

# Input: Colorimetric Television Luminous System TLS70

for hue  $h^* = \text{lab}^*h = 22/360 = 0.061$

$\text{lab}^*tch$  and  $\text{lab}^*nch$

D65: hue O

LCH\*Ma: 76 28 22

olw\*Ma: 1.0 0.0 0.0

triangle lightness

1.00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

chromaticness  $c^*$

$n^* = 1.0$

blackness  $n^*$

5 step scales for constant CIELAB hue 22/360 = 0.061 (left)

BAM-test chart NE48; Colorimetric systems TLS70 & TLS00

D65: 5 step colour scales and coordinate data for 10 hues

input:  $\text{olw}^* \text{setrgbcolor}$

output:  $\text{olw}^* \text{setrgbcolor} / w^* \text{setgray}$

triangle lightness

1.00

%Gamut

$u^*_{rel} = 16$

%Regularity

$g^*_{H,rel} = 34$

$g^*_{C,rel} = 51$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

chromaticness  $c^*$

$n^* = 1.0$

blackness  $n^*$

5 step scales for constant CIELAB hue 22/360 = 0.061 (left)

BAM-test chart NE48; Colorimetric systems TLS70 & TLS00

D65: 5 step colour scales and coordinate data for 10 hues

input:  $\text{olw}^* \text{setrgbcolor}$

output:  $\text{olw}^* \text{setrgbcolor} / w^* \text{setgray}$

## Output: Colorimetric Television Luminous System TLS00

for hue  $h^* = \text{lab}^*h = 40/360 = 0.111$

$\text{lab}^*tch$  and  $\text{lab}^*nch$

D65: hue O

LCH\*Ma: 51 100 40

olw\*Ma: 1.0 0.0 0.0

triangle lightness

1.00

%Gamut

$u^*_{rel} = 158$

%Regularity

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

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

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

chromaticness  $c^*$

$n^* = 1.0$

blackness  $n^*$

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

BAM-test chart NE48; Colorimetric systems TLS70 & TLS00

D65: 5 step colour scales and coordinate data for 10 hues

input:  $\text{olw}^* \text{setrgbcolor}$

output:  $\text{olw}^* \text{setrgbcolor} / w^* \text{setgray}$

triangle lightness

1.00

%Gamut

$u^*_{rel} = 158$

%Regularity

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

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

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

chromaticness  $c^*$

$n^* = 1.0$

blackness  $n^*$

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

BAM-test chart NE48; Colorimetric systems TLS70 & TLS00

D65: 5 step colour scales and coordinate data for 10 hues

input:  $\text{olw}^* \text{setrgbcolor}$

output:  $\text{olw}^* \text{setrgbcolor} / w^* \text{setgray}$