

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

System: GE86_HRS16_96_D65_00%_O0

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

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

CIELAB hue angles:

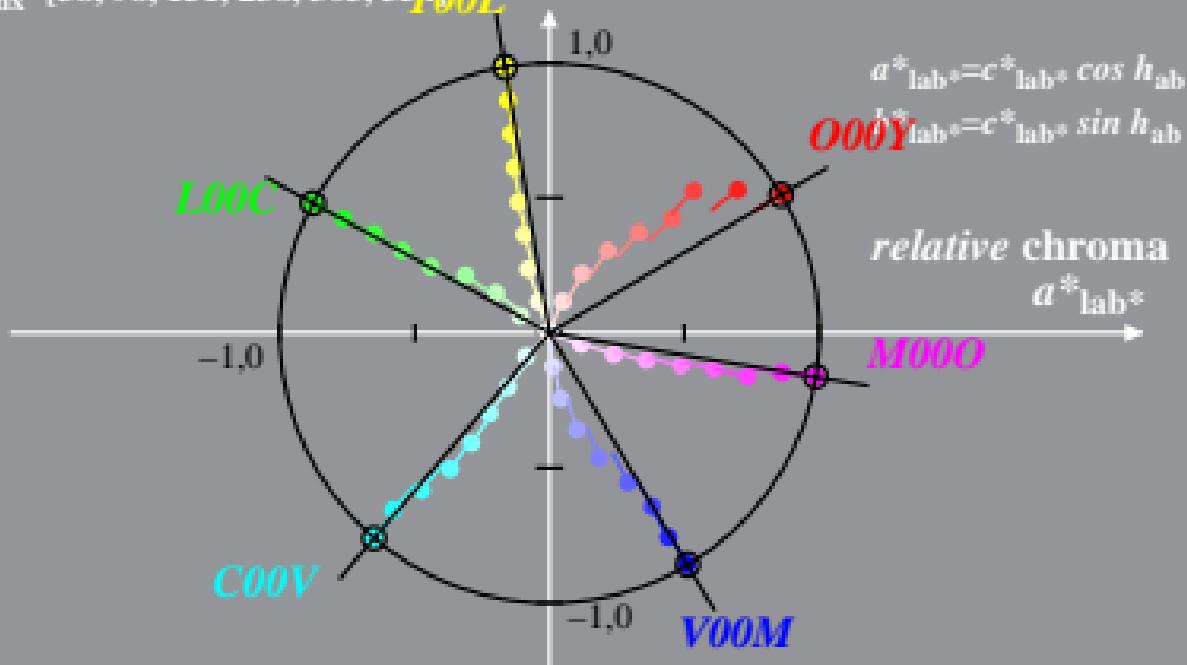
$$h_{ab,d} = [32, 99, 151, 227, 296, 348]$$

$$b^*_{lab*}$$

M =Maximum colour

$$h_{ab,dx} = [38, 96, 151, 236, 305, 352]$$

$Y00L$



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

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

relative chroma

$$a^*_{lab*}$$

$$M000$$

Adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^*_{lab*} , l^*_{lab*})
System: GE86_HRS16_96_D65_00%_O1 $l^*_{lab*} = (L^* - L^*_N) / (L^*_W - L^*_N)$

CIELAB hue angles:

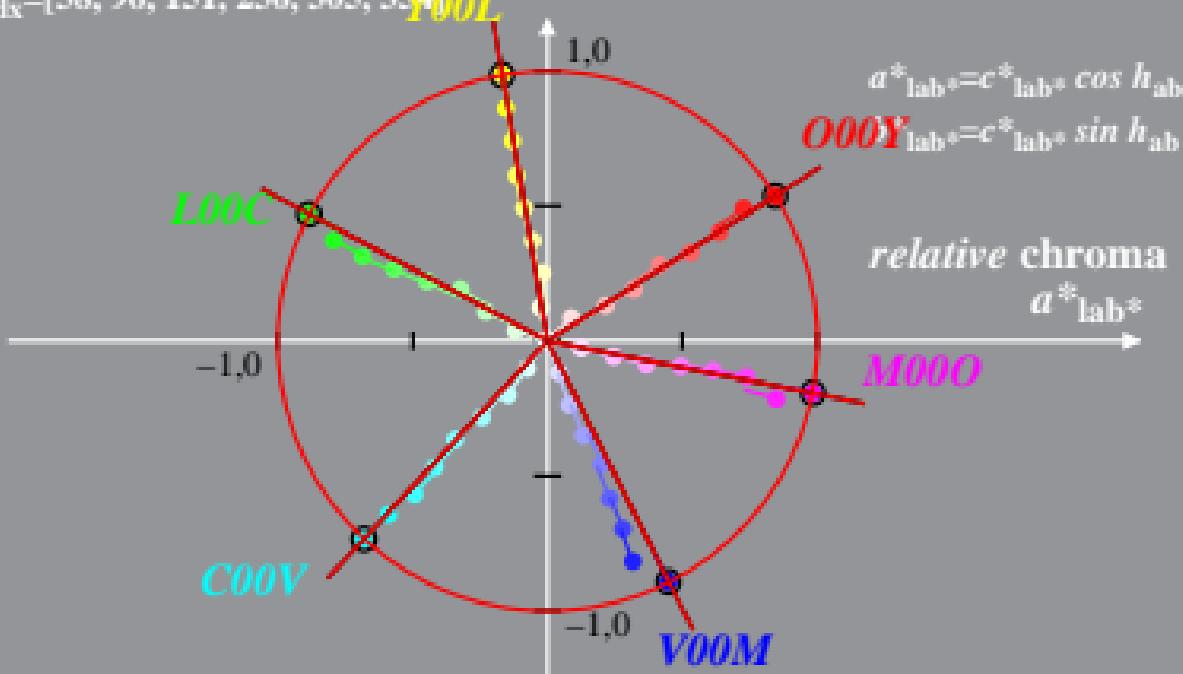
$$h_{ab,d} = [32, 99, 151, 227, 296, 348]$$

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

$$b^*_{lab*}$$

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

M =Maximum colour



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

System: GE86_HRS16_96_D65_25%_O0

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

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

CIELAB hue angles:

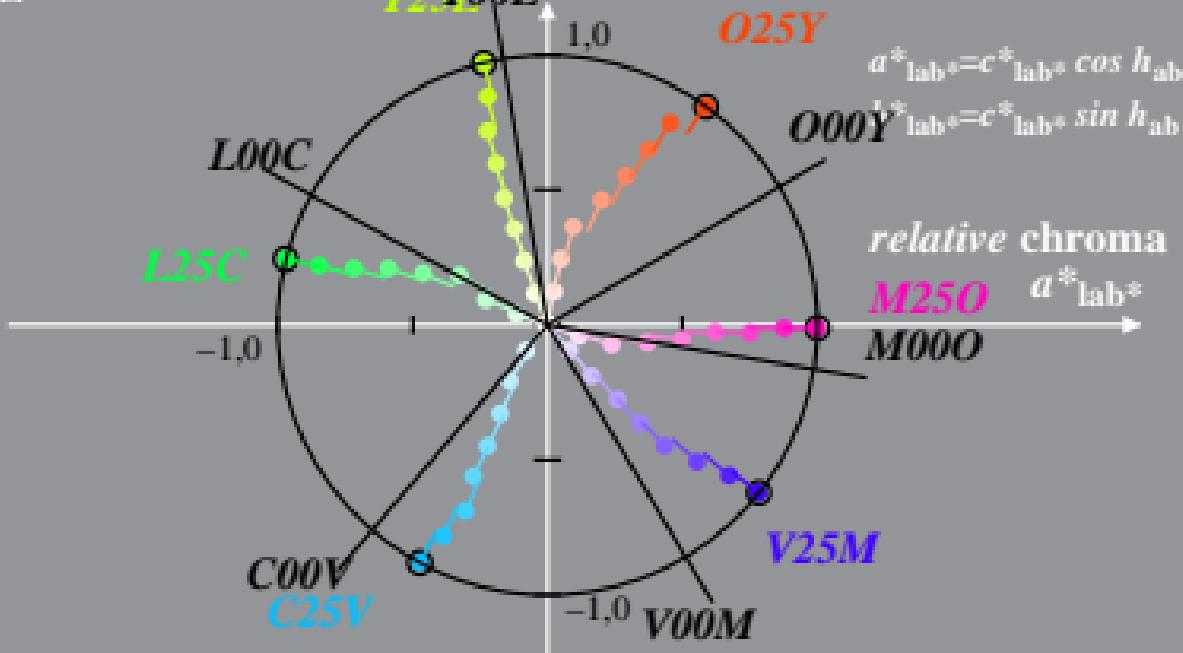
$$h_{ab,d} = [32, 99, 151, 227, 296, 348]$$

$$b^*_{lab^*}$$

M =Maximum colour

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

$Y25Y00L$



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

System: GE86_HRS16_96_D65_25%_O1

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

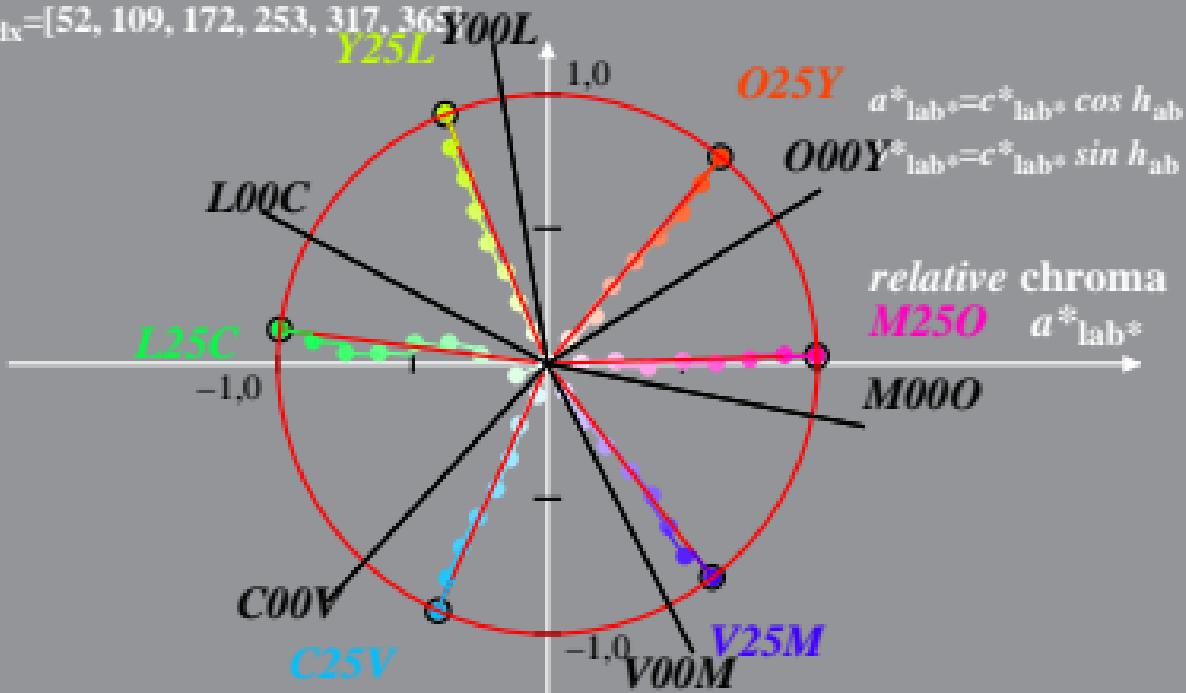
$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

CIELAB hue angles:

$$h_{ab,d} = [32, 99, 151, 227, 296, 348]$$

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

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



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

System: GE86_HRS16_96_D65_50%_O0

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

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

CIELAB hue angles:

$$h_{ab,d} = [32, 99, 151, 227, 296, 348]$$

$$b^*_{lab*} \quad M = \text{Maximum colour}$$

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

$Y00L$ $O50Y$

$Y50L$

1,0

$L00C$

$O00Y$

$M50O$

relative chroma

a^*_{lab*}

$L50C$

$M00O$

$C00V$

$V50M$

-1,0 $V00M$

$C50V$

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

System: GE86_HRS16_96_D65_50%_O1

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

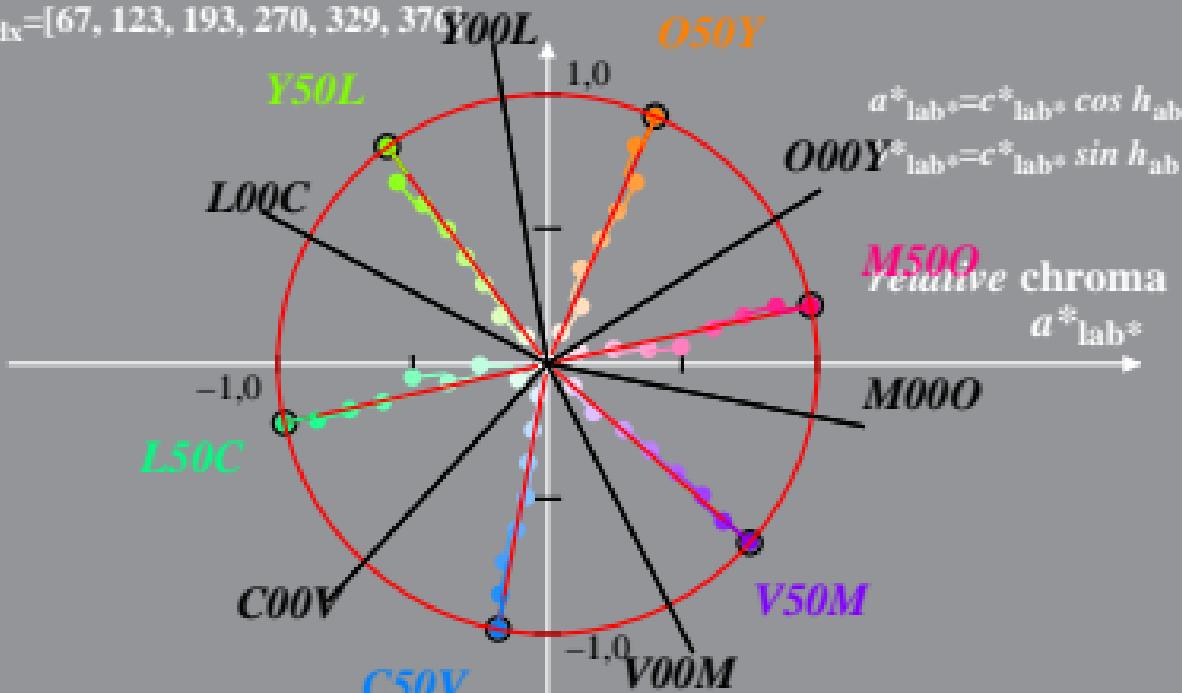
$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

CIELAB hue angles:

$$h_{ab,d} = [32, 99, 151, 227, 296, 348]$$

$$b^*_{lab*} \quad M = \text{Maximum colour}$$

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



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

System: GE86_HRS16_96_D65_75%_O0

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

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

CIELAB hue angles:

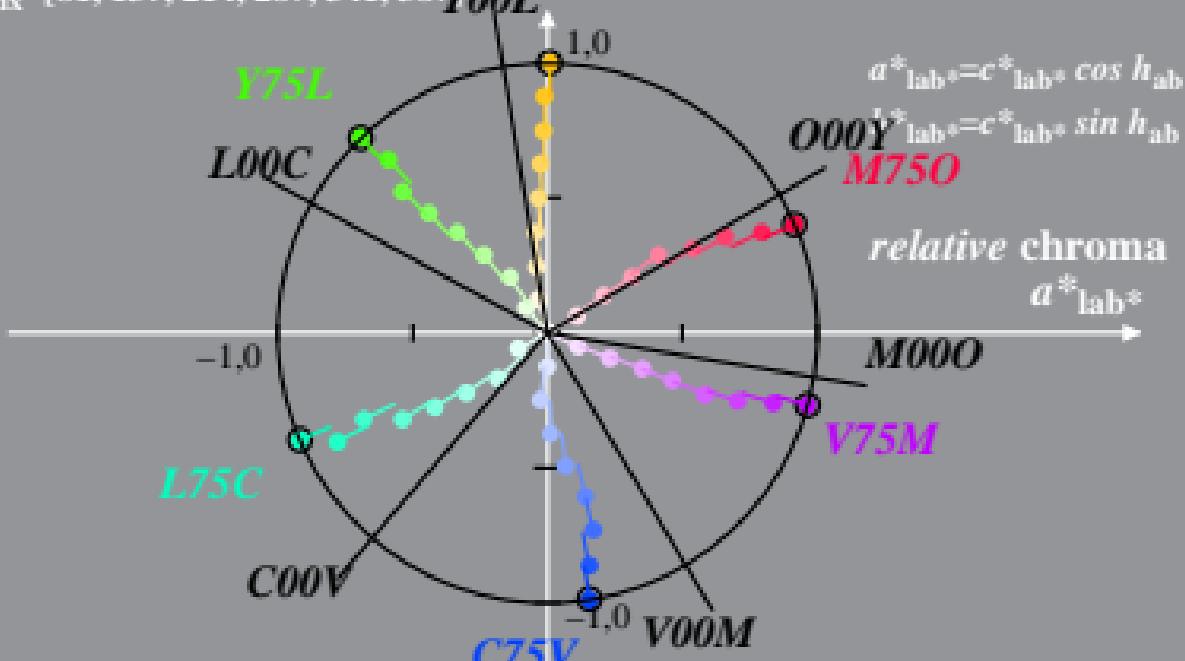
$$h_{ab,d} = [32, 99, 151, 227, 296, 348]$$

$$b^*_{lab*}$$

M =Maximum colour

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

$Y00L$ $O75Y$



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

System: GE86_HRS16_96_D65_75%_O1

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

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

CIELAB hue angles:

$$h_{ab,d} = [32, 99, 151, 227, 296, 348]$$

$$b^*_{lab*} \quad M = \text{Maximum colour}$$

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

