



### Eingabe: Farbmétrisches Reflexions-System NRS11

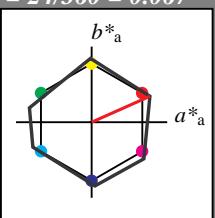
für Bunton  $h^* = lab^*h = 24/360 = 0.067$   
 $lab^*tch$  und  $lab^*nch$

D65: Bunton R

LCH\*Ma: 53 84 24

olv\*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit  $t^*$



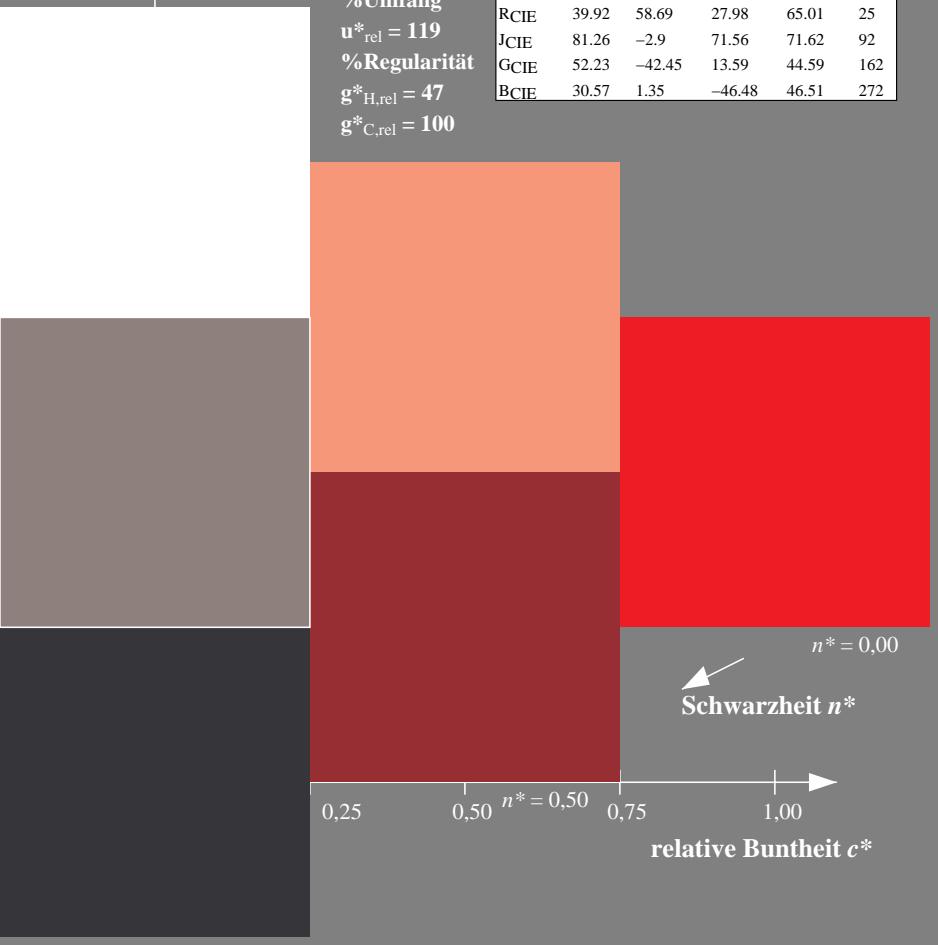
%Umfang

u\*<sub>rel</sub> = 119

%Regularität

g\*<sub>H,rel</sub> = 47

g\*<sub>C,rel</sub> = 100



### Ausgabe: Farbmétrisches Reflexions-System ORS18

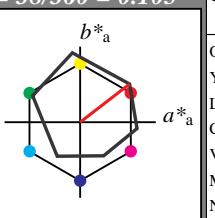
für Bunton  $h^* = lab^*h = 38/360 = 0.105$   
 $lab^*tch$  und  $lab^*nch$

D65: Bunton O

LCH\*Ma: 48 83 38

olv\*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit  $t^*$



%Umfang

u\*<sub>rel</sub> = 93

%Regularität

g\*<sub>H,rel</sub> = 57

g\*<sub>C,rel</sub> = 59

relative Inform. Technology (IT)  
olvi3\*: 1.0 1.0 1.0 (1.0)  
cmyn3\*: 0.0 0.0 0.0 (0.0)  
olvi4\*: 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\*lrj 1.0 0.0 0.0  
lab\*tce 1.0 0.0 -  
lab\*ncE 0.0 0.0 -

relative Inform. Technology (IT)  
olvi3\*: 0.5 0.5 0.5 (1.0)  
cmyn3\*: 0.5 0.5 0.5 (0.0)  
olvi4\*: 1.0 1.0 1.0 0.5  
cmyn4\*: 0.0 0.0 0.5 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\*lrj 0.5 0.0 0.0  
lab\*tce 0.5 0.0 -  
lab\*ncE 0.5 0.0 -

relative Inform. Technology (IT)  
olvi3\*: 0.0 0.0 0.0 (1.0)  
cmyn3\*: 1.0 1.0 1.0 (0.0)  
olvi4\*: 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\*lrj 0.0 0.0 0.0  
lab\*tce 0.0 0.0 -  
lab\*ncE 1.0 0.0 -

relative Inform. Technology (IT)  
olvi3\*: 0.0 0.0 0.0 (1.0)  
cmyn3\*: 0.5 1.0 1.0 (0.0)  
olvi4\*: 1.0 0.5 0.5 0.5  
cmyn4\*: 0.0 0.5 0.5 0.5  
standard and adapted CIELAB  
LAB\*LAB 32.98 32.9 25.8  
LAB\*LABa 32.98 32.68 25.25  
LAB\*TChA 25.01 41.3 37.7  
relative CIELAB lab\*  
lab\*lab 0.193 0.396 0.306  
lab\*tch 0.25 0.5 0.105  
lab\*nch 0.5 0.5 0.105  
relative Natural Colour (NC)  
lab\*lrj 0.193 0.477 0.15  
lab\*tce 0.25 0.5 0.048  
lab\*ncE 0.5 0.5 r19j

relative Inform. Technology (IT)  
olvi3\*: 0.0 0.0 0.0 (1.0)  
cmyn3\*: 0.5 1.0 1.0 (0.0)  
olvi4\*: 1.0 0.5 0.5 0.5  
cmyn4\*: 0.0 0.5 0.5 0.5  
standard and adapted CIELAB  
LAB\*LAB 47.95 65.29 52.06  
LAB\*LABa 47.95 65.36 50.51  
LAB\*TChA 50.0 82.6 37.7  
relative CIELAB lab\*  
lab\*lab 0.387 0.791 0.611  
lab\*tch 0.5 1.0 0.105  
lab\*nch 0.0 1.0 0.105  
relative Natural Colour (NC)  
lab\*lrj 0.387 0.954 0.299  
lab\*tce 0.5 1.0 0.048  
lab\*ncE 0.0 1.0 r19j

3 stufige Reihen für konstanten CIELAB Bunton 24/360 = 0.067 (links)

BAM-Prüfvorlage UG07; Farbmétrik-Systeme NRS11 & ORS18 input: cmy0\* setcmykcolor

D65: 3stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: no change compared to input



c

M

Y

O

L

V



C

M

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6

8

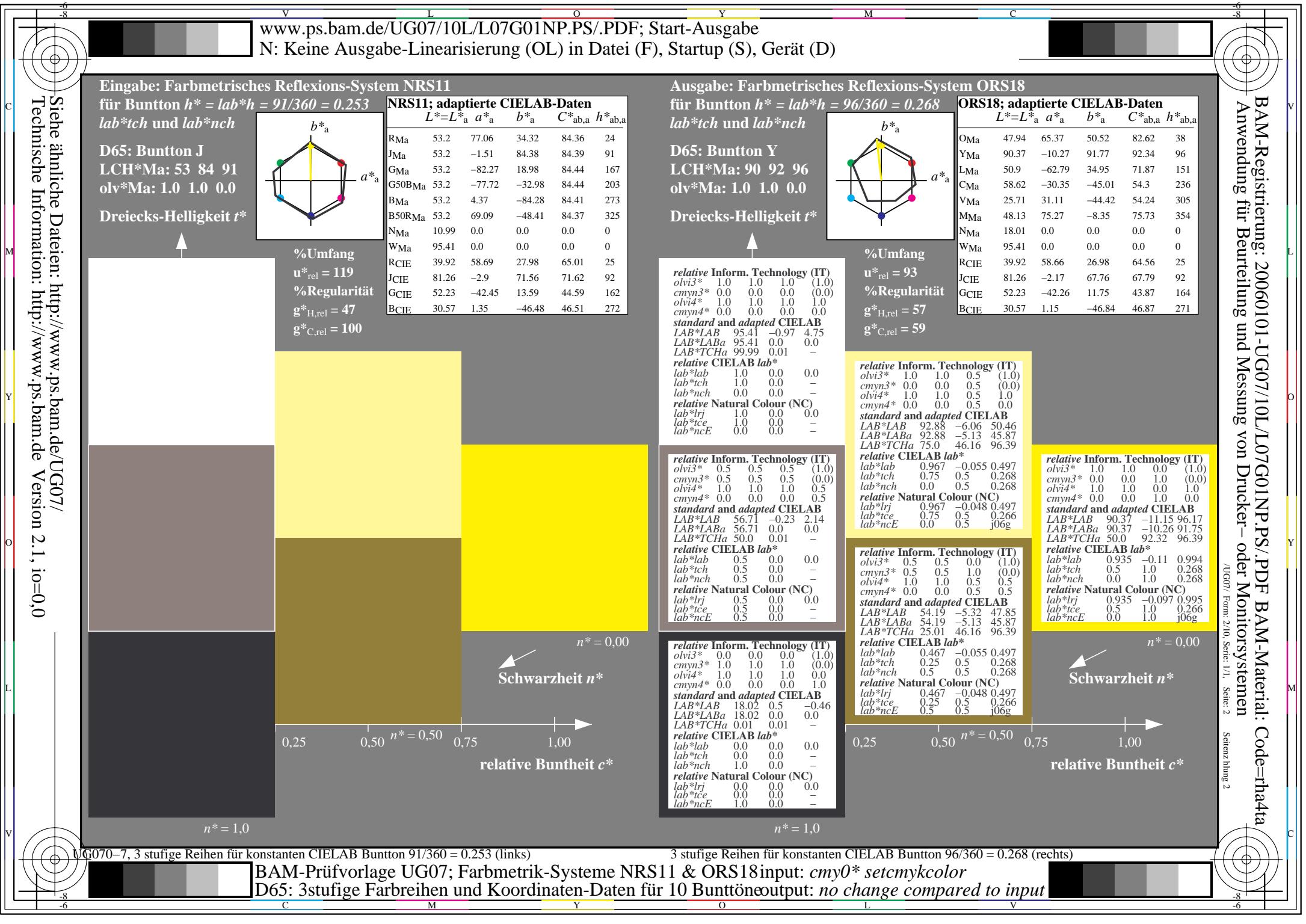
6

8

6

8

6





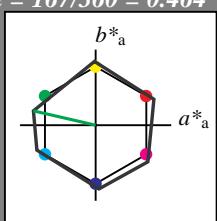
Eingabe: Farbmétrisches Reflexions-System NRS11  
für Bunton  $h^* = lab^*h = 167/360 = 0.464$   
 $lab^*tch$  und  $lab^*nch$

D65: Bunton G

LCH\*Ma: 53 84 167

olv\*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit  $t^*$



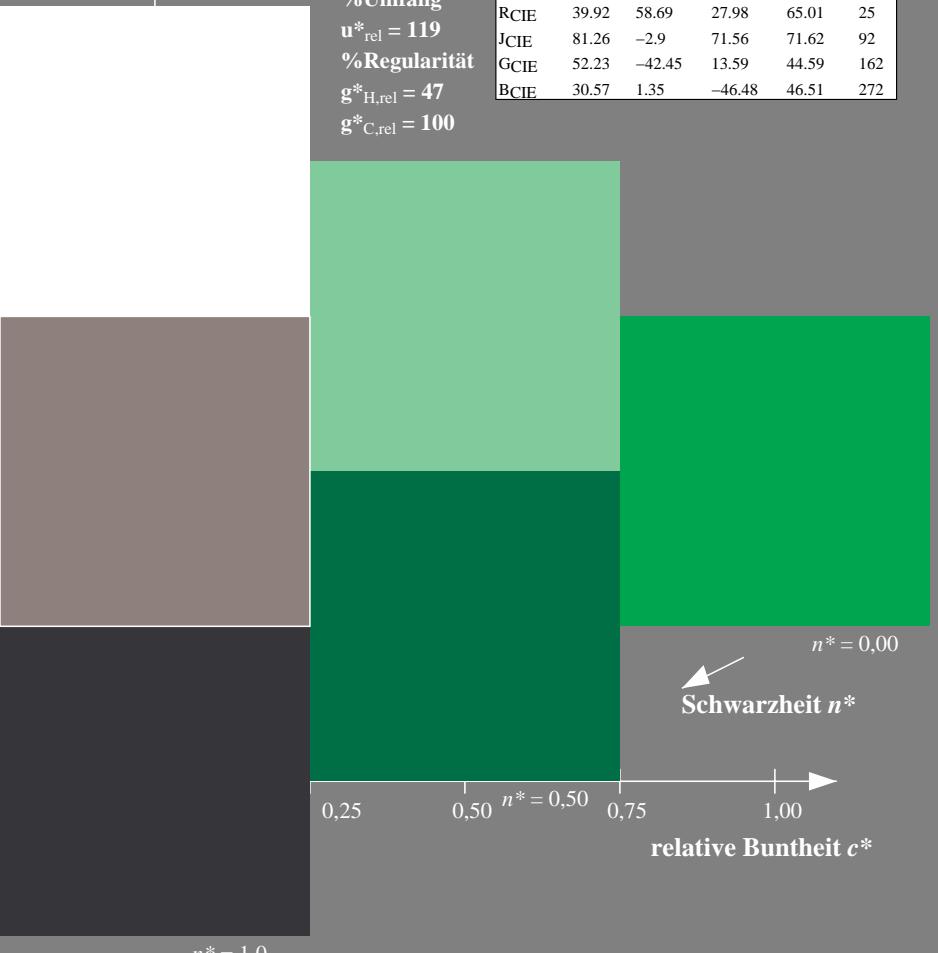
%Umfang

$u^*_{rel} = 119$

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$



UG070-7, 3 stufige Reihen für konstanten CIELAB Bunton 167/360 = 0.464 (links)

BAM-Prüfvorlage UG07; Farbmétrik-Systeme NRS11 & ORS18 input: cmy0\* setcmykcolor

D65: 3stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: no change compared to input

Ausgabe: Farbmétrisches Reflexions-System ORS18

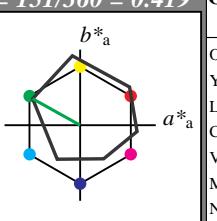
für Bunton  $h^* = lab^*h = 151/360 = 0.419$   
 $lab^*tch$  und  $lab^*nch$

D65: Bunton L

LCH\*Ma: 51 72 151

olv\*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 93$

%Regularität

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)  
olvi3\* 1.0 1.0 1.0 (1.0)  
cmyn3\* 0.0 0.0 0.0 (0.0)  
olvi4\* 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\*lrj 1.0 0.0 0.0  
lab\*tce 1.0 0.0 -  
lab\*ncE 0.0 0.0 -

relative Inform. Technology (IT)  
olvi3\* 0.5 0.5 0.5 (1.0)  
cmyn3\* 0.5 0.5 0.5 (0.0)  
olvi4\* 1.0 1.0 1.0 0.5  
cmyn4\* 0.0 0.0 0.5 0.5  
standard and adapted CIELAB  
LAB\*LAB 73.15 -31.94 20.73  
LAB\*LABa 73.15 -31.38 17.47  
LAB\*TChA 75.0 35.93 150.91

relative CIELAB lab\*  
lab\*lab 0.712 -0.436 0.243  
lab\*tch 0.75 0.5 0.419  
lab\*nch 0.0 0.5 0.419  
relative Natural Colour (NC)  
lab\*lrj 0.712 -0.478 0.144  
lab\*tce 0.75 0.5 0.453  
lab\*ncE 0.0 0.5 181g

relative Inform. Technology (IT)  
olvi3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 1.0 1.0 (0.0)  
olvi4\* 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\*lrj 0.0 0.0 0.0  
lab\*tce 0.0 0.0 -  
lab\*ncE 1.0 0.0 -

3 stufige Reihen für konstanten CIELAB Bunton 151/360 = 0.419 (rechts)

relative Inform. Technology (IT)  
olvi3\* 0.5 1.0 0.5 (1.0)  
cmyn3\* 0.5 0.0 0.5 (0.0)  
olvi4\* 0.5 1.0 0.5 1.0  
cmyn4\* 0.5 0.0 0.5 0.0  
standard and adapted CIELAB  
LAB\*LAB 73.15 -31.94 20.73  
LAB\*LABa 73.15 -31.38 17.47  
LAB\*TChA 75.0 35.93 150.91

relative CIELAB lab\*  
lab\*lab 0.712 -0.436 0.243  
lab\*tch 0.75 0.5 0.419  
lab\*nch 0.0 0.5 0.419  
relative Natural Colour (NC)  
lab\*lrj 0.712 -0.478 0.144  
lab\*tce 0.75 0.5 0.453  
lab\*ncE 0.0 0.5 181g

relative Inform. Technology (IT)  
olvi3\* 0.0 0.5 0.0 (1.0)  
cmyn3\* 1.0 0.5 1.0 (0.0)  
olvi4\* 0.5 1.0 0.5 0.5  
cmyn4\* 0.5 0.0 0.5 0.5  
standard and adapted CIELAB  
LAB\*LAB 34.46 -31.2 18.11  
LAB\*LABa 34.46 -31.38 17.47  
LAB\*TChA 25.01 35.93 150.91

relative CIELAB lab\*  
lab\*lab 0.213 -0.436 0.243  
lab\*tch 0.25 0.5 0.419  
lab\*nch 0.5 0.5 0.419  
relative Natural Colour (NC)  
lab\*lrj 0.213 -0.478 0.144  
lab\*tce 0.25 0.5 0.453  
lab\*ncE 0.5 0.5 181g

relative Inform. Technology (IT)  
olvi3\* 0.425 -0.873 0.486  
cmyn3\* 0.5 1.0 0.419  
olvi4\* 0.0 1.0 0.419  
cmyn4\* 1.0 0.0 1.0 0.0  
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

n\* = 0,00  
Schwarzheit n\*

relative Inform. Technology (IT)  
olvi3\* 0.0 1.0 0.0 (1.0)  
cmyn3\* 0.0 0.0 1.0 (0.0)  
olvi4\* 0.0 1.0 0.0 1.0  
cmyn4\* 1.0 0.0 1.0 0.0  
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\*lrj 0.425 -0.956 0.289  
lab\*tce 0.5 1.0 0.453  
lab\*ncE 0.0 1.0 181g

relative Inform. Technology (IT)  
olvi3\* 0.213 -0.436 0.243  
cmyn3\* 0.25 0.5 0.419  
olvi4\* 0.5 0.5 0.419  
cmyn4\* 0.5 0.5 0.419  
standard and adapted CIELAB  
LAB\*LAB 34.46 -31.2 18.11  
LAB\*LABa 34.46 -31.38 17.47  
LAB\*TChA 25.01 35.93 150.91

relative CIELAB lab\*  
lab\*lab 0.213 -0.436 0.243  
lab\*tch 0.25 0.5 0.419  
lab\*nch 0.5 0.5 0.419  
relative Natural Colour (NC)  
lab\*lrj 0.213 -0.478 0.144  
lab\*tce 0.25 0.5 0.453  
lab\*ncE 0.5 0.5 181g

n\* = 0,00  
Schwarzheit n\*



### Eingabe: Farbmétrisches Reflexions-System NRS11

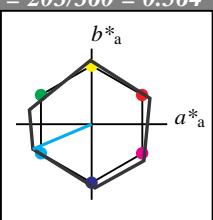
für Bunton  $h^* = lab^*h = 203/360 = 0.564$   
 $lab^*tch$  und  $lab^*nch$

D65: Bunton G50B

LCH\*Ma: 53 84 203

olv\*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit  $t^*$



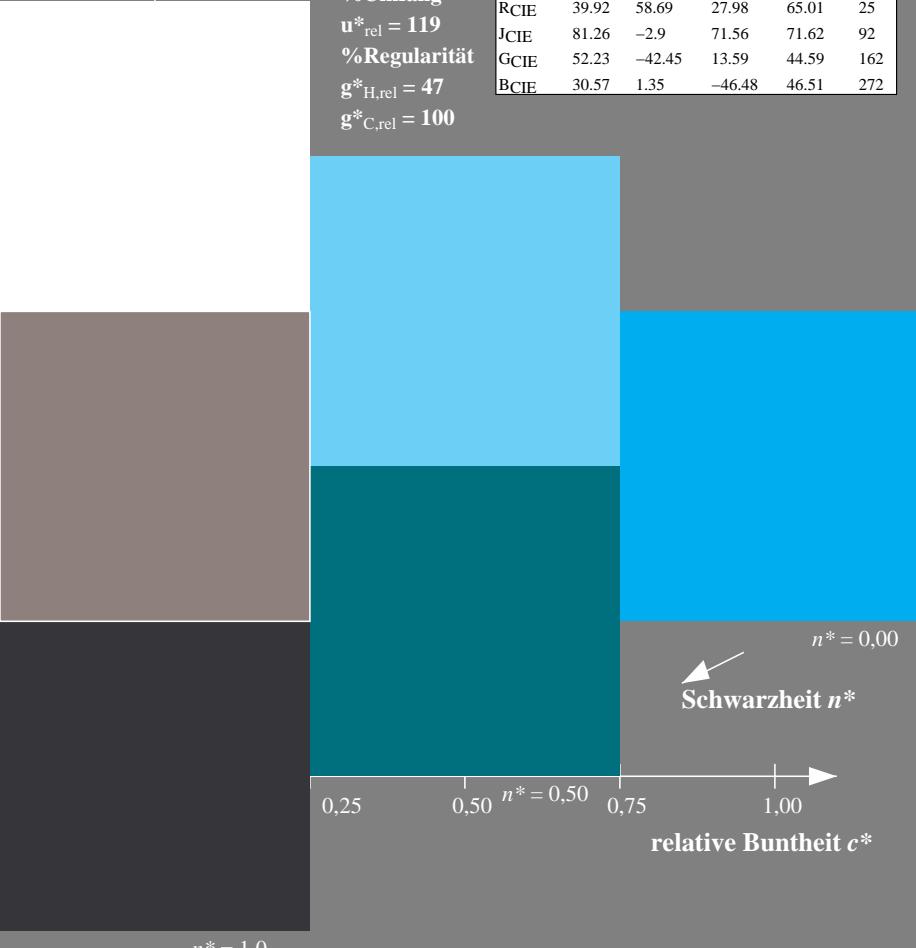
%Umfang

$u^*_{rel} = 119$

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$



### Ausgabe: Farbmétrisches Reflexions-System ORS18

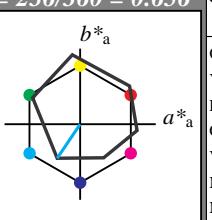
für Bunton  $h^* = lab^*h = 236/360 = 0.656$   
 $lab^*tch$  und  $lab^*nch$

D65: Bunton C

LCH\*Ma: 59 54 236

olv\*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 93$

%Regularität

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)  
 $olvi3^*$  1.0 1.0 1.0 (1.0)  
 $cmyn3^*$  0.0 0.0 0.0 (0.0)

$olvi4^*$  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)  
 $lab^*lrj$  1.0 0.0 0.0  
 $lab^*ice$  1.0 0.0 -

$lab^*ncE$  0.0 0.0 -

relative Inform. Technology (IT)  
 $olvi3^*$  0.5 0.5 0.5 (1.0)  
 $cmyn3^*$  0.5 0.5 0.5 (0.0)

$olvi4^*$  1.0 1.0 1.0 0.5  
 $cmyn4^*$  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)  
 $lab^*lrj$  0.5 0.0 0.0  
 $lab^*ice$  0.5 0.0 -

$lab^*ncE$  0.5 0.0 -

relative Inform. Technology (IT)  
 $olvi3^*$  1.0 1.0 1.0 (1.0)  
 $cmyn3^*$  0.0 0.0 0.0 (0.0)

$olvi4^*$  1.0 1.0 1.0 0.5  
 $cmyn4^*$  0.0 0.0 0.5

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)  
 $lab^*lrj$  0.0 0.0 0.0  
 $lab^*ice$  0.0 0.0 -

$lab^*ncE$  1.0 0.0 -

3 stufige Reihen für konstanten CIELAB Bunton 236/360 = 0.656 (rechts)

BAM-Prüfvorlage UG07; Farbmétrik-Systeme NRS11 & ORS18 input:  $cmy0*$  setcmykcolor

D65: 3stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: no change compared to input





### Eingabe: Farbmétrisches Reflexions-System NRS11

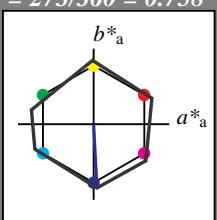
für Bunton  $h^* = lab^*h = 273/360 = 0.758$   
 $lab^*tch$  und  $lab^*nch$

D65: Bunton B

LCH\*Ma: 53 84 273

olv\*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit  $t^*$



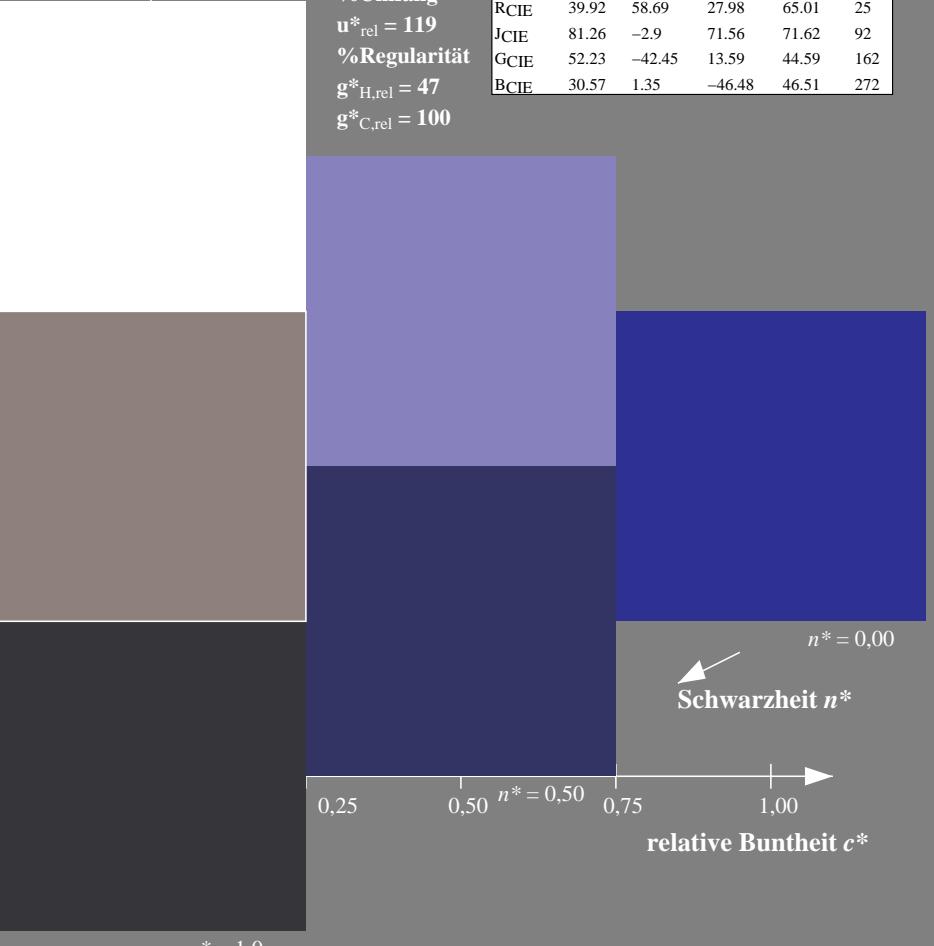
%Umfang

$u^*_{rel} = 119$

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$



### Ausgabe: Farbmétrisches Reflexions-System ORS18

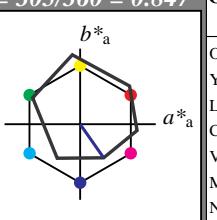
für Bunton  $h^* = lab^*h = 305/360 = 0.847$   
 $lab^*tch$  und  $lab^*nch$

D65: Bunton V

LCH\*Ma: 26 54 305

olv\*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 93$

%Regularität

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)  
 $olvi3^*$  1.0 1.0 1.0 (1.0)  
 $cmyn3^*$  0.0 0.0 0.0 (0.0)  
 $olvi4^*$  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

$lab^*tce$  1.0 0.0 -

$lab^*ncE$  0.0 0.0 -

relative Inform. Technology (IT)

$olvi3^*$  0.5 0.5 1.0 (1.0)

$cmyn3^*$  0.5 0.5 0.0 (0.0)

$olvi4^*$  0.5 0.5 1.0 1.0

$cmyn4^*$  0.5 0.5 0.0 0.0

standard and adapted CIELAB

$LAB^*LAB$  60.56 15.24 -19.79

$LAB^*LABa$  60.56 15.55 -22.2

$LAB^*TChA$  75.00 27.11 305.0

relative CIELAB lab\*

$lab^*lab$  0.55 0.287 -0.408

$lab^*tch$  0.75 0.5 0.847

$lab^*nch$  0.0 0.5 0.847

relative Natural Colour (NC)

$lab^*lrij$  0.55 0.225 -0.446

$lab^*tce$  0.75 0.5 0.824

$lab^*ncE$  0.0 0.5 b29r

relative Inform. Technology (IT)

$olvi3^*$  0.0 0.0 0.5 (1.0)

$cmyn3^*$  1.0 1.0 0.5 (0.0)

$olvi4^*$  0.5 0.5 1.0 0.5

$cmyn4^*$  0.5 0.5 0.0 0.5

standard and adapted CIELAB

$LAB^*LAB$  21.87 15.98 -22.4

$LAB^*LABa$  21.87 15.55 -22.2

$LAB^*TChA$  25.01 27.11 305.0

relative CIELAB lab\*

$lab^*lab$  0.05 0.287 -0.408

$lab^*tch$  0.25 0.5 0.847

$lab^*nch$  0.5 0.5 0.847

relative Natural Colour (NC)

$lab^*lrij$  0.05 0.225 -0.446

$lab^*tce$  0.25 0.5 0.824

$lab^*ncE$  0.5 0.5 b29r

n\* = 0,00

Schwarzheit n\*

n\* = 1,0

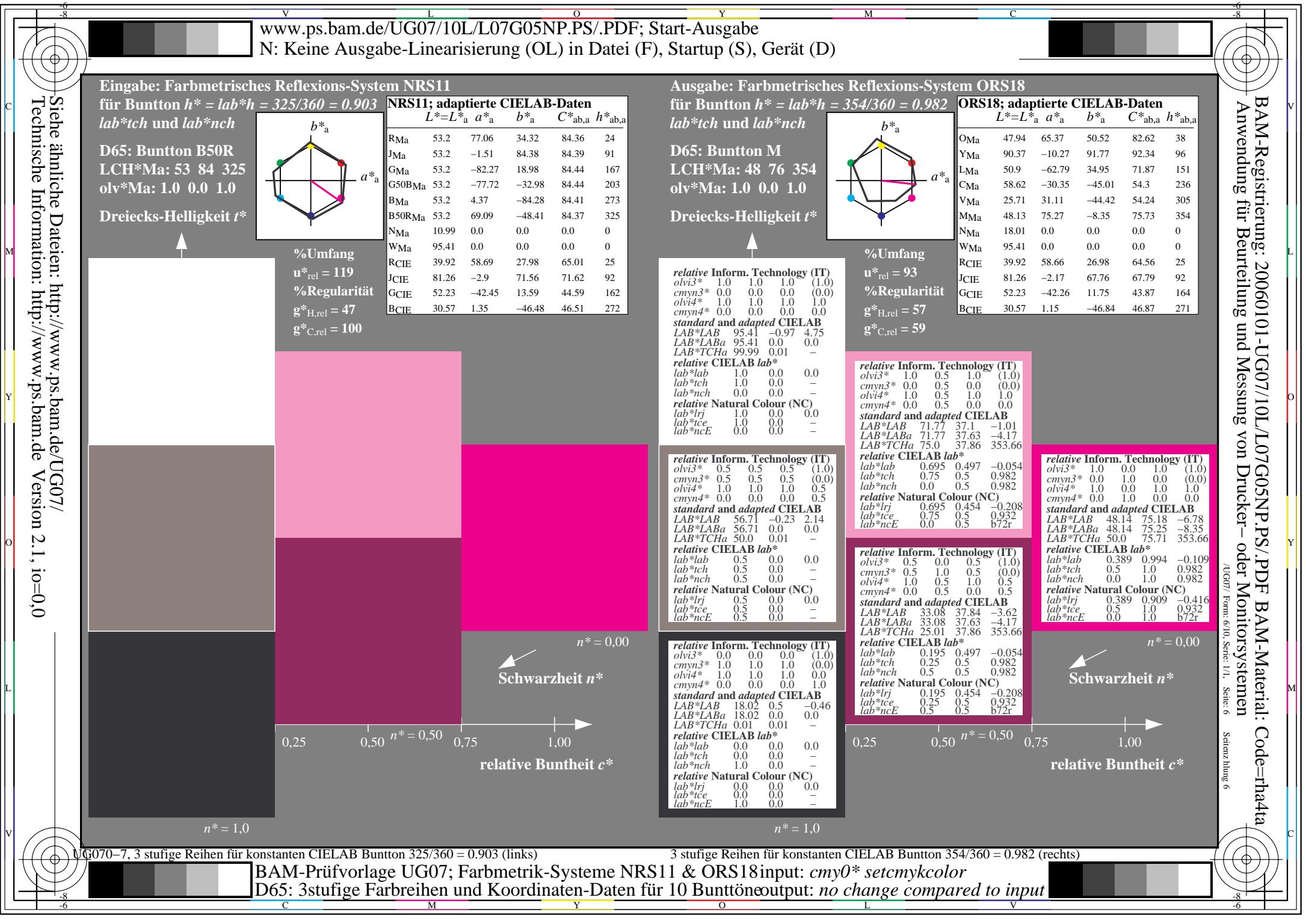
relative Buntheit c\*

n\* = 0,00

Schwarzheit n\*

n\* = 1,0

relative Buntheit c\*



Siehe ähnliche Dateien: <http://www.ps.bam.de/UG07/>

Technische Information: <http://www.ps.bam.de> Version 2.1, io=0.0

### Eingabe: Farbmétrisches Reflexions-System NRS11

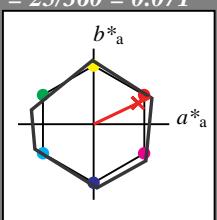
für Bunton  $h^* = lab^*h = 25/360 = 0.071$   
 $lab^*tch$  und  $lab^*nch$

D65: Bunton R

LCH\*Ma: 53 83 25

olv\*Ma: 1.0 0.03 0.0

Dreiecks-Helligkeit  $t^*$



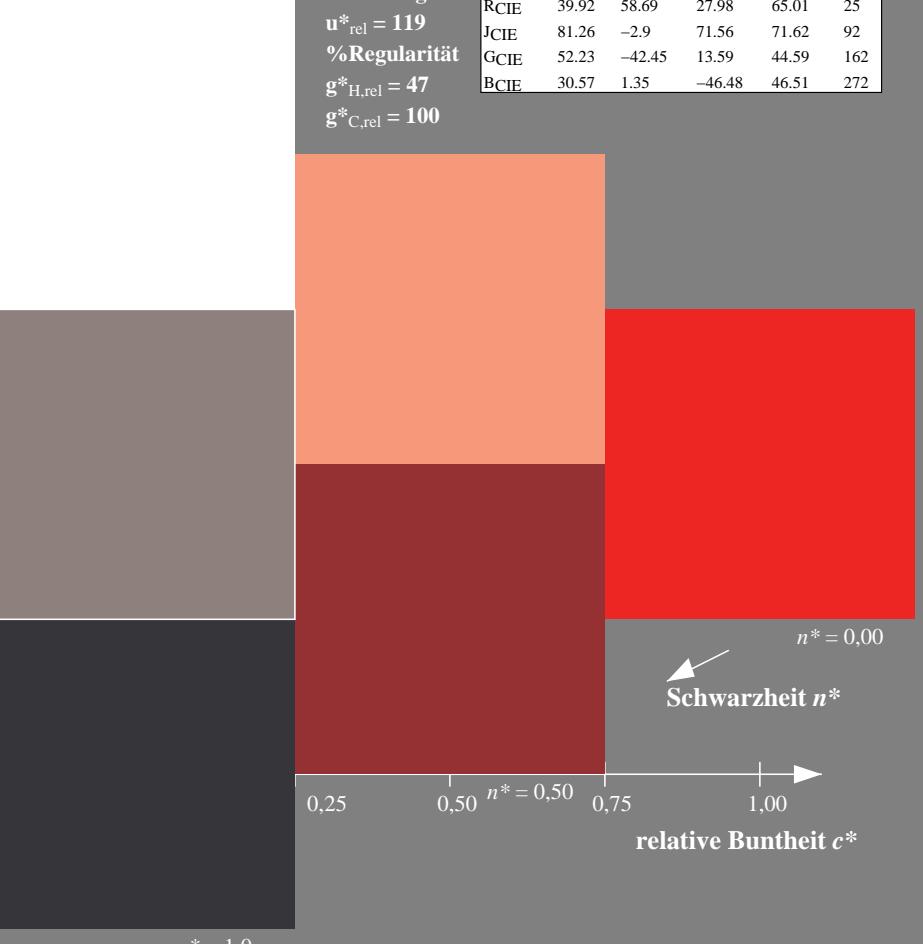
%Umfang

u\*<sub>rel</sub> = 119

%Regularität

g\*<sub>H,rel</sub> = 47

g\*<sub>C,rel</sub> = 100



### Ausgabe: Farbmétrisches Reflexions-System ORS18

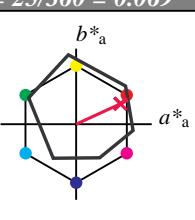
für Bunton  $h^* = lab^*h = 25/360 = 0.069$   
 $lab^*tch$  und  $lab^*nch$

D65: Bunton R

LCH\*Ma: 48 75 25

olv\*Ma: 1.0 0.0 0.32

Dreiecks-Helligkeit  $t^*$



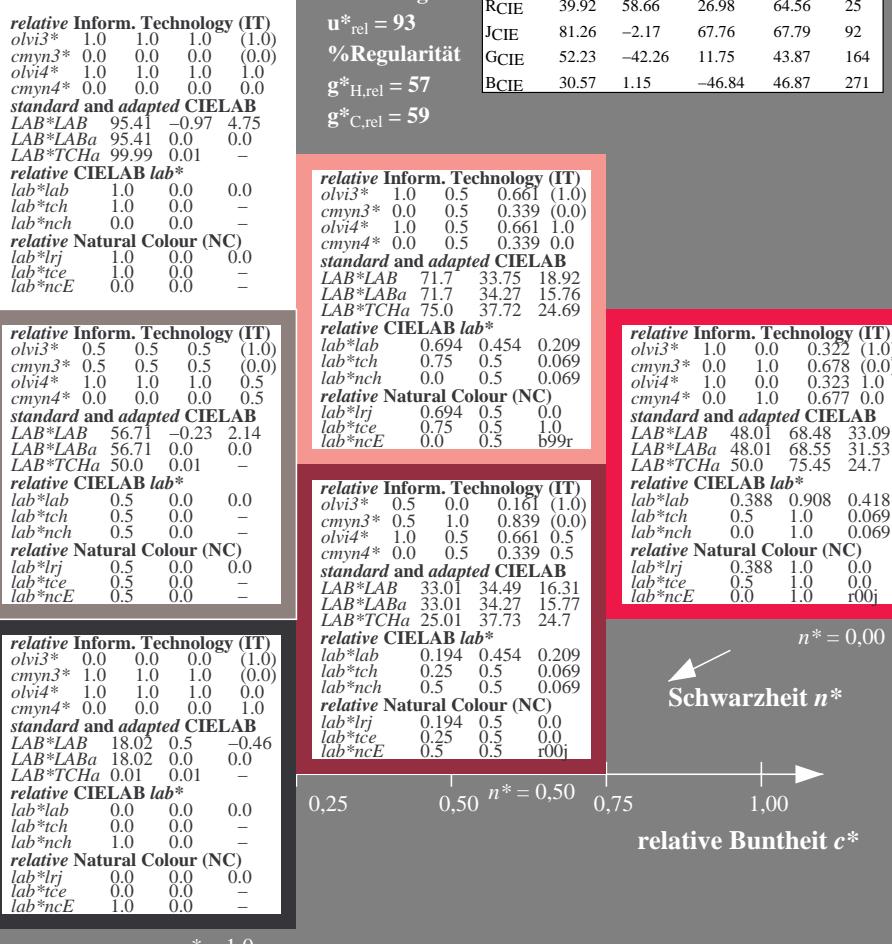
%Umfang

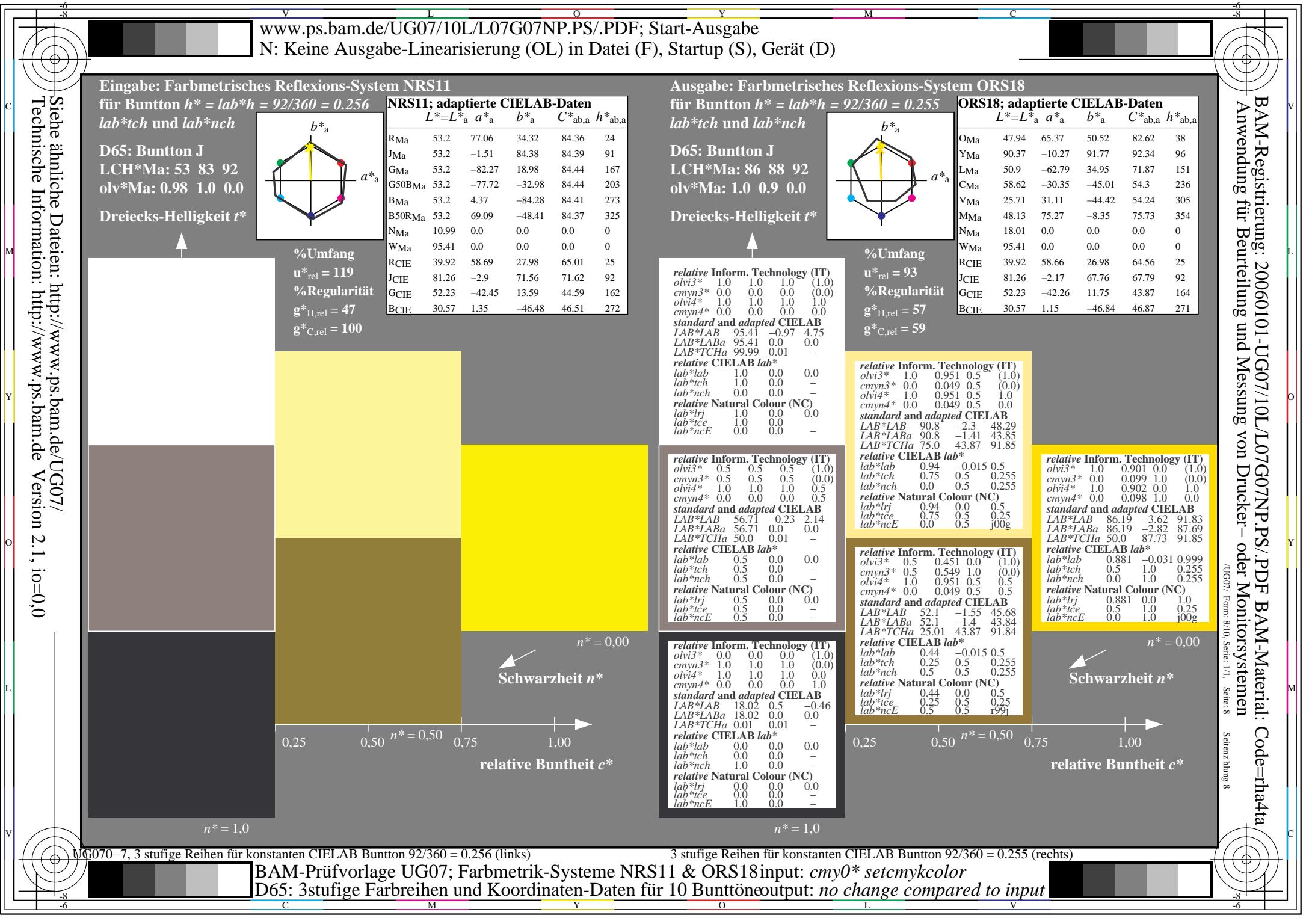
u\*<sub>rel</sub> = 93

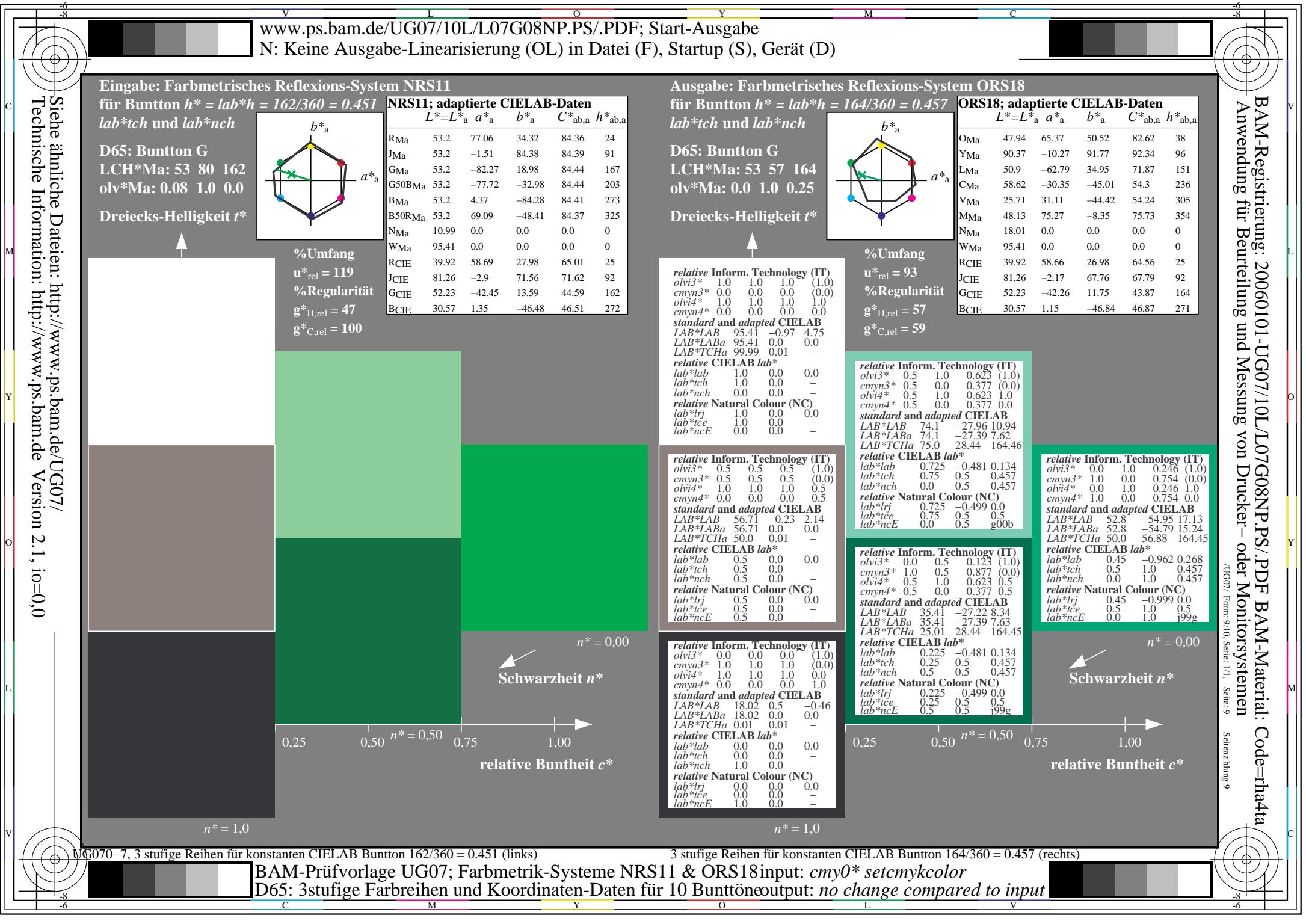
%Regularität

g\*<sub>H,rel</sub> = 57

g\*<sub>C,rel</sub> = 59







**Eingabe: Farbmétrisches Reflexions-System NRS11**

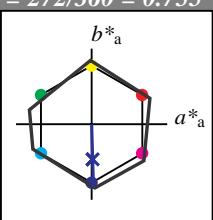
für Bunton  $h^* = lab^*h = 272/360 = 0.755$   
 $lab^*tch$  und  $lab^*nch$

D65: Bunton B

LCH\*Ma: 53 83 272

olv\*Ma: 0.0 0.02 1.0

Dreiecks-Helligkeit  $t^*$



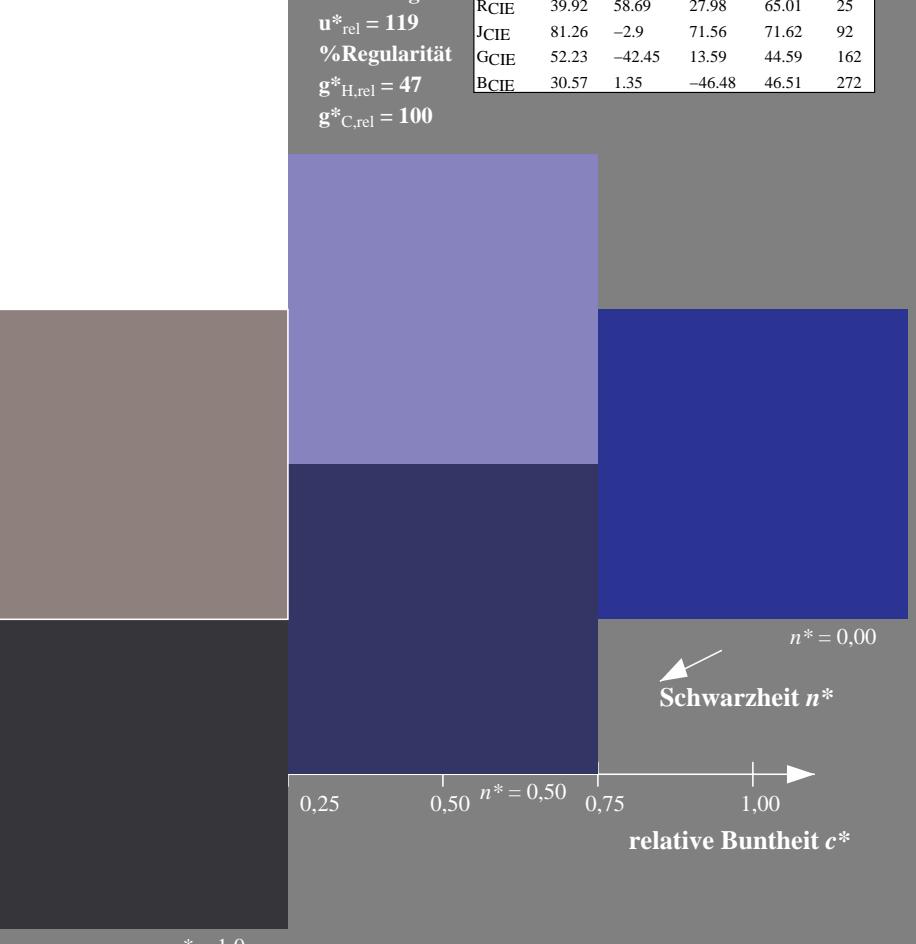
%Umfang

$u^*_{rel} = 119$

%Regularität

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$



UG070-7, 3 stufige Reihen für konstanten CIELAB Bunton 272/360 = 0.755 (links)

BAM-Prüfvorlage UG07; Farbmétrik-Systeme NRS11 & ORS18 input: cmy0\* setcmykcolor

D65: 3stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: no change compared to input

**Ausgabe: Farbmétrisches Reflexions-System ORS18**

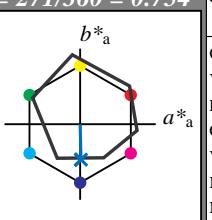
für Bunton  $h^* = lab^*h = 271/360 = 0.754$   
 $lab^*tch$  und  $lab^*nch$

D65: Bunton B

LCH\*Ma: 42 45 271

olv\*Ma: 0.0 0.49 1.0

Dreiecks-Helligkeit  $t^*$



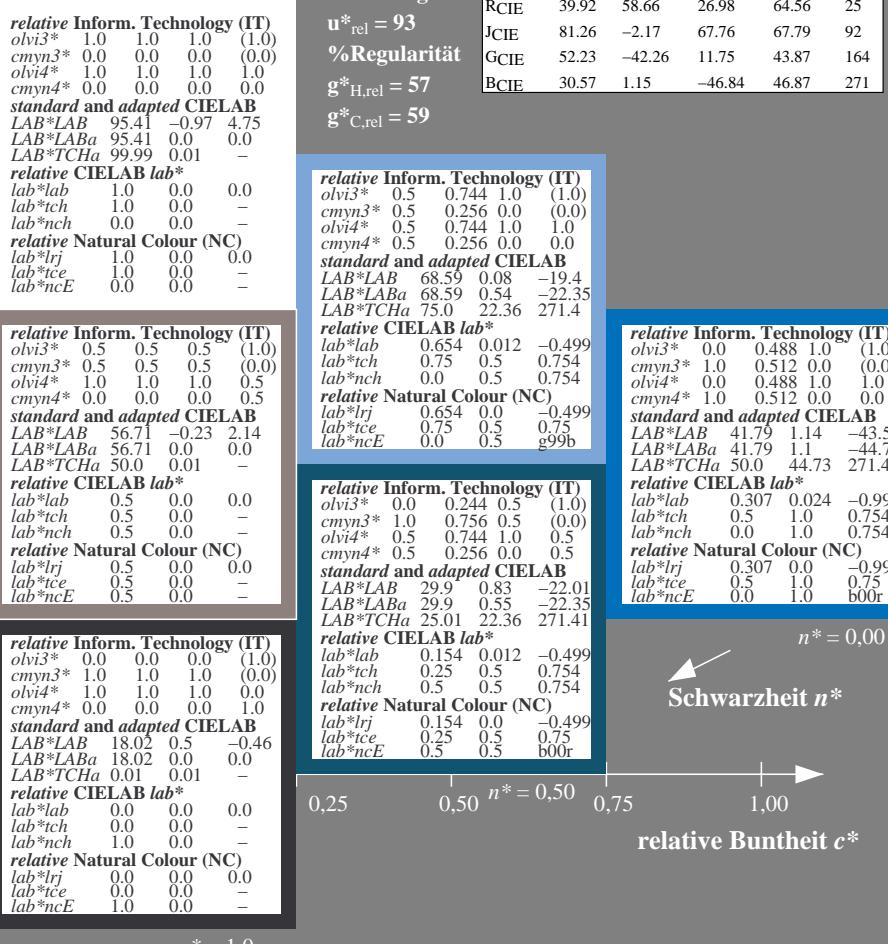
%Umfang

$u^*_{rel} = 93$

%Regularität

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$



3 stufige Reihen für konstanten CIELAB Bunton 271/360 = 0.754 (rechts)

BAM-Prüfvorlage UG07; Farbmétrik-Systeme NRS11 & ORS18 input: cmy0\* setcmykcolor

D65: 3stufige Farbreihen und Koordinaten-Daten für 10 Bunttöneoutput: no change compared to input