

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

System: R_LRS18_Z45N_3

Hue: $h_{ab,Y00Gd}=96/360$; $h_{ab,B00Rd}=305/360$

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

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

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

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

Y00G_d

lightness

L^*

100

50

B00R_d

($C_{ab,a,M}^*$, L_M^*)

chroma

$C_{ab,a}^*$

100

50

0

50

100

SI460-2A, 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

Hue: $h_{ab,Y00Gd}=96/360$; $h_{ab,B00Rd}=305/360$

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

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

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

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

Y00G_d

