

Linear relation CIELAB (L^* , a^* , b^*) and *adapted (a)* CIELAB ($C^*_{ab,a}$, L^*)
 System: JE91_OR20_95_D65_cmyn6*

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

$$a^*_{\cdot a} = a^* - a^*_N - I^*_{lab^*} [a^*_W - a^*_N]$$

$$b^*_{\cdot a} = b^* - b^*_N - I^*_{lab^*} [b^*_W - b^*_N]$$

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

CIELAB hue angles:

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

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

