

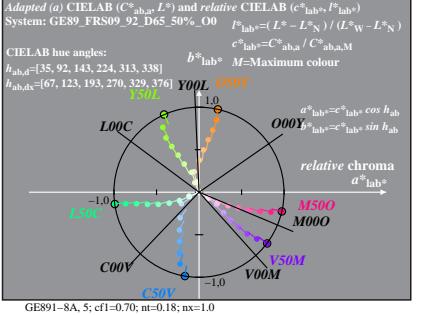
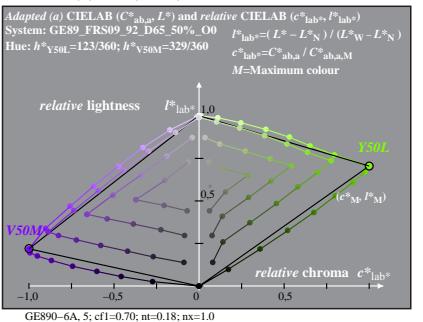
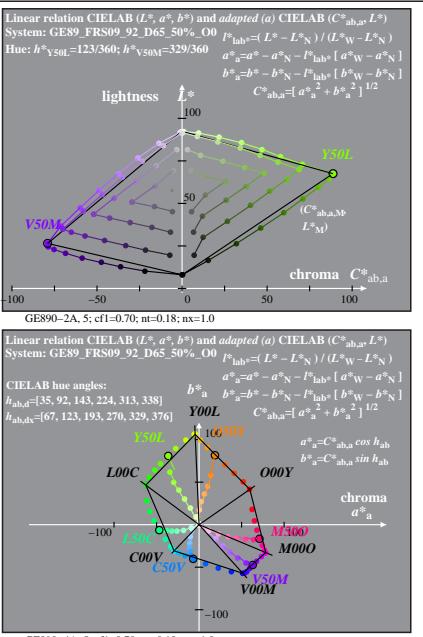
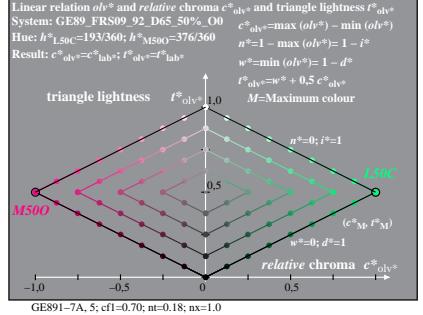
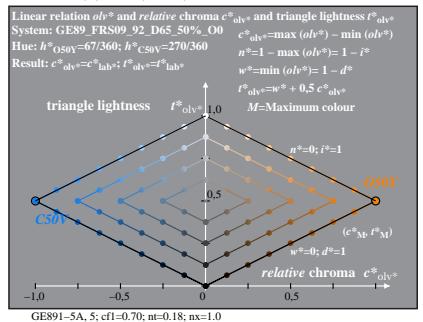
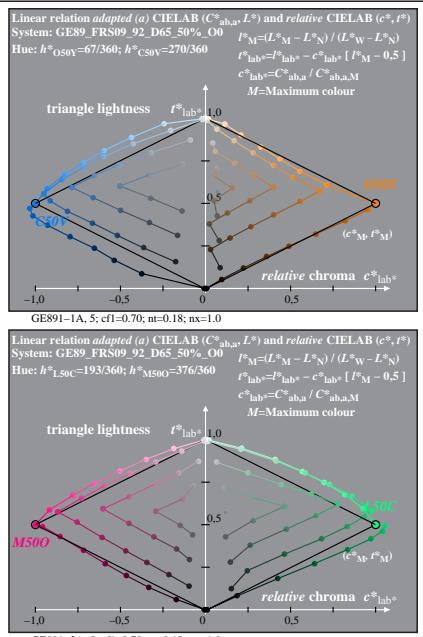
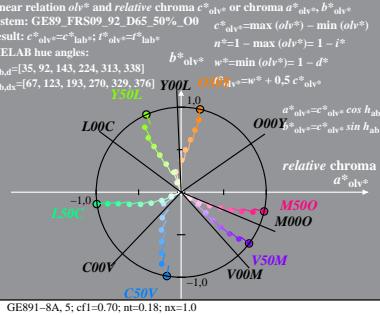
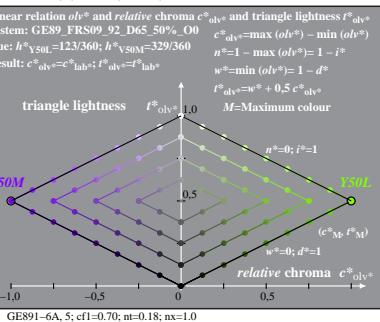
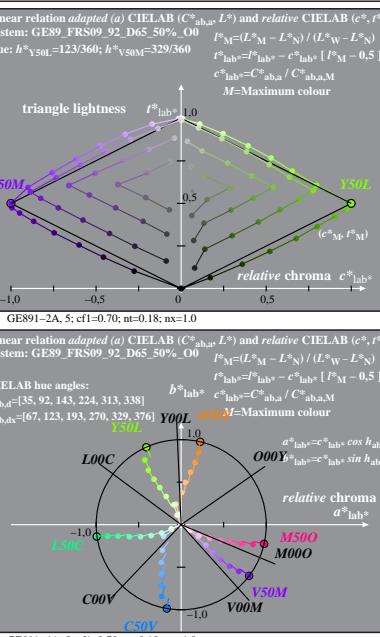
TUB registration: 20091101-GE89/GE89L0NA.PS .TXT

TUB material: code=rha4ta

TUB application for evaluation and measurement of printer or monitor systems

V 2.1, io=1,1, Cx=0; cf1=0,70; nt=0,18; nx=1,0

C -8 -6 -4 -2 0 2 4 6 8



http://130.149.60.45/~farbmefrik/GE89/GE89L0NA.PS .TXT, Page 5/8; FRS09_92, L*=09_92; start ut

N: No Output Linearization (OL) data in File (F), Startup (S) or Device (D)

TUB-test chart GE89; Relative Device Colour System O
9 step series; photo printer; 4 separations + 4 linearisations

input: $rgb \rightarrow olv^*$
output: no change compared to input

6 8

See original or copy: http://web.me.com/klaus_richter/GE89/GE89L0NA.PS .TXT
Technical information: http://www.ps.bam.de

Linear relation CIELAB (L^*, a^*, b^*) and adapted (a) CIELAB ($C^*_{ab,a}, L^*$)

System: GE89_FRS09_92_D65_50%_O0
Hue: $h^*_{Y50L}=123/360$; $h^*_{CS0Y}=329/360$

$I^*_{lab}=(L^*-L^*_{N}) / (L^*_{W}-L^*_{N})$
 $a^*_{ab,a}=a^*-a^*_{N}-I^*_{lab} / [a^*_{W}-a^*_{N}]$
 $b^*_{ab,a}=b^*-b^*_{N}-I^*_{lab} / [b^*_{W}-b^*_{N}]$
 $C^*_{ab,a}=[a^*_{ab,a}^2+b^*_{ab,a}^2]^{1/2}$

triangle lightness t^*_{lab}

relative chroma $c^*_{ab,a}$

GE890-1A, 5; cf1=0,70; nt=0,18; nx=1,0

Linear relation CIELAB (L^*, a^*, b^*) and adapted (a) CIELAB ($C^*_{ab,a}, L^*$)

System: GE89_FRS09_92_D65_50%_O0
Hue: $h^*_{Y50L}=123/360$; $h^*_{CS0Y}=329/360$

$I^*_{lab}=(L^*-L^*_{N}) / (L^*_{W}-L^*_{N})$
 $a^*_{ab,a}=a^*-a^*_{N}-I^*_{lab} / [a^*_{W}-a^*_{N}]$
 $b^*_{ab,a}=b^*-b^*_{N}-I^*_{lab} / [b^*_{W}-b^*_{N}]$
 $C^*_{ab,a}=[a^*_{ab,a}^2+b^*_{ab,a}^2]^{1/2}$

triangle lightness t^*_{lab}

relative chroma $c^*_{ab,a}$

GE890-3A, 5; cf1=0,70; nt=0,18; nx=1,0

Linear relation CIELAB (L^*, a^*, b^*) and adapted (a) CIELAB ($C^*_{ab,a}, L^*$)

System: GE89_FRS09_92_D65_50%_O0
Hue: $h^*_{Y50L}=123/360$; $h^*_{CS0Y}=329/360$

$I^*_{lab}=(L^*-L^*_{N}) / (L^*_{W}-L^*_{N})$
 $c^*_{lab}=C^*_{ab,a} / C^*_{ab,M}$
 $M=\text{Maximum colour}$

triangle lightness t^*_{lab}

relative chroma $c^*_{ab,a}$

GE891-2A, 5; cf1=0,70; nt=0,18; nx=1,0

Linear relation CIELAB (L^*, a^*, b^*) and adapted (a) CIELAB ($C^*_{ab,a}, L^*$)

System: GE89_FRS09_92_D65_50%_O0
Hue: $h^*_{Y50L}=123/360$; $h^*_{CS0Y}=329/360$

$I^*_{lab}=(L^*-L^*_{N}) / (L^*_{W}-L^*_{N})$
 $c^*_{lab}=C^*_{ab,a} / C^*_{ab,M}$
 $M=\text{Maximum colour}$

triangle lightness t^*_{lab}

relative chroma $c^*_{ab,a}$

GE891-4A, 5; cf1=0,70; nt=0,18; nx=1,0

Linear relation CIELAB (L^*, a^*, b^*) and adapted (a) CIELAB ($C^*_{ab,a}, L^*$)

System: GE89_FRS09_92_D65_50%_O0
Hue: $h^*_{Y50L}=123/360$; $h^*_{CS0Y}=329/360$

$I^*_{lab}=(L^*-L^*_{N}) / (L^*_{W}-L^*_{N})$
 $c^*_{lab}=C^*_{ab,a} / C^*_{ab,M}$
 $M=\text{Maximum colour}$

triangle lightness t^*_{lab}

relative chroma $c^*_{ab,a}$

GE891-7A, 5; cf1=0,70; nt=0,18; nx=1,0

Linear relation CIELAB (L^*, a^*, b^*) and adapted (a) CIELAB ($C^*_{ab,a}, L^*$)

System: GE89_FRS09_92_D65_50%_O0
Hue: $h^*_{Y50L}=123/360$; $h^*_{CS0Y}=329/360$

$I^*_{lab}=(L^*-L^*_{N}) / (L^*_{W}-L^*_{N})$
 $a^*_{ab,a}=a^*-a^*_{N}-I^*_{lab} / [a^*_{W}-a^*_{N}]$
 $b^*_{ab,a}=b^*-b^*_{N}-I^*_{lab} / [b^*_{W}-b^*_{N}]$
 $C^*_{ab,a}=[a^*_{ab,a}^2+b^*_{ab,a}^2]^{1/2}$

triangle lightness t^*_{lab}

relative chroma $c^*_{ab,a}$

GE890-7A; Measurement: GE89_FRS09_92_D65_50%_O0_LU.DAT, 243 colours, 090115, Separation olv^* , adapted

TUB registration: 20091101-GE89/GE89L0NA.PS .TXT

TUB material: code=rha4ta

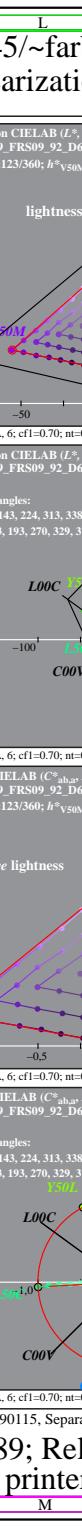
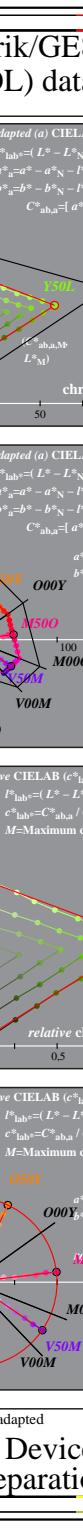
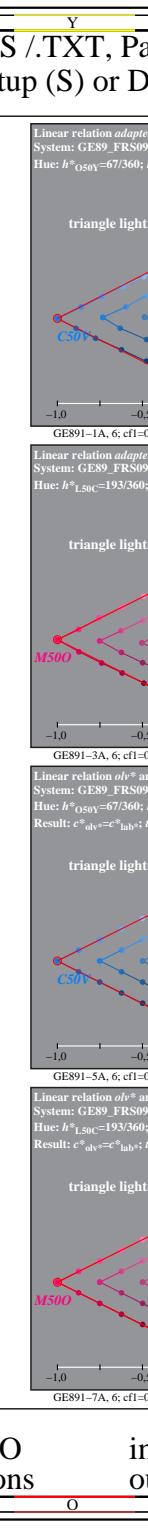
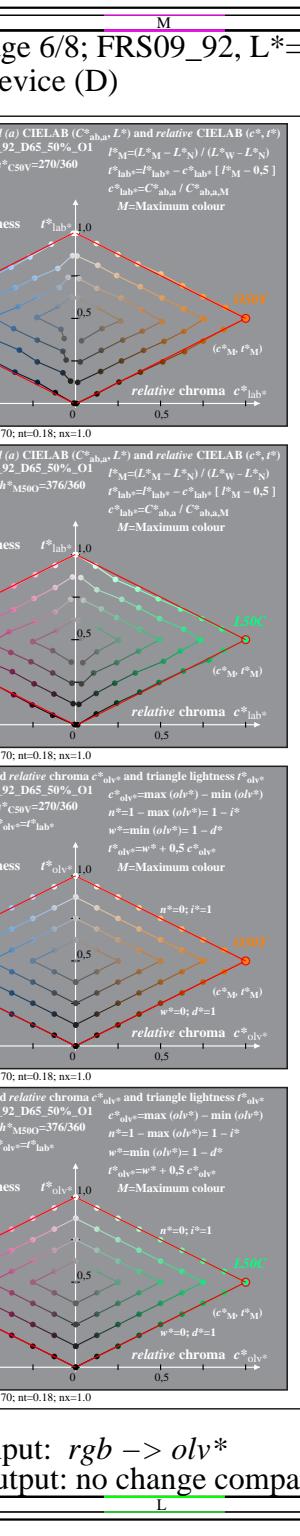
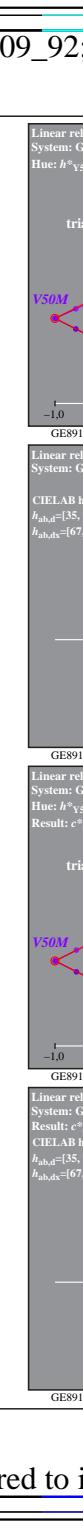
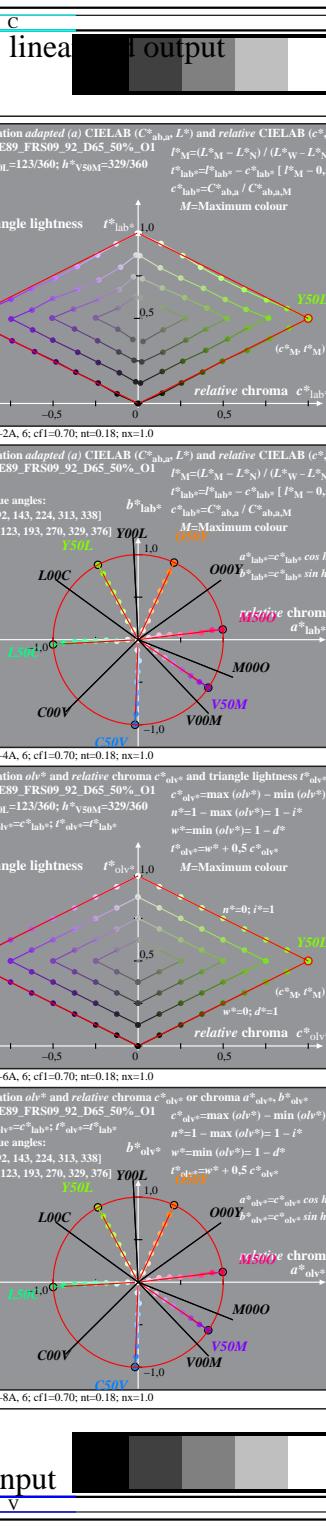
application for evaluation and measurement of printer or monitor systems

V 2.1, io=1,1, Cx=0; cf1=0,70; nt=0,18; nx=1,0

C -8 -6 -4 -2 0 2 4 6 8

input: $rgb \rightarrow olv^*$

output: no change compared to input



Linear relation CIELAB (L^*, a^*, b^*) and adapted (a) CIELAB ($C^*_{ab,a}, L^*$)
System: GE89_FRS09_92_D65_50%_OI
 $I^*_{lab}=(L^*-L^*_{N}) / (L^*_{W}-L^*_{N})$
Hue: $h^*_{O50Y}=67/360$; $h^*_{CS0Y}=270/360$
 $a^*_{ab,a}=a^*-a^*_{N}$; $I^*_{lab}=(a^*_{W}-a^*_{N})$
 $b^*_{ab,a}=b^*-b^*_{N}$; $I^*_{lab}=(b^*_{W}-b^*_{N})$
 $C^*_{ab,a}=[(a^*_{ab,a})^2 + (b^*_{ab,a})^2]^{1/2}$

lightness L^* chroma $C^*_{ab,a}$

GE890-1A, 6; cf1=0,70; nt=0,18; nx=1,0

Linear relation CIELAB (L^*, a^*, b^*) and adapted (a) CIELAB ($C^*_{ab,a}, L^*$)
System: GE89_FRS09_92_D65_50%_OI
 $I^*_{lab}=(L^*-L^*_{N}) / (L^*_{W}-L^*_{N})$
Hue: $h^*_{O50Y}=67/360$; $h^*_{CS0Y}=270/360$
 $a^*_{ab,a}=a^*-a^*_{N}$; $I^*_{lab}=(a^*_{W}-a^*_{N})$
 $b^*_{ab,a}=b^*-b^*_{N}$; $I^*_{lab}=(b^*_{W}-b^*_{N})$
 $C^*_{ab,a}=[(a^*_{ab,a})^2 + (b^*_{ab,a})^2]^{1/2}$

lightness L^* chroma $C^*_{ab,a}$

GE890-2A, 6; cf1=0,70; nt=0,18; nx=1,0

Linear relation CIELAB (L^*, a^*, b^*) and adapted (a) CIELAB ($C^*_{ab,a}, L^*$)
System: GE89_FRS09_92_D65_50%_OI
 $I^*_{lab}=(L^*-L^*_{N}) / (L^*_{W}-L^*_{N})$
Hue: $h^*_{O50Y}=67/360$; $h^*_{CS0Y}=270/360$
 $a^*_{ab,a}=a^*-a^*_{N}$; $I^*_{lab}=(a^*_{W}-a^*_{N})$
 $b^*_{ab,a}=b^*-b^*_{N}$; $I^*_{lab}=(b^*_{W}-b^*_{N})$
 $C^*_{ab,a}=[(a^*_{ab,a})^2 + (b^*_{ab,a})^2]^{1/2}$

lightness L^* chroma $C^*_{ab,a}$

GE890-3A, 6; cf1=0,70; nt=0,18; nx=1,0

Linear relation CIELAB (L^*, a^*, b^*) and adapted (a) CIELAB ($C^*_{ab,a}, L^*$)
System: GE89_FRS09_92_D65_50%_OI
 $I^*_{lab}=(L^*-L^*_{N}) / (L^*_{W}-L^*_{N})$
Hue: $h^*_{O50Y}=67/360$; $h^*_{CS0Y}=270/360$
 $a^*_{ab,a}=a^*-a^*_{N}$; $I^*_{lab}=(a^*_{W}-a^*_{N})$
 $b^*_{ab,a}=b^*-b^*_{N}$; $I^*_{lab}=(b^*_{W}-b^*_{N})$
 $C^*_{ab,a}=[(a^*_{ab,a})^2 + (b^*_{ab,a})^2]^{1/2}$

lightness L^* chroma $C^*_{ab,a}$

GE890-4A, 6; cf1=0,70; nt=0,18; nx=1,0

Linear relation CIELAB (L^*, a^*, b^*) and adapted (a) CIELAB ($C^*_{ab,a}, L^*$)
System: GE89_FRS09_92_D65_50%_OI
 $I^*_{lab}=(L^*-L^*_{N}) / (L^*_{W}-L^*_{N})$
Hue: $h^*_{O50Y}=67/360$; $h^*_{CS0Y}=270/360$
 $a^*_{ab,a}=a^*-a^*_{N}$; $I^*_{lab}=(a^*_{W}-a^*_{N})$
 $b^*_{ab,a}=b^*-b^*_{N}$; $I^*_{lab}=(b^*_{W}-b^*_{N})$
 $C^*_{ab,a}=[(a^*_{ab,a})^2 + (b^*_{ab,a})^2]^{1/2}$

lightness L^* chroma $C^*_{ab,a}$

GE890-5A, 6; cf1=0,70; nt=0,18; nx=1,0

Linear relation CIELAB (L^*, a^*, b^*) and adapted (a) CIELAB ($C^*_{ab,a}, L^*$)
System: GE89_FRS09_92_D65_50%_OI
 $I^*_{lab}=(L^*-L^*_{N}) / (L^*_{W}-L^*_{N})$
Hue: $h^*_{O50Y}=67/360$; $h^*_{CS0Y}=270/360$
 $a^*_{ab,a}=a^*-a^*_{N}$; $I^*_{lab}=(a^*_{W}-a^*_{N})$
 $b^*_{ab,a}=b^*-b^*_{N}$; $I^*_{lab}=(b^*_{W}-b^*_{N})$
 $C^*_{ab,a}=[(a^*_{ab,a})^2 + (b^*_{ab,a})^2]^{1/2}$

lightness L^* chroma $C^*_{ab,a}$

GE890-6A, 6; cf1=0,70; nt=0,18; nx=1,0

Linear relation CIELAB (L^*, a^*, b^*) and adapted (a) CIELAB ($C^*_{ab,a}, L^*$)
System: GE89_FRS09_92_D65_50%_OI
 $I^*_{lab}=(L^*-L^*_{N}) / (L^*_{W}-L^*_{N})$
Hue: $h^*_{O50Y}=67/360$; $h^*_{CS0Y}=270/360$
 $a^*_{ab,a}=a^*-a^*_{N}$; $I^*_{lab}=(a^*_{W}-a^*_{N})$
 $b^*_{ab,a}=b^*-b^*_{N}$; $I^*_{lab}=(b^*_{W}-b^*_{N})$
 $C^*_{ab,a}=[(a^*_{ab,a})^2 + (b^*_{ab,a})^2]^{1/2}$

lightness L^* chroma $C^*_{ab,a}$

GE890-7A, 6; cf1=0,70; nt=0,18; nx=1,0

Linear relation CIELAB (L^*, a^*, b^*) and adapted (a) CIELAB ($C^*_{ab,a}, L^*$)
System: GE89_FRS09_92_D65_50%_OI
 $I^*_{lab}=(L^*-L^*_{N}) / (L^*_{W}-L^*_{N})$
Hue: $h^*_{O50Y}=67/360$; $h^*_{CS0Y}=270/360$
 $a^*_{ab,a}=a^*-a^*_{N}$; $I^*_{lab}=(a^*_{W}-a^*_{N})$
 $b^*_{ab,a}=b^*-b^*_{N}$; $I^*_{lab}=(b^*_{W}-b^*_{N})$
 $C^*_{ab,a}=[(a^*_{ab,a})^2 + (b^*_{ab,a})^2]^{1/2}$

lightness L^* chroma $C^*_{ab,a}$

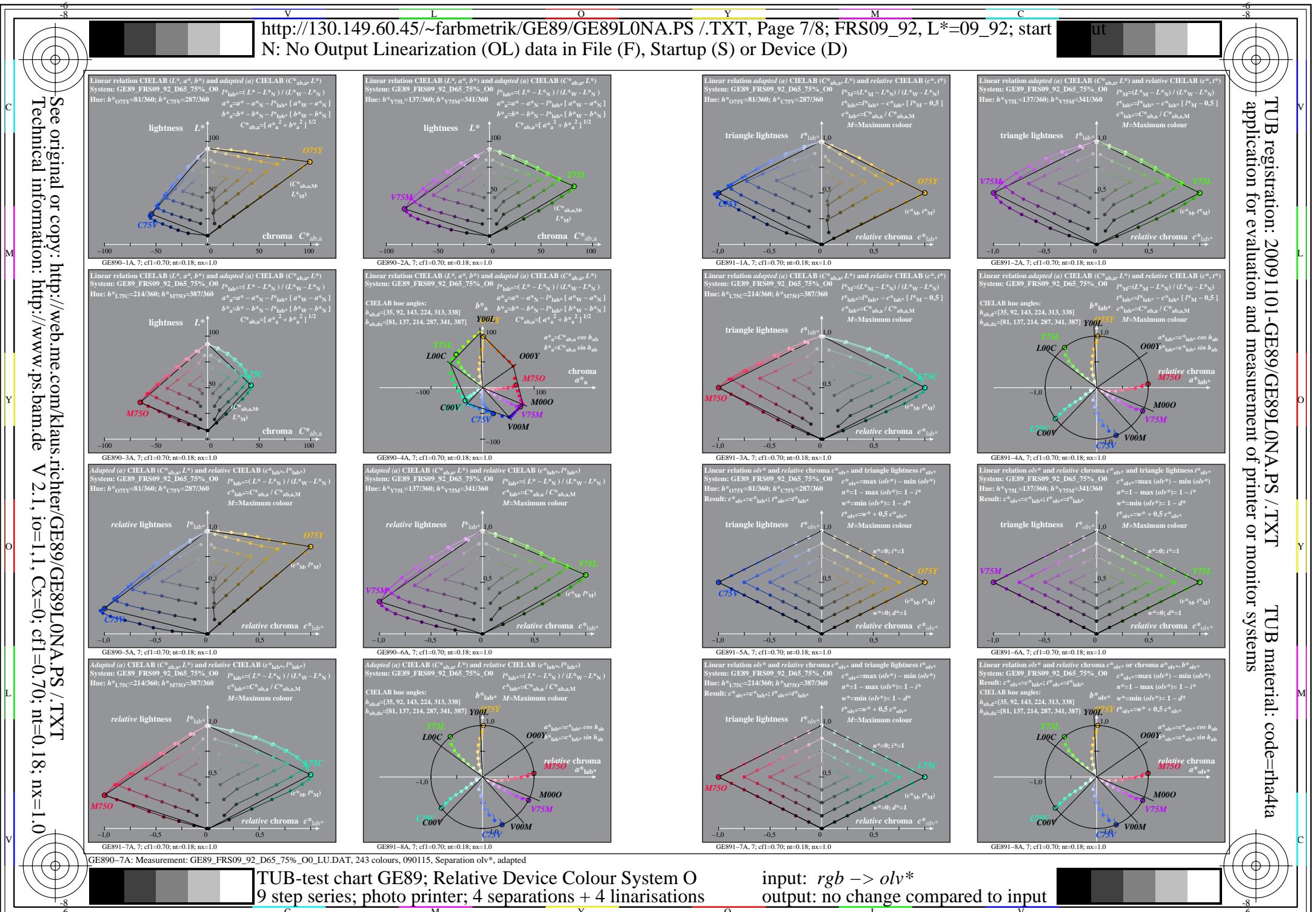
GE890-8A, 6; cf1=0,70; nt=0,18; nx=1,0

See original or copy: http://www.me.com/klaus_richter/GE89/GE89L0NA.PS .TXT

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

C -8 -6 -4 -2 0 2 4 6 8

V



TUB registration: 20091101-GE89/GE89L0NA.PS .TXT

TUB material: code=rha4ta

TUB application for evaluation and measurement of printer or monitor systems

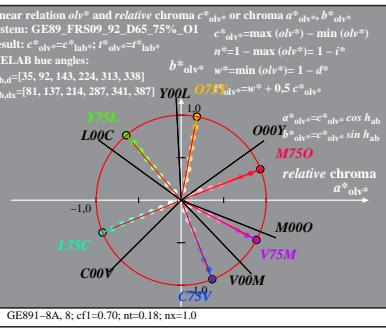
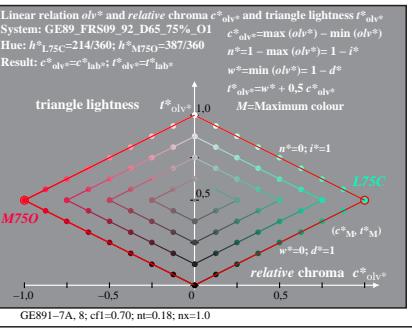
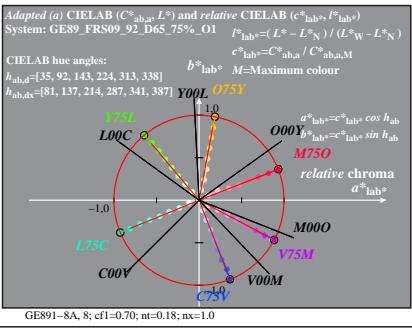
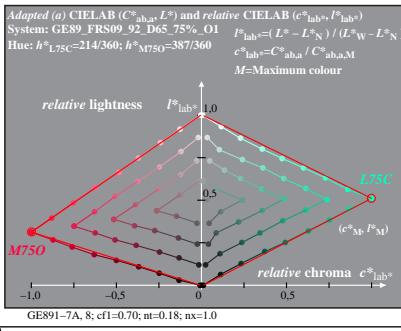
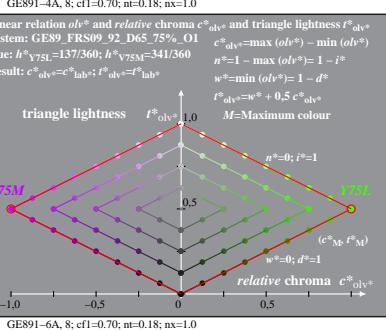
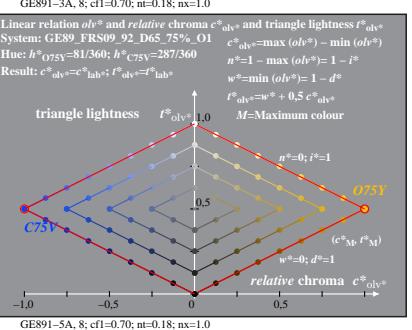
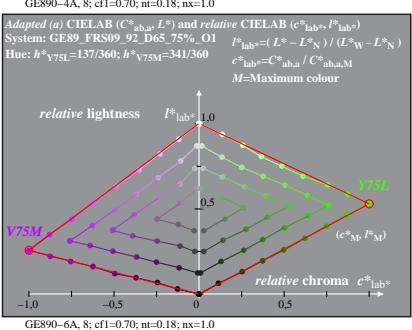
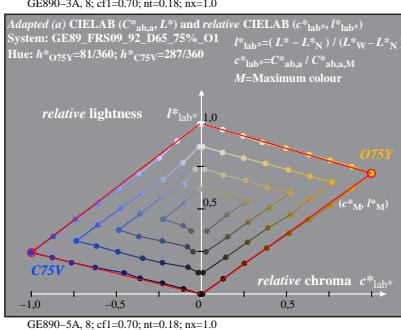
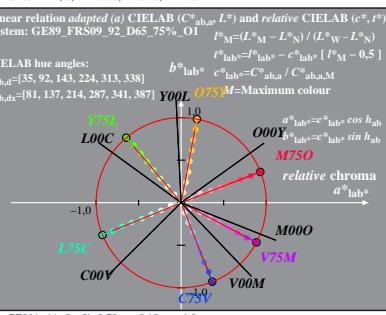
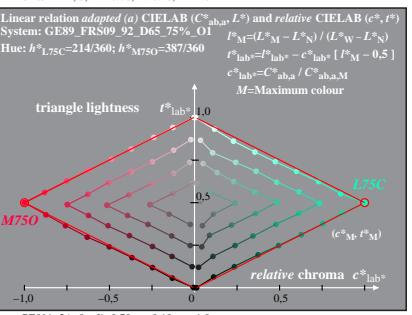
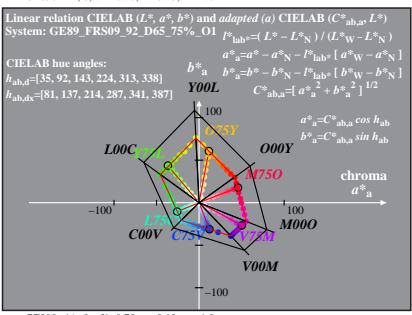
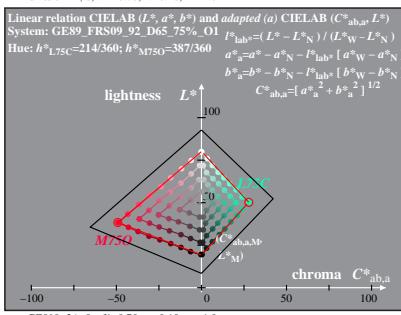
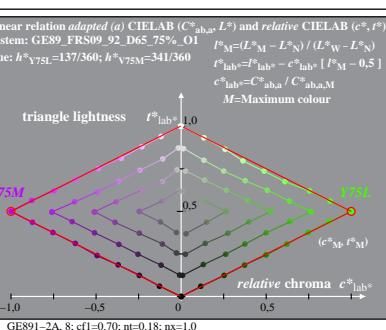
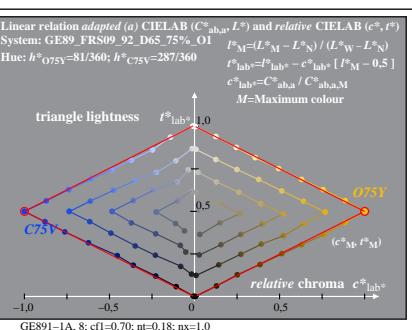
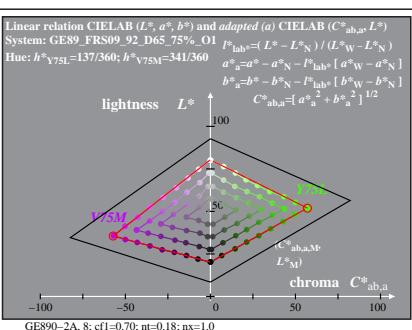
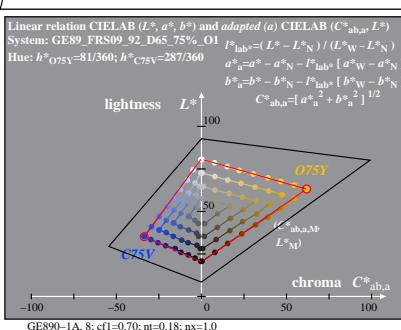
See original or copy: http://web.me.com/klaus_richter/GE89/GE89L0NA.PS .TXT

V 2.1, io=1,1, Cx=0; cf1=0,70; nt=0,18; nx=1.0

input: $rgb \rightarrow olv^*$
output: no change compared to input



1 output



TUB-test chart GE89; Relative Device Colour System O
9 step series; photo printer; 4 separations + 4 linearisations

input: $rgb \rightarrow olv^*$
output: no change compared to input

