

Input: Colorimetric Television Luminous System TLS00a

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

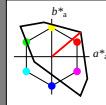
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 51 100 40

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$

TLS00a; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	50.5	76.91	64.55	100.41	40
Y_{Ma}	92.66	-20.67	90.75	93.08	103
L_{Ma}	83.62	-82.73	79.9	115.02	136
C_{Ma}	86.88	-46.14	-13.53	48.1	196
V_{Ma}	30.39	76.06	-103.59	128.52	306
M_{Ma}	57.31	94.35	-58.39	110.96	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}	39.92	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

Output: Colorimetric Television Luminous System TLS00a

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

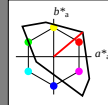
lab^*tch and lab^*nch

D65: hue O

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olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut

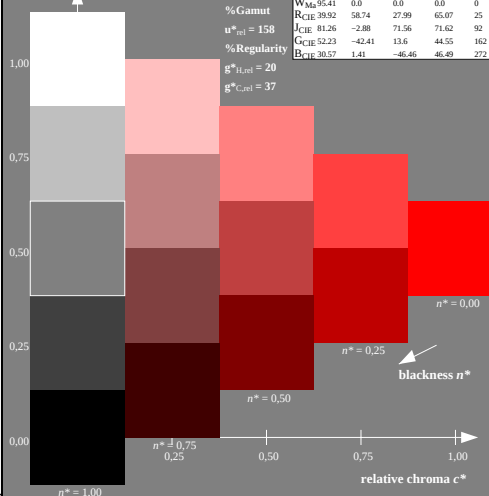
$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

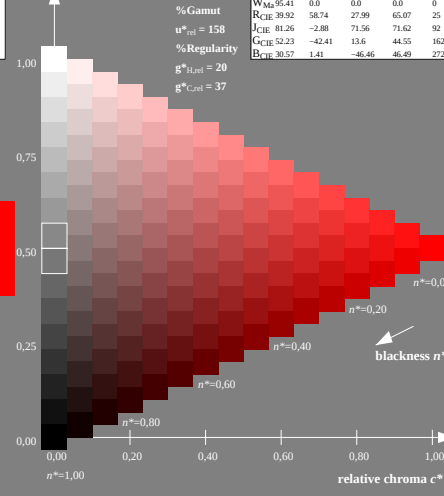
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IE390-7N, 5 step scales for constant CIELAB hue 40/360 = 0.111 (left)

TUB-test chart IE39 for visual displays, Hue O, Page 1/80
Discrimination of 5 and 16 step colour scales, TLS00a



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

input: $rgb (->olv^*)$ setrgbcolor
output: no change compared to input