

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

System: GE99_FRS09_92_D65_00%_G0

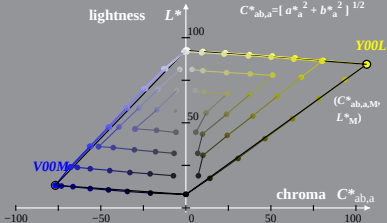
Hue: $h^*_{Y00L}=96/360$; $h^*_{V00M}=305/360$

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

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

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

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



Linear relation CIELAB (L^* , a^* , b^*) and
System: GE99 FRS09 92 D65 00% G1

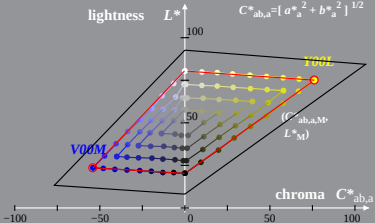
Hue: $h^*_{Y00L}=96/360$; $h^*_{Y00M}=305/360$

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

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

$$b^*_{\text{a}} = b^* - b^*_{\text{N}} - I^*_{\text{lab}^*} [b^*_{\text{W}} - b^*_{\text{N}}]$$

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



GE990-2A, 2; cf1=0.70; nt=0.18; nx=1.0