

Linear relation adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^* , t^*)
 System: HE86_HRS16_96_D65_00%_00 $I^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$
 CIELAB hue angles:

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

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

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

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

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

M =Maximum colour



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

System: HE86_HRS16_96_D65_00%_01 $I^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$

CIELAB hue angles:

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

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

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

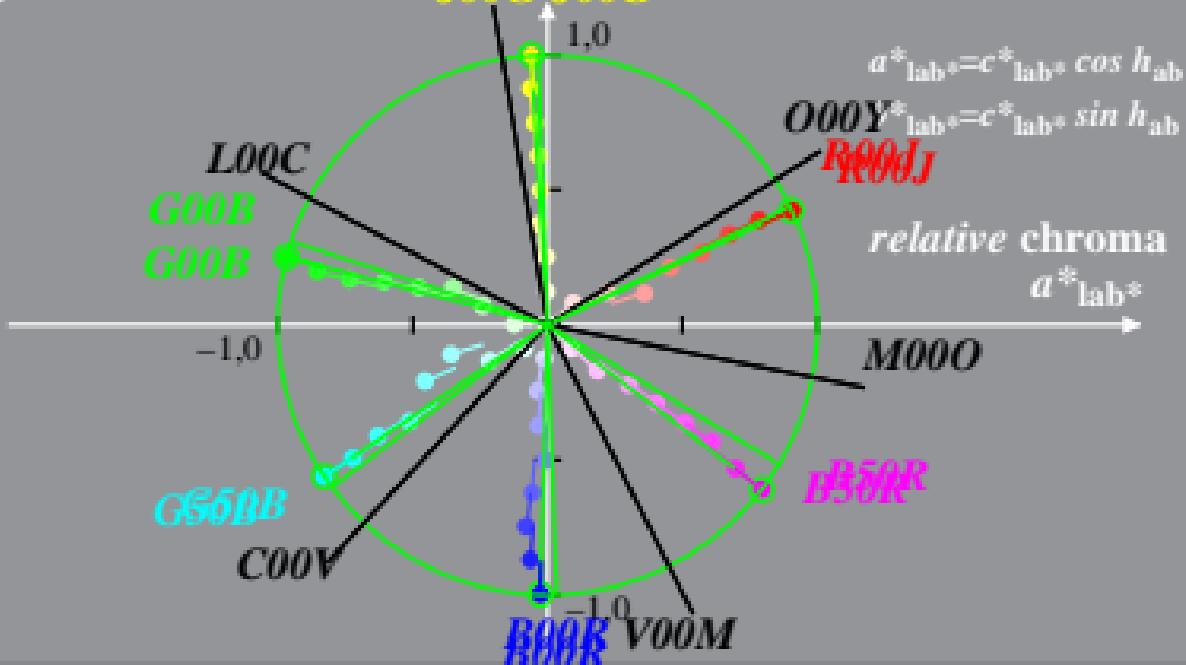
$b^*_{lab^*}$

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

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

$J00G$

$J00G$ M =Maximum colour



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

System: HE86_HRS16_96_D65_25%_00

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

CIELAB hue angles:

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

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

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

$Y00L$

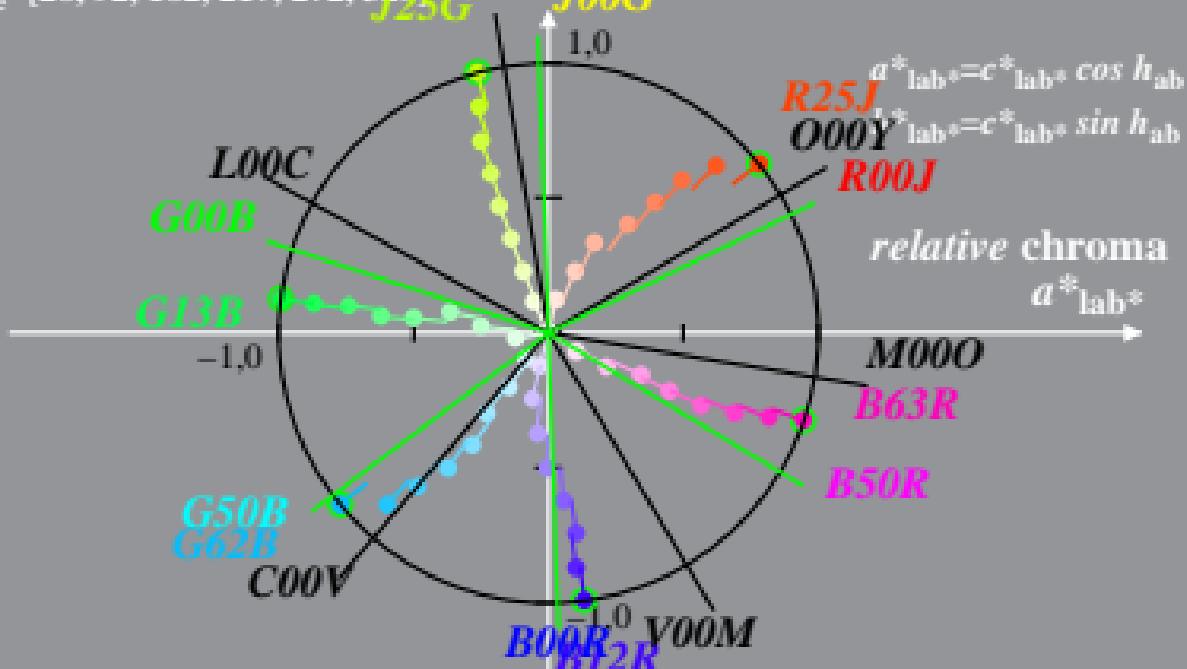
$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

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

$J25G$

M =Maximum colour

$J00G$



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

System: HE86_HRS16_96_D65_25%_01 $I^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$

CIELAB hue angles:

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

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

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

b^*_{lab*}

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

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

M =Maximum colour

$J25G$

$J00L$

$J00G$

$L00C$

$G00B$

$G13B$

$G50B$

$G00V$

$R25J$

$O00Y$

$R00J$

relative chroma

a^*_{lab*}

$M00O$

$B63R$

$B50R$

$B00B$

$V00M$

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

System: HE86_HRS16_96_D65_50%_00

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

CIELAB hue angles:

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

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

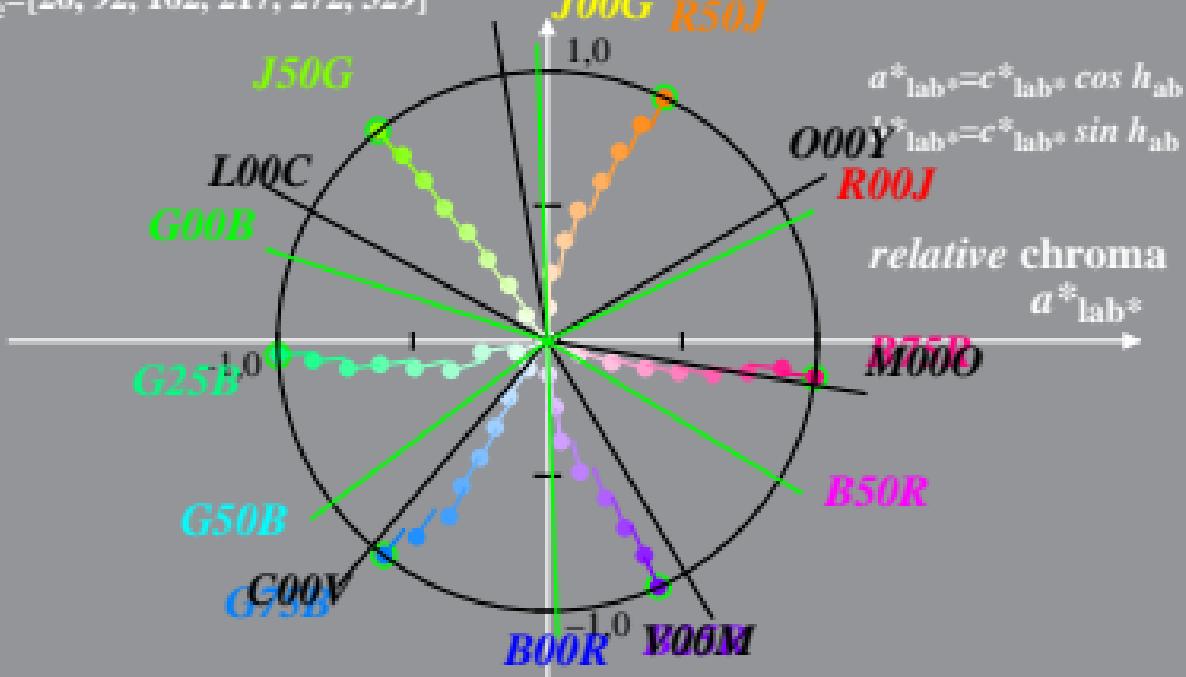
$$h_{ab,ex} = [59, 127, 189, 244, 300, 357]$$

$Y00L$

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

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

M =Maximum colour



Linear relation adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^* , t^*)
 System: HE86_HRS16_96_D65_50%_O1 $I^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$
 CIELAB hue angles:

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

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

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

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

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

M =Maximum colour

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

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

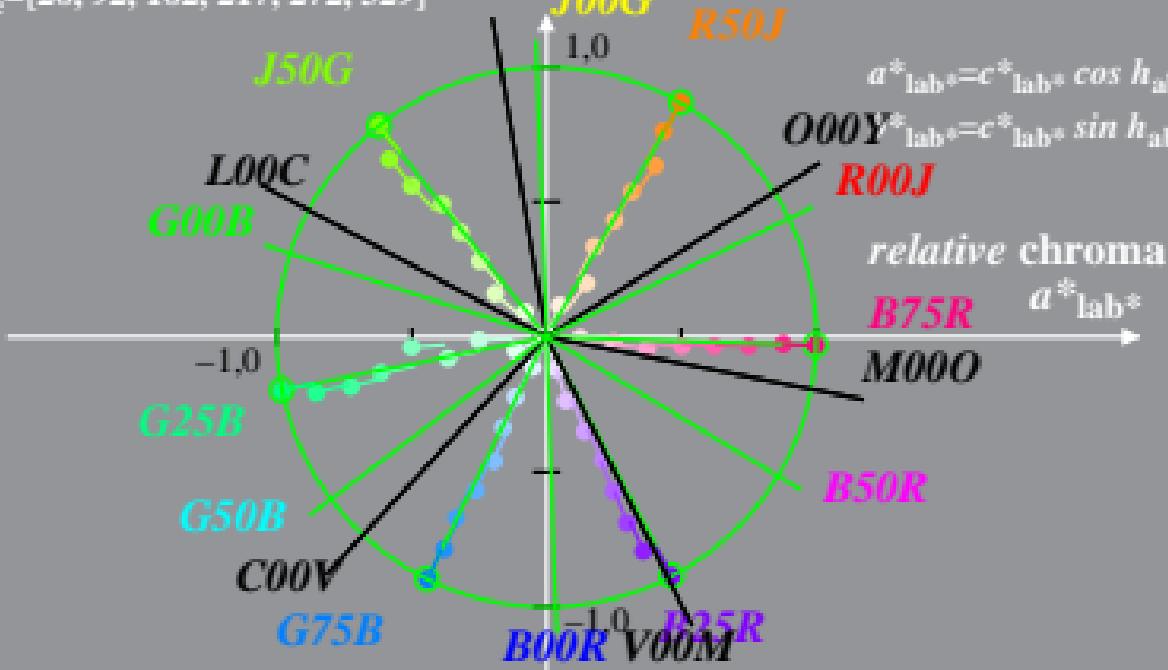
$R00J$

relative chroma

$$B75R \quad a^*_{lab*}$$

$M00O$

$B50R$



Linear relation adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^* , t^*)
 System: HE86_HRS16_96_D65_75%_00 $I^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$
 CIELAB hue angles:

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

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

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

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

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

$Y00L$

$J00G$

M =Maximum colour

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

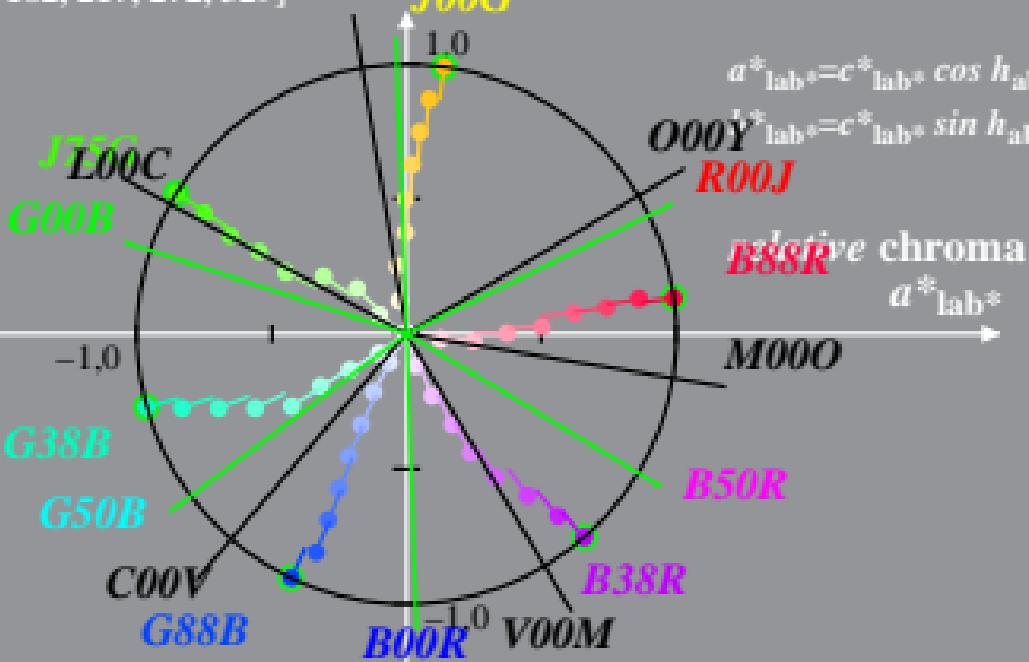
$$Y^*_{lab*} = c^*_{lab*} \sin h_{ab}$$

$R00J$

$B38R$ drive chroma

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

$M00O$



Linear relation adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^* , t^*)
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$$h_{ab,ex} = [75, 144, 203, 258, 314, 371]$$

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

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

$Y00L$

b^*_{lab*}

c^*_{lab*}

I^*_{lab*}

a^*_{lab*}

$M=$ Maximum colour

