

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

System: JE93_OR520_95_D65_cmyn6*

$$l^*_{lab^*} = (L^* - L^*_N) / (L^*_W - L^*_N)$$

$$a^*_a = a^* - a^*_N - l^*_{lab^*} [a^*_W - a^*_N]$$

$$b^*_a = b^* - b^*_N - l^*_{lab^*} [b^*_W - b^*_N]$$

$$C^*_{ab,a} = [a^{*2}_a + b^{*2}_a]^{1/2}$$

CIELAB hue angles:

$$h_{ab,d} = [34, 92, 143, 226, 312, 337] \quad b^*_a$$

$$h_{ab,dx} = [34, 92, 143, 226, 311, 337]$$

