

Adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^*_{lab*} , l^*_{lab*})

System: GE87_FRS09_92_D65_00%_O0

$$l^*_{lab*} = (L^* - L^*_N) / (L^*_W - L^*_N)$$

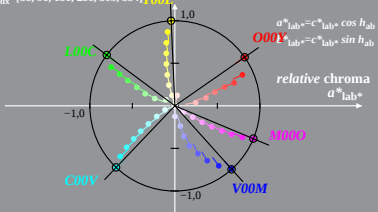
$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

M=Maximum colour

CIELAB hue angles:

$h_{ab,d} = [34, 92, 143, 226, 312, 337]$

$h_{ab,dx} = [38, 96, 151, 236, 305, 354]$ **Y00L**



GE871-8A, 1; cf1=0.95; nt=0.18; nx=1.0

Adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^*_{lab*} , l^*_{lab*})

System: GE87_FRS09_92_D65_00%_O1

$$l^*_{lab*} = (L^* - L^*_N) / (L^*_W - L^*_N)$$

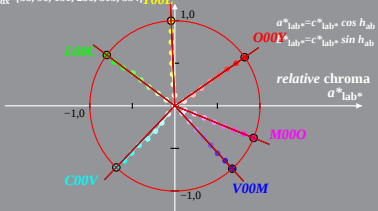
$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

CIELAB hue angles:

$h_{ab,d} = [34, 92, 143, 226, 312, 337]$

b^*_{lab*} M=Maximum colour

$h_{ab,dx} = [38, 96, 151, 236, 305, 354]$ **Y00L**



GE871-8A, 2; cf1=0.95; nt=0.18; nx=1.0

Adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^*_{lab*} , l^*_{lab*})

System: GE87_FRS09_92_D65_25%_O0

$$l^*_{lab*} = (L^* - L^*_N) / (L^*_W - L^*_N)$$

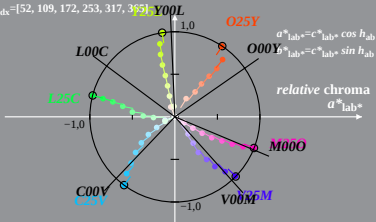
$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

CIELAB hue angles:

$h_{ab,d} = [34, 92, 143, 226, 312, 337]$

$h_{ab,dx} = [52, 109, 172, 253, 317, 365]$

b^*_{lab*} M=Maximum colour



Adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^*_{lab*} , l^*_{lab*})

System: GE87_FRS09_92_D65_25%_O1

$$l^*_{lab*} = (L^* - L^*_N) / (L^*_W - L^*_N)$$

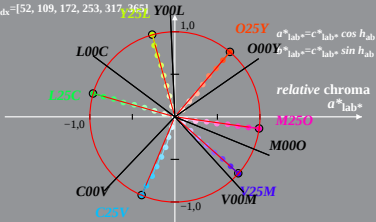
$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

M=Maximum colour

CIELAB hue angles:

$h_{ab,d} = [34, 92, 143, 226, 312, 337]$

$h_{ab,dx} = [52, 109, 172, 253, 317, 365]$



Adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^*_{lab*} , l^*_{lab*})

System: GE87_FRS09_92_D65_50%_O0

$$l^*_{lab*} = (L^* - L^*_N) / (L^*_W - L^*_N)$$

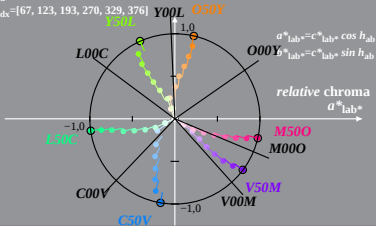
$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

CIELAB hue angles:

$h_{ab,d} = [34, 92, 143, 226, 312, 337]$

$h_{ab,dx} = [67, 123, 193, 270, 329, 376]$

b^*_{lab*} M=Maximum colour



GE871-8A, 5; cf1=0.95; nt=0.18; nx=1.0

Adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^*_{lab*} , l^*_{lab*})

System: GE87_FRS09_92_D65_50%_O1

$$l^*_{lab*} = (L^* - L^*_N) / (L^*_W - L^*_N)$$

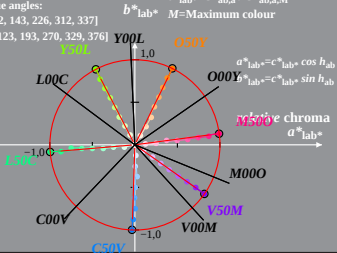
$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

M=Maximum colour

CIELAB hue angles:

$h_{ab,d} = [34, 92, 143, 226, 312, 337]$

$h_{ab,dx} = [67, 123, 193, 270, 329, 376]$



Adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^*_{lab*} , l^*_{lab*})

System: GE87_FRS09_92_D65_75%_O0

$$l^*_{lab*} = (L^* - L^*_N) / (L^*_W - L^*_N)$$

$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

M = Maximum colour

CIELAB hue angles:

$h_{ab,d} = [34, 92, 143, 226, 312, 337]$

$h_{ab,dx} = [81, 137, 214, 287, 341, 387]$

b^*_{lab*}

O75Y

Y00L

Y75L

L00C

O00Y

$$a^*_{lab*} = c^*_{lab*} \cos h_{ab}$$

$$b^*_{lab*} = c^*_{lab*} \sin h_{ab}$$

relative chroma

M75O

a^*_{lab*}

-1,0

M00O

V75M

L75C

C00V

V00M

C75V

-1,0

$$I^*_{\text{ab}} = (L^* - L^*_N) / (L^*_W - L^*_N)$$
$$h_{\text{abs,dx}}=[81, 137, 214, 287, 341, 387]$$

b^* lab* M =Maximum colour

