

**Input: Colorimetric Offset Reflective System ORS18**

for hue  $h^* = lab^*h = 38/360 = 0.105$   
 $lab^*tch$  and  $lab^*nch$

D65: hue O  
 LCH\*Ma: 48 83 38  
 olv\*Ma: 1.0 0.0 0.0

triangle lightness  $l^*$



%Gamut  
 $u^*_{rel} = 93$   
 %Regularity  
 $g^*_{C,rel} = 57$   
 $g^*_{C,rel} = 59$

**ORS18; adapted (a) CIELAB data**

	$L^*_{ab}$	$a^*_{ab}$	$b^*_{ab}$	$C^*_{ab}$	$h^*_{ab}$
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>CE</sub>	39.92	58.66	26.98	64.57	25
J <sub>CE</sub>	81.26	-2.16	67.76	67.79	92
G <sub>CE</sub>	52.23	-42.25	11.76	43.87	164
B <sub>CE</sub>	30.57	1.15	-46.84	46.86	271

standard and adapted CIELAB  
 $LAB^*LAB$  95.41 0.0 0.0  
 $LAB^*LAb_a$  95.41 0.0 0.0  
 $LAB^*TCh_a$  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)  
 $lab^*l^*r_j$  1.0 0.0 0.0  
 $lab^*t^*c_e$  1.0 0.0 -  
 $lab^*n^*c_e$  0.0 0.0 -

standard and adapted CIELAB  
 $LAB^*LAB$  72.95 38.45 32.27  
 $LAB^*LAb_a$  72.95 38.45 32.27  
 $LAB^*TCh_a$  75.0 50.2 40.0

relative CIELAB lab\*  
 $lab^*lab$  0.765 0.383 0.321  
 $lab^*tch$  0.75 0.5 0.111  
 $lab^*nch$  0.5 0.5 0.111

relative Natural Colour (NC)  
 $lab^*l^*r_j$  0.765 0.471 0.167  
 $lab^*t^*c_e$  0.75 0.5 0.054  
 $lab^*n^*c_e$  0.0 0.5 0.211

standard and adapted CIELAB  
 $LAB^*LAB$  50.0 0.0 0.0  
 $LAB^*LAb_a$  50.0 0.0 0.0  
 $LAB^*TCh_a$  50.0 0.0 0.0

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

relative Natural Colour (NC)  
 $lab^*l^*r_j$  0.5 0.0 0.0  
 $lab^*t^*c_e$  0.5 0.0 -  
 $lab^*n^*c_e$  0.5 0.0 -

standard and adapted CIELAB  
 $LAB^*LAB$  0.03 0.0 0.0  
 $LAB^*LAb_a$  0.03 0.0 0.0  
 $LAB^*TCh_a$  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)  
 $lab^*l^*r_j$  0.0 0.0 0.0  
 $lab^*t^*c_e$  0.0 0.0 -  
 $lab^*n^*c_e$  1.0 0.0 -

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)  
 $lab^*l^*r_j$  0.0 0.0 0.0  
 $lab^*t^*c_e$  0.0 0.0 -  
 $lab^*n^*c_e$  1.0 0.0 -

**Output: Colorimetric Television Luminous System TLS00**

for hue  $h^* = lab^*h = 40/360 = 0.111$   
 $lab^*tch$  and  $lab^*nch$

D65: hue O  
 LCH\*Ma: 51 100 40  
 olv\*Ma: 1.0 0.0 0.0

triangle lightness  $l^*$



%Gamut  
 $u^*_{rel} = 158$   
 %Regularity  
 $g^*_{C,rel} = 20$   
 $g^*_{C,rel} = 37$

**TLS00; adapted (a) CIELAB data**

	$L^*_{ab}$	$a^*_{ab}$	$b^*_{ab}$	$C^*_{ab}$	$h^*_{ab}$
O <sub>Ma</sub>	50.5	76.92	64.55	100.42	40
Y <sub>Ma</sub>	92.66	-20.69	90.75	93.08	103
L <sub>Ma</sub>	83.63	-82.75	79.9	115.04	136
C <sub>Ma</sub>	86.88	-46.16	-13.55	48.12	196
V <sub>Ma</sub>	30.39	76.06	-103.59	128.52	306
M <sub>Ma</sub>	57.3	94.35	-58.41	110.97	328
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>CE</sub>	39.92	58.74	27.99	65.07	25
J <sub>CE</sub>	81.26	-2.88	71.56	71.62	92
G <sub>CE</sub>	52.23	-42.41	13.6	44.55	162
B <sub>CE</sub>	30.57	1.41	-46.46	46.49	272

standard and adapted CIELAB  
 $LAB^*LAB$  95.41 0.0 0.0  
 $LAB^*LAb_a$  95.41 0.0 0.0  
 $LAB^*TCh_a$  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)  
 $lab^*l^*r_j$  1.0 0.0 0.0  
 $lab^*t^*c_e$  1.0 0.0 -  
 $lab^*n^*c_e$  0.0 0.0 -

standard and adapted CIELAB  
 $LAB^*LAB$  72.95 38.45 32.27  
 $LAB^*LAb_a$  72.95 38.45 32.27  
 $LAB^*TCh_a$  75.0 50.2 40.0

relative CIELAB lab\*  
 $lab^*lab$  0.765 0.383 0.321  
 $lab^*tch$  0.75 0.5 0.111  
 $lab^*nch$  0.5 0.5 0.111

relative Natural Colour (NC)  
 $lab^*l^*r_j$  0.765 0.471 0.167  
 $lab^*t^*c_e$  0.75 0.5 0.054  
 $lab^*n^*c_e$  0.0 0.5 0.211

standard and adapted CIELAB  
 $LAB^*LAB$  50.0 0.0 0.0  
 $LAB^*LAb_a$  50.0 0.0 0.0  
 $LAB^*TCh_a$  50.0 0.0 0.0

relative CIELAB lab\*  
 $lab^*lab$  0.529 0.766 0.643  
 $lab^*tch$  0.5 1.0 0.111  
 $lab^*nch$  0.0 1.0 0.111

relative Natural Colour (NC)  
 $lab^*l^*r_j$  0.529 0.942 0.335  
 $lab^*t^*c_e$  0.5 1.0 0.054  
 $lab^*n^*c_e$  0.0 1.0 0.211

standard and adapted CIELAB  
 $LAB^*LAB$  25.26 38.45 32.27  
 $LAB^*LAb_a$  25.26 38.45 32.27  
 $LAB^*TCh_a$  25.01 50.2 40.0

relative CIELAB lab\*  
 $lab^*lab$  0.265 0.383 0.321  
 $lab^*tch$  0.25 0.5 0.111  
 $lab^*nch$  0.5 0.5 0.111

relative Natural Colour (NC)  
 $lab^*l^*r_j$  0.265 0.471 0.167  
 $lab^*t^*c_e$  0.25 0.5 0.054  
 $lab^*n^*c_e$  0.5 0.5 0.211

See for similar files: <http://www.ps.bam.de/OE00/>  
 Technical information: <http://www.ps.bam.de>  
 Version 2.1, io=0-0

BAM registration: 20060101-OE00/LO0E00N1.PS/.TXT  
 application for evaluation and measurement of printer or monitor systems  
 BAM material: code=ha4ta

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