

See similar ISO test charts: <http://www.ps.bam.de/24705TE>, <http://www.ps.bam.de/9241E>
 Technical information: <http://www.ps.bam.de/33872E> Version 2.1, io=1,1

TUB registration: 20110801-OE82/OE82L7NP.PDF /.PS TUB material: code=rha4ta
- application for output of displays: monitor systems or data projector systems

Input: Colorimetric Television Luminous System TLS00a

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

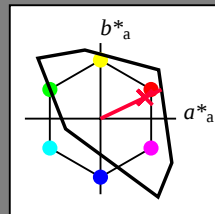
*lab*tch* and *lab*nch*

D65: hue R

LCH*Ma: 52 89 25

olv*Ma: 1.0 0.0 0.21

triangle lightness t^*



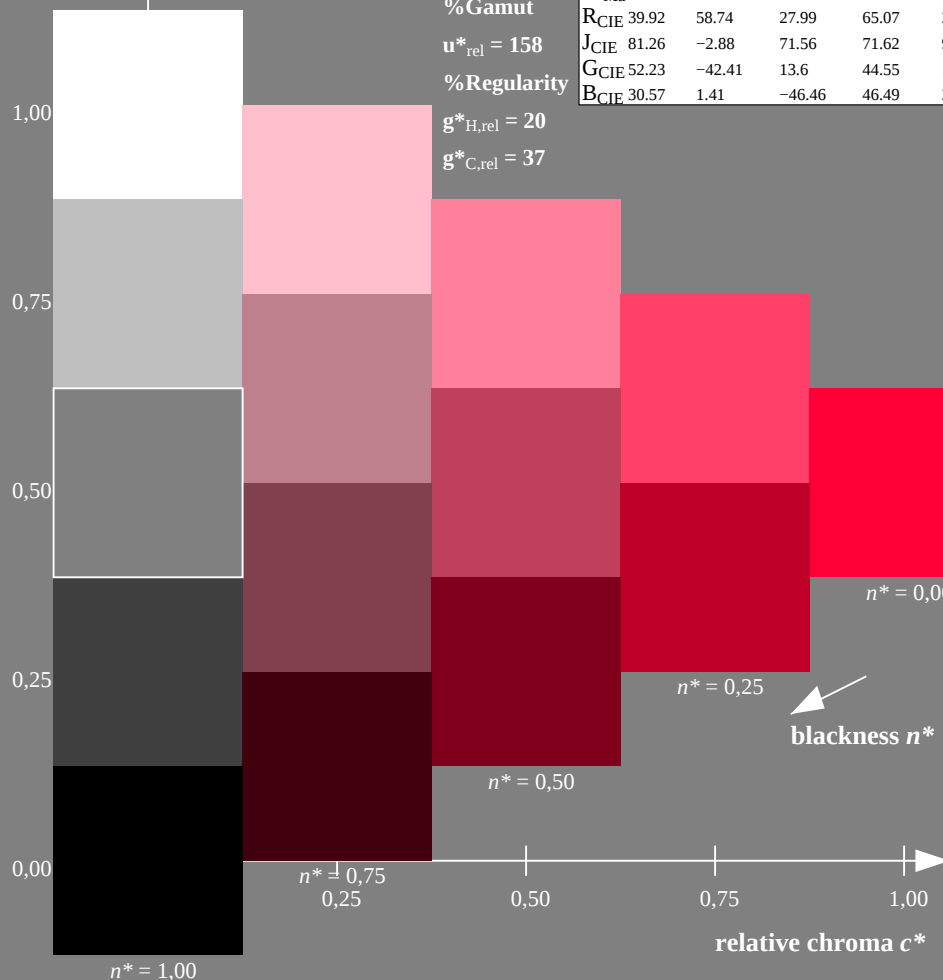
%Gamut

$$\mathbf{u}_{\text{rel}}^* = 15$$

%Regularity

$$g^*_{H,rel} = 20$$
$$g^*_{C_{rel}} = 37$$

	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
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



OE820-7N-030-6: 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

OE82: Test chart 1 according to DIN 33872-2, Hue R; DEH
Discrimination of 5 and 16 step colour scales

Output: Colorimetric Television Luminous System TLS00a

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

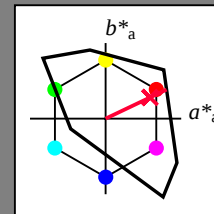
lab*tch and lab*nch

D65: hue R

LCH*Ma: 52 89 25

olv*Ma: 1.0 0.0 0.21

triangle lightness t^*



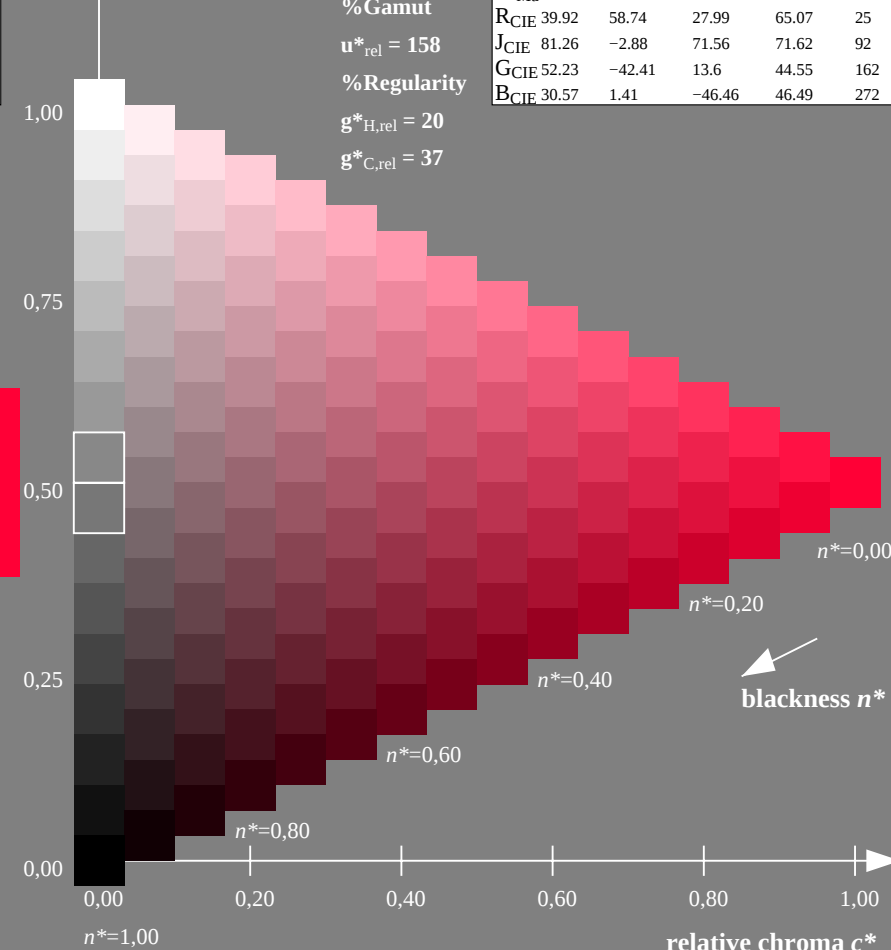
%Gamut

$$\mathbf{u}_{\text{rel}}^* = 15$$

%Regularity

$$g_{H,rel}^* = 20$$
$$g^*_{C_{rel}} = 3'$$

TLS00a; adapted (a) CIELAB data						
	L^*_{Ma}	a^*_{Ma}	b^*_{Ma}	$C^*_{ab,a}$	$h^*_{ab,a}$	
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
	R _{CIE}	39.92	58.74	27.99	65.07	25
	J _{CIE}	81.26	-2.88	71.56	71.62	92
b	G _{CIE}	52.23	-42.41	13.6	44.55	162
	B _{CIE}	30.57	1.41	-46.46	46.49	277



16 step scales for constant CIELAB hue 25/360 = 0.071 (right)

input: $rgb \rightarrow rgb^*_{de}$ setrgbcolor
output 030-6: no change