see similar files: http://130.149.60.45/~farbmetrik/SE29/SE29.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

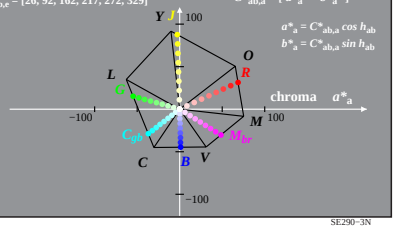
TUB registration: 20130201-SE29/SE29L0N1.TXT /.PS
application for measurement of display output

TUB material: code=ha4ta

Linear relation CIELAB (L^*, a^*, b^*) and *adapted (a)* CIELAB ($C^*_{ab,a}$, L^*)
System: ORS18a

$l^*_{lab*} = (L^* - L^*_N) / (L^*_W - L^*_N)$
$a^*_a = a^* - a^*_N - l^*_{lab*} [a^*_W - a^*_N]$
$b^*_a = b^* - b^*_N - l^*_{lab*} [b^*_W - b^*_N]$
$C^*_{ab,a} = [a^{*2}_a + b^{*2}_a]^{1/2}$

CIELAB hue angles:
$h_{ab,d}$ = [37, 96, 150, 236, 305, 353]
$h_{ab,e}$ = [26, 92, 162, 217, 272, 329]



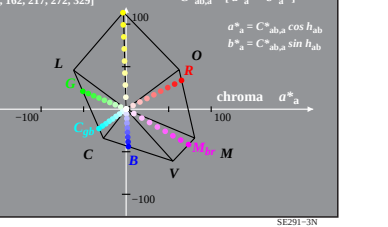
$a^*_a = C^*_{ab,a} \cos h_{ab}$
$b^*_a = C^*_{ab,a} \sin h_{ab}$

SE290−3N

Linear relation CIELAB (L^*, a^*, b^*) and *adapted (a)* CIELAB ($C^*_{ab,a}$, L^*)
System: PRS06a

$l^*_{lab*} = (L^* - L^*_N) / (L^*_W - L^*_N)$
$a^*_a = a^* - a^*_N - l^*_{lab*} [a^*_W - a^*_N]$
$b^*_a = b^* - b^*_N - l^*_{lab*} [b^*_W - b^*_N]$
$C^*_{ab,a} = [a^{*2}_a + b^{*2}_a]^{1/2}$

CIELAB hue angles:
$h_{ab,d}$ = [36, 91, 143, 231, 312, 337]
$h_{ab,e}$ = [26, 92, 162, 217, 272, 329]



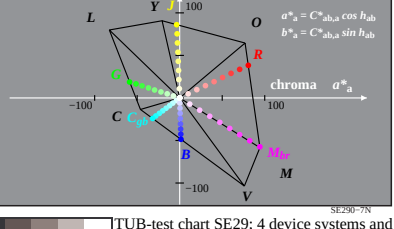
$a^*_a = C^*_{ab,a} \cos h_{ab}$
$b^*_a = C^*_{ab,a} \sin h_{ab}$

SE291−3N

Linear relation CIELAB (L^*, a^*, b^*) and *adapted (a)* CIELAB ($C^*_{ab,a}$, L^*)
System: TLS00

$l^*_{lab*} = (L^* - L^*_N) / (L^*_W - L^*_N)$
$a^*_a = a^* - a^*_N - l^*_{lab*} [a^*_W - a^*_N]$
$b^*_a = b^* - b^*_N - l^*_{lab*} [b^*_W - b^*_N]$
$C^*_{ab,a} = [a^{*2}_a + b^{*2}_a]^{1/2}$

CIELAB hue angles:
$h_{ab,d}$ = [40, 102, 136, 196, 306, 328]
$h_{ab,e}$ = [26, 92, 162, 217, 272, 329]



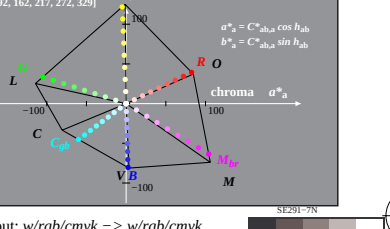
$a^*_a = C^*_{ab,a} \cos h_{ab}$
$b^*_a = C^*_{ab,a} \sin h_{ab}$

SE290−7N

Linear relation CIELAB (L^*, a^*, b^*) and *adapted (a)* CIELAB ($C^*_{ab,a}$, L^*)
System: NRS11a

$l^*_{lab*} = (L^* - L^*_N) / (L^*_W - L^*_N)$
$a^*_a = a^* - a^*_N - l^*_{lab*} [a^*_W - a^*_N]$
$b^*_a = b^* - b^*_N - l^*_{lab*} [b^*_W - b^*_N]$
$C^*_{ab,a} = [a^{*2}_a + b^{*2}_a]^{1/2}$

CIELAB hue angles:
$h_{ab,d}$ = [23, 90, 167, 202, 272, 325]
$h_{ab,e}$ = [26, 92, 162, 217, 272, 329]



$a^*_a = C^*_{ab,a} \cos h_{ab}$
$b^*_a = C^*_{ab,a} \sin h_{ab}$

SE291−7N

TUB-test chart SE29; 4 device systems and CIE elementary hue data in CIELAB chroma diagram (a^*, b^*)

input: *w/rgb/cmyk −> w/rgb/cmyk*
output: no change