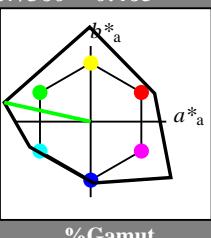
**Input: Colorimetric Reflective System NCS11**for hue  $h^* = lab^*h = 167/360 = 0.465$  $lab^*tch$  and  $lab^*nch$ 

D65: hue G

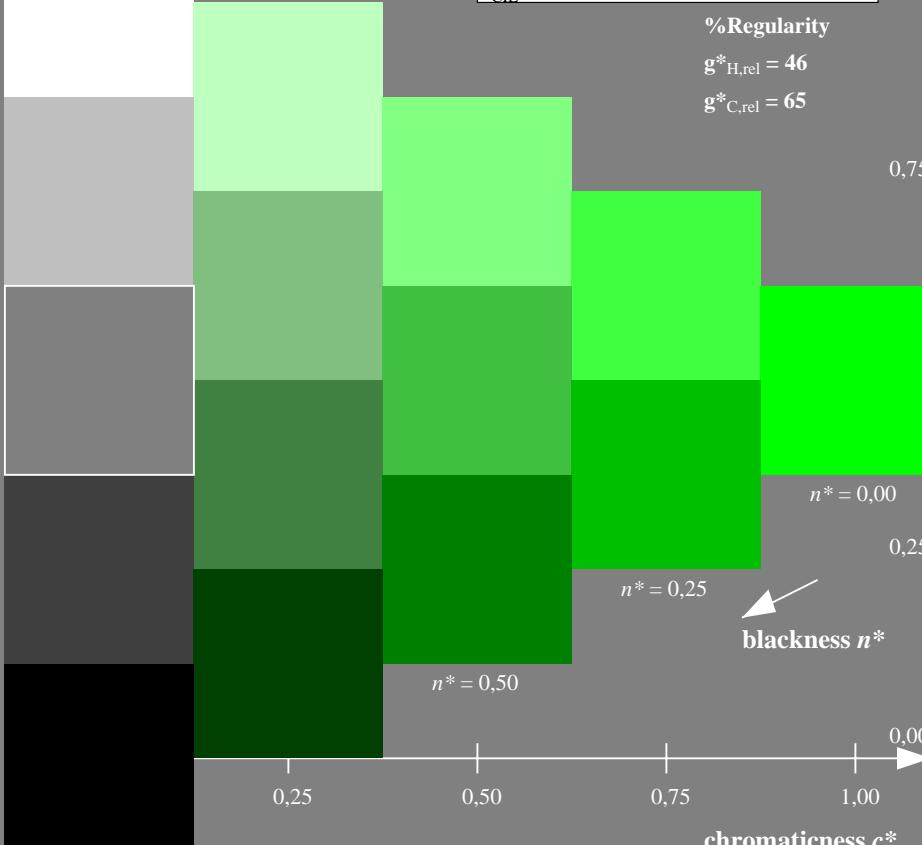
LCH\*Ma: 63 117 167

rgb\*Ma: 0.0 1.0 0.0

triangle lightness

**NCS11; adapted (a) CIELAB data**

	$L^*=L_a^*$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50BMa	59.47	-80.6	-33.45	87.28	203
BMa	49.01	3.65	-81.19	81.28	273
B50RMa	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

**%Regularity** $g^*_{H,rel} = 46$  $g^*_{C,rel} = 65$ 

TE490-7, 5 step scales for constant CIELAB hue 167/360 = 0.465 (left)

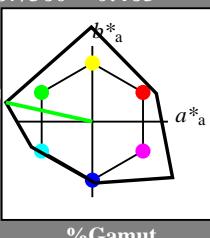
BAM-test chart TE49; Colorimetric systems ORS18 & ORS18  
D65: 5 step colour scales and coordinate data for 10 hues**Output: Colorimetric Reflective System NCS11**for hue  $h^* = lab^*h = 167/360 = 0.465$  $lab^*tch$  and  $lab^*nch$ 

D65: hue G

LCH\*Ma: 63 117 167

rgb\*Ma: 0.0 1.0 0.0

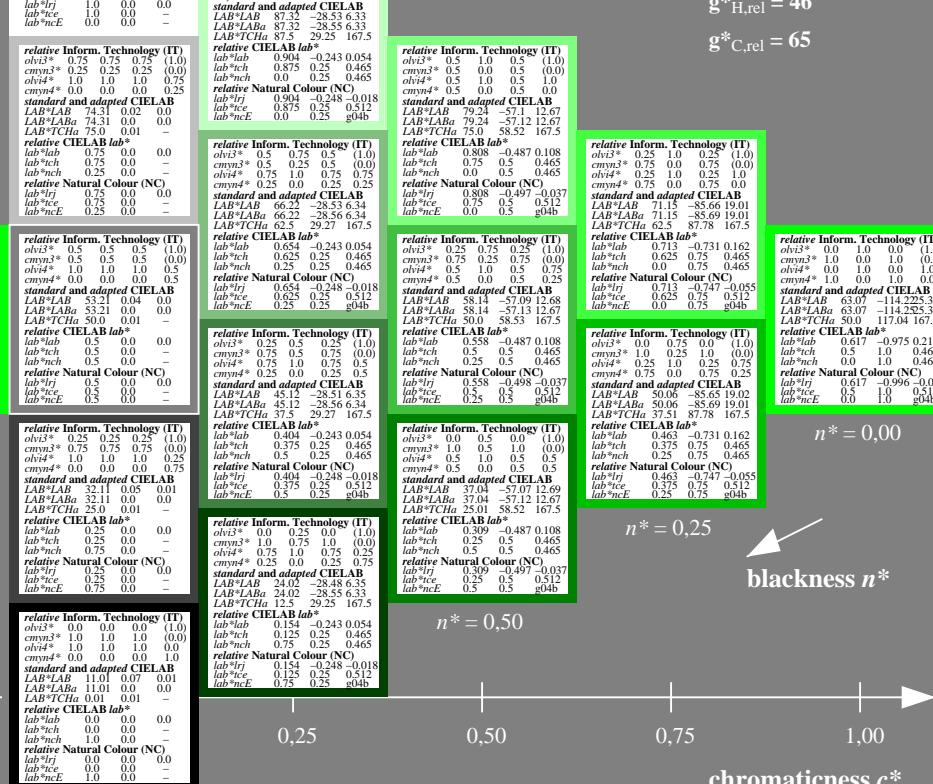
triangle lightness



## 1,00

↑

%Regularity

**%Regularity** $g^*_{H,rel} = 46$  $g^*_{C,rel} = 65$ 

5 step scales for constant CIELAB hue 167/360 = 0.465 (right)

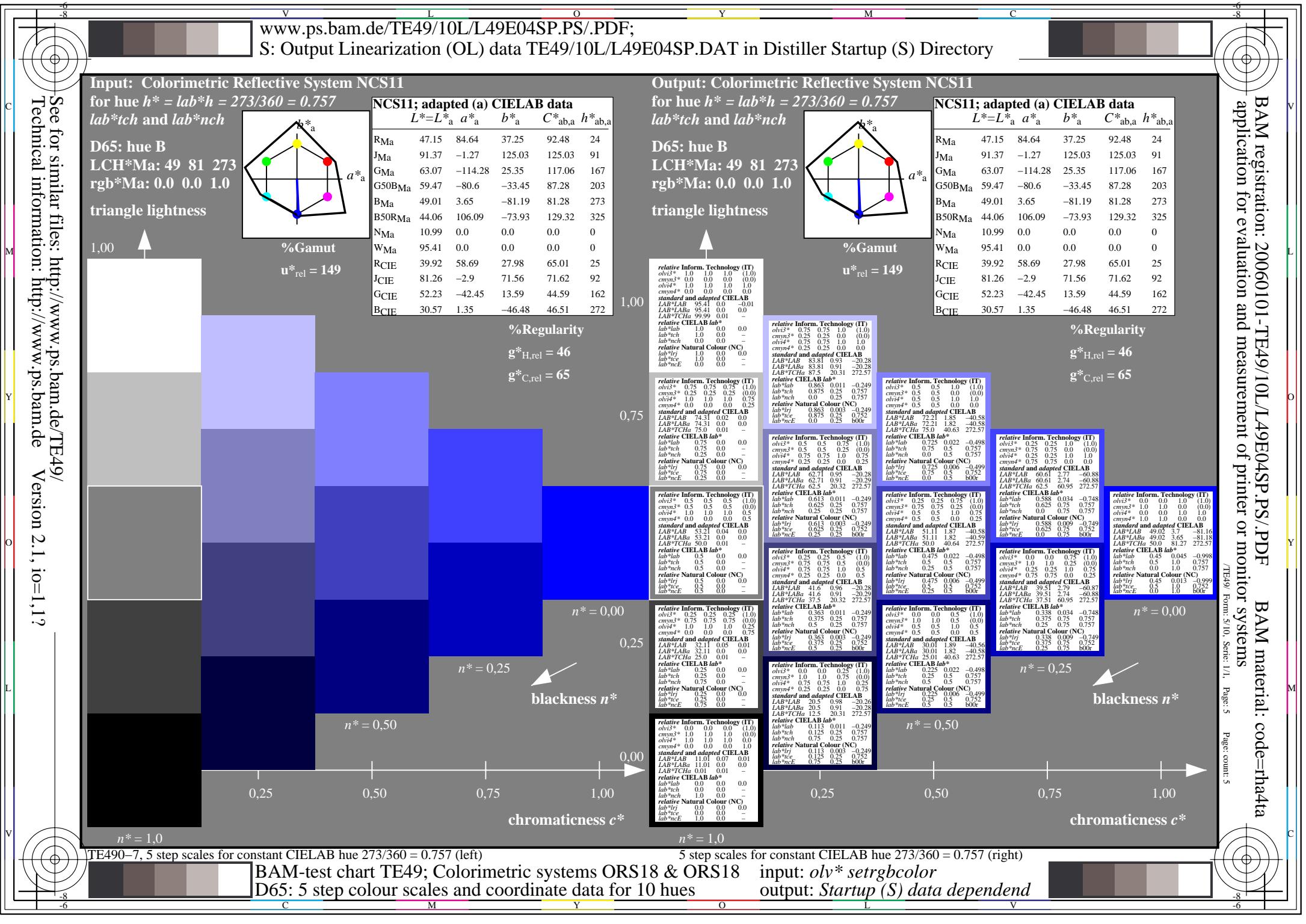
input:  $olv^* setrgbcolor$   
output: Startup (S) data dependend

BAM registration: 20060101-TE49/10L/L49E02SP.PDF  
application for evaluation and measurement of printer or monitor systems

/TE49/ Form: 3/10, Serie: 1/1, Page: 3  
Page: count: 3

Version 2.1, io=1,1?  
relative CIELAB lab\*

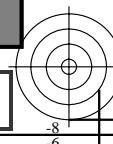






BAM registration: 20060101-TE49/10L/L49E05SP.PDF  
application for evaluation and measurement of printer or monitor systems

/TE49/  
Form: 6/10, Serie: 1/1, Page: 6  
Page: count: 6


**Input: Colorimetric Reflective System NCS11**

 for hue  $h^* = lab^*h = 325/360 = 0.903$ 
 $lab^*tch$  and  $lab^*nch$ 

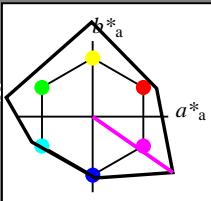
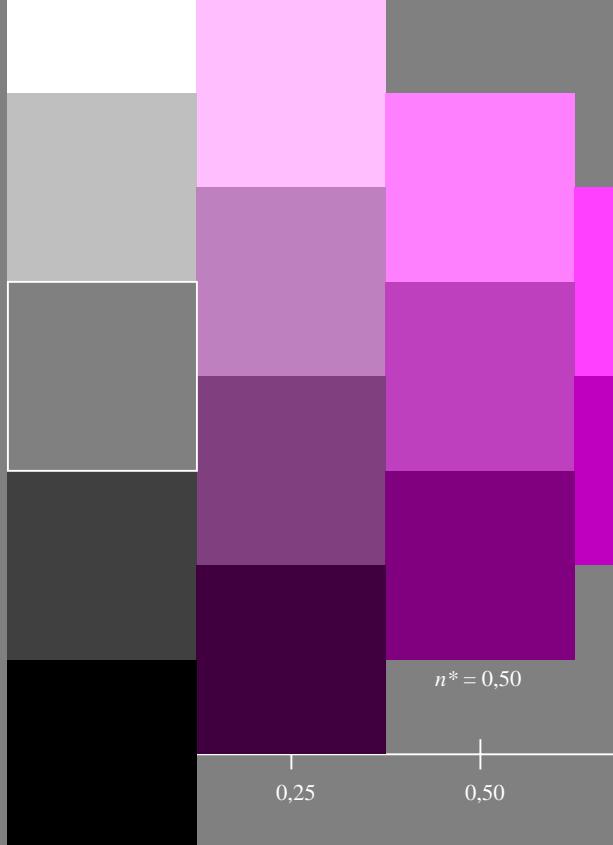
D65: hue B50R

LCH\*Ma: 44 129 325

rgb\*Ma: 1.0 0.0 1.0

triangle lightness

1,00


 %Gamut  
 $u^*_{rel} = 149$ 

 $n^* = 0,50$ 

 chromaticness  $c^*$ 

TE490-7, 5 step scales for constant CIELAB hue 325/360 = 0.903 (left)

 BAM-test chart TE49; Colorimetric systems ORS18 & ORS18  
D65: 5 step colour scales and coordinate data for 10 hues

**Output: Colorimetric Reflective System NCS11**

 for hue  $h^* = lab^*h = 325/360 = 0.903$ 
 $lab^*tch$  and  $lab^*nch$ 

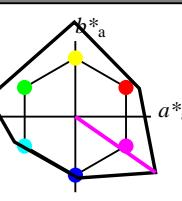
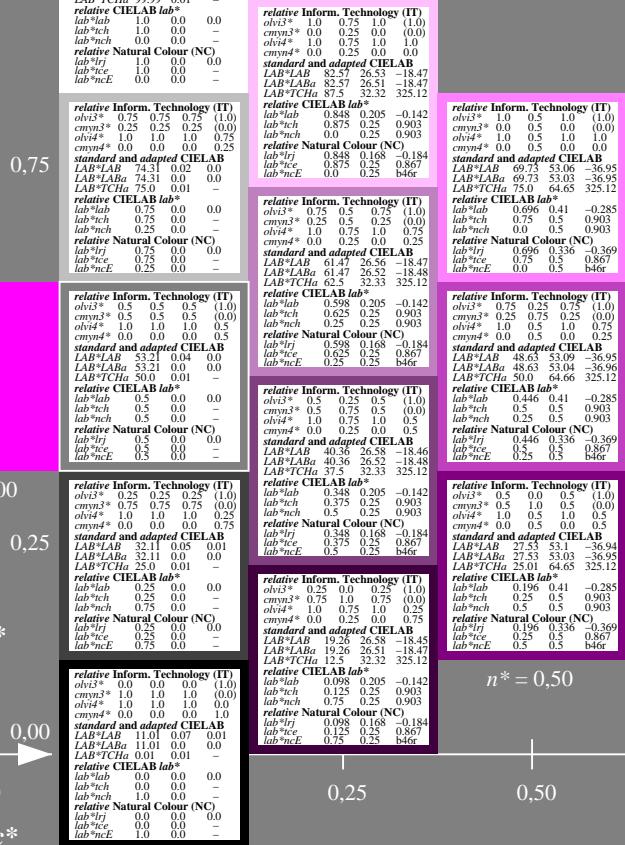
D65: hue B50R

LCH\*Ma: 44 129 325

rgb\*Ma: 1.0 0.0 1.0

triangle lightness

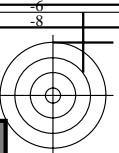
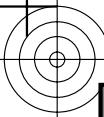
1,00


 %Gamut  
 $u^*_{rel} = 149$ 

 $n^* = 1,0$ 
 $n^* = 1,0$ 

BAM material: code=rha4ta

5 step scales for constant CIELAB hue 325/360 = 0.903 (right)

 input:  $olv^*$  setrgbcolor  
output: Startup (S) data dependend



**Input: Colorimetric Reflective System NCS11**

for hue  $h^* = lab^*h = 25/360 = 0.071$

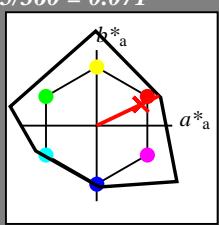
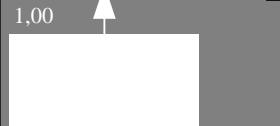
$lab^*tch$  and  $lab^*nch$

D65: hue R

LCH\*Ma: 48 91 25

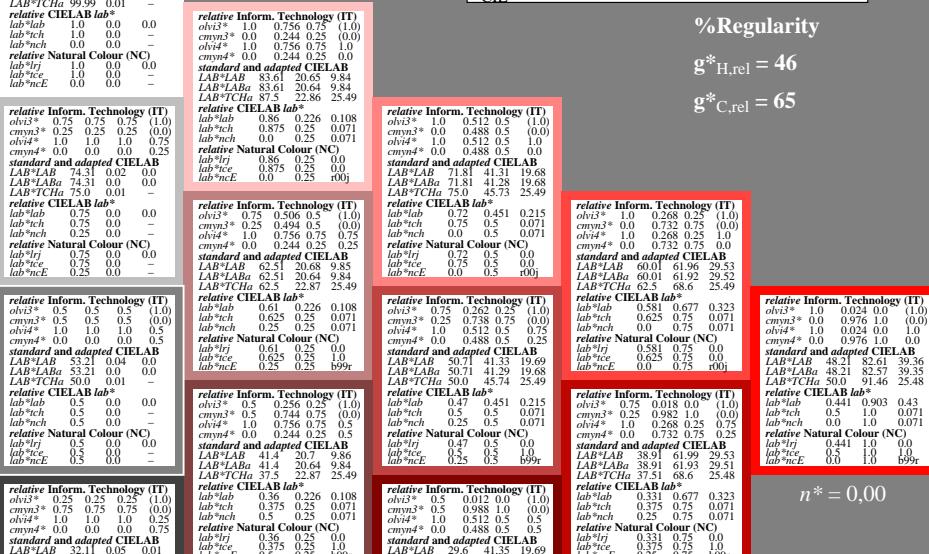
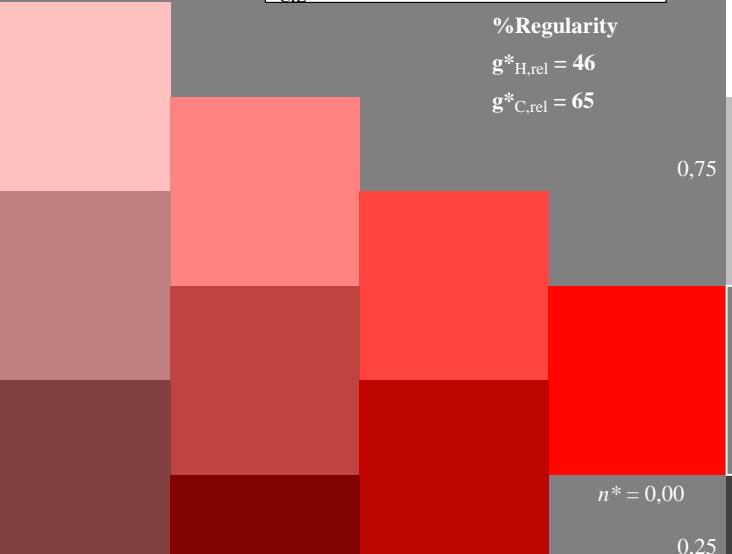
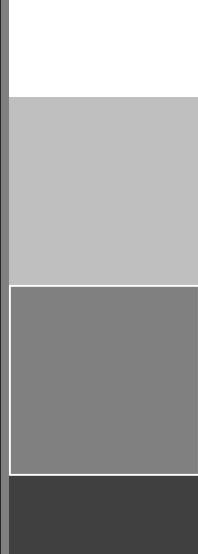
rgb\*Ma: 1.0 0.02 0.0

triangle lightness



NCS11; adapted (a) CIELAB data

	$L^*=L_a^*$	$a^*_a$	$b^*_a$	$C_{ab,a}^*$	$h_{ab,a}^*$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50BMa	59.47	-80.6	-33.45	87.28	203
BMa	49.01	3.65	-81.19	81.28	273
B50RMa	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272



blackness  $n^*$

chromaticness  $c^*$

$n^* = 1,0$

0,00

$n^* = 0,50$

0,25

$n^* = 0,00$

0,25

$n^* = 0,25$

0,50

$n^* = 1,0$

0,00

$n^* = 0,50$

0,25

chromaticness  $c^*$

$n^* = 0,00$

$n^* = 0,25$

blackness  $n^*$

TE490-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

5 step scales for constant CIELAB hue 25/360 = 0.071 (right)

BAM-test chart TE49; Colorimetric systems ORS18 & ORS18  
D65: 5 step colour scales and coordinate data for 10 hues

input:  $olv^* \text{setrgbcolor}$   
output: Startup (S) data dependend

See for similar files: <http://www.ps.bam.de/TE49/>

Technical information: <http://www.ps.bam.de>

Version 2.1, io=1,1?

BAM registration: 20060101-TE49/10L/L49E06SP.PS./PDF  
application for evaluation and measurement of printer or monitor systems  
/TE49/ Form: 7/10, Serie: 1/1, Page: 7  
Page: count: 7 BAM material: code=rha4ta



Input: Colorimetric Reflective System NCS11

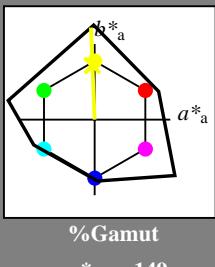
for hue  $h^* = lab^*h = 92/360 = 0.256$  $lab^*tch$  and  $lab^*nch$ 

D65: hue J

LCH\*Ma: 90 122 92

rgb\*Ma: 0.97 1.0 0.0

triangle lightness

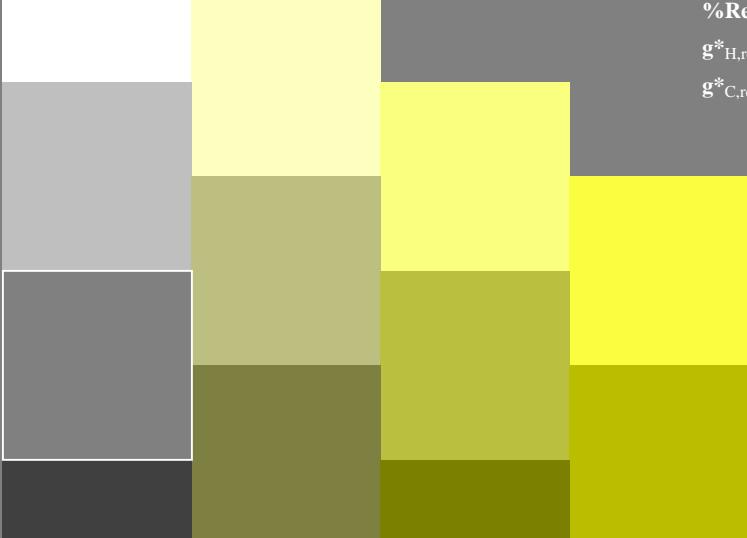


## NCS11; adapted (a) CIELAB data

	$L^*$	$a^*$	$b^*$	$C^*$	$h^*$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50BMa	59.47	-80.6	-33.45	87.28	203
BMa	49.01	3.65	-81.19	81.28	273
B50RMa	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272



## %Regularity

 $g^*_{H,rel} = 46$  $g^*_{C,rel} = 65$  $n^* = 0,00$  $n^* = 0,25$  $n^* = 0,50$  $n^* = 1,00$  $chromaticness c^*$  $n^* = 1,0$ 

## Output: Colorimetric Reflective System NCS11

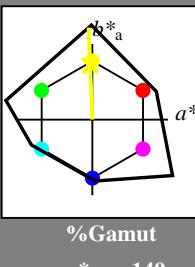
for hue  $h^* = lab^*h = 92/360 = 0.256$  $lab^*tch$  and  $lab^*nch$ 

D65: hue J

LCH\*Ma: 90 122 92

rgb\*Ma: 0.97 1.0 0.0

triangle lightness



## %Regularity

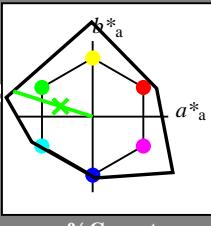
 $g^*_{H,rel} = 46$  $g^*_{C,rel} = 65$ 

	$L^*$	$a^*$	$b^*$	$C^*$	$h^*$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50BMa	59.47	-80.6	-33.45	87.28	203
BMa	49.01	3.65	-81.19	81.28	273
B50RMa	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

	$L^*$	$a^*$	$b^*$	$C^*$	$h^*$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50BMa	59.47	-80.6	-33.45	87.28	203
BMa	49.01	3.65	-81.19	81.28	273
B50RMa	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

 $n^* = 0,00$  $n^* = 0,25$  $n^* = 0,50$  $n^* = 1,00$ 

BAM registration: 20060101-TE49/10L/L49E07SP.PS/.PDF  
application for evaluation and measurement of printer or monitor systems  
/TE49/ Form: 8/10, Serie: 1/1, Page: 8  
Page: count: 8  
BAM material: code=rha4ta

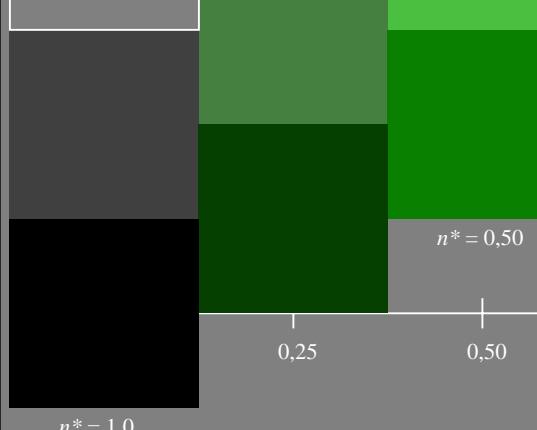
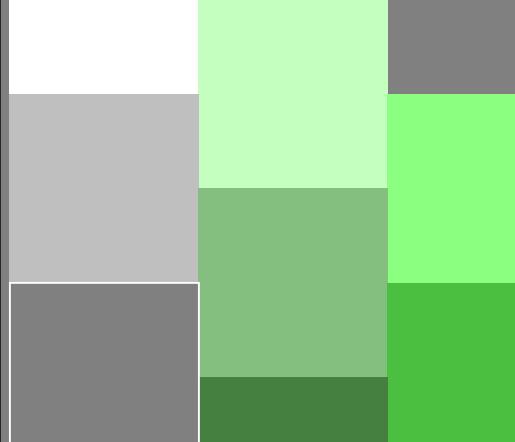
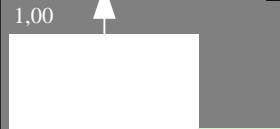
**Input:** Colorimetric Reflective System NCS11for hue  $h^* = lab^*h = 162/360 = 0.451$  $lab^{*tch}$  and  $lab^{*nch}$ 

D65: hue G

LCH\*Ma: 65 110 162

rgb\*Ma: 0.08 1.0 0.0

triangle lightness

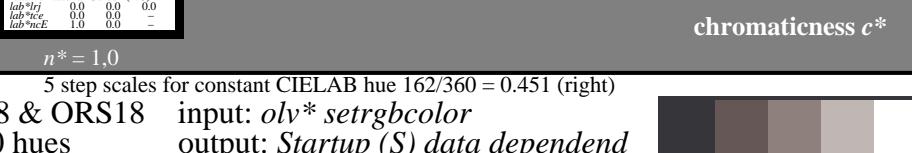
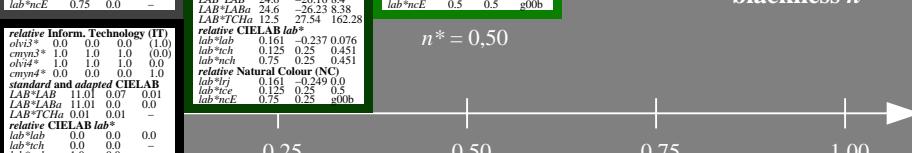
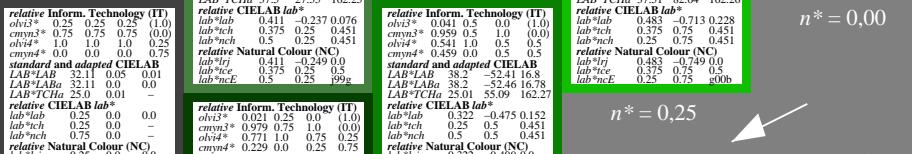
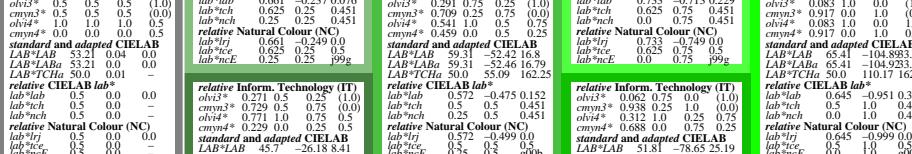
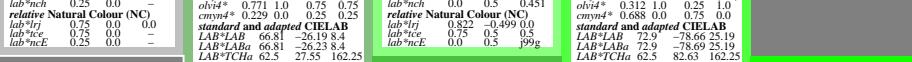
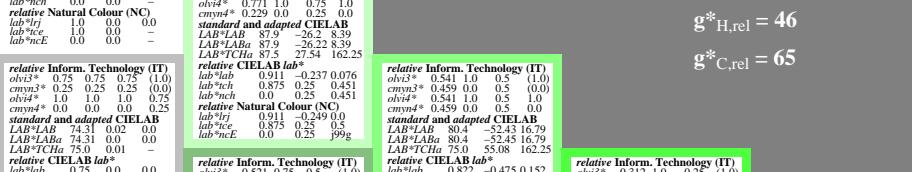
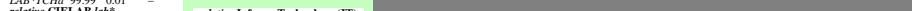
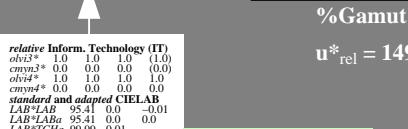
**Output:** Colorimetric Reflective System NCS11for hue  $h^* = lab^*h = 162/360 = 0.451$  $lab^{*tch}$  and  $lab^{*nch}$ 

D65: hue G

LCH\*Ma: 65 110 162

rgb\*Ma: 0.08 1.0 0.0

triangle lightness



TE490-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

input:  $olv^*$  setrgbcolor

output: Startup (S) data dependend

