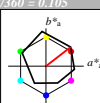


Input: Colorimetric Offset Reflective System ORS18

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

D50: hue O
 LCH*Ma: 48 83 38
 olv*Ma: 1.0 0.0 0.0

triangle lightness l^*



ORS18; adapted (a) CIELAB data

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	54.53	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
RCE13992	58.66	26.98	64.57	25	
JCI1	81.26	-2.16	67.76	67.79	92
B_CIE123	-42.25	11.76	43.87	164	
G_CIE3057	1.15	-46.84	46.86	271	

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

relative Inform. Technology (IT)
 $olv^{i*} = 1.0$ 1.0 1.0 (1.0)
 $cmyn^{i*} = 0.0$ 0.0 0.0 (0.0)
 $olv^{iv*} = 1.0$ 1.0 1.0 (1.0)
 $cmyn^{iv*} = 0.0$ 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*
 $lab^*lab = 1.0$ 0.5 0.0 0.0
 $lab^*tch = 1.0$ 0.0 0.0 -

relative Natural Colour (NC)
 $lab^*l^*r = 1.0$ 0.0 0.0
 $lab^*t^*c = 1.0$ 0.0 0.0 -

standard and adapted CIELAB
 LAB*LAB 56.71 -0.24 2.14
 LAB*LABa 56.71 0.0 0.0
 LAB*TCHe 50.0 0.0 0.0
 relative CIELAB lab*
 $lab^*lab = 0.5$ 0.0 0.0
 $lab^*tch = 0.5$ 0.0 0.0 -

relative Natural Colour (NC)
 $lab^*l^*r = 0.5$ 0.0 0.0
 $lab^*t^*c = 0.5$ 0.0 0.0 -

relative Inform. Technology (IT)
 $olv^{i*} = 0.0$ 0.0 1.0 (1.0)
 $cmyn^{i*} = 1.0$ 1.0 1.0 (0.0)
 $olv^{iv*} = 1.0$ 1.0 1.0 (1.0)
 $cmyn^{iv*} = 0.0$ 0.0 0.0 (0.0)
 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
 $lab^*tch = 0.0$ 0.0 0.0 -

relative Inform. Technology (IT)
 $olv^{i*} = 1.0$ 0.5 0.5 (1.0)
 $cmyn^{i*} = 0.0$ 0.5 0.5 (0.0)
 $olv^{iv*} = 1.0$ 0.5 0.5 (1.0)
 $cmyn^{iv*} = 0.0$ 0.5 0.5 (0.0)
 standard and adapted CIELAB
 LAB*LAB 71.67 32.15 28.41
 LAB*LABa 71.67 32.69 33.25
 LAB*TCHe 75.0 41.31 37.69

relative CIELAB lab*
 $lab^*lab = 0.693$ 0.396 0.306
 $lab^*tch = 0.75$ 0.5 0.105
 $lab^*nch = 0.0$ 0.5 0.105

relative Natural Colour (NC)
 $lab^*l^*r = 0.693$ 0.477 0.15
 $lab^*t^*c = 0.75$ 0.5 0.048
 $lab^*n^*c = 0.0$ 0.5 0.191

relative Inform. Technology (IT)
 $olv^{i*} = 0.5$ 0.0 0.0 (1.0)
 $cmyn^{i*} = 0.5$ 1.0 1.0 (0.0)
 $olv^{iv*} = 0.5$ 0.0 0.5 (0.5)
 $cmyn^{iv*} = 0.0$ 0.5 0.5 (0.5)
 standard and adapted CIELAB
 LAB*LAB 32.98 32.9 25.8
 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
 $lab^*tch = 0.25$ 0.5 0.105
 $lab^*nch = 0.0$ 0.5 0.105

relative Natural Colour (NC)
 $lab^*l^*r = 0.193$ 0.477 0.15
 $lab^*t^*c = 0.25$ 0.5 0.048
 $lab^*n^*c = 0.0$ 0.5 0.191

relative Inform. Technology (IT)
 $olv^{i*} = 1.0$ 0.0 1.0 (1.0)
 $cmyn^{i*} = 1.0$ 0.0 1.0 (0.0)
 $olv^{iv*} = 1.0$ 0.0 1.0 (0.5)
 $cmyn^{iv*} = 0.0$ 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 82.61 37.69

relative CIELAB lab*
 $lab^*lab = 0.387$ 0.791 0.611
 $lab^*tch = 0.5$ 1.0 0.105
 $lab^*nch = 0.0$ 1.0 0.105

relative Natural Colour (NC)
 $lab^*l^*r = 0.387$ 0.554 0.299
 $lab^*t^*c = 0.5$ 1.0 0.048
 $lab^*n^*c = 0.0$ 1.0 0.191

relative Inform. Technology (IT)
 $olv^{i*} = 0.0$ 0.0 1.0 (1.0)
 $cmyn^{i*} = 1.0$ 1.0 1.0 (0.0)
 $olv^{iv*} = 1.0$ 1.0 1.0 (1.0)
 $cmyn^{iv*} = 0.0$ 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*TCHe 0.01 0.01 -

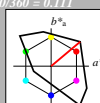
relative CIELAB lab*
 $lab^*lab = 0.0$ 0.0 0.0
 $lab^*tch = 0.0$ 0.0 0.0 -

Output: Colorimetric Television Luminous System TLS00

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

D50: hue O
 LCH*Ma: 51 100 40
 olv*Ma: 1.0 0.0 0.0

triangle lightness l^*



TLS00; adapted (a) CIELAB data

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	-58.41	110.97	328
NMa	0.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCE13992	58.74	27.99	65.07	25	
JCI1	81.26	-2.88	71.56	71.62	92
B_CIE123	-42.41	13.64	44.55	162	
G_CIE3057	1.41	-46.46	46.49	272	

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

relative Inform. Technology (IT)
 $olv^{i*} = 1.0$ 1.0 1.0 (1.0)
 $cmyn^{i*} = 0.0$ 0.0 0.0 (0.0)
 $olv^{iv*} = 1.0$ 1.0 1.0 (1.0)
 $cmyn^{iv*} = 0.0$ 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
 $lab^*tch = 1.0$ 0.0 0.0 -

relative Natural Colour (NC)
 $lab^*l^*r = 1.0$ 0.0 0.0
 $lab^*t^*c = 0.0$ 0.0 0.0 -

relative Inform. Technology (IT)
 $olv^{i*} = 0.5$ 0.5 0.5 (1.0)
 $cmyn^{i*} = 0.5$ 0.5 0.5 (0.0)
 $olv^{iv*} = 1.0$ 1.0 1.0 (0.5)
 $cmyn^{iv*} = 0.0$ 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 0.0 0.0

relative CIELAB lab*
 $lab^*lab = 0.5$ 0.0 0.0
 $lab^*tch = 0.5$ 0.0 0.0 -

relative Natural Colour (NC)
 $lab^*l^*r = 0.5$ 0.0 0.0
 $lab^*t^*c = 0.5$ 0.0 0.0 -

relative Inform. Technology (IT)
 $olv^{i*} = 0.0$ 0.0 1.0 (1.0)
 $cmyn^{i*} = 1.0$ 1.0 1.0 (0.0)
 $olv^{iv*} = 1.0$ 1.0 1.0 (1.0)
 $cmyn^{iv*} = 0.0$ 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*TCHe 0.01 0.01 -

relative CIELAB lab*
 $lab^*lab = 0.0$ 0.0 0.0
 $lab^*tch = 0.0$ 0.0 0.0 -

relative Inform. Technology (IT)
 $olv^{i*} = 1.0$ 0.5 0.5 (1.0)
 $cmyn^{i*} = 0.0$ 0.5 0.5 (0.0)
 $olv^{iv*} = 1.0$ 0.5 0.5 (1.0)
 $cmyn^{iv*} = 0.0$ 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
 $lab^*tch = 0.75$ 0.5 0.111
 $lab^*nch = 0.0$ 0.5 0.111

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

relative Inform. Technology (IT)
 $olv^{i*} = 0.5$ 0.0 0.0 (1.0)
 $cmyn^{i*} = 0.5$ 1.0 1.0 (0.0)
 $olv^{iv*} = 1.0$ 0.5 0.5 (0.5)
 $cmyn^{iv*} = 0.0$ 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
 $lab^*tch = 0.25$ 0.5 0.111
 $lab^*nch = 0.0$ 0.5 0.111

relative Natural Colour (NC)
 $lab^*l^*r = 0.265$ 0.471 0.167
 $lab^*t^*c = 0.25$ 0.5 0.054
 $lab^*n^*c = 0.0$ 0.5 0.211

relative Inform. Technology (IT)
 $olv^{i*} = 1.0$ 0.0 0.0 (1.0)
 $cmyn^{i*} = 0.0$ 1.0 1.0 0.0
 $olv^{iv*} = 1.0$ 0.0 1.0 0.0
 $cmyn^{iv*} = 0.0$ 1.0 1.0 0.0
 standard and adapted CIELAB
 LAB*LAB 50.5 76.9 64.54
 LAB*LABa 50.5 76.9 64.54
 LAB*TCHe 50.0 100.4 40.0

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)
 $lab^*l^*r = 0.529$ 0.942 0.335
 $lab^*t^*c = 0.5$ 1.0 0.054
 $lab^*n^*c = 0.0$ 1.0 0.211

See for similar files: <http://www.ps.bam.de/PE10/>
 Technical information: <http://www.ps.bam.de/PE10/>

BAM registration: 20060101-PE10/100/Q10E00F1.PS/TXT
 application for evaluation and measurement of printer or monitor systems
 BAM material: code=thd4ta
 PE10 Form 10, Sheet 11, Page 1
 Page count: 1

PE100-7, 3 step scales for constant CIELAB hue 38/360 = 0.105 (left)

3 step scales for constant CIELAB hue 40/360 = 0.111 (right)

BAM-test chart PE10; Colorimetric systems ORS18 & TLS00

input: $olv^* setrgbcolor$

D50: 2 coordinate data of 3 step colour scales for 10 hues

output: $olv^* setrgbcolor / w^* setgray$