

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

System: R_LRS25_Z46N_N0

CIELAB hue angles:

$h_{ab,d}=[32, 0, 44, 349, 44, 0]$

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

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

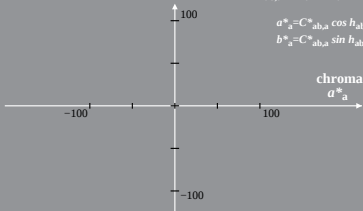
$$a_a^*=a^*-a_N^*-l^*[a_W^*-a_N^*]$$

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

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

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

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



SI470-4A, 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_LRS24_Z46F_N0

CIELAB hue angles:

$h_{ab,d}=[32, 0, 44, 349, 44, 0]$

$h_{ab,dx}=[32, 99, 153, 254, 303, 354]$

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

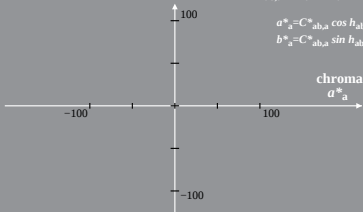
$$a_a^*=a^*-a_N^*-l^*[a_W^*-a_N^*]$$

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

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

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

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



SI470-4A, 2; cf1=0.90; nt=0.18; nx=1.0