26	5.34
LAB*TCHa	75.0	44.59	173.12

relative CIELAB lab\*

lab*lab	0.908	-0.495	0.06
lab*tch	0.75	0.5	0.481
lab*nch	0.0	0.5	0.481

relative Natural Colour (NC)

lab*lrj	0.908	-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	0.215	(1.0)
cmyn3*	1.0	0.5	0.785	(0.0)
olvi4*	0.5	1.0	0.715	0.5
cmyn4*	0.5	0.0	0.285	0.5

standard and adapted CIELAB

LAB*LAB	38.94	-44.26	5.35
LAB*LABa	38.94	-44.26	5.35
LAB*TCHa	25.01	44.59	173.11

relative CIELAB lab\*

lab*lab	0.408	-0.495	0.06
lab*tch	0.25	0.5	0.481
lab*nch	0.5	0.5	0.481

relative Natural Colour (NC)

lab*lrj	0.408	-0.499	0.0
lab*tce	0.25	0.5	0.5
lab*nce	0.5	0.5	g99g

$n^* = 0.00$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

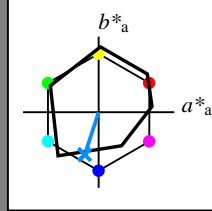
Eingabe: Farbmetrisches Offset-Refektiv-System ORS18

für Buntton  $h^* = lab^*h = 252/360 = 0.7$

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

A: Buntton B  
LCH\*Ma: 40 55 252  
olv\*Ma: 0.0 0.56 1.0

Dreiecks-Helligkeit  $t^*$



ORS18; adaptierte CIELAB-Daten

Table with 5 columns: L\*, a\*, b\*, C\*ab,a, h\*ab,a. Rows include OMa, YMa, LMa, CMa, VMa, MMa, NMa, WMa, RCIE, JCIE, GCIE, BCIE.

%Umfang

$u^*_{rel} = 96$

%Regularität

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 1.0, 0.0, 1.0, 0.0.

standard and adapted CIELAB table with columns LAB\*LAB, LAB\*LABa, LAB\*TCHa and values 95.6, 0.43, 4.65.

relative CIELAB lab\* table with columns lab\*lab, lab\*tch, lab\*nch and values 1.0, 0.0, 0.0.

relative Natural Colour (NC) table with columns lab\*lrj, lab\*tce, lab\*nce and values 1.0, 0.0, 0.0.

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 0.5, 0.5, 0.5, 0.5.

standard and adapted CIELAB table with columns LAB\*LAB, LAB\*LABa, LAB\*TCHa and values 56.86, 0.8, 2.08.

relative CIELAB lab\* table with columns lab\*lab, lab\*tch, lab\*nch and values 0.5, 0.0, 0.0.

relative Natural Colour (NC) table with columns lab\*lrj, lab\*tce, lab\*nce and values 0.5, 0.0, 0.0.

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 0.0, 1.0, 0.0, 0.0.

standard and adapted CIELAB table with columns LAB\*LAB, LAB\*LABa, LAB\*TCHa and values 18.12, 1.18, -0.49.

relative CIELAB lab\* table with columns lab\*lab, lab\*tch, lab\*nch and values 0.0, 0.0, 0.0.

relative Natural Colour (NC) table with columns lab\*lrj, lab\*tce, lab\*nce and values 0.0, 0.0, 0.0.

$n^* = 1.0$

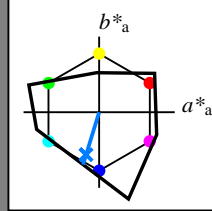
Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton  $h^* = lab^*h = 253/360 = 0.703$

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

A: Buntton B  
LCH\*Ma: 45 72 253  
olv\*Ma: 0.0 0.49 1.0

Dreiecks-Helligkeit  $t^*$



TLS00; adaptierte CIELAB-Daten

Table with 5 columns: L\*, a\*, b\*, C\*ab,a, h\*ab,a. Rows include OMa, YMa, LMa, CMa, VMa, MMa, NMa, WMa, RCIE, JCIE, GCIE, BCIE.

%Umfang

$u^*_{rel} = 141$

%Regularität

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 1.0, 0.0, 1.0, 0.0.

standard and adapted CIELAB table with columns LAB\*LAB, LAB\*LABa, LAB\*TCHa and values 95.41, 0.0, 0.0.

relative CIELAB lab\* table with columns lab\*lab, lab\*tch, lab\*nch and values 1.0, 0.0, 0.0.

relative Natural Colour (NC) table with columns lab\*lrj, lab\*tce, lab\*nce and values 1.0, 0.0, 0.0.

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 0.5, 0.5, 0.5, 0.5.

standard and adapted CIELAB table with columns LAB\*LAB, LAB\*LABa, LAB\*TCHa and values 47.72, 0.0, 0.0.

relative CIELAB lab\* table with columns lab\*lab, lab\*tch, lab\*nch and values 0.5, 0.0, 0.0.

relative Natural Colour (NC) table with columns lab\*lrj, lab\*tce, lab\*nce and values 0.5, 0.0, 0.0.

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 0.5, 0.747, 1.0, 0.0.

standard and adapted CIELAB table with columns LAB\*LAB, LAB\*LABa, LAB\*TCHa and values 70.24, -10.62, -34.63.

relative CIELAB lab\* table with columns lab\*lab, lab\*tch, lab\*nch and values 0.736, -0.146, -0.477.

relative Natural Colour (NC) table with columns lab\*lrj, lab\*tce, lab\*nce and values 0.736, 0.0, -0.499.

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 0.0, 0.494, 1.0, 0.0.

standard and adapted CIELAB table with columns LAB\*LAB, LAB\*LABa, LAB\*TCHa and values 45.08, -21.24, -69.28.

relative CIELAB lab\* table with columns lab\*lab, lab\*tch, lab\*nch and values 0.472, -0.292, -0.955.

relative Natural Colour (NC) table with columns lab\*lrj, lab\*tce, lab\*nce and values 0.472, 0.0, -0.999.

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 0.5, 0.781, 1.0, 0.0.

standard and adapted CIELAB table with columns LAB\*LAB, LAB\*LABa, LAB\*TCHa and values 67.84, -7.76, -23.11.

relative CIELAB lab\* table with columns lab\*lab, lab\*tch, lab\*nch and values 0.642, -0.154, -0.474.

relative Natural Colour (NC) table with columns lab\*lrj, lab\*tce, lab\*nce and values 0.642, 0.0, -0.499.

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 0.0, 0.563, 1.0, 0.0.

standard and adapted CIELAB table with columns LAB\*LAB, LAB\*LABa, LAB\*TCHa and values 40.09, -15.96, -50.88.

relative CIELAB lab\* table with columns lab\*lab, lab\*tch, lab\*nch and values 0.284, -0.309, -0.949.

relative Natural Colour (NC) table with columns lab\*lrj, lab\*tce, lab\*nce and values 0.284, 0.0, -0.999.

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 0.0, 0.0, 0.0, 0.0.

standard and adapted CIELAB table with columns LAB\*LAB, LAB\*LABa, LAB\*TCHa and values 0.03, 0.0, 0.0.

relative CIELAB lab\* table with columns lab\*lab, lab\*tch, lab\*nch and values 0.0, 0.0, 0.0.

relative Natural Colour (NC) table with columns lab\*lrj, lab\*tce, lab\*nce and values 0.0, 0.0, 0.0.

$n^* = 1.0$

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 0.0, 0.281, 0.5, 0.0.

standard and adapted CIELAB table with columns LAB\*LAB, LAB\*LABa, LAB\*TCHa and values 29.1, -7.38, -25.68.

relative CIELAB lab\* table with columns lab\*lab, lab\*tch, lab\*nch and values 0.142, -0.154, -0.474.

relative Natural Colour (NC) table with columns lab\*lrj, lab\*tce, lab\*nce and values 0.142, 0.0, -0.499.

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 1.0, 0.0, 1.0, 0.0.

standard and adapted CIELAB table with columns LAB\*LAB, LAB\*LABa, LAB\*TCHa and values 0.01, 0.01, 0.0.

relative CIELAB lab\* table with columns lab\*lab, lab\*tch, lab\*nch and values 1.0, 0.0, 0.0.

relative Natural Colour (NC) table with columns lab\*lrj, lab\*tce, lab\*nce and values 1.0, 0.0, 0.0.

$n^* = 0.00$

Schwarzheit  $n^*$

relative Buntheit  $c^*$

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 0.0, 0.0, 0.0, 0.0.

standard and adapted CIELAB table with columns LAB\*LAB, LAB\*LABa, LAB\*TCHa and values 0.03, 0.0, 0.0.

relative CIELAB lab\* table with columns lab\*lab, lab\*tch, lab\*nch and values 0.0, 0.0, 0.0.

relative Natural Colour (NC) table with columns lab\*lrj, lab\*tce, lab\*nce and values 0.0, 0.0, 0.0.

$n^* = 1.0$

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 0.0, 0.247, 0.5, 0.0.

standard and adapted CIELAB table with columns LAB\*LAB, LAB\*LABa, LAB\*TCHa and values 22.55, -10.61, -34.64.

relative CIELAB lab\* table with columns lab\*lab, lab\*tch, lab\*nch and values 0.236, -0.145, -0.477.

relative Natural Colour (NC) table with columns lab\*lrj, lab\*tce, lab\*nce and values 0.236, 0.0, -0.499.

relative Inform. Technology (IT) table with columns olvi3\*, cmyn3\*, olvi4\*, cmyn4\* and values 0.0, 0.494, 1.0, 0.0.

standard and adapted CIELAB table with columns LAB\*LAB, LAB\*LABa, LAB\*TCHa and values 45.08, -21.24, -69.28.

relative CIELAB lab\* table with columns lab\*lab, lab\*tch, lab\*nch and values 0.472, -0.292, -0.955.

relative Natural Colour (NC) table with columns lab\*lrj, lab\*tce, lab\*nce and values 0.472, 0.0, -0.999.

$n^* = 0.00$

Schwarzheit  $n^*$

relative Buntheit  $c^*$