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BAM registration: 20060101-RE10/L10E00F1.PS/TXT
 application for evaluation and measurement of printer or monitor systems
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 BAM material: code=thd4ta
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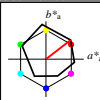
Input: Colorimetric Offset Reflective System ORS18

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

lab^*tch and lab^*nch

A: 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^*	h^*	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38	
Y _{Ma}	90.37	-10.26	91.75	92.32	96	
L _{Ma}	50.9	-62.83	34.96	71.91	151	
C _{Ma}	58.62	-30.34	-45.01	54.33	236	
V _{Ma}	25.72	31.1	-44.4	54.22	306	
M _{Ma}	48.13	75.28	-8.36	75.74	354	
N _{Ma}	18.01	0.0	0.0	0.0	0	
W _{Ma}	95.41	0.0	0.0	0.0	0	
R _{CIE}	39.92	58.66	26.98	64.57	25	
J _{CIE}	81.26	-2.16	67.76	67.79	92	
G _{CIE}	52.23	-42.25	11.76	43.87	164	
B _{CIE}	30.57	1.15	-46.84	46.86	271	

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

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 -0.98 4.75
 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 -

relative Natural Colour (NC)
 lab^*l^*rj 1.0 0.0 0.0
 lab^*t^*ce 1.0 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^* 56.71 -0.24 2.14
 LAB^*LABa 56.71 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 -

relative Natural Colour (NC)
 lab^*l^*rj 0.5 0.0 0.0
 lab^*t^*ce 0.5 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^* 18.02 0.5 -0.47
 LAB^*LABa 18.02 0.0 0.0
 LAB^*TCha 18.02 0.01 -

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^* 71.67 32.15 28.41
 LAB^*LABa 71.67 32.69 25.25
 LAB^*TCha 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^*rj 0.693 0.477 0.15
 lab^*t^*ce 0.75 0.5 0.048
 lab^*n^*ce 0.0 0.5 0.191

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^* 32.98 32.99 25.88
 LAB^*LABa 32.98 32.69 25.25
 LAB^*TCha 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^*rj 0.193 0.477 0.15
 lab^*t^*ce 0.25 0.5 0.048
 lab^*n^*ce 0.0 0.5 0.191

relative Inform. Technology (IT)
 $olv3^* = 1.0$ 0.0 0.0 (1.0)
 $cmv3^* = 0.0$ 0.0 0.0 (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 65.37 50.51
 LAB^*TCha 50.0 82.63 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^*rj 0.387 0.954 0.299
 lab^*t^*ce 0.5 1.0 0.048
 lab^*n^*ce 0.0 1.0 0.191

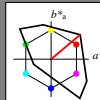
Output: Colorimetric Television Luminous System TLS00

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

lab^*tch and lab^*nch

A: 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^*	h^*	$h^*_{ab,a}$
O _{Ma}	50.5	76.92	52.00	100.42	40	
Y _{Ma}	92.66	-20.69	90.75	93.08	103	
L _{Ma}	83.63	-82.75	79.9	115.04	136	
C _{Ma}	86.88	-46.16	-13.55	48.12	196	
V _{Ma}	30.39	76.06	-103.59	128.52	306	
M _{Ma}	57.3	94.35	-58.41	110.97	328	
N _{Ma}	0.01	0.0	0.0	0.0	0	
W _{Ma}	95.41	0.0	0.0	0.0	0	
R _{CIE}	59.92	58.74	27.99	65.07	25	
J _{CIE}	81.26	-2.88	71.56	71.62	92	
G _{CIE}	52.23	-42.41	13.6	44.55	162	
B _{CIE}	30.57	1.41	-46.46	46.49	272	

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

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 -

relative Natural Colour (NC)
 lab^*l^*rj 1.0 0.0 0.0
 lab^*t^*ce 1.0 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)
 $cmv4^* = 0.0$ 0.5 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 0.01 -

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

relative Natural Colour (NC)
 lab^*l^*rj 0.5 0.0 0.0
 lab^*t^*ce 0.5 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^* 0.03 0.0 0.0
 LAB^*LABa 0.03 0.0 0.0
 LAB^*TCha 0.01 0.01 -

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^* 72.95 38.45 32.27
 LAB^*LABa 72.95 38.45 32.27
 LAB^*TCha 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^*rj 0.765 0.471 0.167
 lab^*t^*ce 0.75 0.5 0.054
 lab^*n^*ce 0.0 0.5 0.211

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^* 25.26 38.45 32.27
 LAB^*LABa 25.26 38.45 32.27
 LAB^*TCha 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 0.0 0.5 0.111

relative Natural Colour (NC)
 lab^*l^*rj 0.265 0.471 0.167
 lab^*t^*ce 0.25 0.5 0.054
 lab^*n^*ce 0.0 0.5 0.211

relative Inform. Technology (IT)
 $olv3^* = 1.0$ 0.0 0.0 (1.0)
 $cmv3^* = 0.0$ 0.0 0.0 (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^* 50.5 76.9 64.54
 LAB^*LABa 50.5 76.9 64.54
 LAB^*TCha 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^*rj 0.529 0.942 0.335
 lab^*t^*ce 0.5 1.0 0.054
 lab^*n^*ce 0.0 1.0 0.211

$n^* = 0.00$
 blackness n^*

$n^* = 0.00$
 blackness n^*

$n^* = 0.50$
 chromaticness c^*

$n^* = 0.50$
 chromaticness c^*

$n^* = 1.0$
 chromaticness c^*

$n^* = 1.0$
 chromaticness c^*

RE100-7, 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 RE10; Colorimetric systems ORS18 & TLS00 input: `olv* setrgbcolor`
 A: 2 coordinate data of 3 step colour scales for 10 hues output: `olv* setrgbcolor /w* setgray`