

Linear relation adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^* , t^*)
 System: HE84_HRS16_96_D65_00%_00 $I^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$
 CIELAB hue angles:

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

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

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

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

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

M =Maximum colour



Linear relation adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^* , t^*)
 System: HE84_HRS16_96_D65_00%_01 $I^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$
 CIELAB hue angles:

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

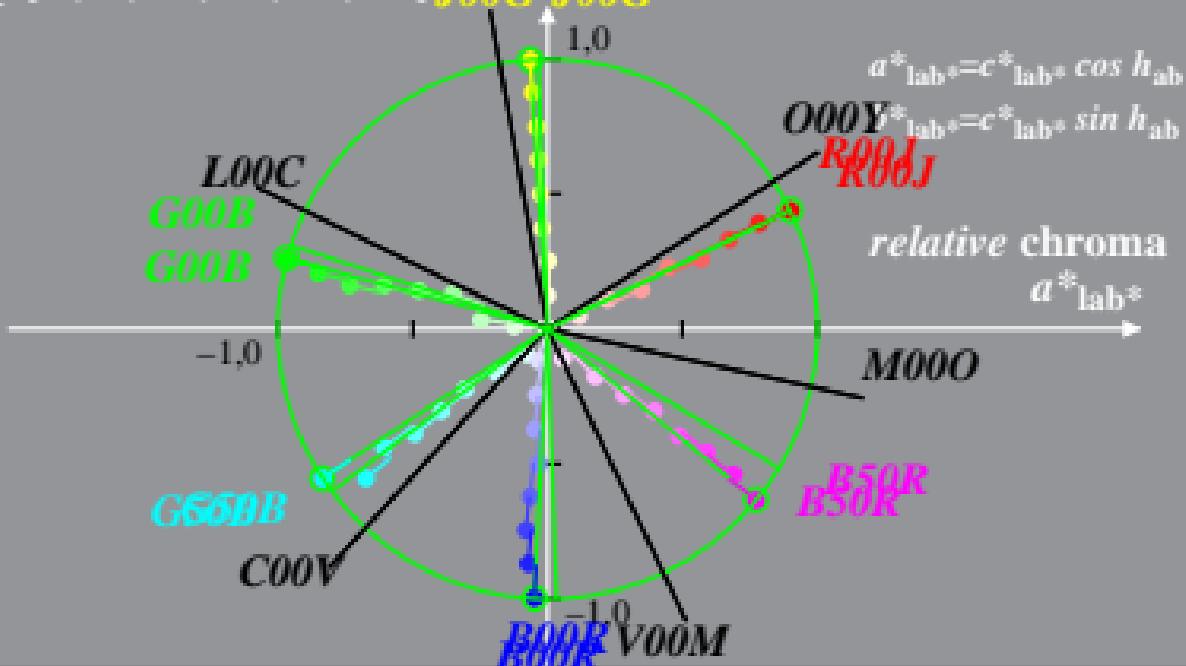
$$h_{ab,ex} = [26, 92, 162, 217, 272, 329]$$

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

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

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

M =Maximum colour



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

System: HE84_HRS16_96_D65_25%_00

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

CIELAB hue angles:

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

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

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

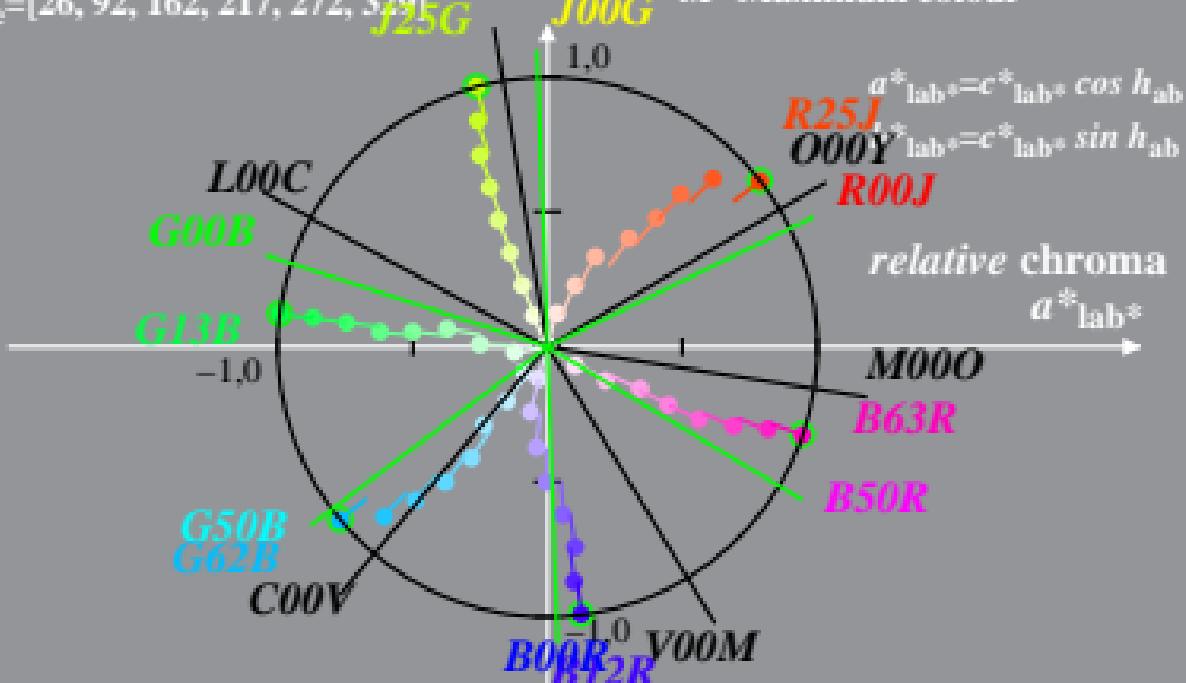
$Y00L$

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

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

M =Maximum colour

$J25G$ $J00G$



Linear relation adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^* , t^*)
 System: HE84_HRS16_96_D65_25%_01 $I^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$
 CIELAB hue angles:

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

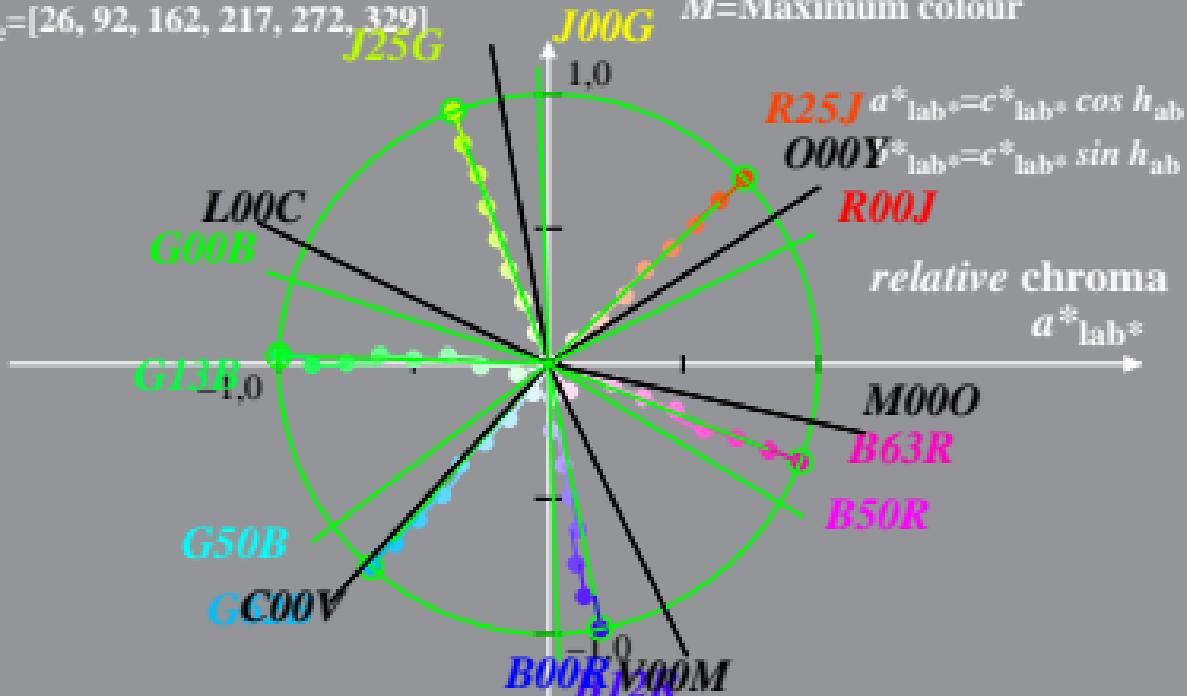
$$h_{ab,ex} = [42, 109, 175, 230, 286, 345]$$

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

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

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

M =Maximum colour



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

System: HE84_HRS16_96_D65_50%_00

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

CIELAB hue angles:

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

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

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

$Y00L$

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

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

M =Maximum colour

$J50G$

$1,0$

$J00G$ $R50J$

$L00C$

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

$G00B$

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

$G25B$

$O00Y$ $R00J$

relative chroma

a^*_{lab*}

$G50B$

$M00R$

$G00V$

$B50R$

$B00R$ $V00M$

Linear relation adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^* , t^*)
 System: HE84_HRS16_96_D65_50%_O1 $t^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$
 CIELAB hue angles: ϕ^*_a ϕ^*_b ϕ^*_c t^*_H 0.5.1

CIELAB hue angles:

$h_{\text{abs},q} = [33, 100, 154, 227, 295, 347]$

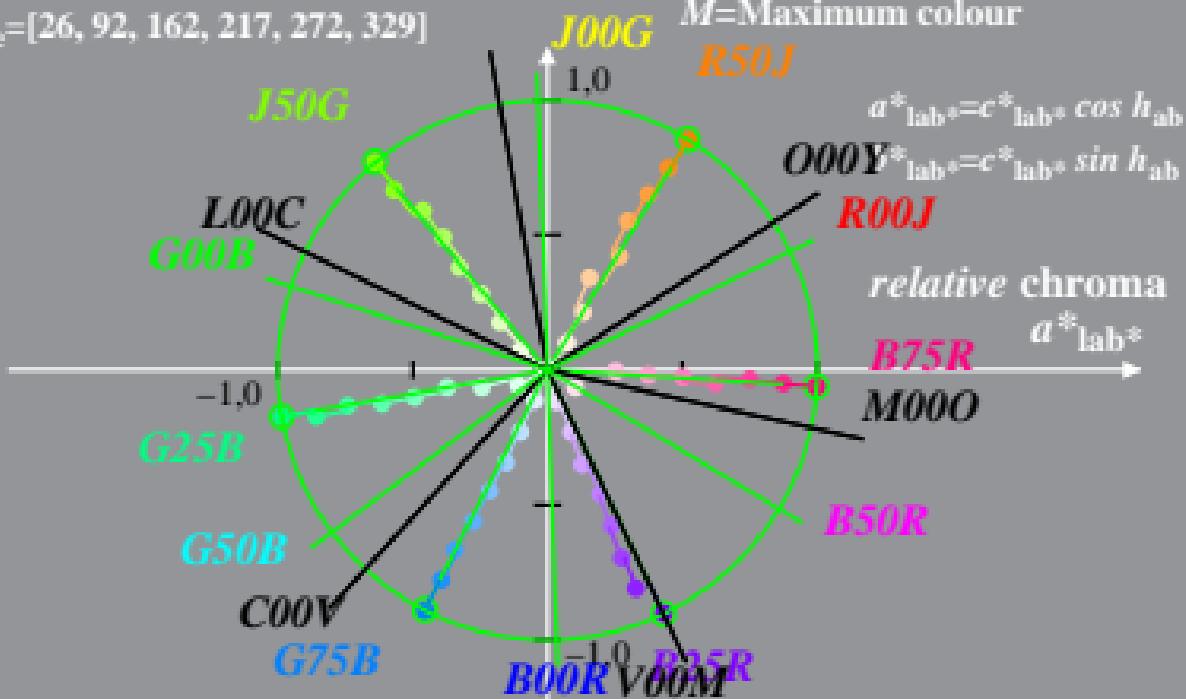
$h_{sh,ex} = [59, 127, 189, 244, 300, 357] \text{ } \mu\text{J}$

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

$$I^*_{\text{lab}*} = I^*_{\text{lab}*} - c^*_{\text{lab}*} [I^*_M - 0.5]$$

$$C^*_{\text{lab}} = C^*_{\text{abs}} / C^*_{\text{abs} \times M}$$

M=Maximum colour



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

System: HE84_HRS16_96_D65_75%_00

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

CIELAB hue angles:

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

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

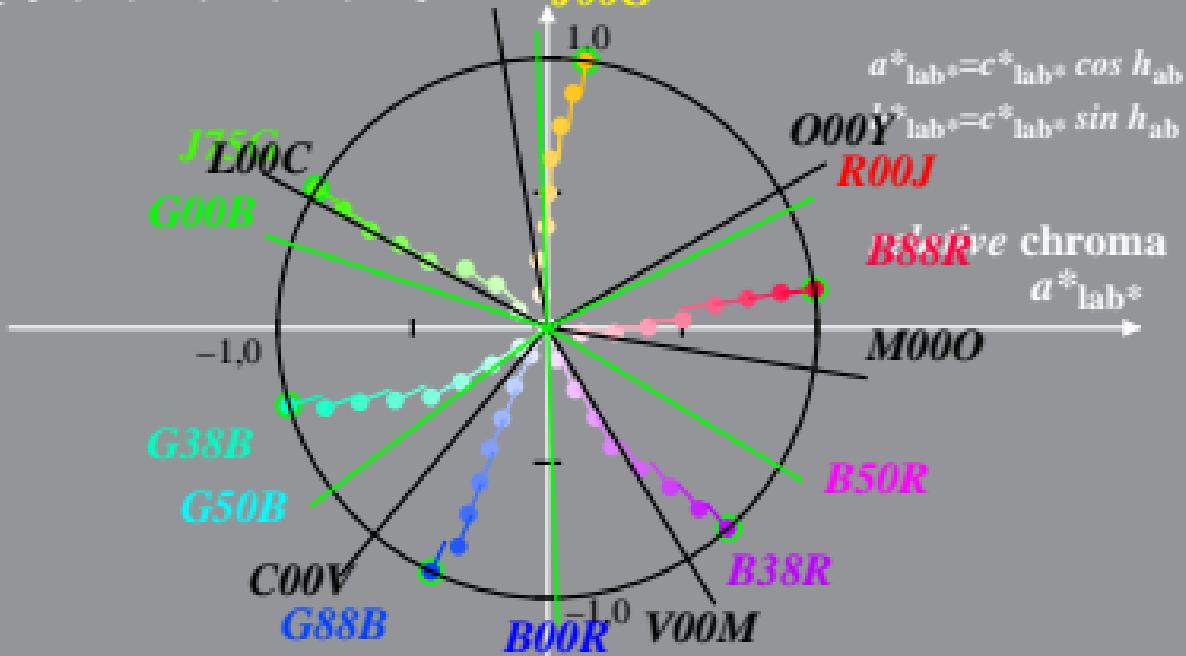
$$h_{ab,ex} = [75, 144, 203, 258, 314, 371]$$

$Y00L$

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

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

J^*_{00G} M =Maximum colour



Linear relation adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^* , t^*)
 System: HE84_HRS16_96_D65_75%_01 $I^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$

CIELAB hue angles:

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

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

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

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

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

$Y00L$

$J00G75Y$ = Maximum colour

