

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

System: ORS18

Hue: $h^*_G = 162/360$; $h^*_{M_{br}} = 329/360$

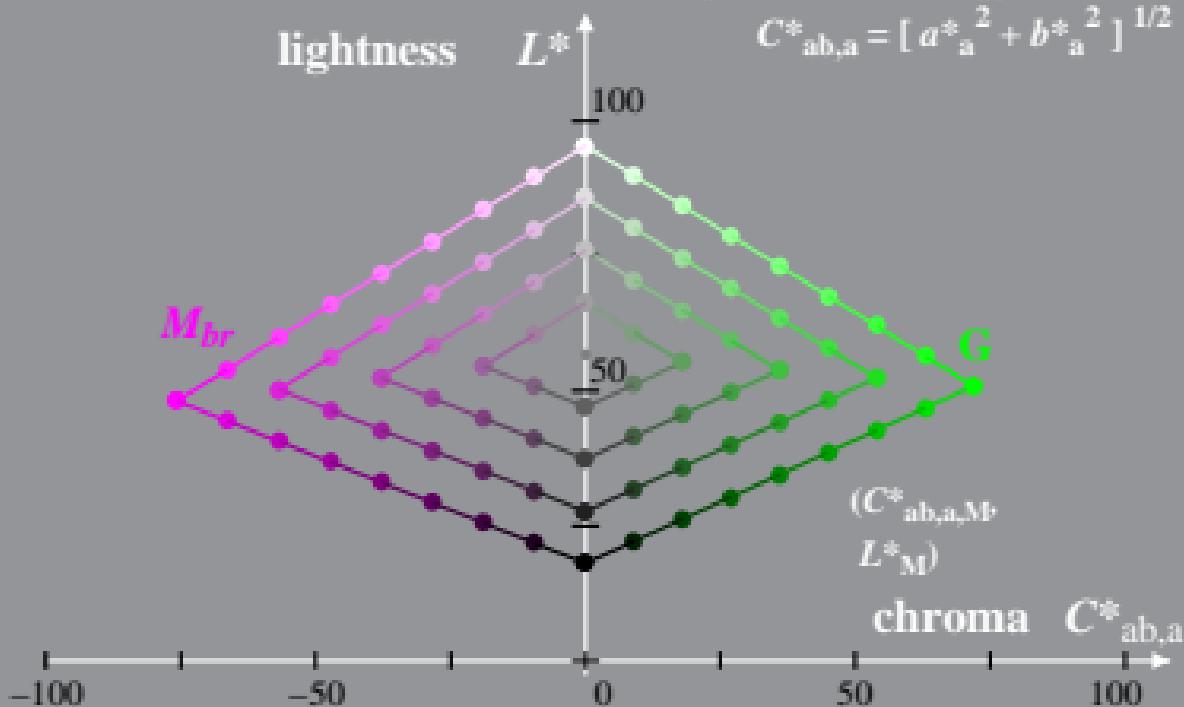
$$l^*_{lab*} = (L^* - L^*_{N}) / (L^*_{W} - L^*_{N})$$

$$a^*_{ab} = a^* - a^*_{N} - l^*_{lab*} [a^*_{W} - a^*_{N}]$$

$$b^*_{ab} = b^* - b^*_{N} - l^*_{lab*} [b^*_{W} - b^*_{N}]$$

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

lightness L^*



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

System: TLS00

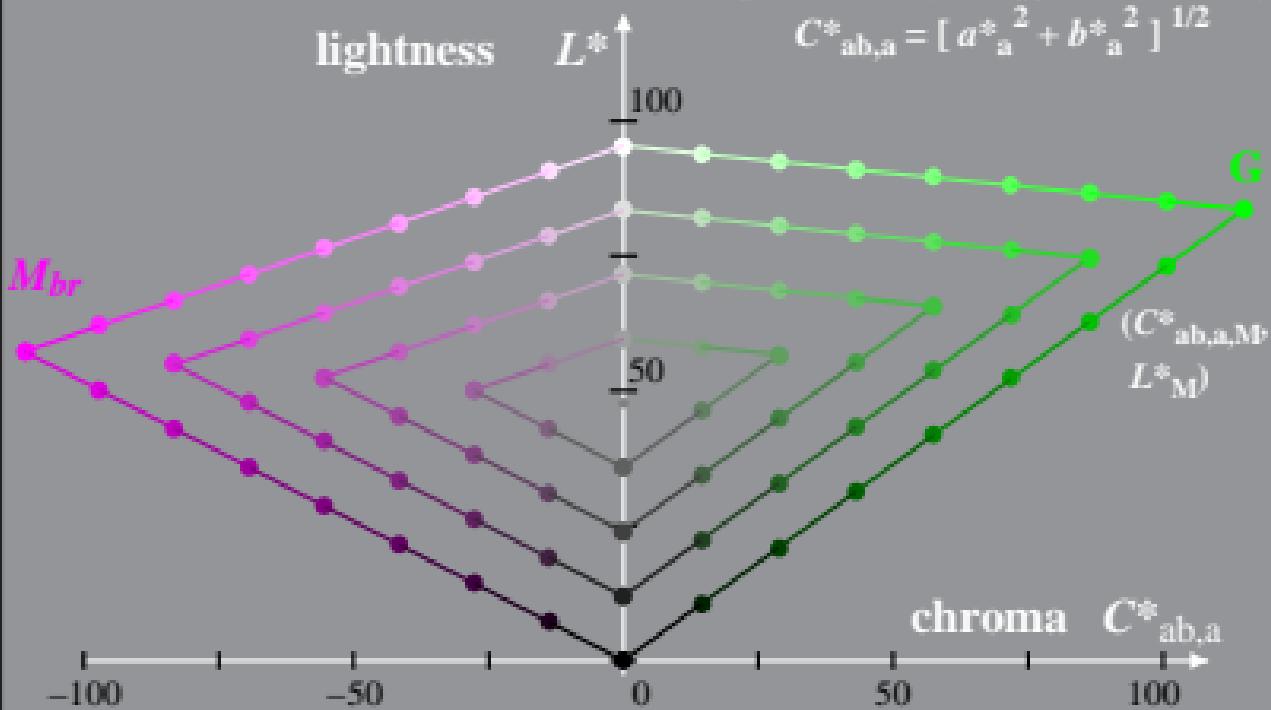
Hue: $h^*_G = 162/360$; $h^*_{M_{br}} = 329/360$

$$l^*_{lab*} = (L^* - L^*_{N}) / (L^*_{W} - L^*_{N})$$

$$a^*_{a} = a^* - a^*_{N} - l^*_{lab*} [a^*_{W} - a^*_{N}]$$

$$b^*_{a} = b^* - b^*_{N} - l^*_{lab*} [b^*_{W} - b^*_{N}]$$

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



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

System: FRS06

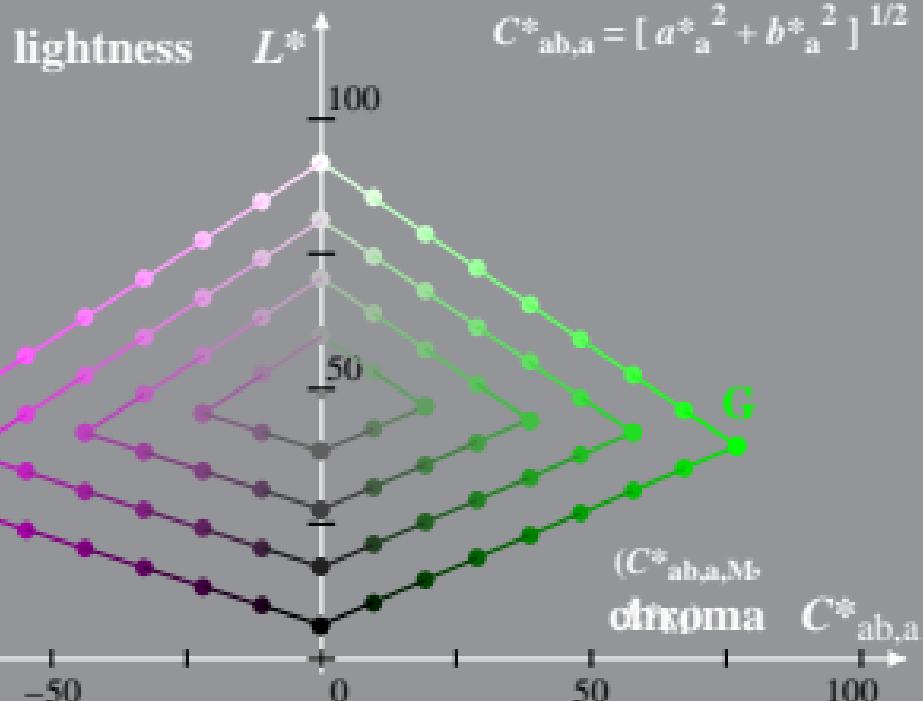
Hue: $h^*_G = 162/360$; $h^*_{M_{br}} = 329/360$

$$l^*_{lab^*} = (L^* - L^*_{N}) / (L^*_{W} - L^*_{N})$$

$$a^*_{a} = a^* - a^*_{N} - l^*_{lab^*} [a^*_{W} - a^*_{N}]$$

$$b^*_{a} = b^* - b^*_{N} - l^*_{lab^*} [b^*_{W} - b^*_{N}]$$

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



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

System: TSL18

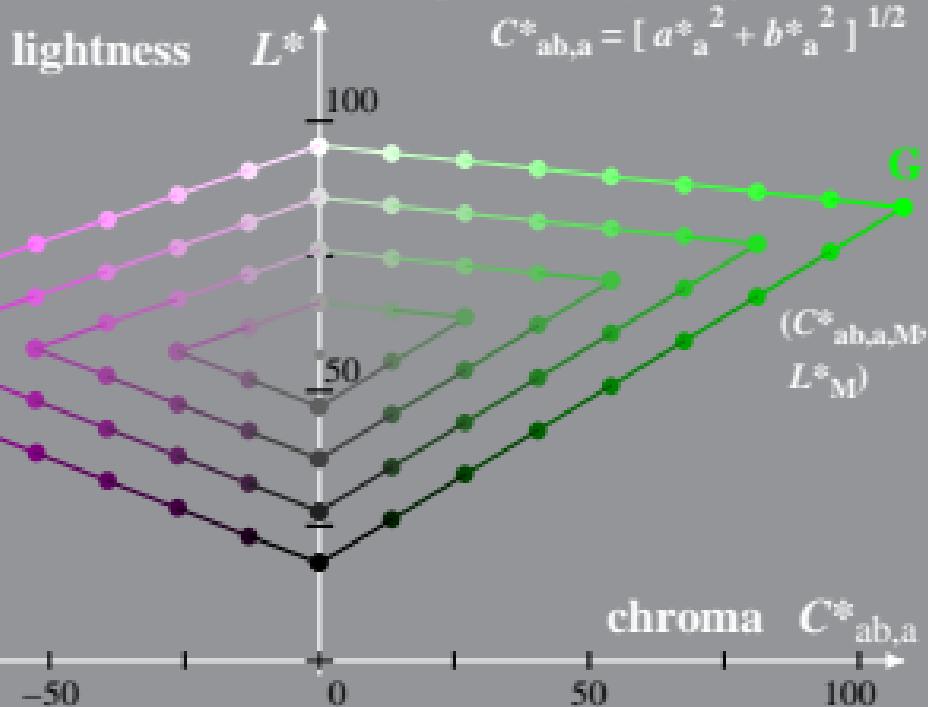
Hue: $h^*_G = 162/360$; $h^*_{M_{br}} = 329/360$

$$l^*_{lab*} = (L^* - L^*_{N}) / (L^*_{W} - L^*_{N})$$

$$a^*_{a} = a^* - a^*_{N} - l^*_{lab*} [a^*_{W} - a^*_{N}]$$

$$b^*_{a} = b^* - b^*_{N} - l^*_{lab*} [b^*_{W} - b^*_{N}]$$

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



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

System: NLS00

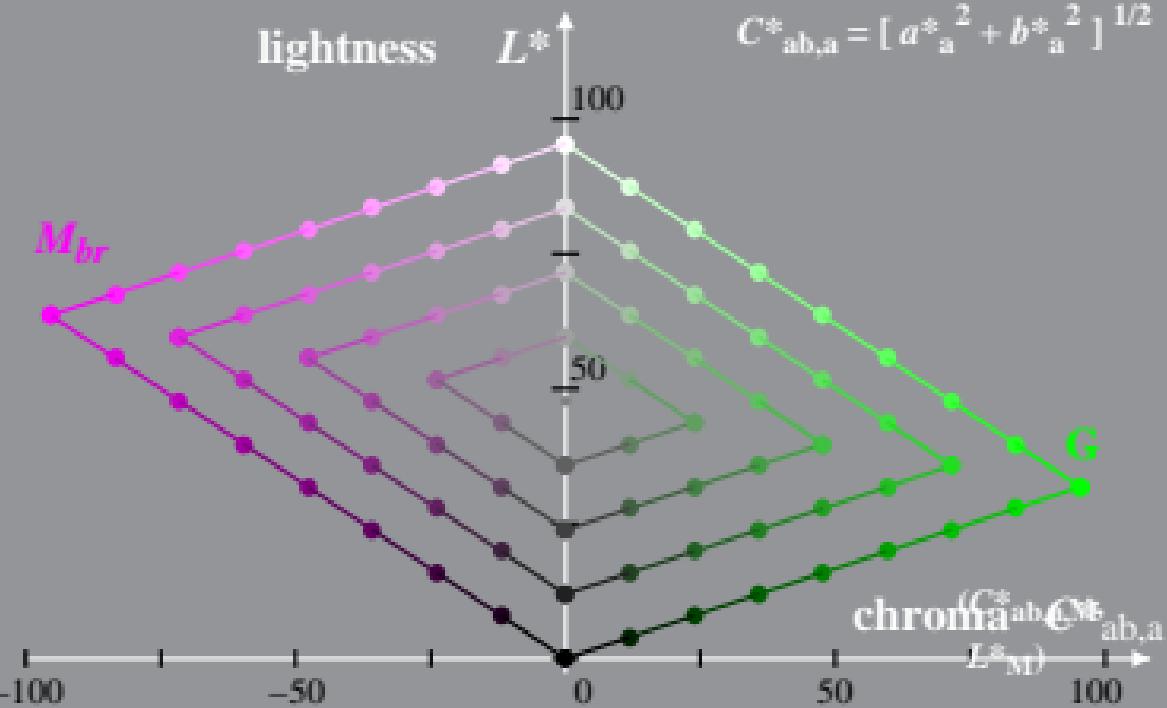
Hue: $h^*_G = 162/360$; $h^*_{M_{br}} = 329/360$

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

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

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

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



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

System: NLS18

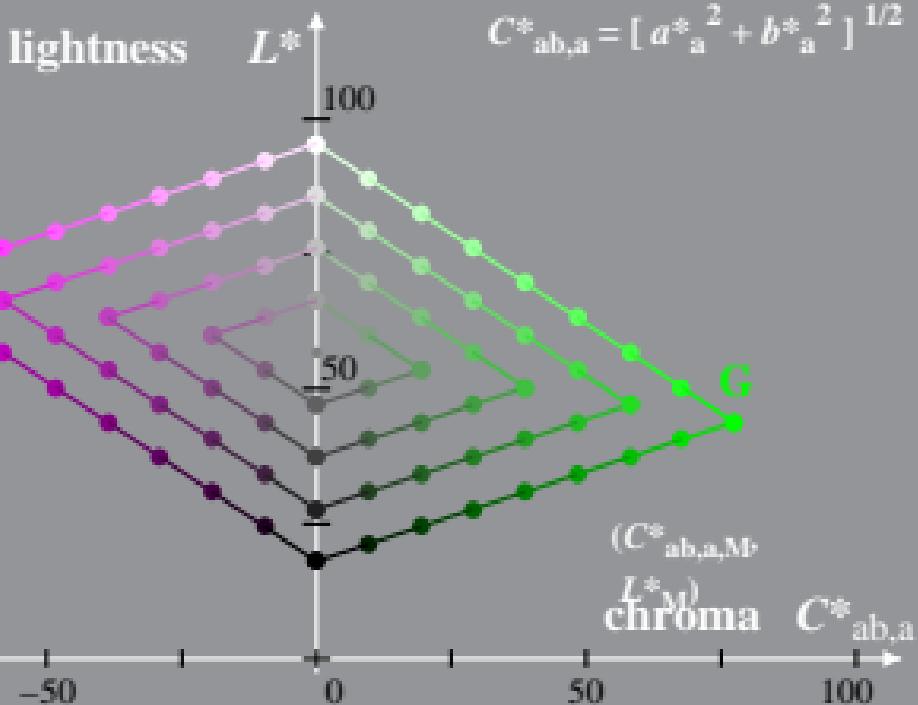
Hue: $h^*_G = 162/360$; $h^*_{M_{br}} = 329/360$

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

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

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

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



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

System: NRS11

Hue: $h^*_G = 162/360$; $h^*_{M_{br}} = 329/360$

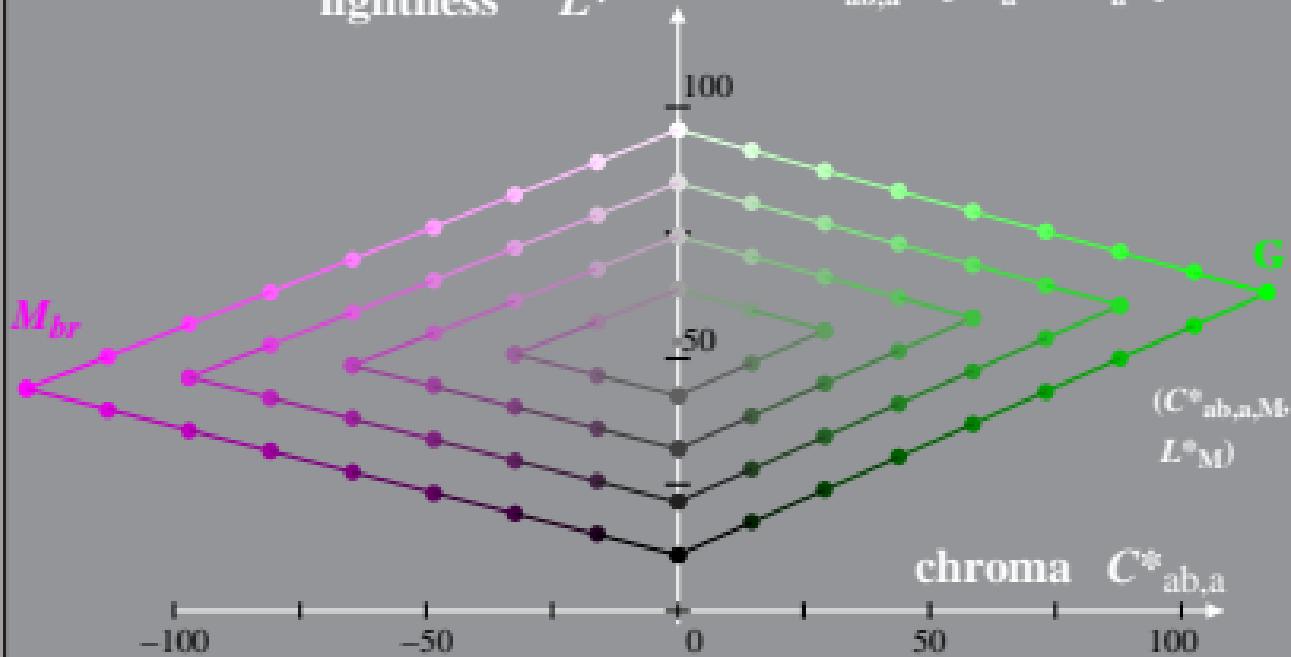
$$l^*_{lab^*} = (L^* - L^*_N) / (L^*_W - L^*_N)$$

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

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

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

lightness L^*



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

System: TLS70

Hue: $h^*_G = 162/360$; $h^*_{M_{br}} = 329/360$

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

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

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

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

