

Linear relation CIELAB (L^* , a^* , b^*) and *adapted (a)* CIELAB ($C_{ab,a}^*$, L^*)

System: R_LRS18_Z45N_3

CIELAB hue angles:

$h_{ab,d}=[38, 0, 44, 349, 44, 0]$

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

$$l^*=(L^*-L_N^*)/(L_W^*-L_N^*)$$

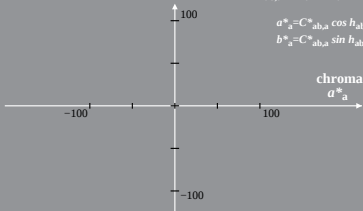
$$a_a^*=a^*-a_N^*-l^*[a_W^*-a_N^*]$$

$$b_a^*=b^*-b_N^*-l^*[b_W^*-b_N^*]$$

$$C_{ab,a}^*=[a_a^{*2}+b_a^{*2}]^{1/2}$$

$$a_a^*=C_{ab,a}^*\cos h_{ab}$$

$$b_a^*=C_{ab,a}^*\sin h_{ab}$$



SE460-4A, 1; cf1=0.90; nt=0.18; nx=1.0

Linear relation CIELAB (L^* , a^* , b^*) and *adapted (a)* CIELAB ($C_{ab,a}^*$, L^*)

System: R_LRS16_Z45F_3

CIELAB hue angles:

$h_{ab,d} = [38, 0, 44, 349, 44, 0]$

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

$$l^* = (L^* - L_N^*) / (L_W^* - L_N^*)$$

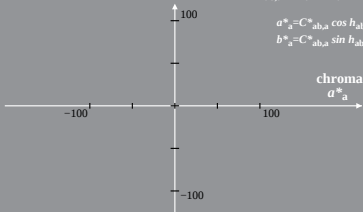
$$a_a^* = a^* - a_N^* - l^* [a_W^* - a_N^*]$$

$$b_a^* = b^* - b_N^* - l^* [b_W^* - b_N^*]$$

$$C_{ab,a}^* = [a_a^{*2} + b_a^{*2}]^{1/2}$$

$$a_a^* = C_{ab,a}^* \cos h_{ab}$$

$$b_a^* = C_{ab,a}^* \sin h_{ab}$$



SE460-4A, 2; cf1=0.90; nt=0.18; nx=1.0