

Linear relation adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^* , t^*)
 System: HE85_HRS16_96_D65_00%_00 $I^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$
 CIELAB hue angles:

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

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

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

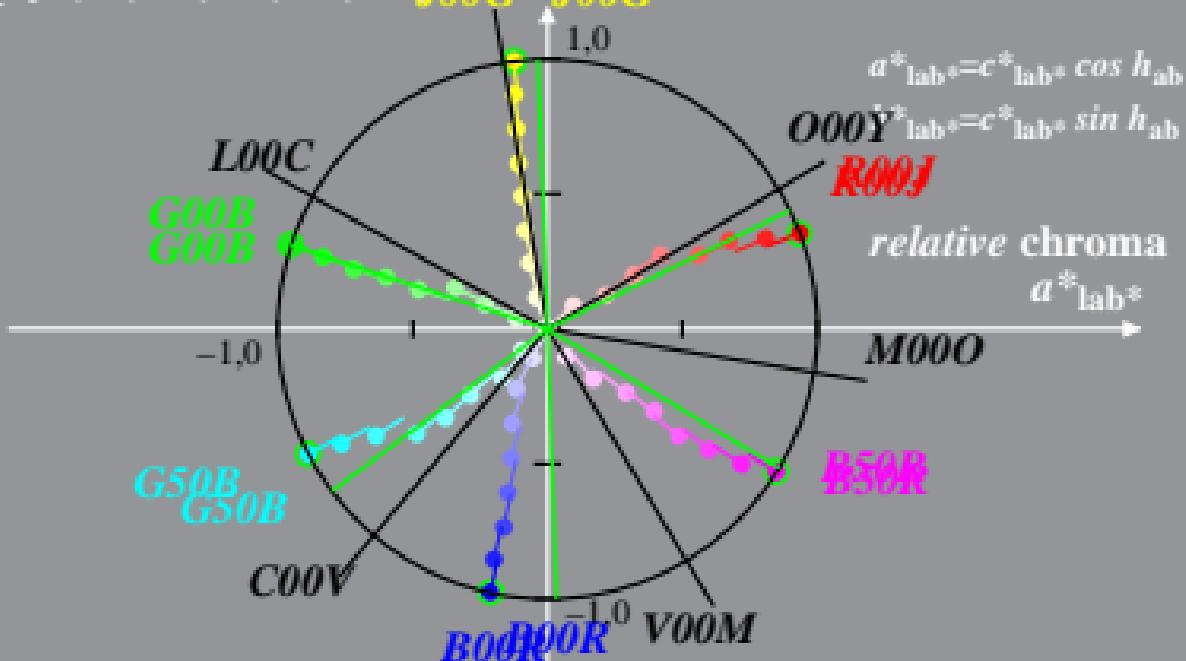
$$b^*_{lab*}$$

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

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

$$J00G$$

$$M = \text{Maximum colour}$$



Linear relation adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^* , t^*)
 System: HE85_HRS16_96_D65_00%_01 $I^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$
 CIELAB hue angles:

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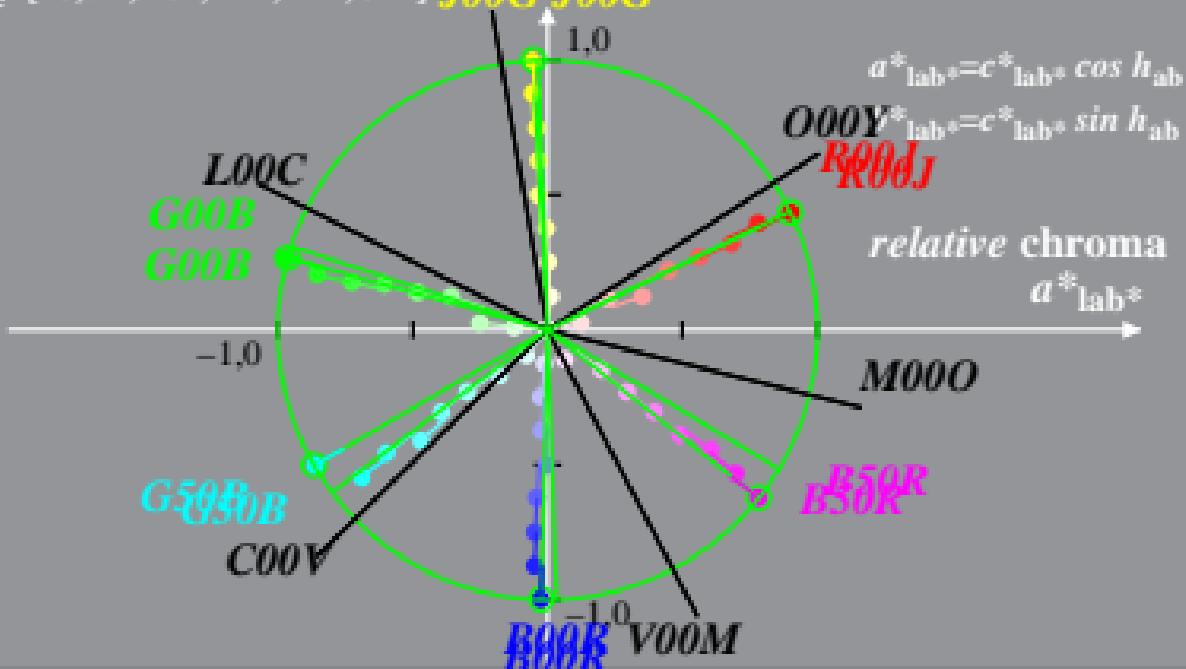
$$h_{ab,ex} = [26, 92, 162, 217, 272, 329]$$

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

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

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

M =Maximum colour



Linear relation adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^* , t^*)
 System: HE85_HRS16_96_D65_25%_00 $I^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$
 CIELAB hue angles:

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

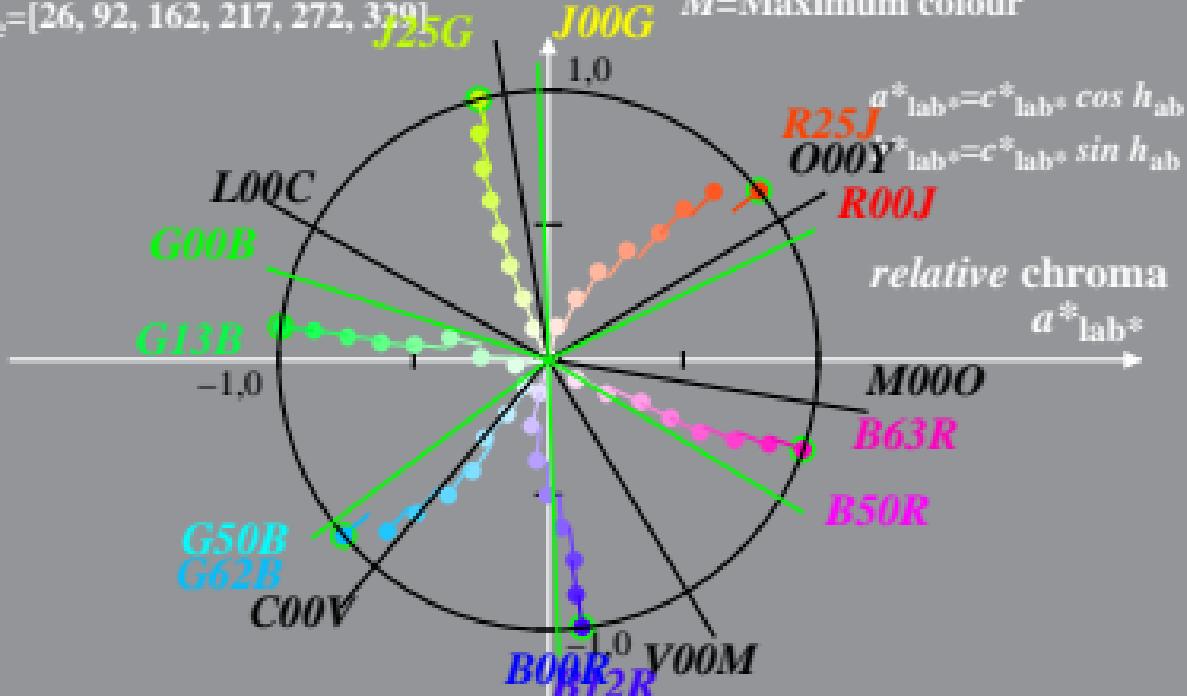
$$h_{ab,ex} = [42, 109, 175, 230, 286, 343]$$

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

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

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

M =Maximum colour



Linear relation adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^* , t^*)
 System: HE85_HRS16_96_D65_25%_01 $I^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$
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$$t^*_{lab*} = I^*_{lab*} - c^*_{lab*} [I^*_M - 0,5]$$

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

$Y00L$

$J25G$

$J00G$

M =Maximum colour

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

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

$R00J$

relative chroma

a^*_{lab*}

$M00O$

$B63R$

$B50R$

$L00C$

$G00B$

$G13B$

$G50B$

$C00V$

$C50B$

$B00B12R$

$B12R$

$B00V00M$

Linear relation adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^* , t^*)
 System: HE85_HRS16_96_D65_50%_00 $I^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$
 CIELAB hue angles:

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

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

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

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

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

M =Maximum colour

$J00L$ $J00G$ $R50J$

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

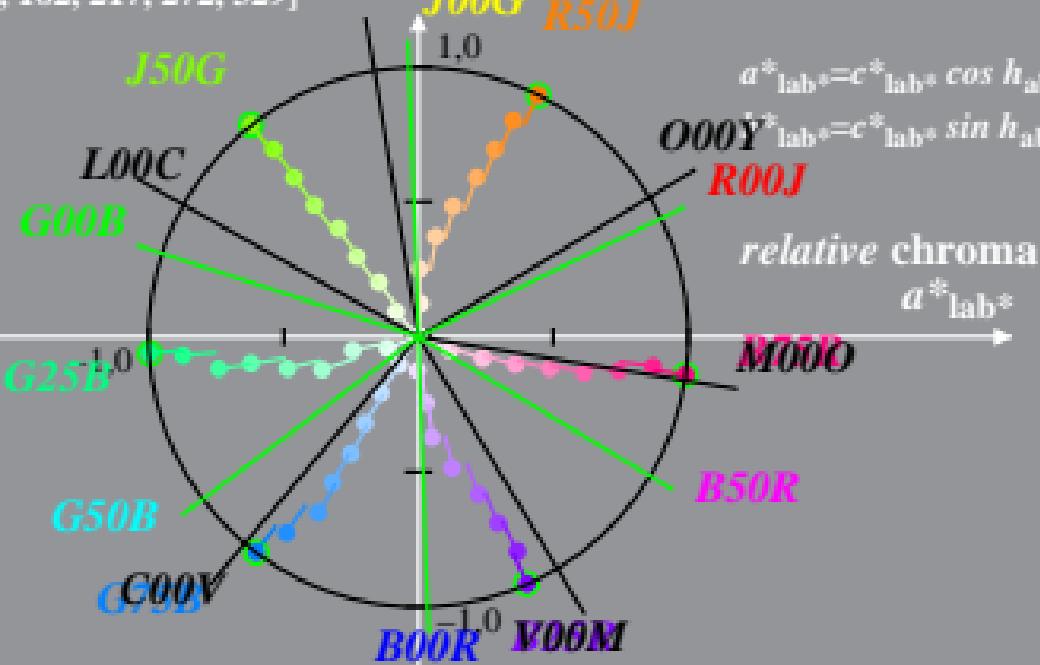
$$O00Y^*_{lab*} = c^*_{lab*} \sin h_{ab}$$

$R00J$

relative chroma

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

$M00O$



Linear relation adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^* , t^*)
 System: HE85_HRS16_96_D65_50%_01 $I^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$
 CIELAB hue angles:

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

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

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

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

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

M =Maximum colour

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

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

$R00J$

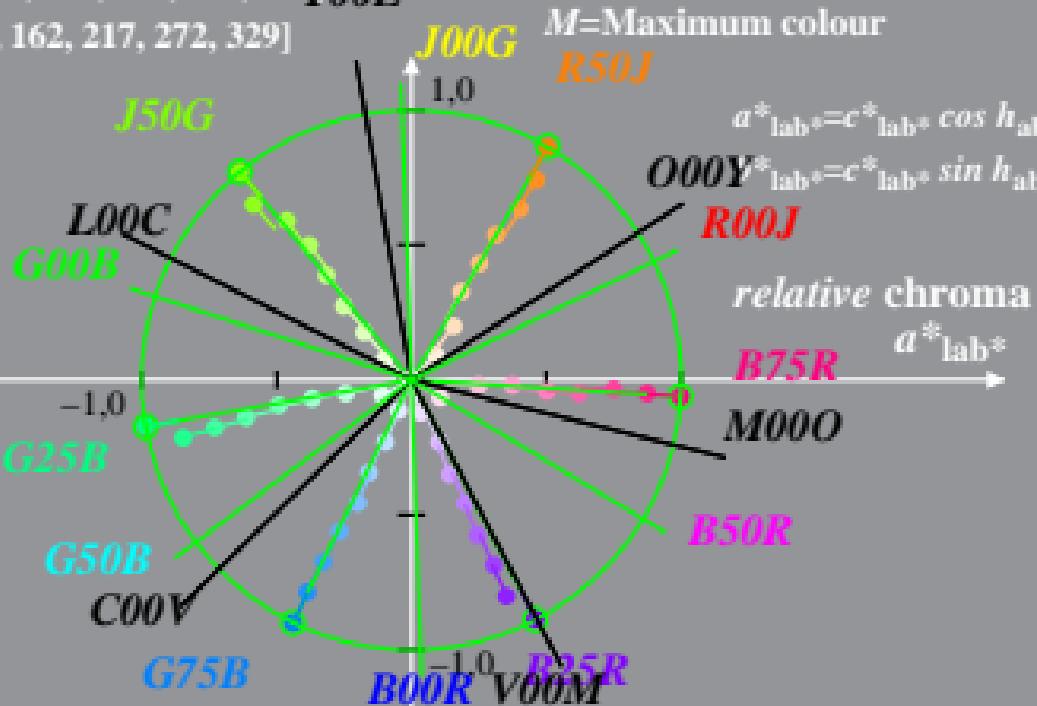
relative chroma

$B75R$

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

$M00O$

$B50R$



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

System: HE85_HRS16_96_D65_75%_00

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

CIELAB hue angles:

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

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

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

$Y00L$

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

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

$J00G$ J = Maximum colour

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

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

$R00J$

$B88R$ ive chroma

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

$M00O$



-1,0

-1,0

$B00R$

1,0

1,0

Linear relation adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^* , t^*)
 System: HE85_HRS16_96_D65_75%_01 $I^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$
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