

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

System: GE85\_HRS16\_96\_D65\_00%\_00

$$l^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$$

$$t^*_{lab} = l^*_{lab} - c^*_{lab} [ l^*_M - 0,5 ]$$

CIELAB hue angles:

$$h_{ab,d} = [33, 99, 153, 224, 297, 346]$$

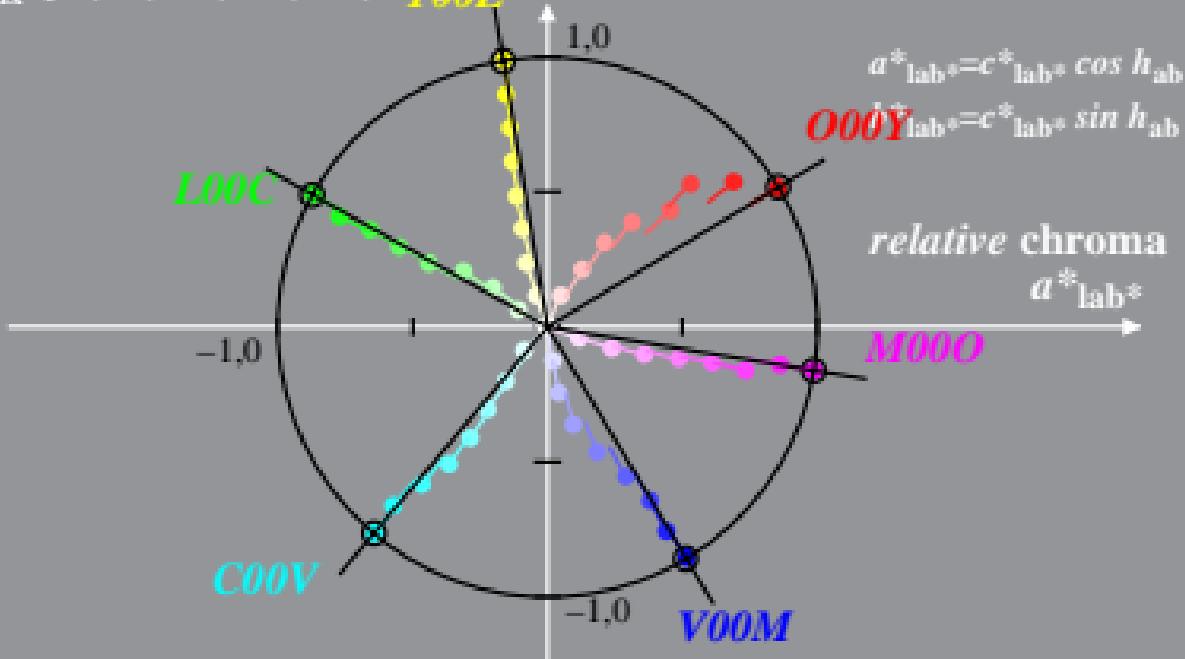
$$h_{ab,dx} = [38, 96, 151, 236, 305, 352]$$

$$b^*_{lab}$$

$$c^*_{lab}$$

$M$ =Maximum colour

**Y00L**



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

System: GE85\_HRS16\_96\_D65\_00%\_O1

$$l^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$$

$$t^*_{lab} = l^*_{lab} - c^*_{lab} [ l^*_M - 0,5 ]$$

CIELAB hue angles:

$$h_{ab,d} = [33, 99, 153, 224, 297, 346]$$

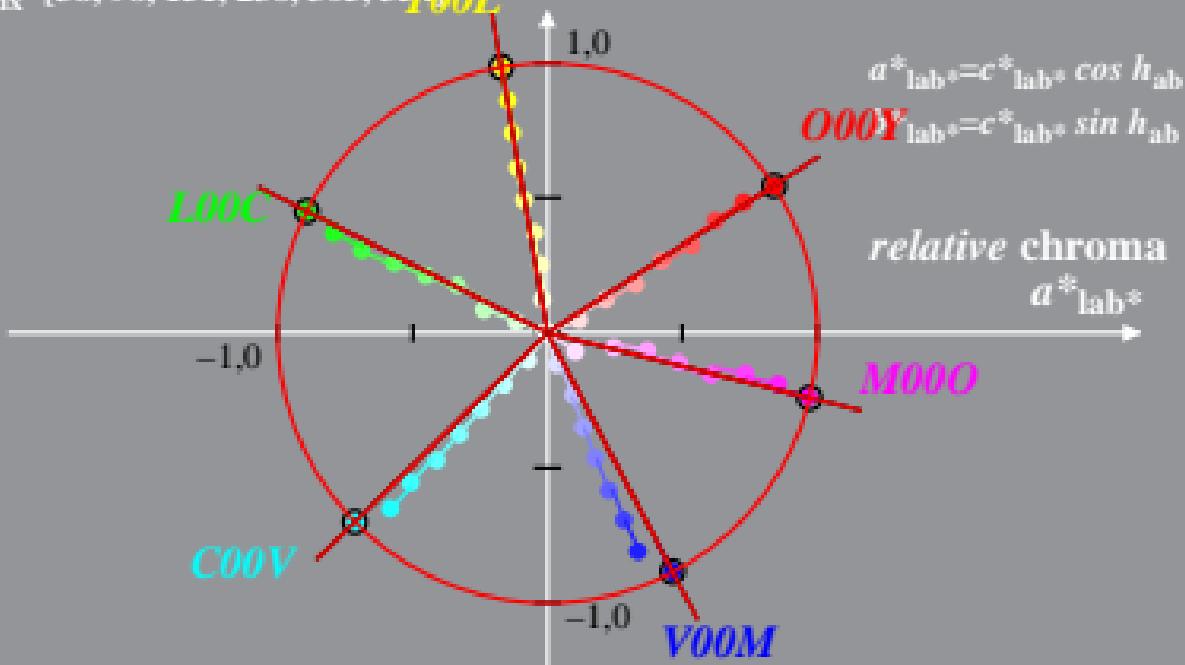
$$b^*_{lab}$$

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

$M$ =Maximum colour

$$h_{ab,dx} = [38, 96, 151, 236, 305, 359]$$

$Y00L$



Linear relation adapted (a) CIELAB ( $C^*_{ab,a}$ ,  $L^*$ ) and relative CIELAB ( $c^*$ ,  $t^*$ )  
 System: GE85\_HRS16\_96\_D65\_25%\_00

$$l^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$$

$$t^*_{lab^*} = l^*_{lab^*} - c^*_{lab^*} [ l^*_M - 0,5 ]$$

CIELAB hue angles:

$$h_{ab,d} = [33, 99, 153, 224, 297, 346]$$

$$h_{ab,dx} = [52, 109, 172, 253, 317, 367]$$

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

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

$M$ =Maximum colour

$Y25Y00L$

$O25Y$

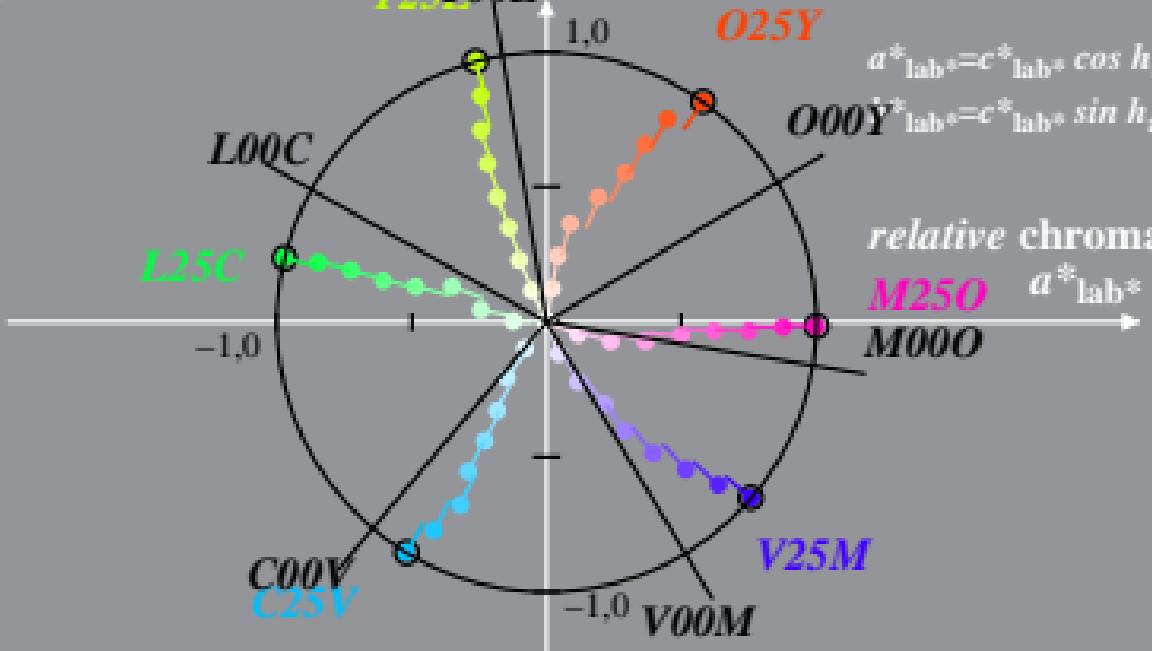
$$a^*_{lab^*} = c^*_{lab^*} \cos h_{ab}$$

$$O00Y^*_{lab^*} = c^*_{lab^*} \sin h_{ab}$$

relative chroma

$$M25O \quad a^*_{lab^*}$$

$$M00O$$



Linear relation adapted (a) CIELAB ( $C^*_{ab,a}$ ,  $L^*$ ) and relative CIELAB ( $c^*$ ,  $t^*$ )  
 System: GE85\_HRS16\_96\_D65\_25%\_O1       $I^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$

CIELAB hue angles:

$$h_{ab,d} = [33, 99, 153, 224, 297, 346]$$

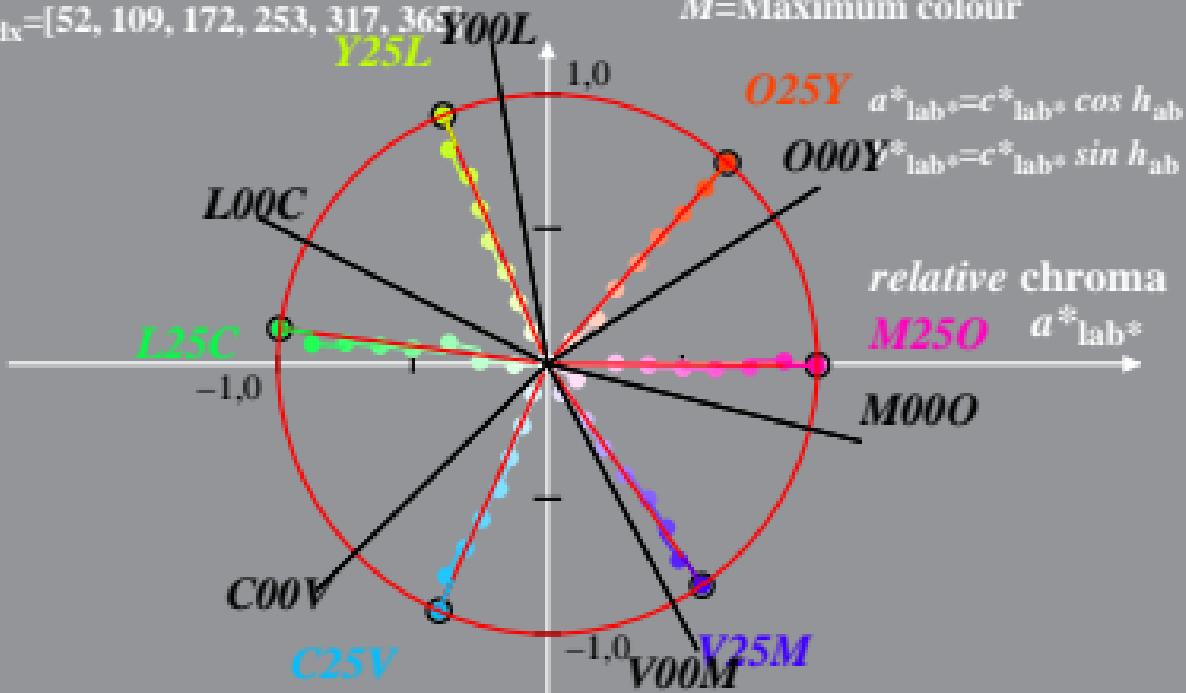
$$h_{ab,dx} = [52, 109, 172, 253, 317, 365]$$

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

$$t^*_{lab^*} = I^*_{lab^*} - c^*_{lab^*} [ I^*_M - 0,5 ]$$

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

$M$ =Maximum colour



Linear relation adapted (a) CIELAB ( $C^*_{ab,a}$ ,  $L^*$ ) and relative CIELAB ( $c^*$ ,  $t^*$ )  
 System: GE85\_HRS16\_96\_D65\_50%\_00

$$l^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$$

$$t^*_{lab^*} = l^*_{lab^*} - c^*_{lab^*} [ l^*_M - 0,5 ]$$

CIELAB hue angles:

$$h_{ab,d} = [33, 99, 153, 224, 297, 346]$$

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

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

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

$M$ =Maximum colour



Linear relation adapted (a) CIELAB ( $C^*_{ab,a}$ ,  $L^*$ ) and relative CIELAB ( $c^*$ ,  $t^*$ )  
 System: GE85\_HRS16\_96\_D65\_50%\_O1       $I^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$

CIELAB hue angles:

$$h_{ab,d} = [33, 99, 153, 224, 297, 346]$$

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

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

$$t^*_{lab^*} = I^*_{lab^*} - c^*_{lab^*} [ I^*_M - 0,5 ]$$

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

$M$ =Maximum colour  
 $O50Y$

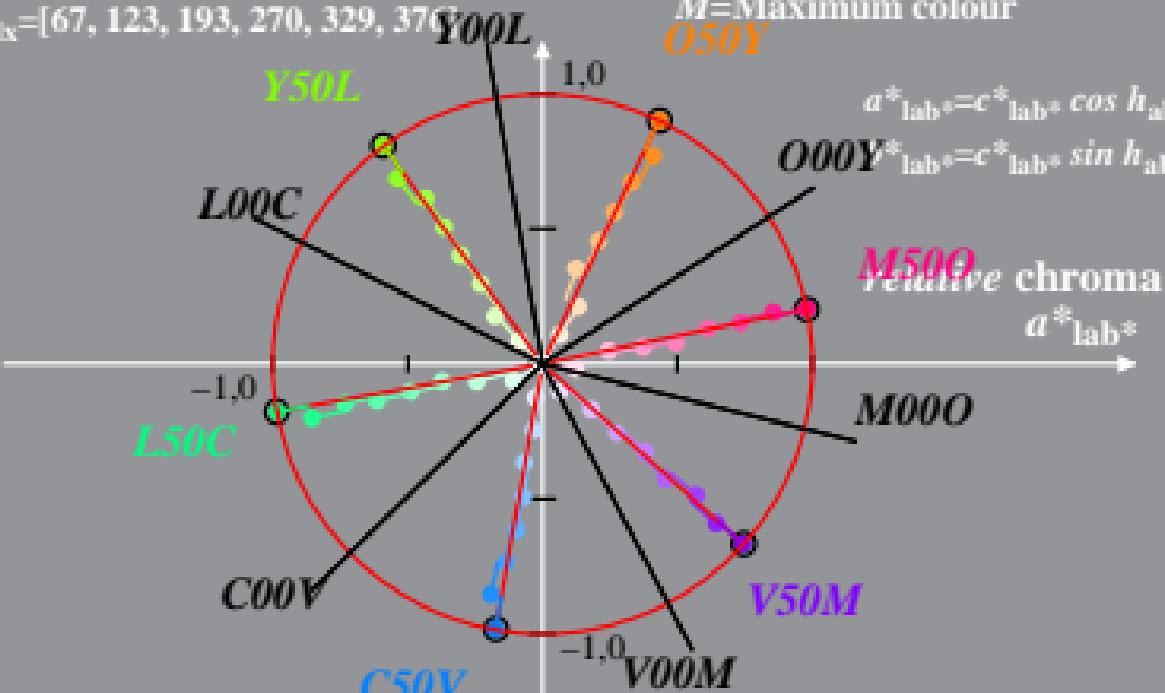
$$a^*_{lab^*} = c^*_{lab^*} \cos h_{ab}$$

$$O00Y^*_{lab^*} = c^*_{lab^*} \sin h_{ab}$$

$M500$  relative chroma

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

$M000$



Linear relation adapted (a) CIELAB ( $C^*_{ab,a}$ ,  $L^*$ ) and relative CIELAB ( $c^*$ ,  $t^*$ )  
 System: GE85\_HRS16\_96\_D65\_75%\_00

$$l^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$$

$$t^*_{lab^*} = l^*_{lab^*} - c^*_{lab^*} [ l^*_M - 0,5 ]$$

CIELAB hue angles:

$$h_{ab,d} = [33, 99, 153, 224, 297, 346]$$

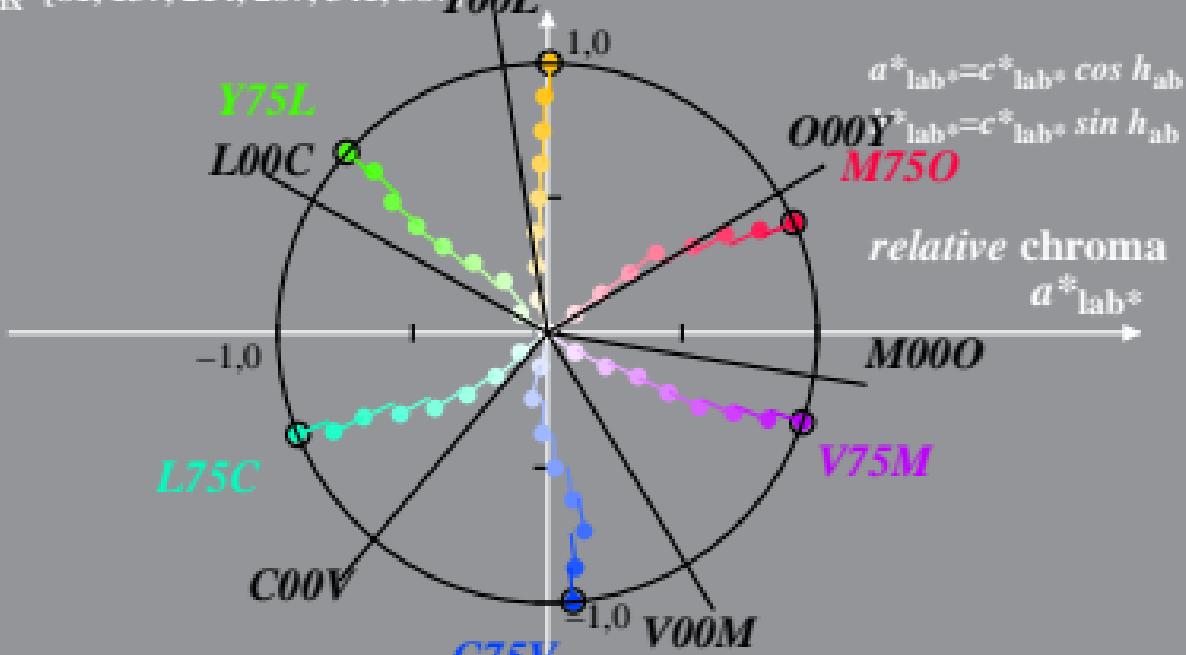
$$h_{ab,dx} = [81, 137, 214, 287, 341, 387]$$

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

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

$Y00L$   $O75Y$

$M$ =Maximum colour



Linear relation adapted (a) CIELAB ( $C^*_{ab,a}$ ,  $L^*$ ) and relative CIELAB ( $c^*$ ,  $t^*$ )  
 System: GE85\_HRS16\_96\_D65\_75%\_01       $I^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$

CIELAB hue angles:

$$h_{ab,d} = [33, 99, 153, 224, 297, 346]$$

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

$$t^*_{lab^*} = I^*_{lab^*} - c^*_{lab^*} [ I^*_M - 0,5 ]$$

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

$O75Y$ =Maximum colour

