

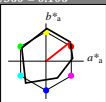
See for similar files: <http://www.ps.bam.de/RE10/>  
 Technical information: <http://www.ps.bam.de/> Version 2.1, io=1,1

**Input: Colorimetric Offset Reflective System ORS18**

for hue  $h^* = lab^*h = 38/360 = 0.106$   
 $lab^*tch$  and  $lab^*nch$

A: hue O  
 LCH\*Ma: 48 82 38  
 olv\*Ma: 1.0 0.0 0.0

triangle lightness  $l^*$



% Gamut

$u^*_{rel} = 96$

% Regularity

$g^*_{Hrel} = -385$

$g^*_{Crel} = 62$

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
cmv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmv4*	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*nce	1.0	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.5	(1.0)
cmv3*	0.0	0.5	0.5	(0.0)
olv4*	1.0	0.5	0.5	(1.0)
cmv4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	71.77	32.86	28.26	
LAB*LABa	71.77	32.2	25.28	
LAB*TCha	75.0	40.94	38.14	

relative CIELAB lab\*

lab*lab	0.692	0.393	0.309	
lab*tch	0.75	0.5	0.106	
lab*nch	0.0	0.5	0.106	

relative Natural Colour (NC)

lab*lrj	0.692	0.496	0.064	
lab*nce	0.75	0.5	0.02	
lab*nce	0.0	0.5	0.08	

relative Inform. Technology (IT)

olv3*	0.5	0.5	0.5	(1.0)
cmv3*	0.5	0.5	0.5	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmv4*	0.0	0.0	0.0	(0.0)
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*nce	0.5	0.0	-	
lab*nce	0.5	0.0	-	

relative Inform. Technology (IT)

olv3*	0.5	0.0	0.0	(1.0)
cmv3*	0.5	1.0	1.0	(0.0)
olv4*	1.0	0.5	0.5	(1.0)
cmv4*	0.0	0.5	0.5	(0.0)
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	0.0	0.5	0.106	

relative Natural Colour (NC)

lab*lrj	0.193	0.496	0.064	
lab*nce	0.25	0.5	0.02	
lab*nce	0.0	0.5	0.08	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
cmv3*	1.0	1.0	1.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmv4*	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	0.0	0.0	-	

relative Natural Colour (NC)

lab*lrj	0.0	0.0	0.0	
lab*nce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
cmv3*	1.0	1.0	1.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmv4*	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	0.0	0.0	-	

relative Natural Colour (NC)

lab*lrj	0.0	0.0	0.0	
lab*nce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

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

$L^*a^*b^*$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$	
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	50.02	72.81	151
CMa	51.25	-53.68	-57.69	78.82	227
VMa	25.72	30.34	-44.37	53.76	204
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
BCIE	49.0	-36.83	2.78	36.95	176
GCP	25.14	-18.35	-56.22	59.15	252

relative Inform. Technology (IT)

olv3*	1.0	0.0	0.0	(1.0)
cmv3*	0.5	0.5	0.5	(0.0)
olv4*	1.0	0.0	0.0	(1.0)
cmv4*	0.0	0.0	0.0	(0.0)
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*nce	0.5	1.0	0.02	
lab*nce	0.0	1.0	0.08	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
cmv3*	1.0	1.0	1.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmv4*	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	0.0	0.0	-	

relative Natural Colour (NC)

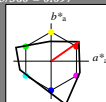
lab*lrj	0.0	0.0	0.0	
lab*nce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

**Output: Colorimetric Television Luminous System TLS00**

for hue  $h^* = lab^*h = 35/360 = 0.097$   
 $lab^*tch$  and  $lab^*nch$

A: hue O  
 LCH\*Ma: 66 90 35  
 olv\*Ma: 1.0 0.0 0.0

triangle lightness  $l^*$



% Gamut

$u^*_{rel} = 141$

% Regularity

$g^*_{Hrel} = 39$

$g^*_{Crel} = 43$

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
cmv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmv4*	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*nce	1.0	0.0	-	
lab*nce	0.0	0.0	-	

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.5	(1.0)
cmv3*	0.5	0.5	0.5	(0.0)
olv4*	1.0	0.5	0.5	(1.0)
cmv4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	47.72	0.0	0.0	
LAB*LABa	47.72	0.0	0.0	
LAB*TCha	50.0	0.0	-	

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*nce	0.5	0.0	-	
lab*nce	0.5	0.0	-	

relative Inform. Technology (IT)

olv3*	0.5	0.5	0.5	(1.0)
cmv3*	0.5	0.5	0.5	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmv4*	0.0	0.0	0.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	47.72	0.0	0.0	
LAB*LABa	47.72	0.0	0.0	
LAB*TCha	50.0	0.0	-	

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*nce	0.5	0.0	-	
lab*nce	0.5	0.0	-	

relative Inform. Technology (IT)

olv3*	0.5	0.0	0.0	(1.0)
cmv3*	0.5	1.0	1.0	(0.0)
olv4*	1.0	0.5	0.5	(1.0)
cmv4*	0.0	0.5	0.5	(0.0)
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	0.843	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*nce	0.75	0.5	0.002	
lab*nce	0.0	0.5	0.03	

relative Inform. Technology (IT)

olv3*	0.5	0.0	0.0	(1.0)
cmv3*	0.5	1.0	1.0	(0.0)
olv4*	1.0	0.5	0.5	(1.0)
cmv4*	0.0	0.5	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	0.344	0.409	0.287	
LAB*LABa	0.344	0.409	0.287	
LAB*TCha	0.01	0.01	-	

relative CIELAB lab\*

lab*lab	0.344	0.409	0.287	
lab*tch	0.25	0.5	0.097	
lab*nch	0.0	0.5	0.097	

relative Natural Colour (NC)

lab*lrj	0.344	0.5	0.007	
lab*nce	0.25	0.5	0.002	
lab*nce	0.0	0.5	0.03	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
cmv3*	1.0	1.0	1.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
cmv4*	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	0.0	0.0	-	

relative Natural Colour (NC)

lab*lrj	0.0	0.0	0.0	
lab*nce	0.0	0.0	-	
lab*nce	0.0	0.0	-	

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

$L^*a^*b^*$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$	
OMa	65.56	73.34	51.39	89.55	35
YMa	94.78	-3.49	52.24	52.36	94
LMa	74.48	-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					