

Linear relation adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^* , t^*)
 System: HE81_HRS27_96_D65_00%_00 $I^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$
 CIELAB hue angles:

$$h_{ab,d} = [33, 98, 150, 227, 301, 350]$$

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

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

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

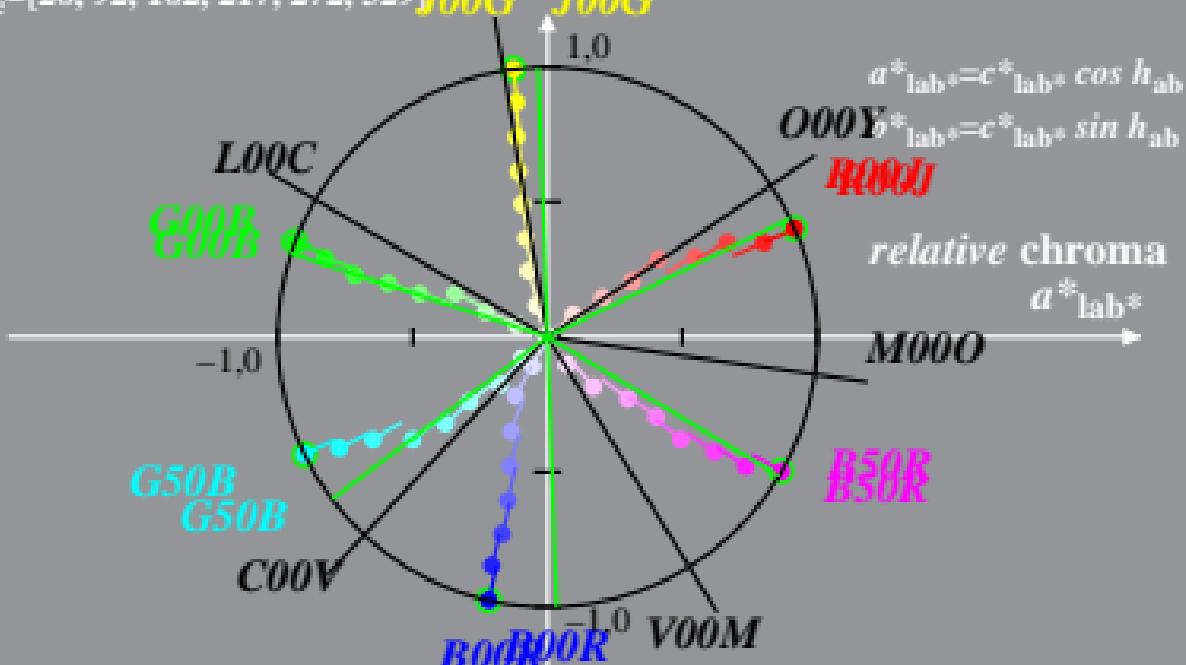
$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

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

$$J00G$$

$$J00G$$

M =Maximum colour



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

System: HE81_HRS27_96_D65_00%_01 $I^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$

CIELAB hue angles:

$h_{ab,d} = [33, 98, 150, 227, 301, 350]$

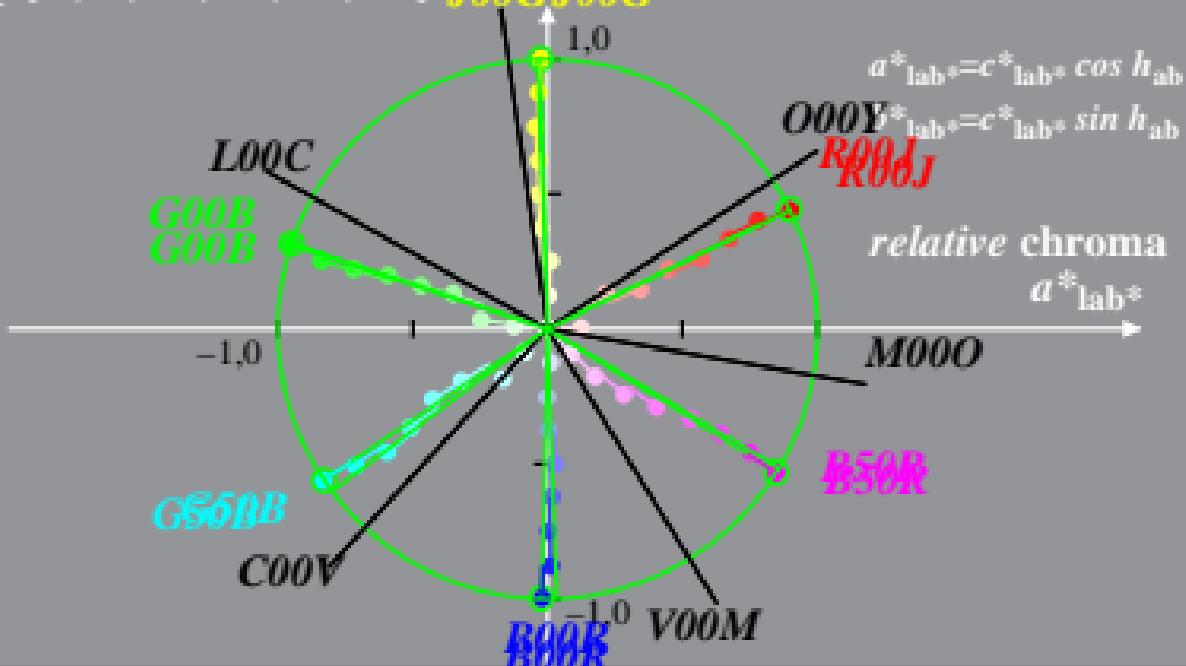
$$t^*_{lab*} = I^*_{lab*} - c^*_{lab*} [I^*_M - 0,5]$$

$h_{ab,ex} = [26, 92, 162, 217, 272, 329]$ $Y00L$

b^*_{lab*}

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

$h_{ab,e} = [26, 92, 162, 217, 272, 329]$ $J00G J00G$ M =Maximum colour



Linear relation adapted (a) CIELAB ($C^*_{ab,a}, L^*$) and relative CIELAB (c^*, t^*)
 System: HE81_HRS27_96_D65_25%_00 $t^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$
 CIELAB hue angles:

$$h_{ab,d} = [33, 98, 150, 227, 301, 350]$$

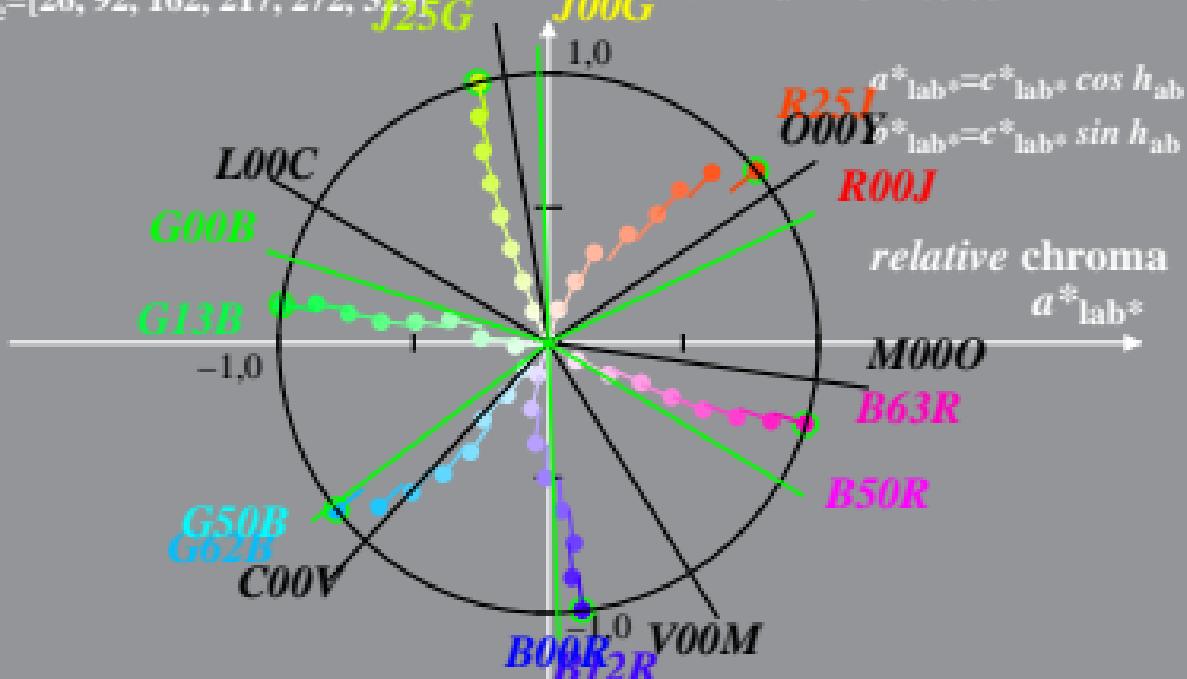
$$h_{ab,ex} = [42, 109, 175, 230, 286, 343]$$

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

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

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

M =Maximum colour



Linear relation adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^* , t^*)
 System: HE81_HRS27_96_D65_25%_01 $I^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$
 CIELAB hue angles:

$$h_{ab,d} = [33, 98, 150, 227, 301, 350]$$

$$h_{ab,ex} = [42, 109, 175, 230, 286, 343] \text{ Y00L}$$

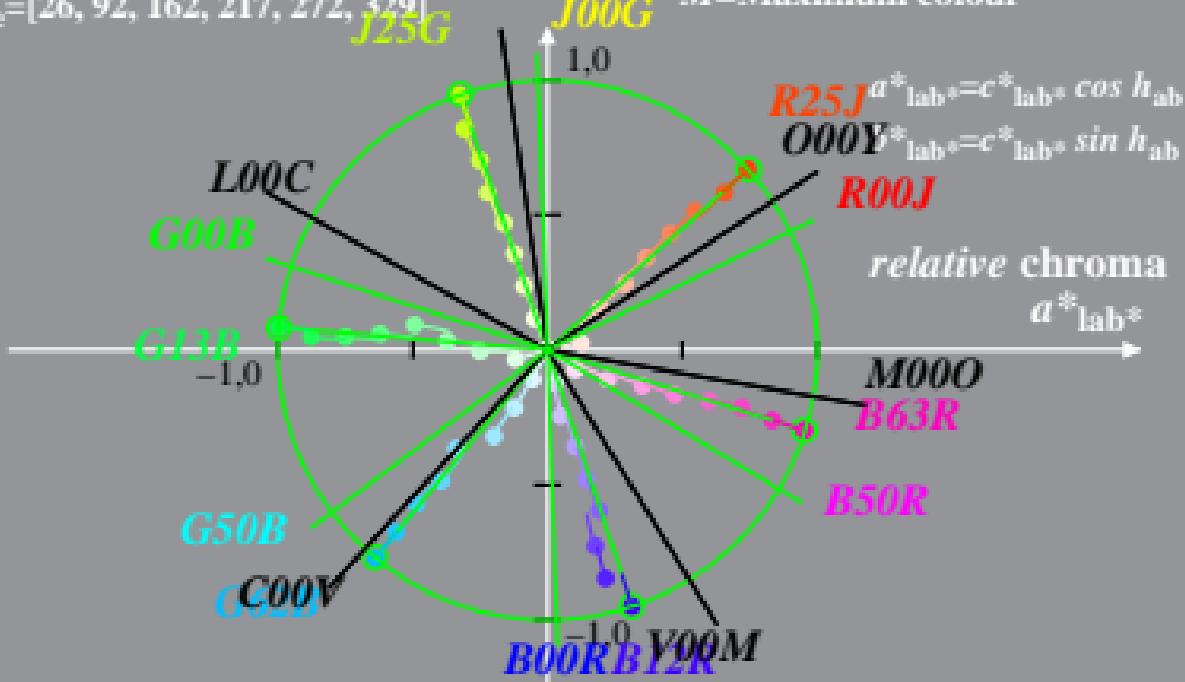
$$h_{ab,e} = [26, 92, 162, 217, 272, 329]$$

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

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

M =Maximum colour

$J25G$ $J00G$



Linear relation adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^* , t^*)
 System: HE81_HRS27_96_D65_50%_00 $I^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$
 CIELAB hue angles:

$$h_{ab,d} = [33, 98, 150, 227, 301, 350]$$

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

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

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

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

$Y00L$

M =Maximum colour

$J00G$ $R50J$

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

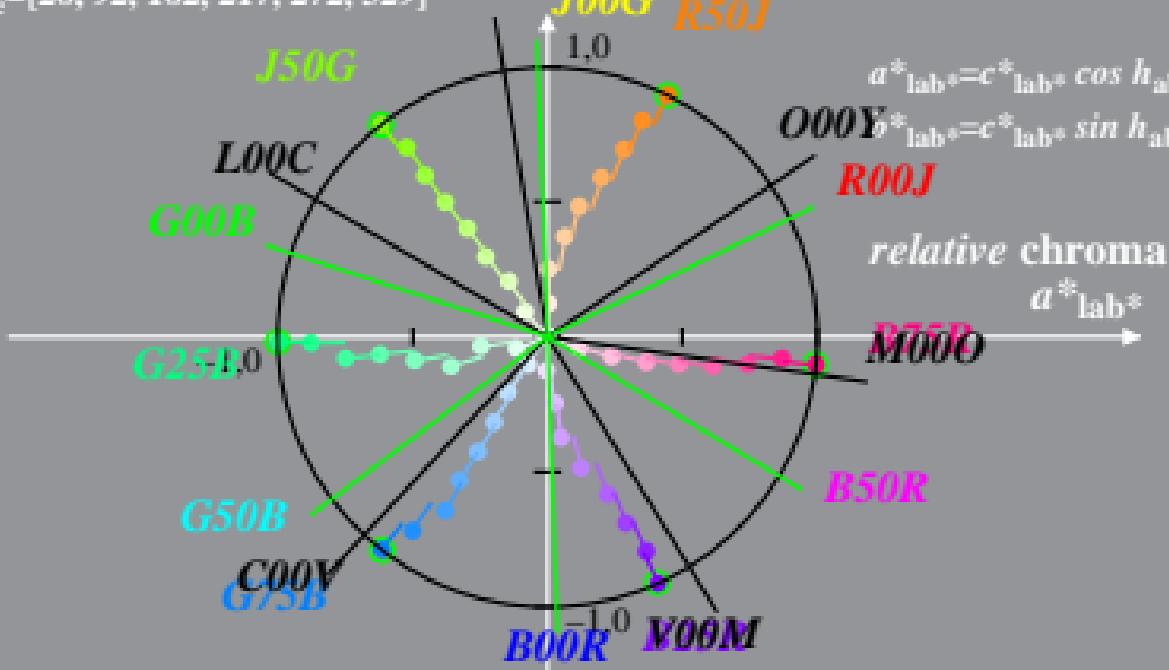
$O00Y^*$ $c^*_{lab*} = c^*_{lab*} \sin h_{ab}$

$R00J$

relative chroma

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

$M50P$



Linear relation adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^* , t^*)
 System: HE81_HRS27_96_D65_50%_01 $I^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$
 CIELAB hue angles:

$$h_{ab,d} = [33, 98, 150, 227, 301, 350]$$

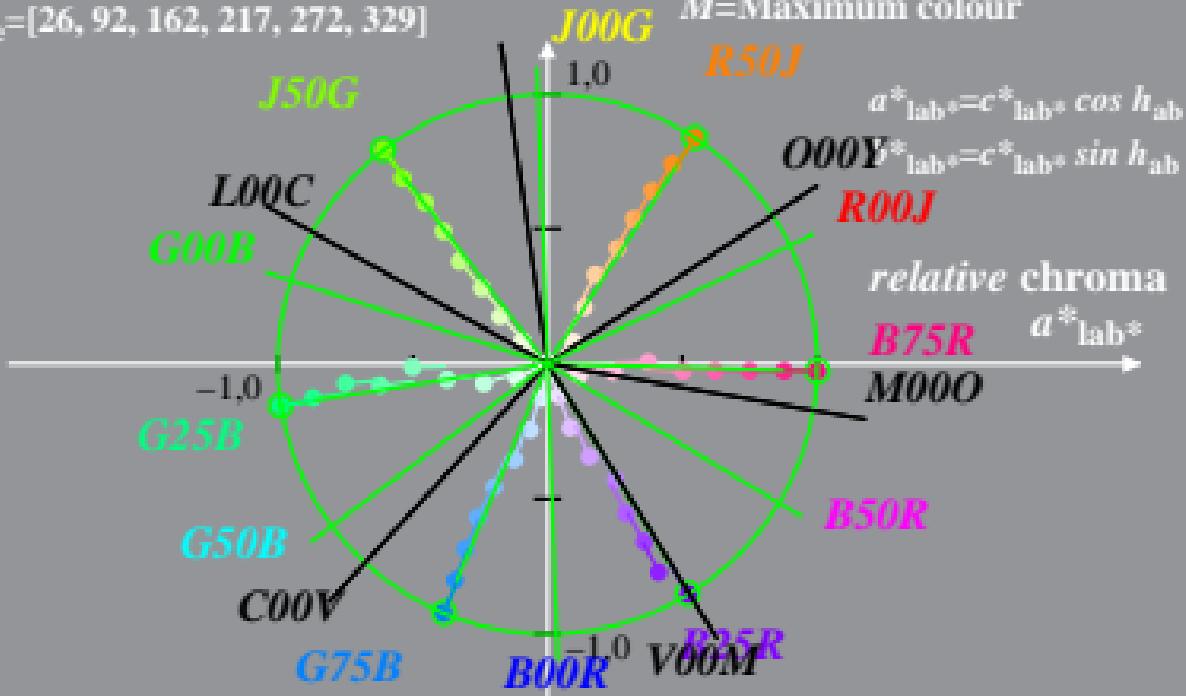
$$h_{ab,ex} = [59, 127, 189, 244, 300, 357] \quad Y00L$$

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

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

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

M =Maximum colour



Linear relation adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^* , t^*)
 System: HE81_HRS27_96_D65_75%_00 $I^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$
 CIELAB hue angles:

$$h_{ab,d} = [33, 98, 150, 227, 301, 350]$$

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

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

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

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

$Y00L$

$J00E$

M =Maximum colour

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

$O00Y$

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

$R00J$

$B88R$ ve chroma

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

$M00O$

$B50R$

$B38R$

$V00M$

$B00R$

$G88B$

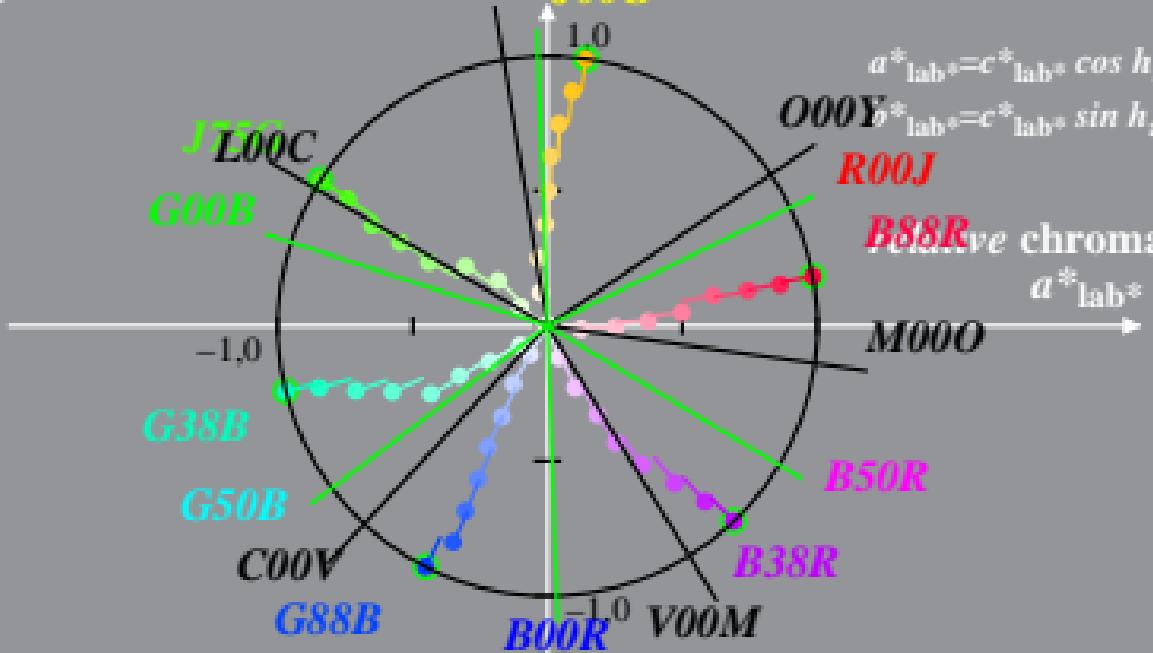
$C00V$

$G50B$

$G38B$

$G00B$

$JL00C$



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

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CIELAB hue angles:

$h_{ab,d} = [33, 98, 150, 227, 301, 350]$

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

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

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

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

M =Maximum colour

