

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

System: GE84_HRS16_96_D65_00%_O0

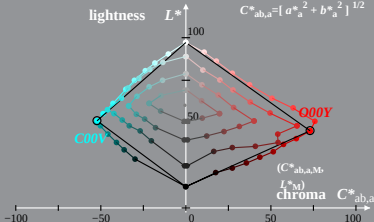
Hue: $h^*_{000Y}=38/360$; $h^*_{C00V}=236/360$

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

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

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

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



GE840-1A, 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: GE84_HRS16_96_D65_00%_O1

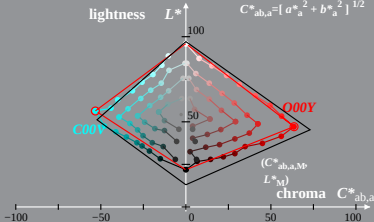
Hue: $h^*_{000Y}=38/360$; $h^*_{C00V}=236/360$

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

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

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

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



GE840-1A, 2; cf1=0.90; nt=0.18; nx=1.0

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

System: GE84_HRS16_96_D65_25%_O0

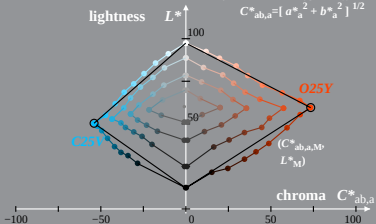
Hue: $h^*_{O25Y}=52/360$; $h^*_{C25V}=253/360$

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

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

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

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



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

System: GE84_HRS16_96_D65_25%_O1

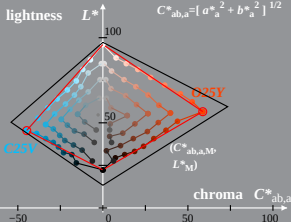
Hue: $h^*_{O25Y}=52/360$; $h^*_{C25V}=253/360$

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

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

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

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



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

System: GE84_HRS16_96_D65_50%_O0

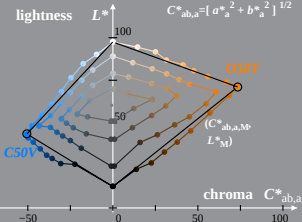
Hue: $h^*_{O50Y}=67/360$; $h^*_{C50V}=270/360$

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

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

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

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



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

System: GE84_HRS16_96_D65_50%_O1

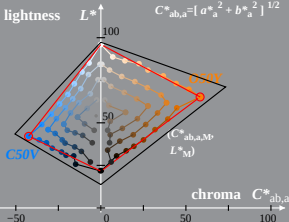
Hue: $h^*_{O50Y}=67/360$; $h^*_{C50V}=270/360$

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

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

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

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



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

System: GE84_HRS16_96_D65_75%_O0

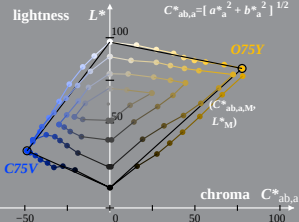
Hue: $h^*_{O75Y}=81/360$; $h^*_{C75V}=287/360$

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

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

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

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



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

System: GE84_HRS16_96_D65_75%_O1

Hue: $h^*_{O75Y}=81/360$; $h^*_{C75V}=287/360$

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

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

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

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

