

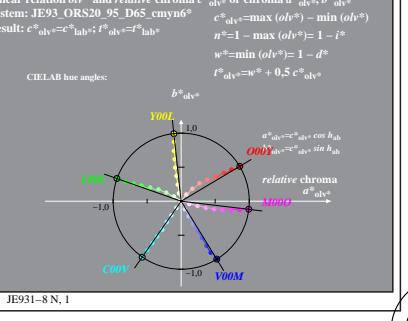
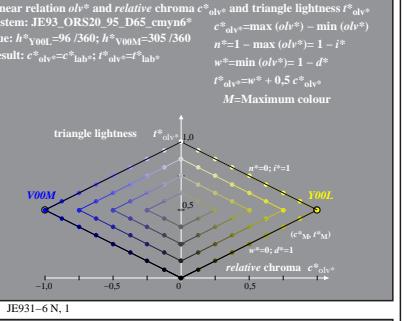
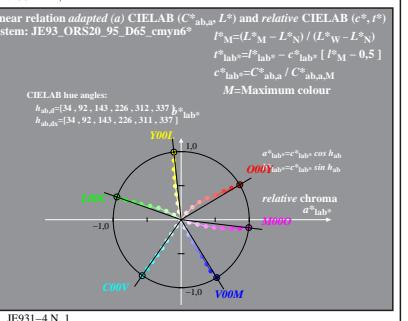
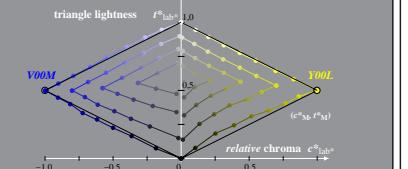
# TUB registration: 20100301-JE93/JE93L0NP.PDF /PS

TUB application for evaluation and measurement of printer or monitor systems

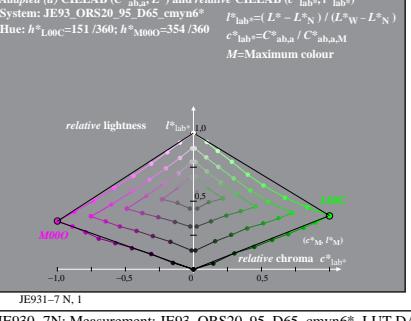
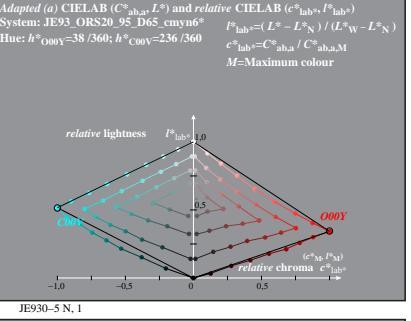
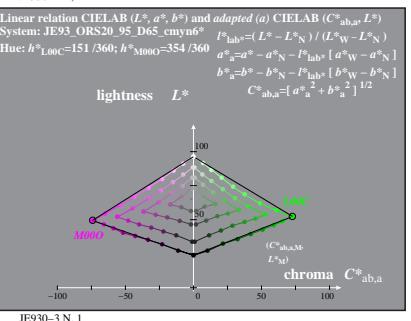
TUB material: code=rha4ta



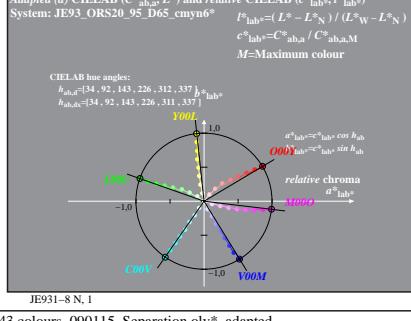
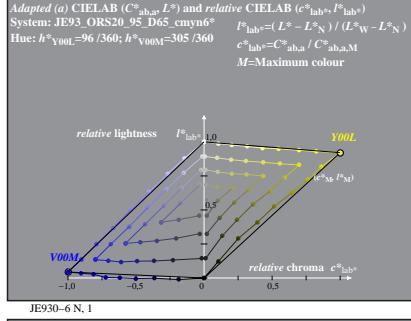
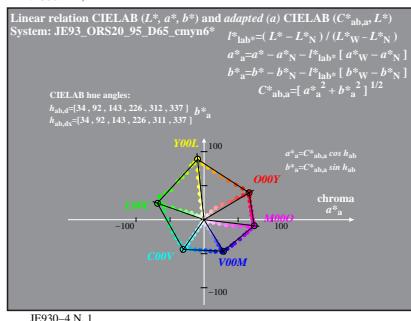
Linear relation adapted (a) CIELAB ( $C^*_{ab,M}, L^*$ ) and relative CIELAB ( $c^*, t^*$ )  
System: JE93 ORS20\_95\_D65\_cmyn6\*  
Hue:  $h^*_{Y00L}=-96/360; h^*_{V00M}=305/360$   
 $I^*_{lab}=(L^*-L^*_{N})/(L^*_{W}-L^*_{N})$   
 $a^*_{lab}=a^*-a^*_{N}-I^*_{lab} [a^*_{W}-a^*_{N}]$   
 $b^*_{lab}=b^*-b^*_{N}-I^*_{lab} [b^*_{W}-b^*_{N}]$   
 $C^*_{ab,a}=[a^*_{a}^2+b^*_{a}^2]^{1/2}$



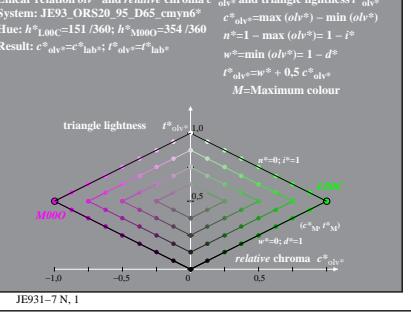
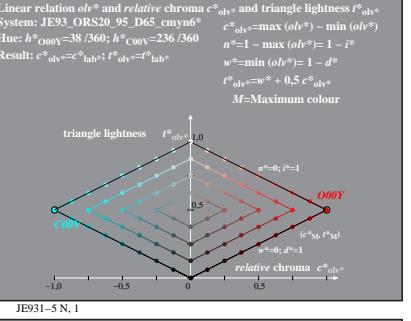
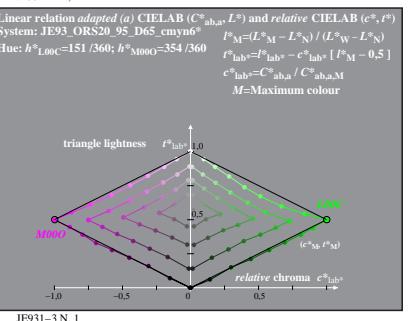
Linear relation CIELAB ( $L^*, a^*, b^*$ ) and adapted (a) CIELAB ( $C^*_{ab,M}, L^*$ )  
System: JE93 ORS20\_95\_D65\_cmyn6\*  
Hue:  $h^*_{Y00Y}=38/360; h^*_{C00V}=236/360$   
 $I^*_{lab}=(L^*-L^*_{N})/(L^*_{W}-L^*_{N})$   
 $a^*_{lab}=a^*-a^*_{N}-I^*_{lab} [a^*_{W}-a^*_{N}]$   
 $b^*_{lab}=b^*-b^*_{N}-I^*_{lab} [b^*_{W}-b^*_{N}]$   
 $C^*_{ab,a}=[a^*_{a}^2+b^*_{a}^2]^{1/2}$



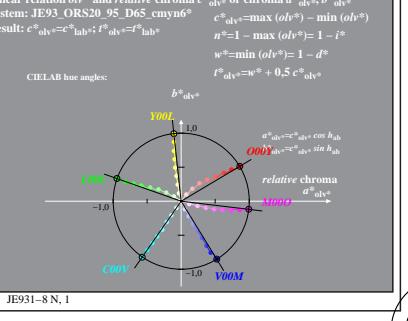
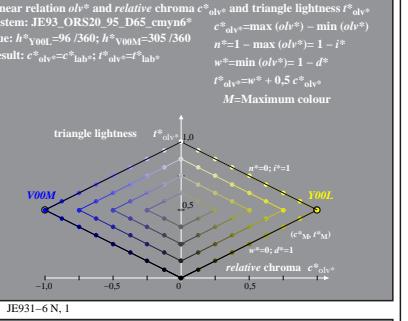
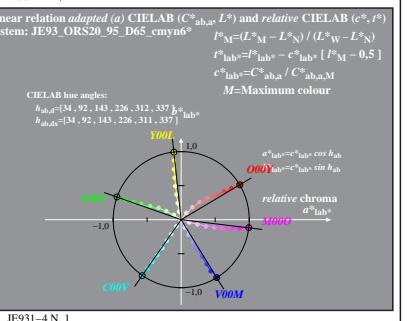
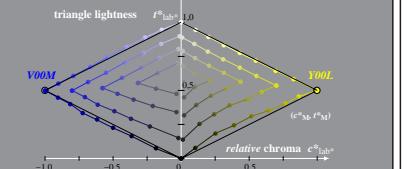
Linear relation CIELAB ( $L^*, a^*, b^*$ ) and adapted (a) CIELAB ( $C^*_{ab,M}, L^*$ )  
System: JE93 ORS20\_95\_D65\_cmyn6\*  
Hue:  $h^*_{Y00L}=-96/360; h^*_{V00M}=305/360$   
 $I^*_{lab}=(L^*-L^*_{N})/(L^*_{W}-L^*_{N})$   
 $a^*_{lab}=a^*-a^*_{N}-I^*_{lab} [a^*_{W}-a^*_{N}]$   
 $b^*_{lab}=b^*-b^*_{N}-I^*_{lab} [b^*_{W}-b^*_{N}]$   
 $C^*_{ab,a}=[a^*_{a}^2+b^*_{a}^2]^{1/2}$



Linear relation adapted (a) CIELAB ( $C^*_{ab,M}, L^*$ ) and relative CIELAB ( $c^*, t^*$ )  
System: JE93 ORS20\_95\_D65\_cmyn6\*  
Hue:  $h^*_{Y00L}=-96/360; h^*_{V00M}=305/360$   
 $I^*_{M}=(L^*_M-L^*_{N})/(L^*_{W}-L^*_{N})$   
 $I^*_{lab}=I^*_{lab} - c^*_{lab} [I^*_{M} - 0.5]$   
 $c^*_{lab}=C^*_{ab,a}/C^*_{ab,M}$   
 $M=\text{Maximum colour}$



Linear relation adapted (a) CIELAB ( $C^*_{ab,M}, L^*$ ) and relative CIELAB ( $c^*, t^*$ )  
System: JE93 ORS20\_95\_D65\_cmyn6\*  
Hue:  $h^*_{Y00L}=-96/360; h^*_{V00M}=305/360$   
 $I^*_{M}=(L^*_M-L^*_{N})/(L^*_{W}-L^*_{N})$   
 $I^*_{lab}=I^*_{lab} - c^*_{lab} [I^*_{M} - 0.5]$   
 $c^*_{lab}=C^*_{ab,a}/C^*_{ab,M}$   
 $M=\text{Maximum colour}$



JE93-7N: Measurement: JE93\_ORS20\_95\_D65\_cmyn6\*\_LUT.DAT, 243 colours, 090115, Separation olv\*, adapted  
TUB-test chart JE93; Relative Device Colour System G  
1080 spectral reflexions R → LAB\*a and CIE diagrams

input: w setgray  
output: no change compared to input

6  
8

C

M

Y

O

L

V

-6  
-8

6  
8

C

M

O

L

V

-6  
-8

6  
8

C

M

O

L

V

-6  
-8