

BAM registration: 20060101-NE03/10S/S03E06FP.PS/.PDF BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor Systems
NE03/ Form 7/10 Serie: 1/1 Page: 7 Page count: 7

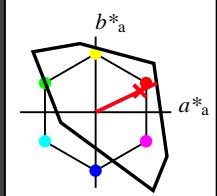
Input: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 25/360 = 0.071$
 lab^*tch and lab^*nch

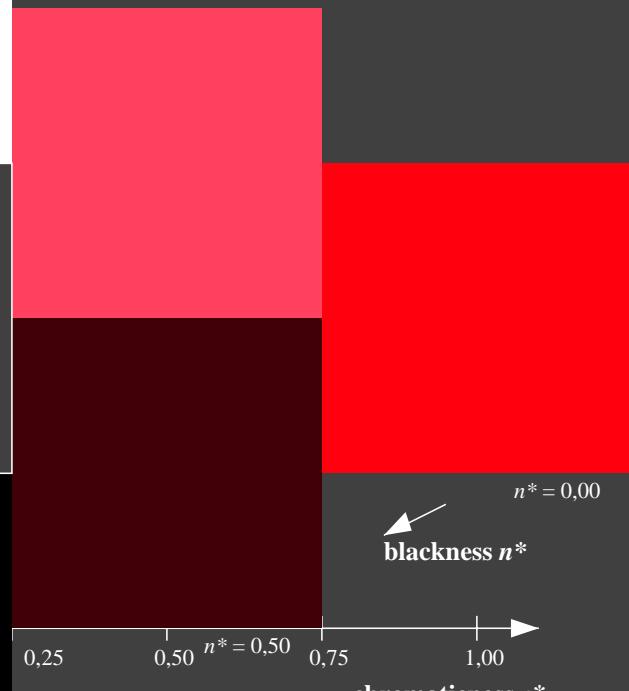
D65·hue R

LCH*Ma: 52 89 25
elv*Ma: 1 0 0 0 0 21

triangle lightness t^*



TLS00; adapted (a) CIELAB data				
$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma} 50.5	76.92	64.55	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
RCIE 39.92	58.74	27.99	65.07	25
J _{RCIE} 81.26	-2.88	71.56	71.62	92
G _{RCIE} 52.23	-42.41	13.6	44.55	162
B _{RCIE} 30.57	1.41	-46.46	46.49	272



$$n^* = 1,0$$

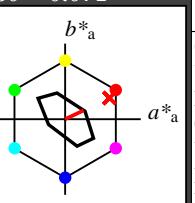
Output: Colorimetric Television Luminous System TLS70

for hue $h^* = lab^*h = 25/360 = 0.071$
 lab^*tch and lab^*nch

D65·hue

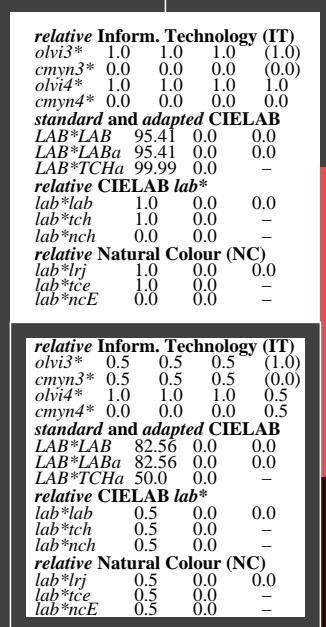
LCH*Ma: 77 27 25

triangle lightness t^*



TLS70; adapted (a) CIELAB data				
$L^* = L^*_a$	$a^* = a^*_a$	$b^* = b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma} 76.43	26.27	10.57	28.32	22
Y _{Ma} 93.93	-10.76	34.63	36.27	107
L _{Ma} 89.32	-35.8	27.64	45.24	142
C _{Ma} 90.93	-21.95	-7.07	23.07	198
V _{Ma} 72.1	15.76	-35.63	38.97	294
M _{Ma} 78.5	37.52	-25.23	45.22	326
N _{Ma} 69.7	0.0	0.0	0.0	0
W _{Ma} 95.41	0.0	0.0	0.0	0
R _{CIE} 39.92	58.74	27.99	65.07	25
J _{CIE} 81.26	-2.88	71.56	71.62	92
G _{CIE} 52.12	-42.41	13.6	44.55	162
B _{CIE} 30.57	1.41	-46.46	46.49	272

%Gamut
 $u^*_{\text{rel}} = 16$
%Regularity
 $g^*_{H,\text{rel}} = 34$
 $g^*_{C,\text{rel}} = 51$



relative Inform. Technology (IT)
$olvi3^*$ 0.0 0.0 0.0 (1.0)
$cmyn3^*$ 1.0 1.0 1.0 (0.0)
$olvi4^*$ 1.0 1.0 1.0 0.0
$cmyn4^*$ 0.0 0.0 0.0 1.0
standard and adapted CIELAB
LAB^*LAB 69.7 0.0 0.0
LAB^*LAB_a 69.7 0.0 0.0
LAB^*TCh_a 0.01 0.0 —
relative CIELAB lab*
lab^*lab 0.0 0.0 0.0
lab^*tch 0.0 0.0 0.0
lab^*ncH 1.0 0.0 —
relative Natural Colour (NC)
lab^*lri 0.0 0.0 0.0
lab^*cie 0.0 0.0 —
lab^*ncE 1.0 0.0 —

$$n^* = 1,0$$

F BAM material: code=rha4ta
onitor systems
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3 step scales for constant CIELAB hue 25/360 = 0.071 (right)

BAM-test chart NE03; Colorimetric systems TLS00 & TLS70
D65; 3 step colour scales and coordinate data for 10 hues

input: *olv** *setrgbcolor*
output: *olv** *setrgbcolor* / *w** *setgray*

