

Linear relation adapted (a) CIELAB ($C^*_{ab,a}, L^*$) and relative CIELAB (c^*, t^*)
 System: R_LRS18_Z45N_3

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

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

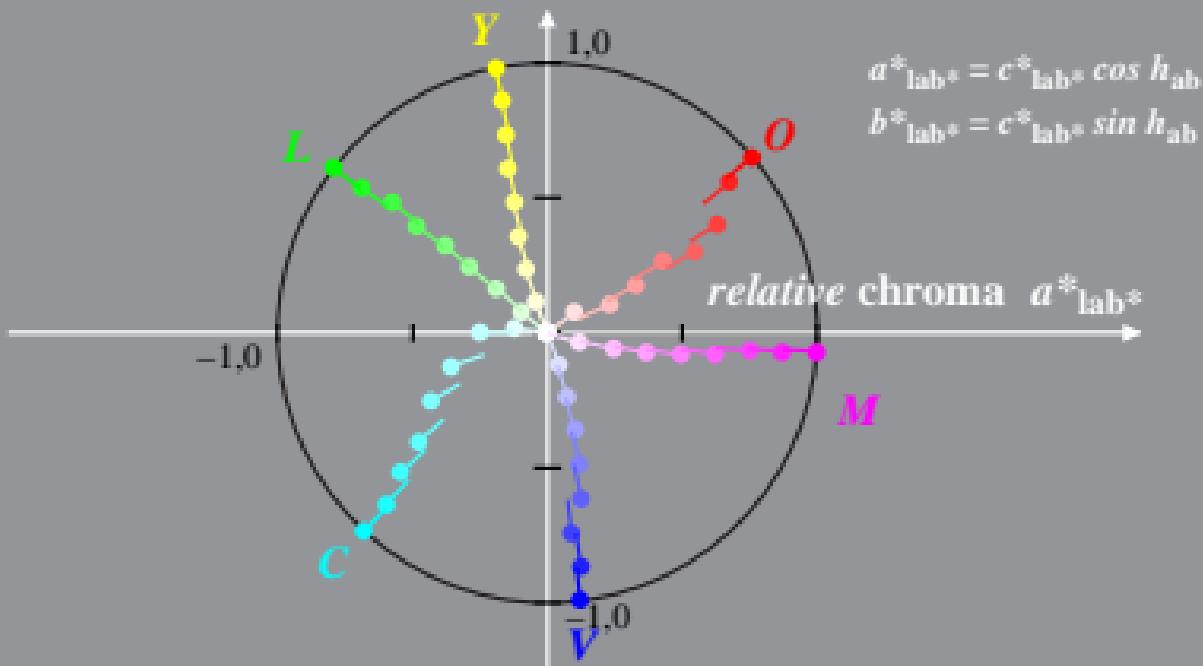
$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

M = Maximum colour

CIELAB hue angles:

$$h_{ab,d} = [40, 101, 142, 227, 276, 355]$$

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



Linear relation adapted (a) CIELAB ($C^*_{ab,a}, L^*$) and relative CIELAB (c^*, t^*)
 System: R_LRS25_Z46N_N0

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

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

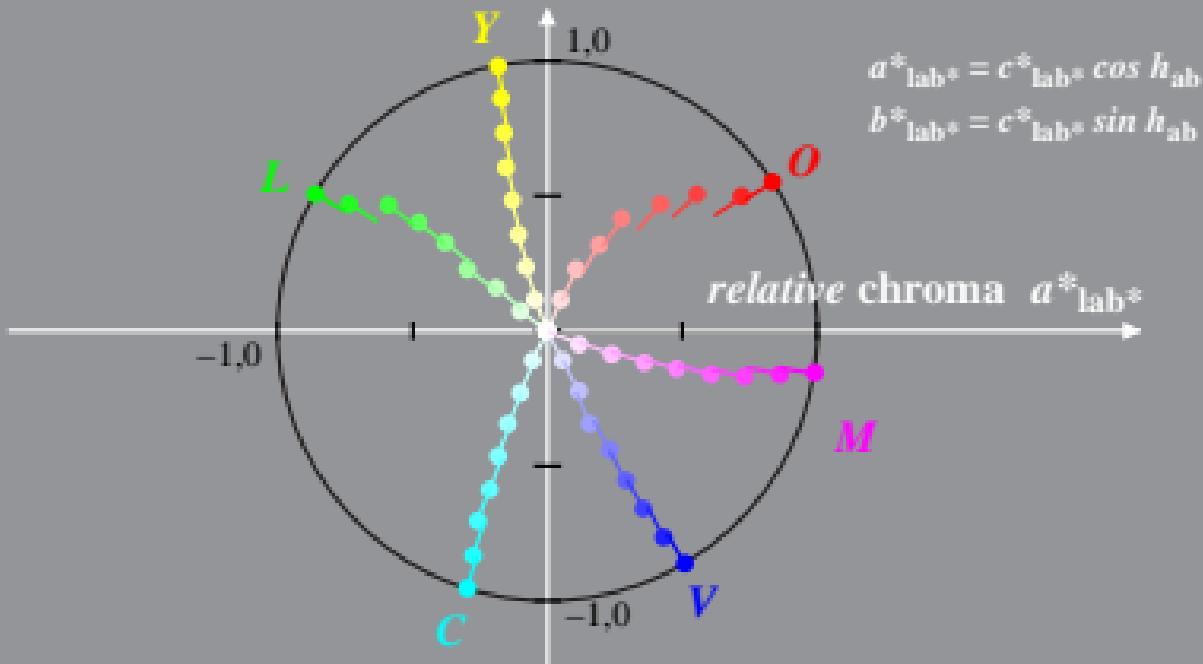
$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

M = Maximum colour

CIELAB hue angles:

$$h_{ab,d} = [33, 100, 149, 252, 300, 350]$$

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



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

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

relative chroma a^*_{lab*}

M

Linear relation adapted (a) CIELAB ($C^*_{ab,a}, L^*$) and relative CIELAB (c^*, t^*)
System: R_LRS25_Z47N_N4

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

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

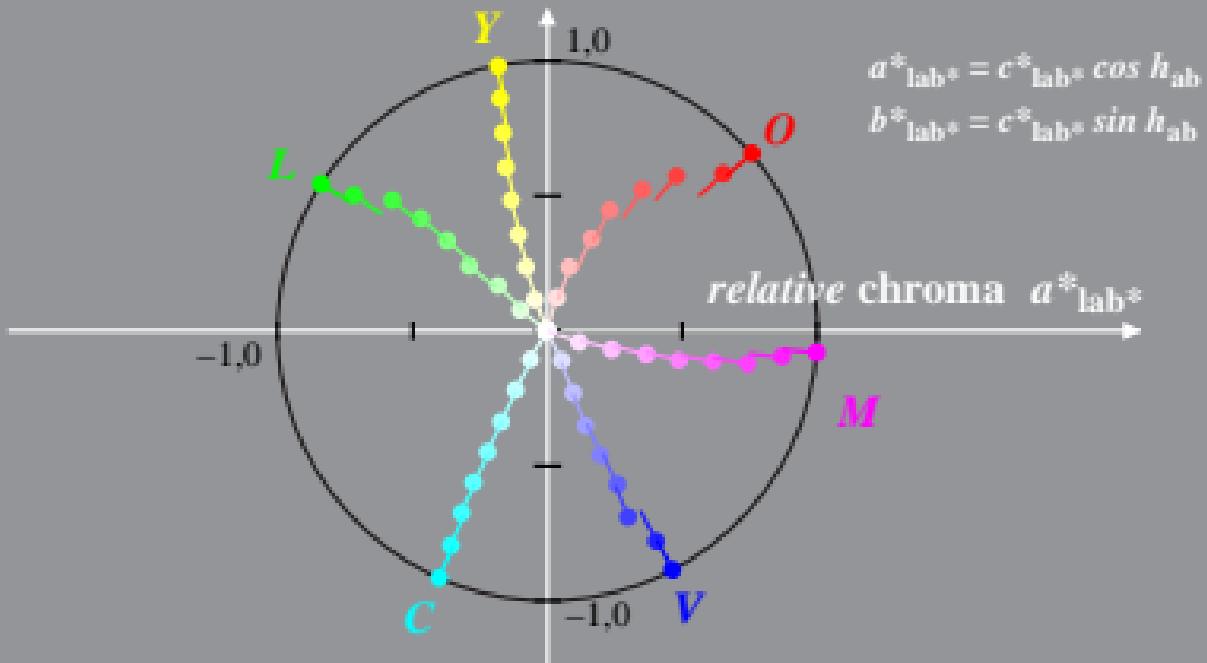
$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

M = Maximum colour

CIELAB hue angles:

$$h_{ab,d} = [40, 100, 146, 246, 297, 355]$$

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



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

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

relative chroma a^*_{lab*}

M

Linear relation adapted (a) CIELAB ($C^*_{ab,a}, L^*$) and relative CIELAB (c^*, t^*)
 System: R_LRS24_Z48N_N5

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

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

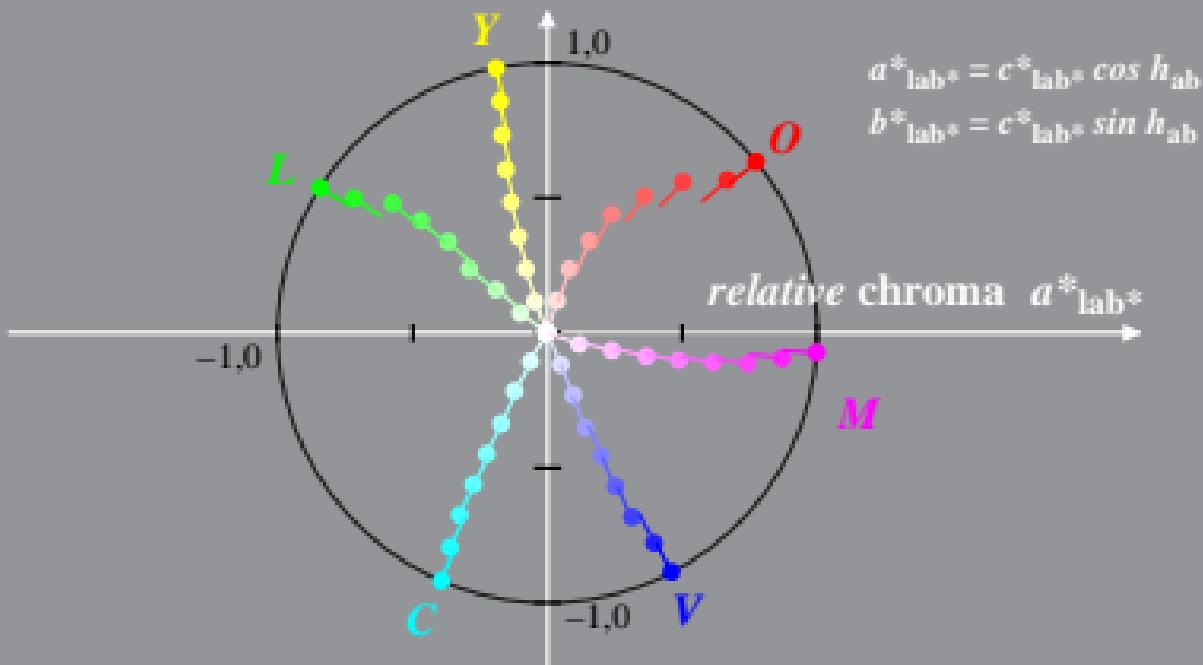
$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

M = Maximum colour

CIELAB hue angles:

$$h_{ab,d} = [39, 100, 147, 246, 297, 355]$$

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



Linear relation adapted (a) CIELAB ($C^*_{ab,a}, L^*$) and relative CIELAB (c^*, t^*)
System: R_LRS16_Z45F_3

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

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

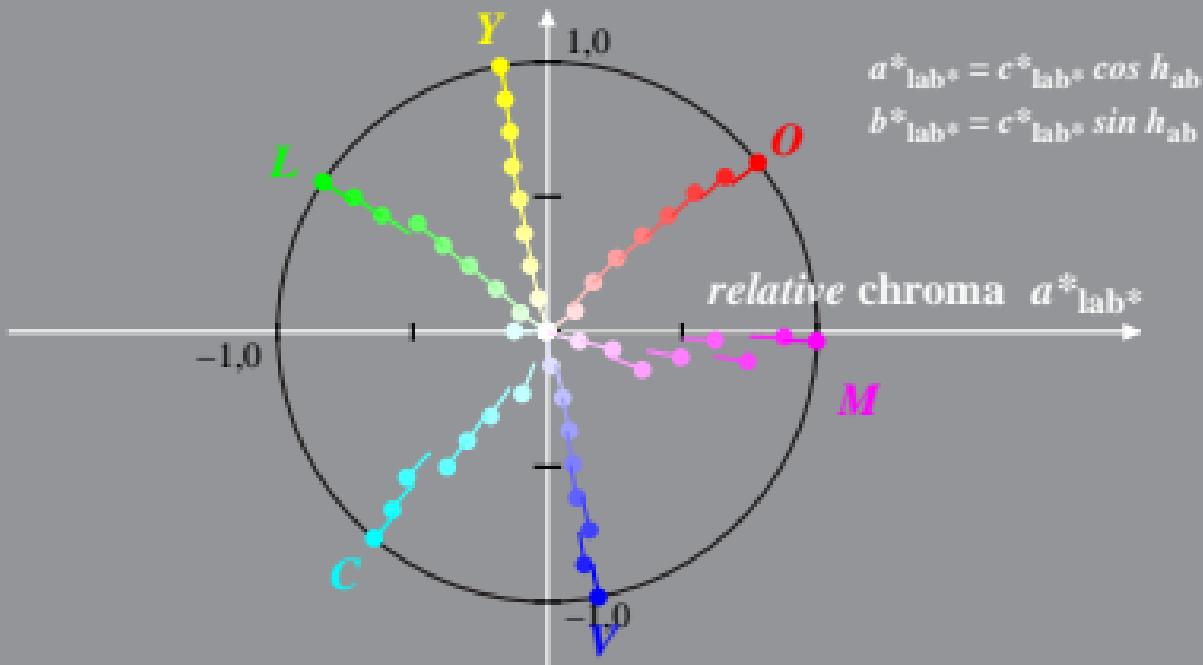
$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

M = Maximum colour

CIELAB hue angles:

$$h_{ab,d} = [38, 99, 146, 230, 280, 357]$$

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



Linear relation adapted (a) CIELAB ($C^*_{ab,a}, L^*$) and relative CIELAB (c^*, t^*)
 System: R_LRS24_Z46F_N0 $t^*_{\text{corr}} = (L^*_{\text{corr}} - L^*_{\text{ref}}) / (L^*_{\text{max}} - L^*_{\text{min}})$

CIELAB hue angles:

$$h_{\text{ab},d} = [32, 99, 153, 254, 303, 354]$$

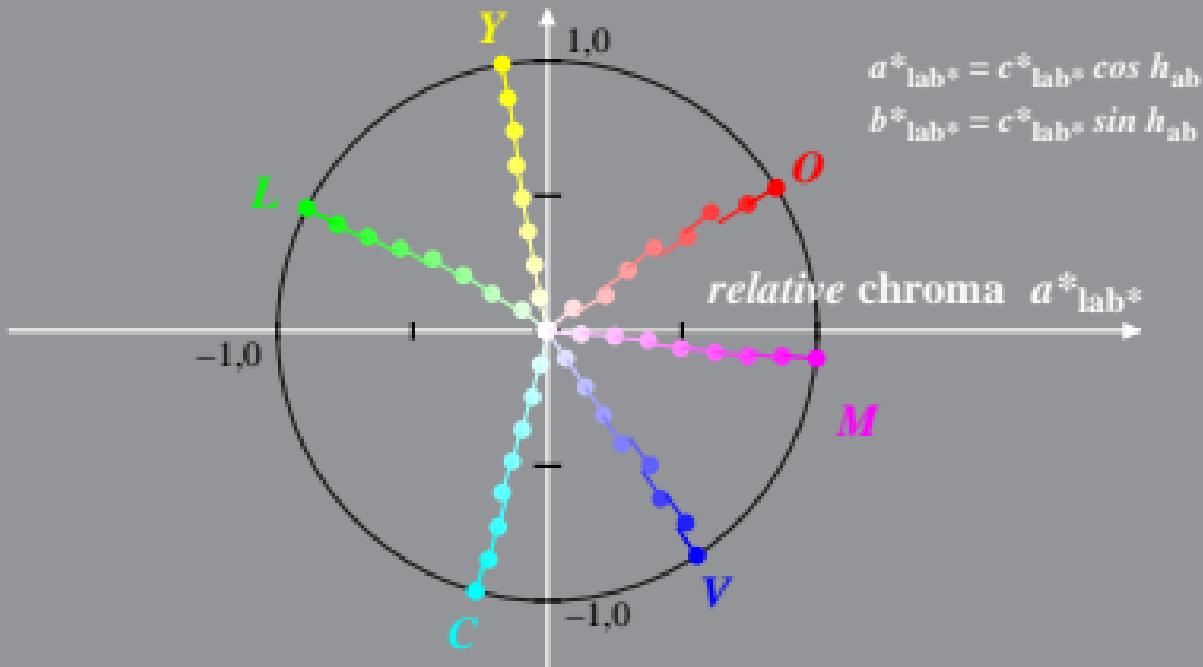
b * b

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

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

$$C^*_{\text{bb}*} = C^*_{\text{sh},2}/C^*_{\text{sh},2} M$$

M = Maximum colour



Linear relation adapted (a) CIELAB ($C^*_{ab,a}, L^*$) and relative CIELAB (c^*, t^*)
 System: R_LRS21_Z47F_N4

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

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

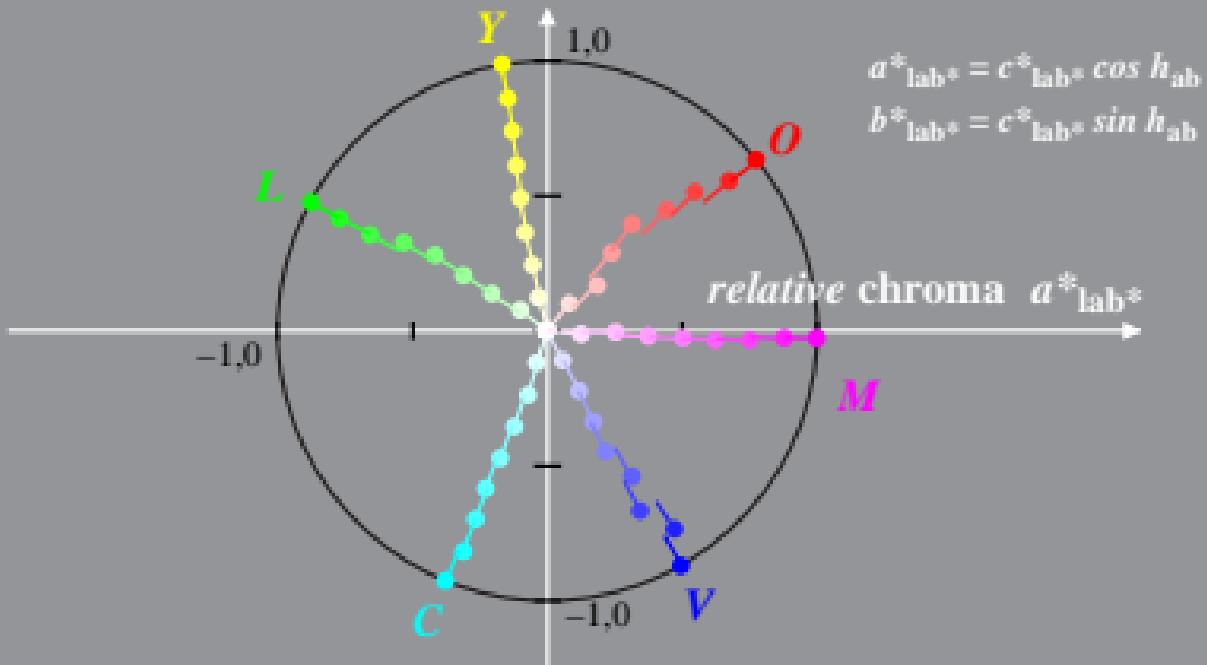
$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

M = Maximum colour

CIELAB hue angles:

$$h_{ab,d} = [39, 99, 151, 247, 299, 358]$$

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



Linear relation adapted (a) CIELAB ($C^*_{ab,a}, L^*$) and relative CIELAB (c^*, t^*)
System: R_LRS21_Z48F_N5

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

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

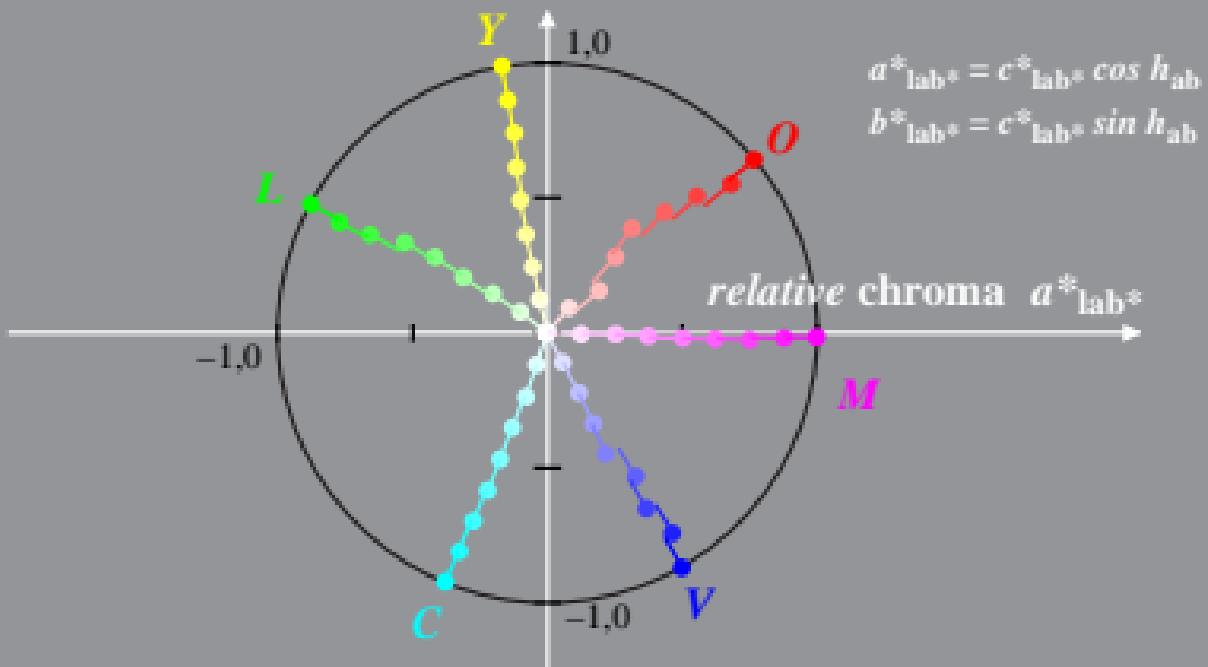
$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

M = Maximum colour

CIELAB hue angles:

$$h_{ab,d} = [40, 99, 151, 247, 299, 359]$$

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



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

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

relative chroma a^*_{lab*}

M