

Input: Colorimetric Television Luminous System TLS00a

for hue $h^* = lab^*h = 136/360 = 0.378$

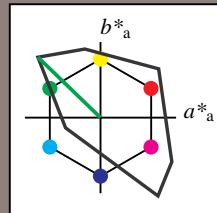
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 115 136

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



TLS00a; 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 | 308 |
| 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 |

%Gamut

$u^*_{rel} = 158$

%Regularity

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

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

Output: Colorimetric Television Luminous System TLS00a

for hue $h^* = lab^*h = 136/360 = 0.378$

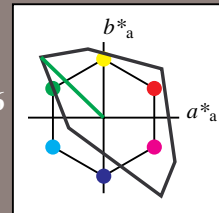
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 84 115 136

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



TLS00a; 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 | 308 |
| 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 |

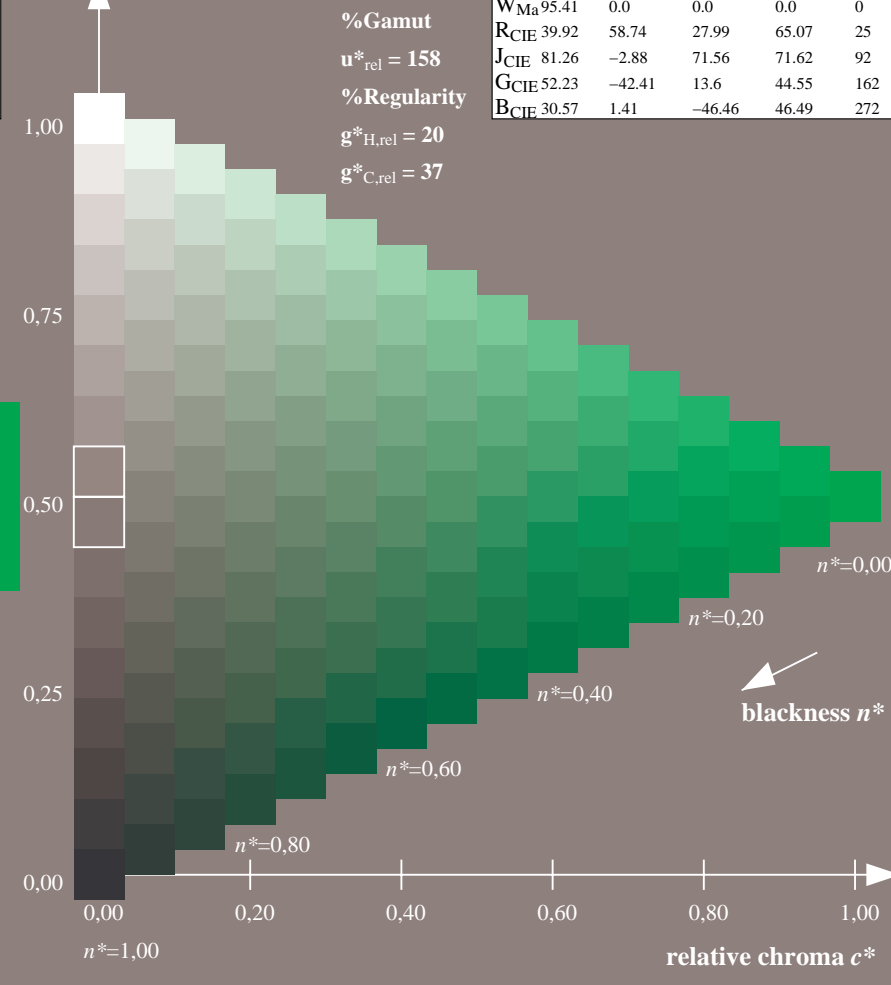
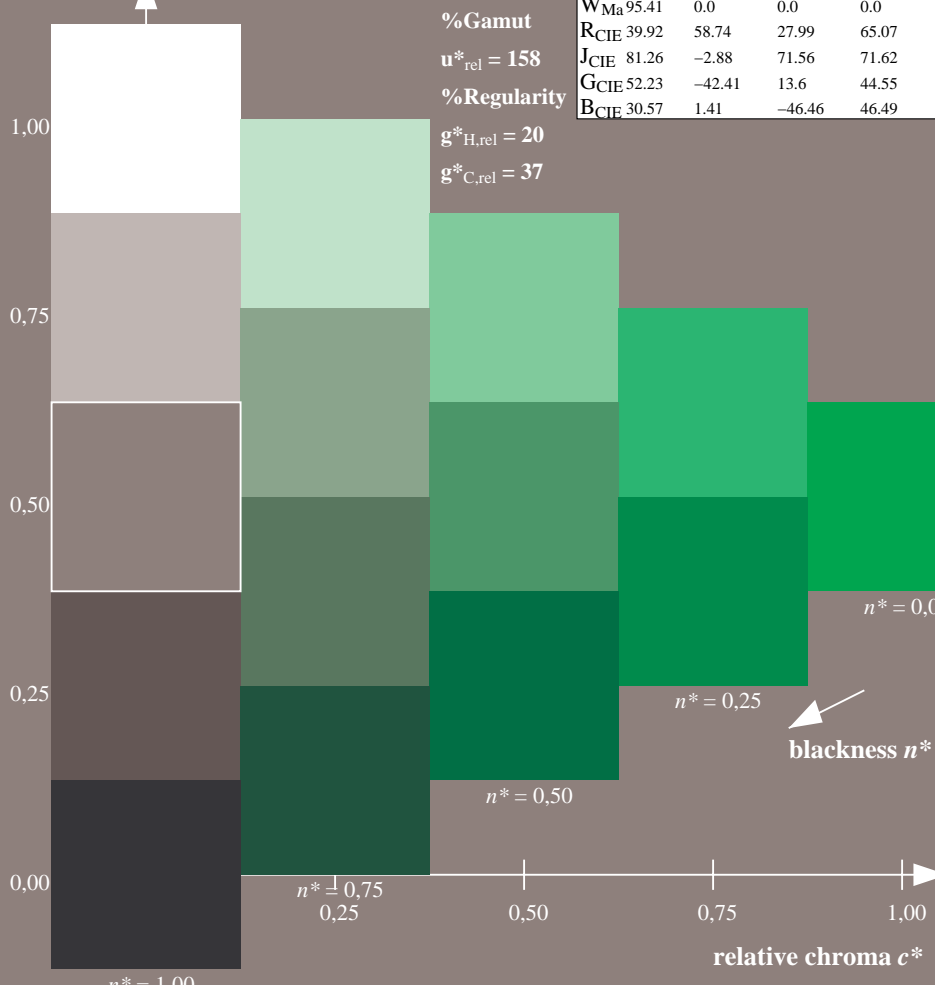
%Gamut

$u^*_{rel} = 158$

%Regularity

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

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



OE730-7N-020-2: 5 step scales for constant CIELAB hue 136/360 = 0.378 (left)

16 step scales for constant CIELAB hue 136/360 = 0.378 (right)

OE73: Test chart 2 according to DIN 33872-2, Hue L; DH
 Discrimination of 5 and 16 step colour scales

input: $cmY0$ ($\rightarrow cmY0^*_D$) $setcmyk$
 output 020-2: no change

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-OE73/OE73L3NP.PDF /.PS
 application for output of displays: monitor systems or data projector systems
 TUB material: code=rh4ta