

Input: Colorimetric Television Luminous System TLS18a

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

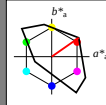
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 53 87 35

ol*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 118$

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

TLS18a; adapted (a) CIELAB data						
$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$		
O_{M_2} 52.76	71.63	49.88	87.29	35		
Y_{M_2} 92.74	-20.02	84.97	87.3	103		
L_{M_2} 84.0	-78.98	73.94	108.2	137		
C_{M_2} 87.14	-44.41	-13.11	46.32	196		
V_{M_2} 35.47	64.92	-95.06	115.12	304		
M_{M_2} 59.01	89.33	-55.67	105.26	328		
N_{M_2} 18.01	0.0	0.0	0.0	0		
W_{M_2} 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 TLS18a

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

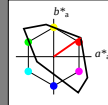
lab^*tch and lab^*nch

D65: hue O

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ol*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut

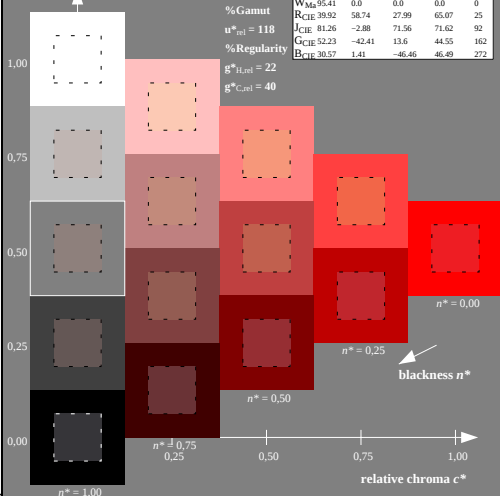
$u^*_{rel} = 118$

%Regularity

$g^*_{H,rel} = 22$

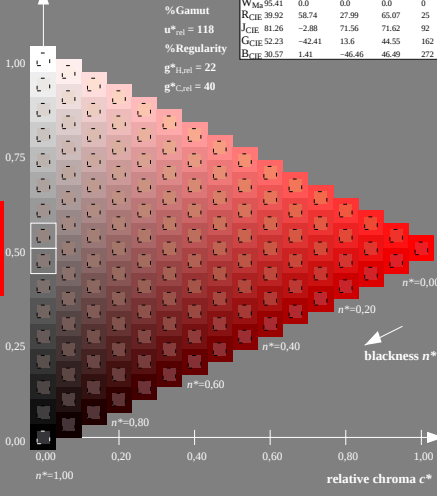
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IE440-7N, 5 step scales for constant CIELAB hue 35/360 = 0.097 (left)

TUB-test chart IE44 for visual displays, Hue O, Page 1/11
Equality for two colour definitions, TLS18a



16 step scales for constant CIELAB hue 35/360 = 0.097 (right)

input: $cmy0$ -center, rgb -background
output: no change compared to input