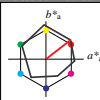


**Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18**

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

D50: Buntton O  
 LCH\*Ma: 48 82 38  
 olv\*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit  $l^*$



%Umfang  
 $u^*_{rel} = 94$   
 %Regularität  
 $g^*_{C,rel} = 65$   
 $g^*_{C,rel} = 60$

**ORS18; adaptierte CIELAB-Daten**

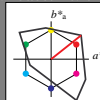
$L^*$	$a^*$	$b^*$	$C^*_{ab}$	$h^*_{ab}$	
O <sub>Ma</sub>	47.94	65.05	50.54	82.38	38
Y <sub>Ma</sub>	91.0	-4.72	90.58	90.7	93
L <sub>Ma</sub>	50.9	-63.18	34.98	72.22	151
C <sub>Ma</sub>	56.99	-39.34	-48.1	62.16	231
V <sub>Ma</sub>	25.72	30.89	-44.4	54.09	305
M <sub>Ma</sub>	49.99	75.76	-4.64	75.9	356
N <sub>Ma</sub>	18.09	0.0	0.0	0.0	0
W <sub>Ma</sub>	95.46	0.0	0.0	0.0	0
R <sub>CEI</sub>	41.88	61.66	30.69	68.88	26
J <sub>CEI</sub>	81.97	2.02	67.79	67.82	88
G <sub>CEI</sub>	51.62	-41.32	9.74	42.46	167
B <sub>CEI</sub>	29.2	-5.79	-49.61	49.96	263

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

für Buntton  $h^* = lab^*h = 38/360 = 0.107$   
 $lab^*ch$  und  $lab^*nch$

D50: Buntton O  
 LCH\*Ma: 54 101 38  
 olv\*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit  $l^*$



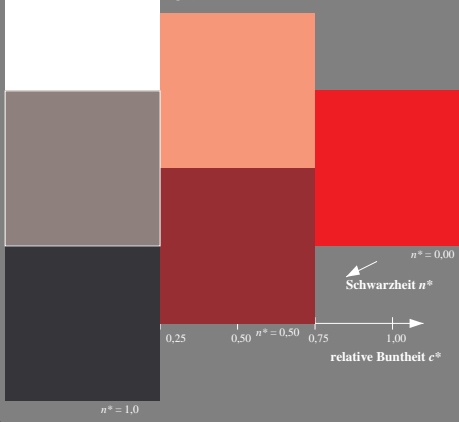
%Umfang  
 $u^*_{rel} = 156$   
 %Regularität  
 $g^*_{C,rel} = 26$   
 $g^*_{C,rel} = 45$

**TLS00; adaptierte CIELAB-Daten**

$L^*$	$a^*$	$b^*$	$C^*_{ab}$	$h^*_{ab}$	
O <sub>Ma</sub>	54.19	79.36	63.0	101.33	38
Y <sub>Ma</sub>	93.44	-14.18	82.59	83.8	100
L <sub>Ma</sub>	82.82	-83.73	70.41	109.41	140
C <sub>Ma</sub>	85.22	-55.9	-15.78	58.1	196
V <sub>Ma</sub>	25.61	67.05	-108.87	127.87	302
M <sub>Ma</sub>	58.76	91.18	-53.69	105.82	330
N <sub>Ma</sub>	0.0	0.0	0.0	0.0	0
W <sub>Ma</sub>	95.41	0.0	0.0	0.0	0
R <sub>CEI</sub>	41.88	62.0	31.82	69.69	27
J <sub>CEI</sub>	81.97	1.81	71.59	71.61	89
G <sub>CEI</sub>	51.62	-41.11	11.52	42.7	164
B <sub>CEI</sub>	29.2	-5.27	-49.33	49.62	264

Siehe ähnliche Dateien: <http://www.ps.bam.de/QG00/>  
 Technische Information: <http://www.ps.bam.de> Version 2.1, io=0-0

BAM-Registrierung: 20060101-QG00/L00G00N1.PS/TEXT  
 Anwendung für Beurteilung und Messung von Drucker- oder Monitorssystemen  
 BAM-Material-Code=mathta  
 ©2006 Fraunhofer ILT, Seite 1



**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*Lab	95.41	0.0	0.0
LAB*TCHa	99.99	0.01	-

**relative CIELAB lab\***

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

**relative Natural Colour (NC)**

lab*lrj	1.0	0.0	0.0
lab*lce	1.0	0.0	-
lab*nce	0.0	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	74.79	39.67	31.49
LAB*Lab	74.79	39.67	31.49
LAB*TCHa	75.0	50.65	38.44

**relative CIELAB lab\***

lab*lab	0.784	0.392	0.311
lab*ch	0.75	0.5	0.107
lab*nch	0.5	0.5	0.107
lab*lrj	0.784	0.479	0.142
lab*lce	0.75	0.5	0.046
lab*nce	0.5	0.5	0.181

**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	54.19	79.34	62.99
LAB*Lab	54.19	79.34	62.99
LAB*TCHa	50.0	101.33	38.44

**relative CIELAB lab\***

lab*lab	0.568	0.783	0.622
lab*ch	0.5	1.0	0.107
lab*nch	0.0	1.0	0.107

**relative Natural Colour (NC)**

lab*lrj	0.568	0.958	0.285
lab*lce	0.5	1.0	0.046
lab*nce	0.0	1.0	0.181

**relative Inform. Technology (IT)**

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

**standard and adapted CIELAB**

LAB*LAB	47.72	0.0	0.0
LAB*Lab	47.72	0.0	0.0
LAB*TCHa	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*lce	0.5	0.0	-
lab*nce	0.5	0.0	-

**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	1.0
cmyn4*	0.0	0.5	0.5	0.5

**standard and adapted CIELAB**

LAB*LAB	27.1	39.67	31.49
LAB*Lab	27.1	39.67	31.49
LAB*TCHa	25.01	50.65	38.44

**relative CIELAB lab\***

lab*lab	0.284	0.392	0.311
lab*ch	0.25	0.5	0.107
lab*nch	0.5	0.5	0.107
lab*lrj	0.284	0.479	0.142
lab*lce	0.25	0.5	0.046
lab*nce	0.5	0.5	0.181

**relative Inform. Technology (IT)**

olvi2*	0.0	0.0	0.0	(1.0)
cmyn2*	1.0	1.0	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmyn4*	0.0	0.0	0.0	1.0

**standard and adapted CIELAB**

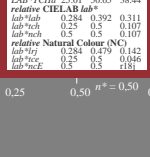
LAB*LAB	0.03	0.0	0.0
LAB*Lab	0.03	0.0	0.0
LAB*TCHa	0.01	0.01	-

**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	-

**relative Natural Colour (NC)**

lab*lrj	0.0	0.0	0.0
lab*lce	0.0	0.0	-
lab*nce	1.0	0.0	-



©2000-7, 3 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

3 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.107 (rechts)

BAM-Prüfvorlage QG00; Farbmetrik-Systeme ORS18 & TLS00 input:  $cmY0^* setcmykcolor$   
 D50: 3stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: no change compared to input