

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

System: HE84\_HRS16\_96\_D65\_00%\_O0       $I^*_{lab*} = (L^* - L^*_N) / (L^*_W - L^*_N)$

CIELAB hue angles:

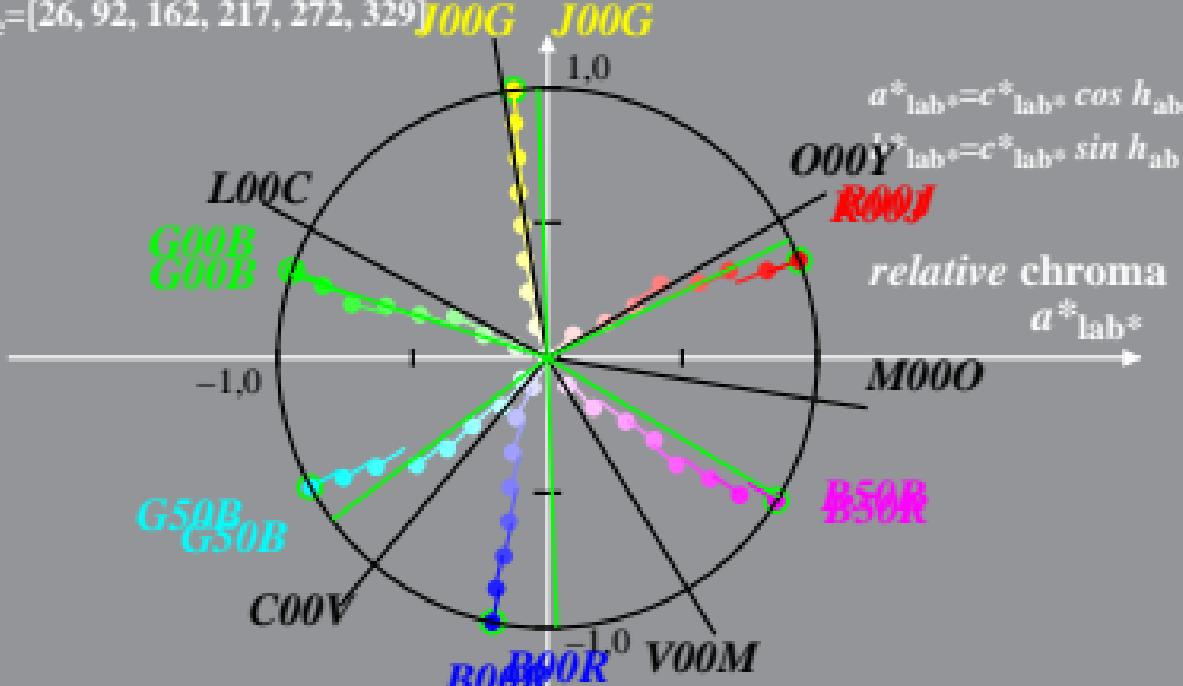
$h_{ab,d} = [33, 100, 154, 227, 295, 347]$

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

$h_{ab,ex} = [26, 92, 162, 217, 272, 329]$

$b^*_{lab*}$      $M$ =Maximum colour

$h_{ab,e} = [26, 92, 162, 217, 272, 329]$



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

System: HE84\_HRS16\_96\_D65\_00%\_O1

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

CIELAB hue angles:

$$h_{ab,d} = [33, 100, 154, 227, 295, 347]$$

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

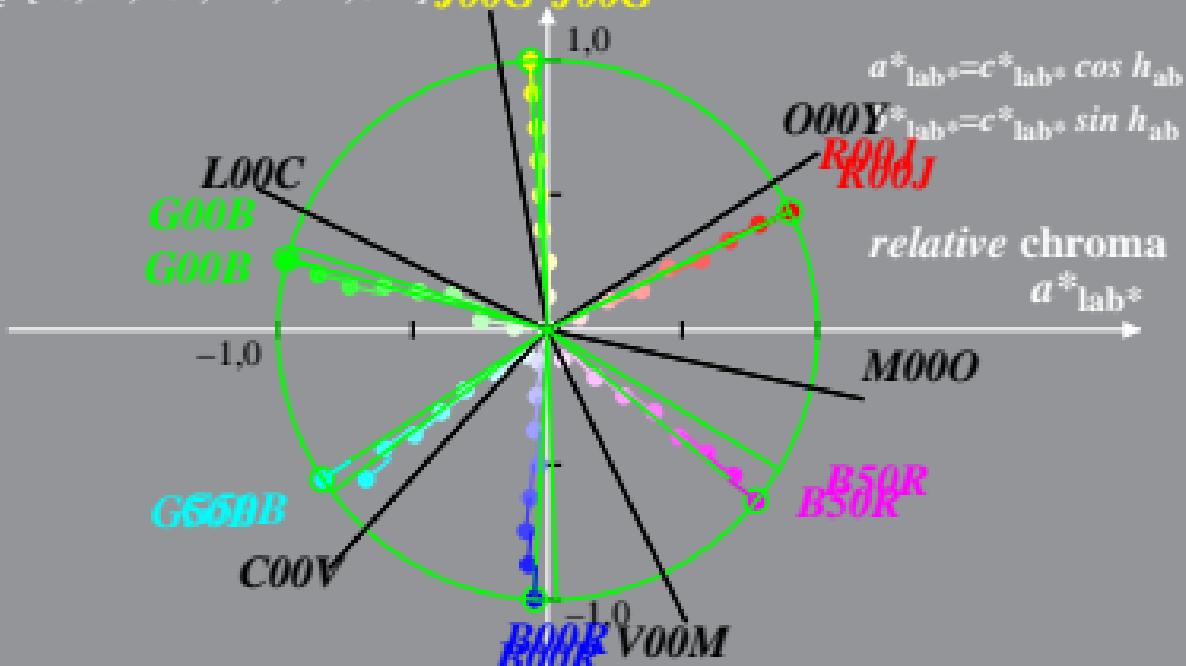
$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

$$h_{ab,ex} = [26, 92, 162, 217, 272, 329]$$

$$Y00L$$

$$h_{ab,e} = [26, 92, 162, 217, 272, 329]$$

$$J00G \quad J00G$$



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

System: HE84\_HRS16\_96\_D65\_25%\_O0  $L^*_{\text{lab}} = (L^* - L^*_{\text{N}}) / (L^*_{\text{W}} - L^*_{\text{N}})$

CIELAB hue angles:

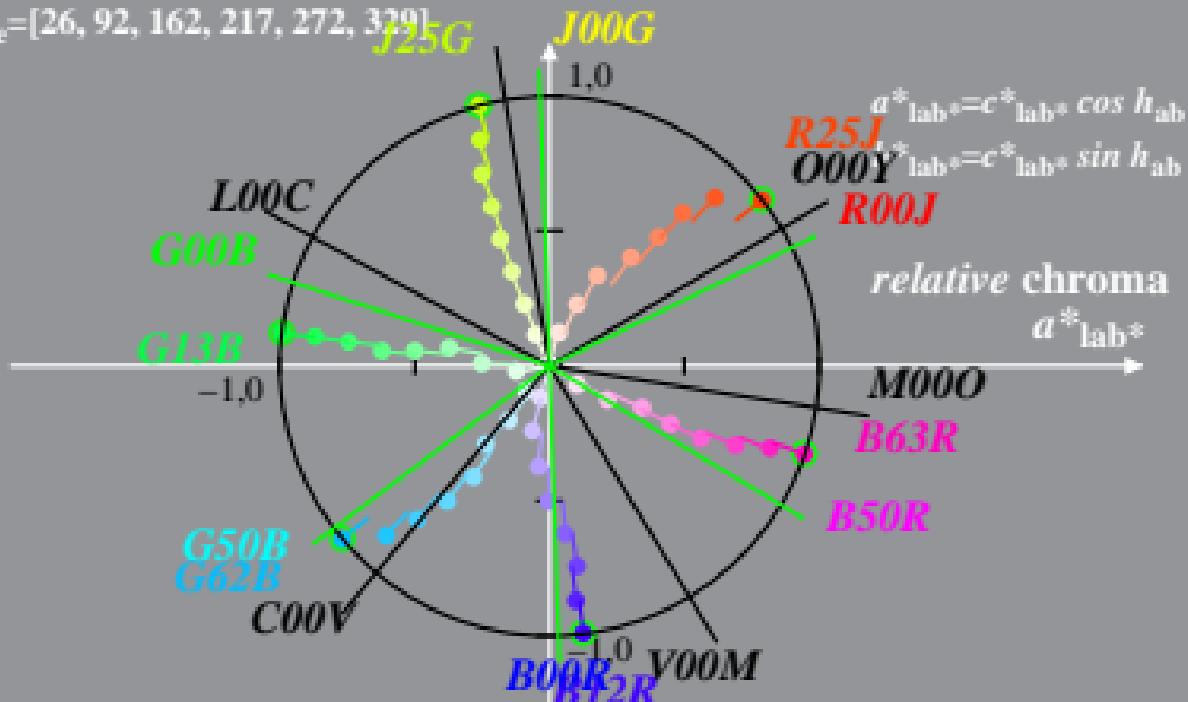
$$h_{ab,q} = [33, 100, 154, 227, 295, 347]$$

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

$h_{\text{abs}, \text{ex}} = [42, 109, 175, 230, 286, 343] \text{ eV}$

— Maxima et minima

$$h_{\text{sh},e} = [26, 92, 162, 217, 272, 329]$$



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

System: HE84\_HRS16\_96\_D65\_25%\_O1

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

CIELAB hue angles:

$$h_{ab,d} = [33, 100, 154, 227, 295, 347]$$

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

$$h_{ab,ex} = [42, 109, 175, 230, 286, 343]$$

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

$$h_{ab,e} = [26, 92, 162, 217, 272, 329]$$

$J00L$

$J25G$

$J00G$

$L00C$

$G00B$

$G13P$

$G50B$

$GC00V$

1,0

$$R25J \quad a^*_{lab*} = c^*_{lab*} \cos h_{ab}$$

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

$R00J$

relative chroma

$a^*_{lab*}$

$M000$

$B63R$

$B50R$

$B00R$

$B12R$

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

System: HE84\_HRS16\_96\_D65\_50%\_O0       $I^*_{lab*} = (L^* - L^*_N) / (L^*_W - L^*_N)$

CIELAB hue angles:

$$h_{ab,d} = [33, 100, 154, 227, 295, 347]$$

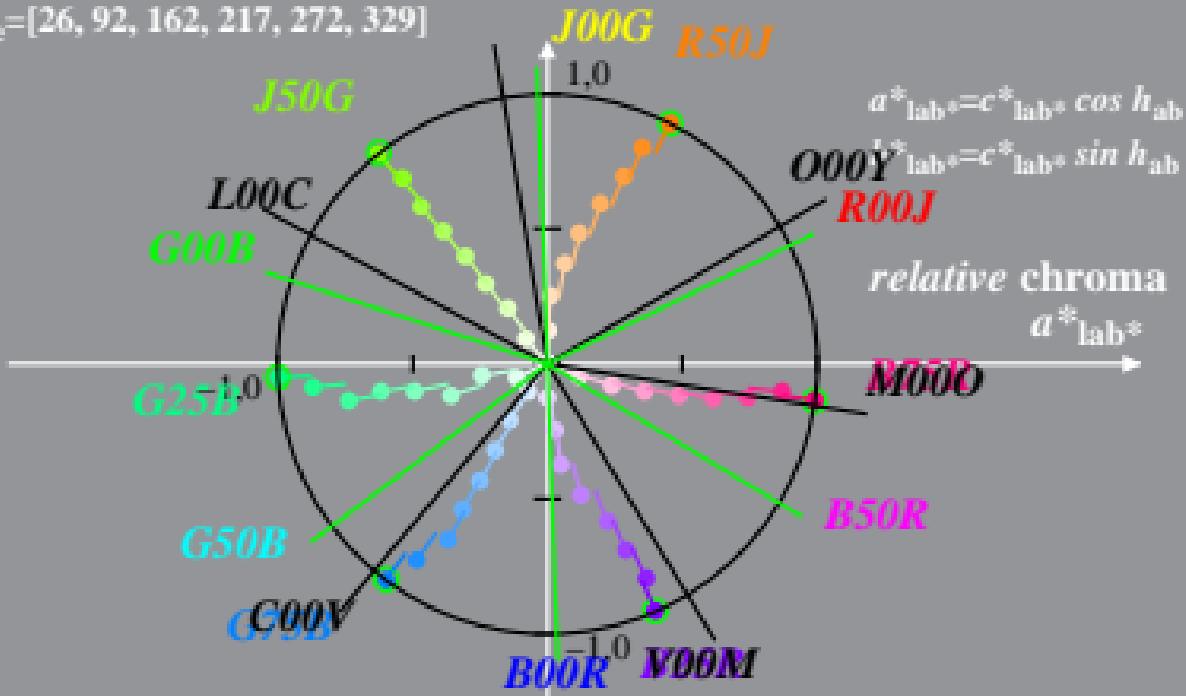
$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

$$h_{ab,ex} = [59, 127, 189, 244, 300, 357]$$

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

$M$ =Maximum colour

$$h_{ab,e} = [26, 92, 162, 217, 272, 329]$$



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

System: HE84\_HRS16\_96\_D65\_50%\_O1

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

CIELAB hue angles:

$$h_{ab,d} = [33, 100, 154, 227, 295, 347]$$

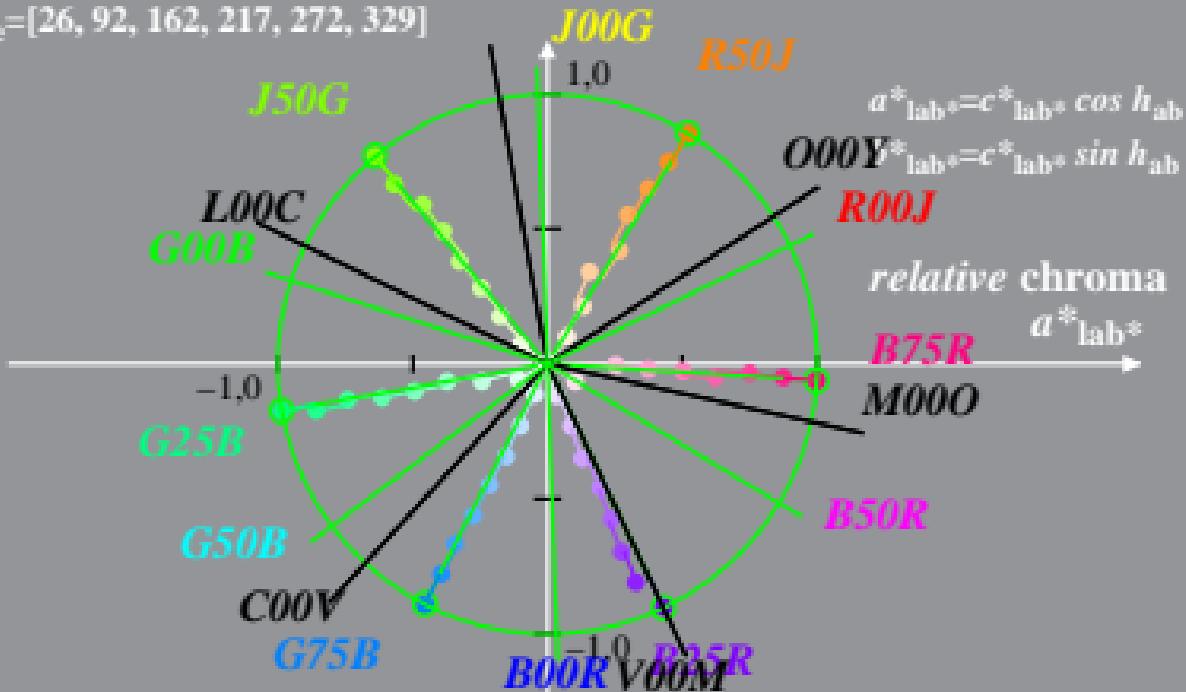
$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

$$h_{ab,ex} = [59, 127, 189, 244, 300, 357]$$

$Y00L$

$M$ =Maximum colour

$$h_{ab,e} = [26, 92, 162, 217, 272, 329]$$



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

System: HE84\_HRS16\_96\_D65\_75%\_O0  $I^*_{lab*} = (L^* - L^*_N) / (L^*_W - L^*_N)$

CIELAB hue angles:

$h_{ab,d} = [33, 100, 154, 227, 295, 347]$

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

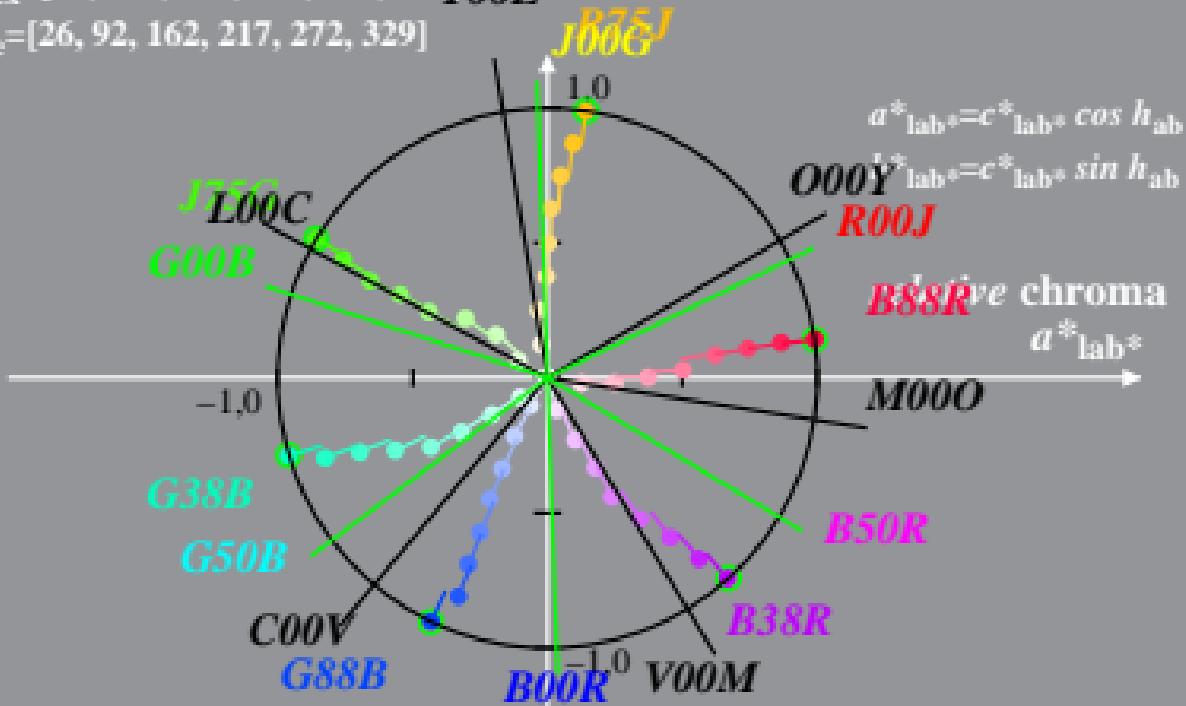
$h_{ab,ex} = [75, 144, 203, 258, 314, 371]$

$Y00L$

$M = \text{Maximum colour}$

$h_{ab,e} = [26, 92, 162, 217, 272, 329]$

$J00GJ$



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

System: HE84\_HRS16\_96\_D65\_75%\_O1

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

CIELAB hue angles:

$$h_{ab,d} = [33, 100, 154, 227, 295, 347]$$

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

$$h_{ab,ex} = [75, 144, 203, 258, 314, 371]$$

$b^*_{lab*}$

$M$ =Maximum colour

$$h_{ab,e} = [26, 92, 162, 217, 272, 329]$$

$Y00L$

$J00G75J$

