

Input: Colorimetric Television Luminous System TLS18

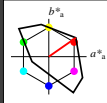
for hue $h^* = lab^*h = 35/360 = 0.097$

LAB**LCH*, LAB**NCH*

D65: hue O

LCH**Ma*: 53 87 35

olv**Ma*: 1.0 0.0 0.0



TLS18; adapted (a) CIELAB data

| $L^* - L^*_a$ | a^*_a | b^*_a | $C^*_{ab,a}$ | $h^*_{ab,a}$ | |
|---------------|---------|---------|--------------|--------------|-----|
| OMa | 52.76 | 71.63 | 49.88 | 87.29 | 35 |
| YMa | 92.74 | -20.02 | 84.97 | 87.3 | 103 |
| LMa | 84.0 | -78.98 | 73.94 | 108.2 | 137 |
| CMa | 87.14 | -44.41 | -13.11 | 46.32 | 196 |
| VMa | 35.47 | 64.92 | -95.06 | 115.12 | 304 |
| MMa | 59.01 | 89.33 | -55.67 | 105.26 | 328 |
| NMa | 18.01 | 0.0 | 0.0 | 0.0 | 0 |
| WMa | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| RCIE | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| JCIE | 81.26 | -2.88 | 71.56 | 71.62 | 92 |
| GCIE | 52.23 | -42.41 | 13.6 | 44.55 | 162 |
| BCIE | 30.57 | 1.41 | -46.46 | 46.49 | 272 |

CIELAB lightness L^*

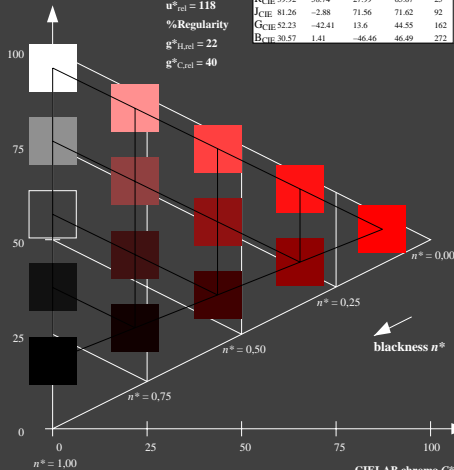
%Gamut

$u^*_{rel} = 118$

%Regularity

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

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



Output: Colorimetric Television Luminous System TLS18

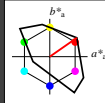
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CIELAB lightness L^*

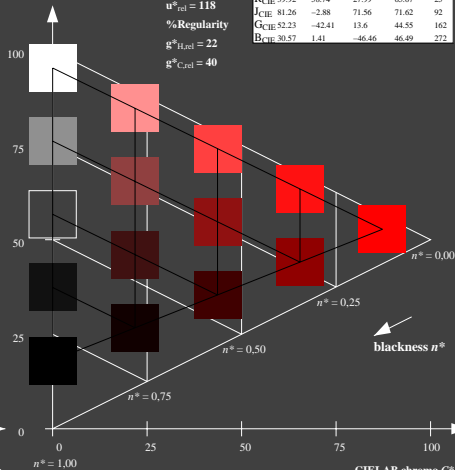
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NE39-7, 5 step scales for constant CIELAB hue 35/360 = 0.097 (left)

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

BAM-test chart NE39; Colorimetric systems TLS18 & TLS18

D65: Coordinate systems of 5 step colour scales for 10 hues

input: olv* setrgbcolor

output: olv* setrgbcolor / w* setgray