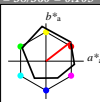


Siehe ähnliche Dateien: <http://www.ps.bam.de/rg10/>  
 Technische Informationen: <http://www.ps.bam.de/rg10/>  
 Version 2.1, iso-1.1, CIELAB

**Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18**

für Buntton  $h^* = lab^*h = 38/360 = 0.105$   
 $lab^*ch$  und  $lab^*nch$



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

Dreiecks-Helligkeit  $l^*$

relative Inform. Technology (IT)  
 olv3\* 1.0 1.0 1.0 (1.0)  
 cmy2\* 0.0 0.0 0.0 (0.0)  
 olv4\* 1.0 1.0 1.0 1.0  
 cmy4\* 0.0 0.0 0.0 0.0  
 standard and adapted CIELAB  
 LAB\*LAB 95.41 -0.98 4.75  
 LAB\*LABa 95.41 0.0 0.0  
 LAB\*TCHe 99.99 0.01 -

relative CIELAB lab\*  
 lab\*lab 1.0 0.0 0.0  
 lab\*ch 1.0 0.0 0.0  
 lab\*nch 0.0 0.0 0.0  
 relative Natural Colour (NC)  
 lab\*lrj 1.0 0.0 0.0  
 lab\*lrc 1.0 0.0 0.0  
 lab\*nrc 0.0 0.0 -

relative Inform. Technology (IT)  
 cmy2\* 0.5 0.5 0.5 (1.0)  
 olv3\* 1.0 1.0 1.0 0.5  
 cmy4\* 0.0 0.0 0.0 0.5  
 standard and adapted CIELAB  
 LAB\*LAB 56.71 -0.24 2.14  
 LAB\*LABa 56.71 0.0 0.0  
 LAB\*TCHe 50.0 0.01 -

relative CIELAB lab\*  
 lab\*lab 0.5 0.0 0.0  
 lab\*ch 0.5 0.0 0.0  
 lab\*nch 0.5 0.0 -  
 relative Natural Colour (NC)  
 lab\*lrj 0.5 0.0 0.0  
 lab\*lrc 0.5 0.0 0.0  
 lab\*nrc 0.5 0.0 -

relative Inform. Technology (IT)  
 olv3\* 0.0 0.0 0.0 (1.0)  
 cmy2\* 1.0 1.0 1.0 (0.0)  
 olv4\* 1.0 1.0 1.0 0.0  
 cmy4\* 0.0 0.0 0.0 1.0  
 standard and adapted CIELAB  
 LAB\*LAB 18.02 0.5 -0.47  
 LAB\*LABa 18.02 0.0 0.0  
 LAB\*TCHe 0.01 0.01 -

relative CIELAB lab\*  
 lab\*lab 0.0 0.0 0.0  
 lab\*ch 0.0 0.0 0.0  
 lab\*nch 1.0 0.0 0.0  
 relative Natural Colour (NC)  
 lab\*lrj 0.0 0.0 0.0  
 lab\*lrc 0.0 0.0 0.0  
 lab\*nrc 1.0 0.0 -

$n^* = 1.0$

**ORS18; adaptierte CIELAB-Daten**

	$L^*$	$a^*$	$b^*$	$C^*_{ab}$	$h^*_{ab}$
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	54.33	236
VMa	25.72	31.1	-44.4	54.22	306
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
RCE	39.92	58.66	26.98	64.57	25
CE	81.26	-2.16	67.76	67.79	92
BCE	52.23	-42.25	11.76	43.87	164
GCe	30.57	1.15	-46.84	46.86	271

% Umfang  
 $u^*_{rel} = 93$   
 % Regularität  
 $g^*_{rel} = 57$   
 $g^*_{Crel} = 59$

relative Inform. Technology (IT)  
 olv3\* 1.0 0.5 0.5 (1.0)  
 cmy3\* 0.0 0.5 0.5 (0.0)  
 olv4\* 1.0 0.5 0.5 0.5  
 cmy4\* 0.0 0.5 0.5 0.0  
 standard and adapted CIELAB  
 LAB\*LAB 71.67 32.15 28.41  
 LAB\*LABa 71.67 32.69 28.25  
 LAB\*TCHe 75.0 41.31 37.69

relative CIELAB lab\*  
 lab\*lab 0.693 0.396 0.306  
 lab\*ch 0.75 0.5 0.105  
 lab\*nch 0.0 0.5 0.105  
 relative Natural Colour (NC)  
 lab\*lrj 0.693 0.477 0.15  
 lab\*lrc 0.75 0.5 0.048  
 lab\*nrc 0.0 0.5 0.191

relative Inform. Technology (IT)  
 olv3\* 0.5 0.0 0.0 (1.0)  
 cmy2\* 0.5 1.0 1.0 (0.0)  
 olv4\* 1.0 0.5 0.5 0.5  
 cmy4\* 0.0 0.5 0.5 0.5  
 standard and adapted CIELAB  
 LAB\*LAB 32.98 32.99 25.88  
 LAB\*LABa 32.98 32.69 25.25  
 LAB\*TCHe 25.01 41.31 37.69

relative CIELAB lab\*  
 lab\*lab 0.193 0.396 0.306  
 lab\*ch 0.25 0.5 0.105  
 lab\*nch 0.5 1.0 0.105  
 relative Natural Colour (NC)  
 lab\*lrj 0.193 0.477 0.15  
 lab\*lrc 0.75 0.5 0.048  
 lab\*nrc 0.5 0.5 0.191

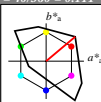
relative Inform. Technology (IT)  
 olv3\* 1.0 1.0 1.0 (1.0)  
 cmy2\* 0.5 0.5 0.5 (0.0)  
 olv4\* 1.0 1.0 1.0 0.5  
 cmy4\* 0.0 1.0 1.0 0.5  
 standard and adapted CIELAB  
 LAB\*LAB 47.94 65.3 52.06  
 LAB\*LABa 47.94 65.37 50.51  
 LAB\*TCHe 50.0 82.63 37.69

relative CIELAB lab\*  
 lab\*lab 0.387 0.791 0.611  
 lab\*ch 0.387 0.5 0.105  
 lab\*nch 0.0 1.0 0.105  
 relative Natural Colour (NC)  
 lab\*lrj 0.387 0.554 0.299  
 lab\*lrc 0.5 1.0 0.248  
 lab\*nrc 0.0 1.0 0.191

$n^* = 0.00$

**Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00**

für Buntton  $h^* = lab^*h = 40/360 = 0.111$   
 $lab^*ch$  und  $lab^*nch$



A: Buntton O  
 LCH\*Ma: 51 100 40  
 olv\*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit  $l^*$

relative Inform. Technology (IT)  
 olv3\* 1.0 1.0 1.0 (1.0)  
 cmy2\* 0.0 0.0 0.0 (0.0)  
 olv4\* 1.0 1.0 1.0 1.0  
 cmy4\* 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\*TCHe 99.99 0.01 -

relative CIELAB lab\*  
 lab\*lab 1.0 0.0 0.0  
 lab\*ch 1.0 0.0 0.0  
 lab\*nch 0.0 0.0 0.0  
 relative Natural Colour (NC)  
 lab\*lrj 1.0 0.0 0.0  
 lab\*lrc 1.0 0.0 0.0  
 lab\*nrc 0.0 0.0 -

relative Inform. Technology (IT)  
 cmy2\* 0.5 0.5 0.5 (1.0)  
 olv3\* 0.5 0.5 0.5 (0.0)  
 olv4\* 1.0 1.0 1.0 0.5  
 cmy4\* 0.0 1.0 1.0 0.5  
 standard and adapted CIELAB  
 LAB\*LAB 47.72 0.0 0.0  
 LAB\*LABa 47.72 0.0 0.0  
 LAB\*TCHe 50.0 0.01 -

relative CIELAB lab\*  
 lab\*lab 0.5 0.0 0.0  
 lab\*ch 0.5 0.0 0.0  
 lab\*nch 0.5 0.0 -  
 relative Natural Colour (NC)  
 lab\*lrj 0.5 0.0 0.0  
 lab\*lrc 0.5 0.0 0.0  
 lab\*nrc 0.5 0.0 -

relative Inform. Technology (IT)  
 olv3\* 0.0 0.0 0.0 (1.0)  
 cmy2\* 1.0 1.0 1.0 (0.0)  
 olv4\* 1.0 1.0 1.0 0.0  
 cmy4\* 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\*TCHe 0.01 0.01 -

relative CIELAB lab\*  
 lab\*lab 0.0 0.0 0.0  
 lab\*ch 0.0 0.0 0.0  
 lab\*nch 1.0 0.0 0.0  
 relative Natural Colour (NC)  
 lab\*lrj 0.0 0.0 0.0  
 lab\*lrc 0.0 0.0 0.0  
 lab\*nrc 1.0 0.0 -

$n^* = 1.0$

**TLS00; adaptierte CIELAB-Daten**

	$L^*$	$a^*$	$b^*$	$C^*_{ab}$	$h^*_{ab}$
OMa	50.5	76.92	64.55	100.42	40
YMa	92.66	-20.69	90.75	93.08	103
LMa	83.63	-82.75	79.9	115.04	136
CMa	86.88	-46.16	-13.55	48.12	196
VMa	30.39	76.06	-103.59	128.52	306
MMa	57.3	94.35	-8.41	110.97	328
NMa	0.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCE	39.92	58.74	27.99	65.07	25
CE	81.26	-2.88	71.56	71.62	92
BCE	52.23	-42.41	13.6	44.55	162
GCe	30.57	1.41	-46.46	46.49	272

% Umfang  
 $u^*_{rel} = 158$   
 % Regularität  
 $g^*_{rel} = 20$   
 $g^*_{Crel} = 37$

relative Inform. Technology (IT)  
 olv3\* 1.0 0.5 0.5 (1.0)  
 cmy2\* 0.0 0.5 0.5 (0.0)  
 olv4\* 1.0 0.5 0.5 0.5  
 cmy4\* 0.0 0.5 0.5 0.0  
 standard and adapted CIELAB  
 LAB\*LAB 72.95 38.45 32.27  
 LAB\*LABa 72.95 38.45 32.27  
 LAB\*TCHe 75.0 50.2 40.0

relative CIELAB lab\*  
 lab\*lab 0.765 0.383 0.321  
 lab\*ch 0.75 0.5 0.111  
 lab\*nch 0.0 0.5 0.111  
 relative Natural Colour (NC)  
 lab\*lrj 0.765 0.471 0.167  
 lab\*lrc 0.75 0.5 0.054  
 lab\*nrc 0.0 0.5 0.211

relative Inform. Technology (IT)  
 olv3\* 0.5 0.0 0.0 (1.0)  
 cmy2\* 0.5 1.0 1.0 (0.0)  
 olv4\* 1.0 0.5 0.5 0.5  
 cmy4\* 0.0 0.5 0.5 0.5  
 standard and adapted CIELAB  
 LAB\*LAB 25.26 38.45 32.27  
 LAB\*LABa 25.01 30.2 40.0

relative CIELAB lab\*  
 lab\*lab 0.265 0.383 0.321  
 lab\*ch 0.25 0.5 0.111  
 lab\*nch 0.5 1.0 0.111  
 relative Natural Colour (NC)  
 lab\*lrj 0.265 0.471 0.167  
 lab\*lrc 0.75 0.5 0.054  
 lab\*nrc 0.5 0.5 0.211

$n^* = 0.00$

RG100-7, 3 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

3 stufige Reihen für konstanten CIELAB Buntton 40/360 = 0.111 (rechts)

BAM-Prüfvorlage RG10; Farbmetrik-Systeme ORS18 & TLS00 input: *olv\* setrgcolor*

A: 2 Koordinatendaten; 3 stufige Farbreihen für 10 Bunttöne output: *olv\* setrgcolor /w\* setgray*

BAM-Registrierung: 20060101-RG10/L10G00F1.PS/TXT  
 Anwendung für Beurteilung und Messung von Drucker- oder Monitorystemen  
 RG10/ Form 110, Seite 11, Seite 1  
 BAM-Material-Code=matda