

Input: Colorimetric Reflective System ORS18

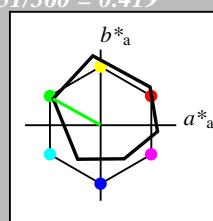
for hue $h^* = lab^*h = 151/360 = 0.419$
 lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



relative Inform. Technology (IT)
 olv_i3^* 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 olv_i4^* 1.0 1.0 1.0 1.0
 $cmyn4^*$ 0.0 0.0 0.0 0.0

standard and adapted CIELAB
 LAB^*LAB 95.41 -0.97 4.75
 LAB^*LABa 95.41 0.0 0.0
 LAB^*TChA 99.99 0.01 -

relative CIELAB lab^*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 -
 lab^*nch 0.0 0.0 -

relative Natural Colour (NC)
 lab^*lrij 1.0 0.0 0.0
 lab^*ice 1.0 0.0 -
 lab^*nCE 0.0 0.0 -

relative Inform. Technology (IT)
 olv_i3^* 0.5 0.5 0.5 (1.0)
 $cmyn3^*$ 0.5 0.5 0.5 (0.0)
 olv_i4^* 1.0 1.0 1.0 0.5
 $cmyn4^*$ 0.0 0.0 0.0 0.5

standard and adapted CIELAB
 LAB^*LAB 56.71 -0.23 2.14
 LAB^*LABa 56.71 0.0 0.0
 LAB^*TChA 50.0 0.01 -

relative CIELAB lab^*
 lab^*lab 0.5 0.0 0.0
 lab^*tch 0.5 0.0 -
 lab^*nch 0.5 0.0 -

relative Natural Colour (NC)
 lab^*lrij 0.5 0.0 0.0
 lab^*ice 0.5 0.0 -
 lab^*nCE 0.5 0.0 -

relative Inform. Technology (IT)
 olv_i3^* 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 olv_i4^* 1.0 1.0 1.0 0.0
 $cmyn4^*$ 0.0 0.0 0.0 1.0

standard and adapted CIELAB
 LAB^*LAB 18.02 0.5 -0.46
 LAB^*LABa 18.02 0.0 0.0
 LAB^*TChA 0.01 0.01 -

relative CIELAB lab^*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 -
 lab^*nch 1.0 0.0 -

relative Natural Colour (NC)
 lab^*lrij 0.0 0.0 0.0
 lab^*ice 0.0 0.0 -
 lab^*nCE 1.0 0.0 -

$n^* = 1,0$

TE120-7, 3 step scales for constant CIELAB hue 151/360 = 0.419 (left)

BAM-test chart TE12; Colorimetric systems ORS18 & NRS11
 D65: 2 coordinate data of 3 step colour scales for 10 hues

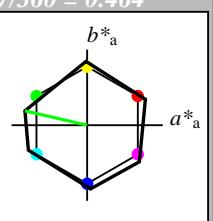
Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 167/360 = 0.464$
 lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 84 167
 $olv^*Ma: 0.0 1.0 0.0$

triangle lightness t^*



relative Inform. Technology (IT)
 olv_i3^* 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 olv_i4^* 1.0 1.0 1.0 1.0
 $cmyn4^*$ 0.0 0.0 0.0 0.0

standard and adapted CIELAB
 LAB^*LAB 95.41 -0.01
 LAB^*LABa 95.41 0.0 0.0
 LAB^*TChA 99.99 0.01 -

relative CIELAB lab^*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 -
 lab^*nch 0.0 0.0 -

relative Natural Colour (NC)
 lab^*lrij 1.0 0.0 0.0
 lab^*ice 1.0 0.0 -
 lab^*nCE 0.0 0.0 -

standard and adapted CIELAB
 LAB^*LAB 74.33 -41.1 9.49
 LAB^*LABa 74.33 -41.12 9.49
 LAB^*TChA 75.00 42.21 167.01

relative CIELAB lab^*
 lab^*lab 0.75 -0.486 0.112
 lab^*tch 0.75 0.5 0.464
 lab^*nch 0.0 0.5 0.464

standard and adapted CIELAB
 LAB^*LAB 50.9 -62.91 36.69
 LAB^*LABa 50.9 -62.78 34.94
 LAB^*TChA 50.0 71.86 150.91

relative CIELAB lab^*
 lab^*lab 0.425 -0.873 0.486
 lab^*tch 0.5 1.0 0.419
 lab^*nch 0.0 1.0 0.419

relative Natural Colour (NC)
 lab^*lrij 0.425 -0.956 0.289
 lab^*ice 0.5 1.0 0.453
 lab^*nCE 0.0 1.0 j81g

relative CIELAB lab^*
 lab^*lab 0.425 -0.873 0.486
 lab^*tch 0.5 1.0 0.419
 lab^*nch 0.0 1.0 0.419

relative Natural Colour (NC)
 lab^*lrij 0.425 -0.956 0.289
 lab^*ice 0.5 1.0 0.453
 lab^*nCE 0.0 1.0 j81g

relative CIELAB lab^*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 -
 lab^*nch 1.0 0.0 -

relative Natural Colour (NC)
 lab^*lrij 0.0 0.0 0.0
 lab^*ice 0.0 0.0 -
 lab^*nCE 1.0 0.0 -

relative CIELAB lab^*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 -
 lab^*nch 1.0 0.0 -

relative Natural Colour (NC)
 lab^*lrij 0.0 0.0 0.0
 lab^*ice 0.0 0.0 -
 lab^*nCE 1.0 0.0 -

relative CIELAB lab^*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 -
 lab^*nch 1.0 0.0 -

relative Natural Colour (NC)
 lab^*lrij 0.0 0.0 0.0
 lab^*ice 0.0 0.0 -
 lab^*nCE 1.0 0.0 -

$n^* = 1,0$

3 step scales for constant CIELAB hue 167/360 = 0.464 (right)

input: $olv^* setrgbcolor$
 output: $olv^* setrgbcolor / w^* setgray$

$n^* = 0,00$

blackness n^*

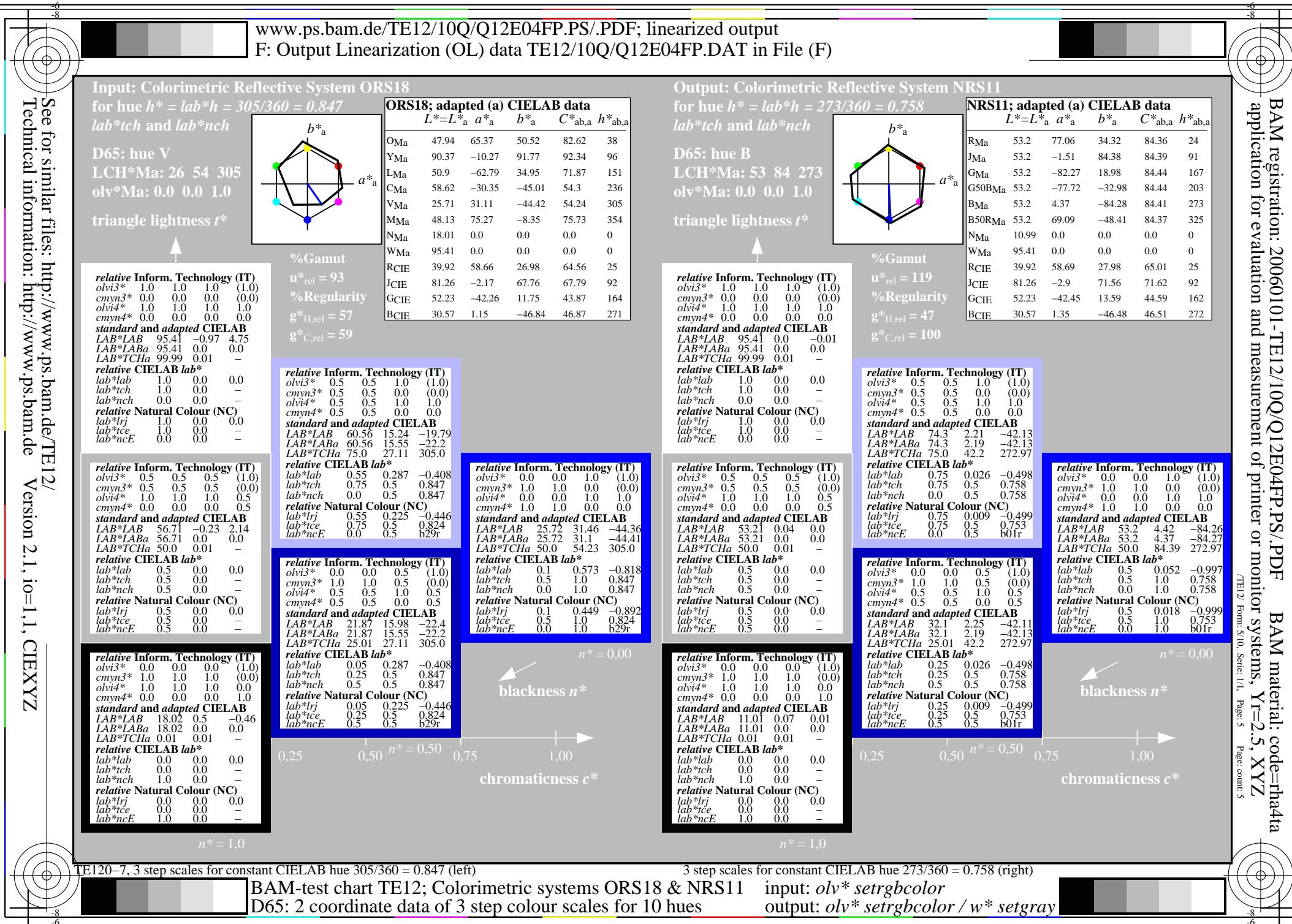
$n^* = 0,50$

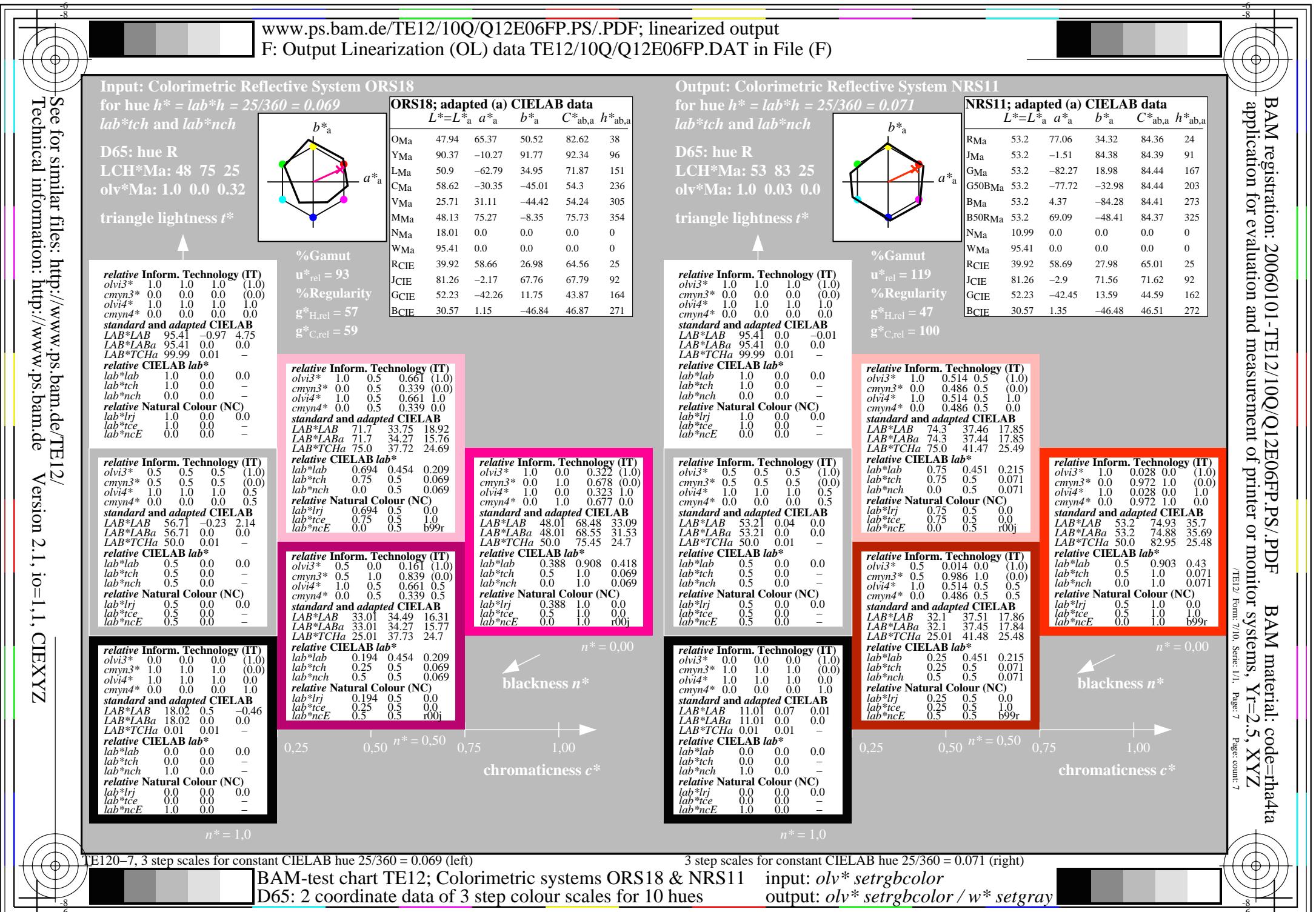
chromaticness c^*

$n^* = 1,00$

chromaticness c^*







Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 271/360 = 0.754$

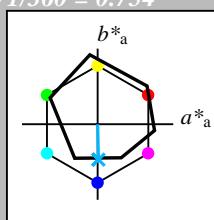
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

olv*Ma: 0.0 0.49 1.0

triangle lightness t^*



relative Inform. Technology (IT)
 olv_i3^* 1.0 1.0 1.0 (1.0)
 cmy_n3^* 0.0 0.0 0.0 (0.0)
 olv_i4^* 1.0 1.0 1.0 1.0
 cmy_n4^* 0.0 0.0 0.0 0.0

standard and adapted CIELAB
 LAB^*LAB 95.41 -0.97 4.75
 LAB^*LABa 95.41 0.0 0.0
 LAB^*TCh_a 99.99 0.01 -

relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 -
 lab^*nch 0.0 0.0 -

relative Natural Colour (NC)
 lab^*lrij 1.0 0.0 0.0
 lab^*tce 1.0 0.0 -
 lab^*nCE 0.0 0.0 -

relative Inform. Technology (IT)
 olv_i3^* 0.5 0.5 0.5 (1.0)
 cmy_n3^* 0.5 0.5 0.5 (0.0)
 olv_i4^* 1.0 1.0 1.0 0.5
 cmy_n4^* 0.0 0.0 0.0 0.5

standard and adapted CIELAB
 LAB^*LAB 56.71 -0.23 2.14
 LAB^*LABa 56.71 0.0 0.0
 LAB^*TCh_a 50.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.5 0.0 0.0
 lab^*tch 0.5 0.0 -
 lab^*nch 0.5 0.0 -

relative Natural Colour (NC)
 lab^*lrij 0.5 0.0 0.0
 lab^*tce 0.5 0.0 -
 lab^*nCE 0.5 0.0 -

relative Inform. Technology (IT)
 olv_i3^* 0.0 0.0 0.0 (1.0)
 cmy_n3^* 1.0 1.0 1.0 (0.0)
 olv_i4^* 1.0 1.0 1.0 0.0
 cmy_n4^* 0.0 0.0 0.0 1.0

standard and adapted CIELAB
 LAB^*LAB 18.02 0.5 -0.46
 LAB^*LABa 18.02 0.0 0.0
 LAB^*TCh_a 0.01 0.01 -

relative CIELAB lab*
 lab^*lab 0.0 0.0 0.0
 lab^*tch 0.0 0.0 -
 lab^*nch 1.0 0.0 -

relative Natural Colour (NC)
 lab^*lrij 0.0 0.0 0.0
 lab^*tce 0.0 0.0 -
 lab^*nCE 1.0 0.0 -

$n^* = 1,0$

TE120-7, 3 step scales for constant CIELAB hue 271/360 = 0.754 (left)

BAM-test chart TE12; Colorimetric systems ORS18 & NRS11
 D65: 2 coordinate data of 3 step colour scales for 10 hues

Output: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 272/360 = 0.755$

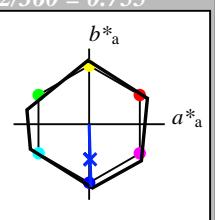
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 53 83 272

olv*Ma: 0.0 0.02 1.0

triangle lightness t^*



relative Inform. Technology (IT)
 olv_i3^* 1.0 1.0 1.0 (1.0)
 cmy_n3^* 0.0 0.0 0.0 (0.0)
 olv_i4^* 1.0 1.0 1.0 1.0
 cmy_n4^* 0.0 0.0 0.0 0.0

standard and adapted CIELAB
 LAB^*LAB 95.41 -0.01
 LAB^*LABa 95.41 0.0 0.0
 LAB^*TCh_a 99.99 0.01 -

relative CIELAB lab*
 lab^*lab 1.0 0.0 0.0
 lab^*tch 1.0 0.0 -
 lab^*nch 0.0 0.0 -

relative Natural Colour (NC)
 lab^*lrij 1.0 0.0 0.0
 lab^*tce 1.0 0.0 -
 lab^*nCE 0.0 0.0 -

relative Inform. Technology (IT)
 olv_i3^* 0.5 0.512 1.0 (1.0)
 cmy_n3^* 0.5 0.488 0.0 (0.0)
 olv_i4^* 0.5 0.512 1.0 1.0
 cmy_n4^* 0.5 0.488 0.0 0.0

standard and adapted CIELAB
 LAB^*LAB 74.31 1.23 -41.51
 LAB^*LABa 74.31 1.2 -41.52
 LAB^*TCh_a 75.0 41.54 271.66

relative CIELAB lab*
 lab^*lab 0.75 0.014 -0.499
 lab^*tch 0.75 0.5 0.755
 lab^*nch 0.0 0.5 0.755

relative Natural Colour (NC)
 lab^*lrij 0.75 0.0 -0.499
 lab^*tce 0.75 0.5 0.75
 lab^*nCE 0.0 0.5 g99b

relative Inform. Technology (IT)
 olv_i3^* 0.0 0.024 1.0 (1.0)
 cmy_n3^* 1.0 0.976 0.0 (0.0)
 olv_i4^* 0.0 0.024 1.0 1.0
 cmy_n4^* 1.0 0.976 0.0 0.0

standard and adapted CIELAB
 LAB^*LAB 53.21 0.04 0.0
 LAB^*LABa 53.21 0.0 0.0
 LAB^*TCh_a 50.0 0.01 -

relative CIELAB lab*
 lab^*lab 0.5 0.0 0.0
 lab^*tch 0.5 0.0 -
 lab^*nch 0.5 0.0 -

relative Natural Colour (NC)
 lab^*lrij 0.5 0.0 0.0
 lab^*tce 0.5 0.0 -
 lab^*nCE 0.5 0.0 -

relative Inform. Technology (IT)
 olv_i3^* 0.0 0.012 0.5 (1.0)
 cmy_n3^* 1.0 0.988 0.5 (0.0)
 olv_i4^* 0.5 0.512 1.0 0.5
 cmy_n4^* 0.5 0.488 0.0 0.5

standard and adapted CIELAB
 LAB^*LAB 32.1 1.27 -41.5
 LAB^*LABa 32.1 1.21 -41.52
 LAB^*TCh_a 25.01 41.55 271.67

relative CIELAB lab*
 lab^*lab 0.25 0.015 -0.499
 lab^*tch 0.25 0.5 0.755
 lab^*nch 0.5 0.5 0.755

relative Natural Colour (NC)
 lab^*lrij 0.25 0.0 -0.499
 lab^*tce 0.25 0.5 0.75
 lab^*nCE 0.5 0.5 b00r

$n^* = 0,00$

blackness n^*
 0,25 0,50 $n^* = 0,50$ 0,75 1,00
 chromaticness c^*

$n^* = 1,0$

3 step scales for constant CIELAB hue 272/360 = 0.755 (right)

input: $olv^* setrgbcolor$
 output: $olv^* setrgbcolor / w^* setgray$