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

System: HE80_HRS16_96_D65_00%_O0

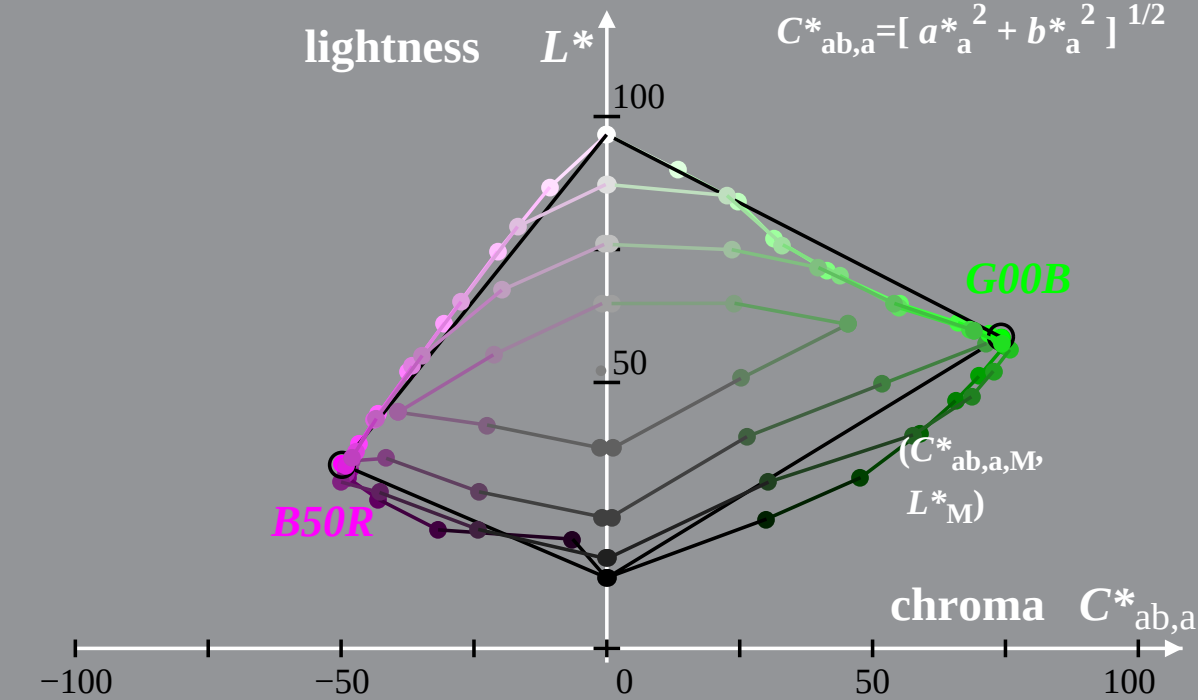
Hue: h^*_{G00B}=162/360; $h^*_{B50R_{br}}$=329/360

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

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

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

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



HE800−3A, 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: HE80_HRS16_96_D65_00%_O1

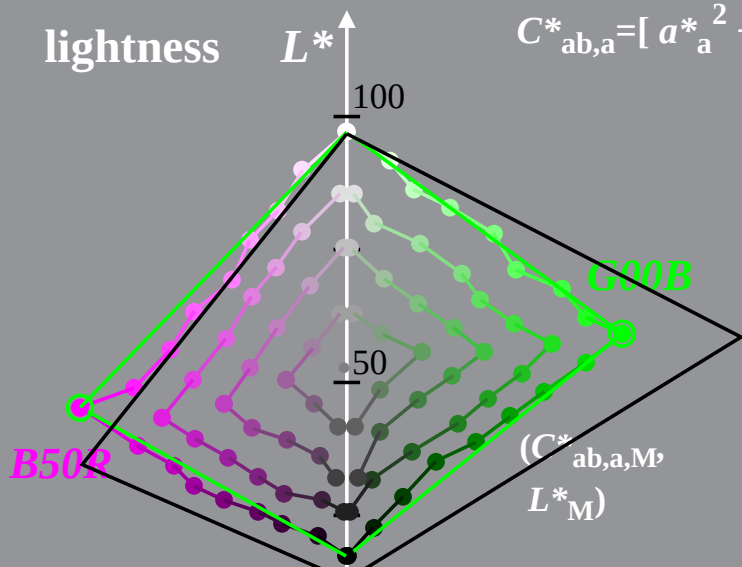
Hue: h^*_{G00B}=162/360; $h^*_{B50R_{br}}$=329/360

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

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

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

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



HE800−3A, 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: HE80_HRS16_96_D65_25%_O0

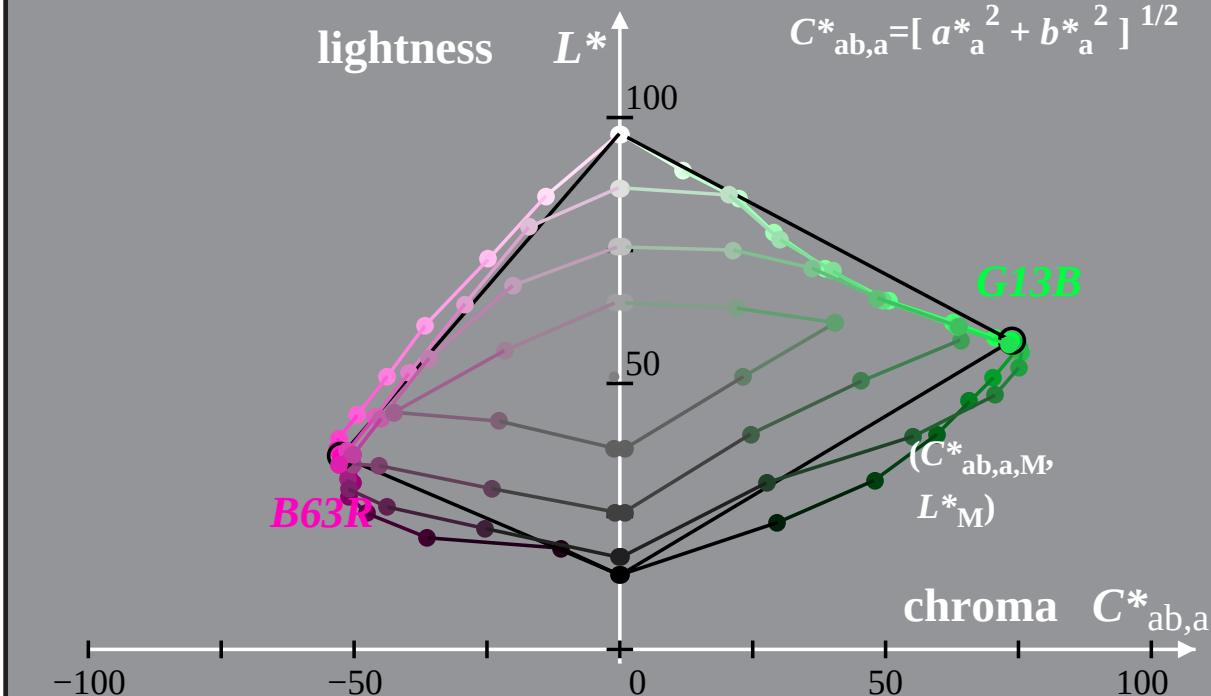
Hue: h^*_{G13B}=175/360; $h^*_{B63R_{br}}$=343/360

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

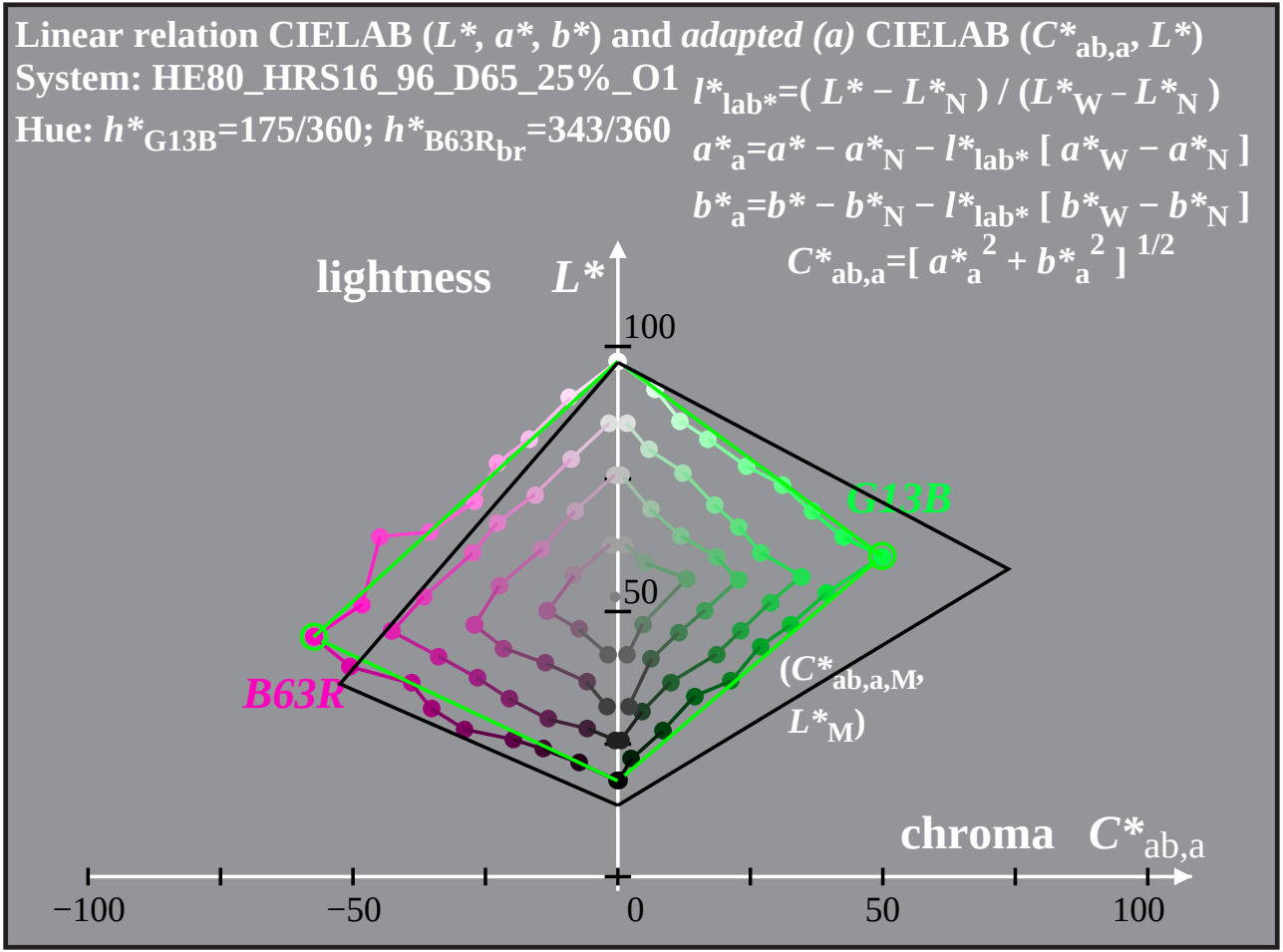
$$a^*_a=a^* - a^*_N - l^*_{lab^*} [a^*_W - a^*_N]$$

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

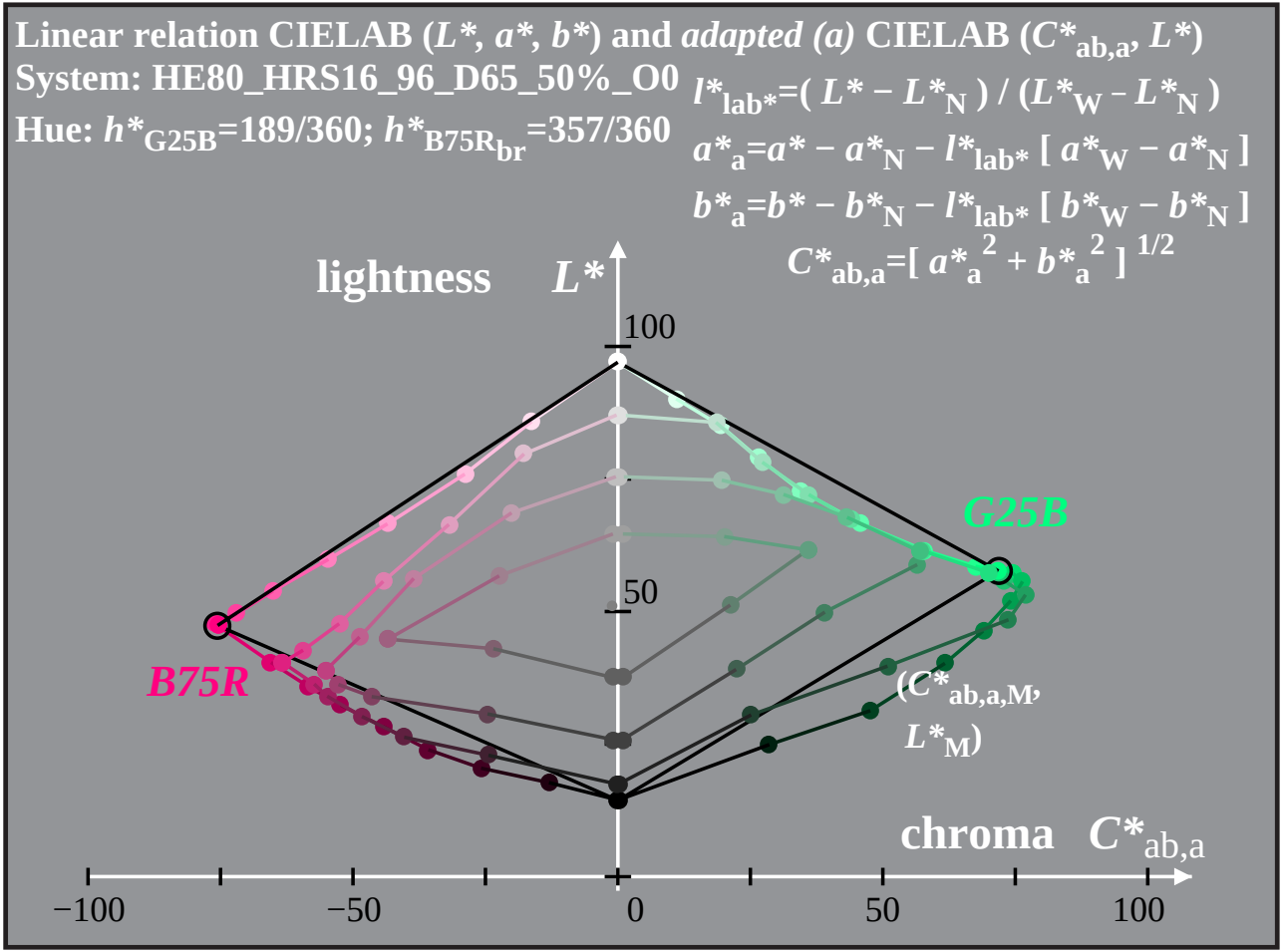
$$C^*_{ab,a}=[a^{*2}_a + b^{*2}_a]^{1/2}$$



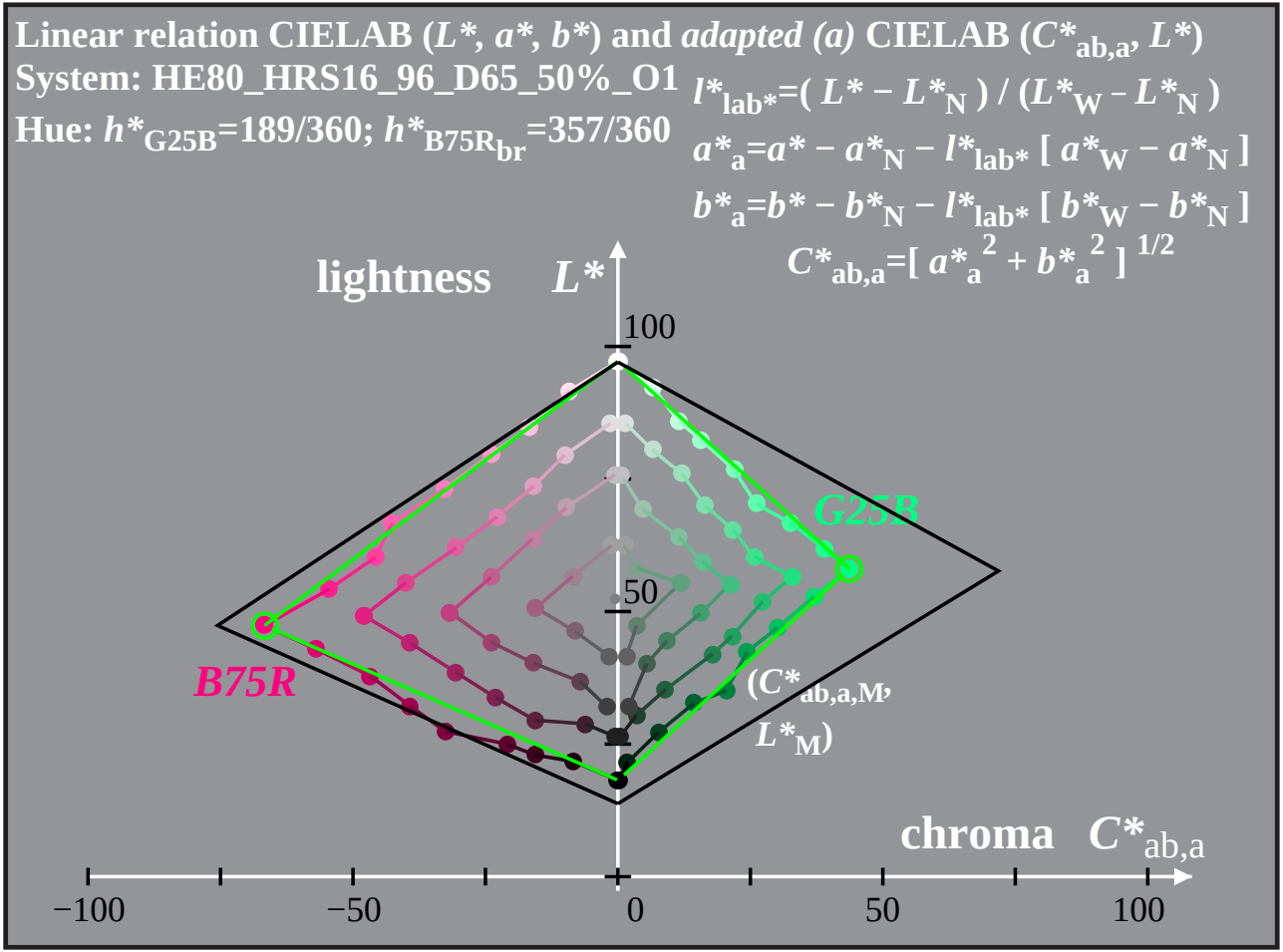
HE800−3A, 3; cf1=0.90; nt=0.18; nx=1.0



HE800−3A, 4; cf1=0.90; nt=0.18; nx=1.0



HE800−3A, 5; cf1=0.90; nt=0.18; nx=1.0



HE800−3A, 6; cf1=0.90; nt=0.18; nx=1.0

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

System: HE80_HRS16_96_D65_75%_O0

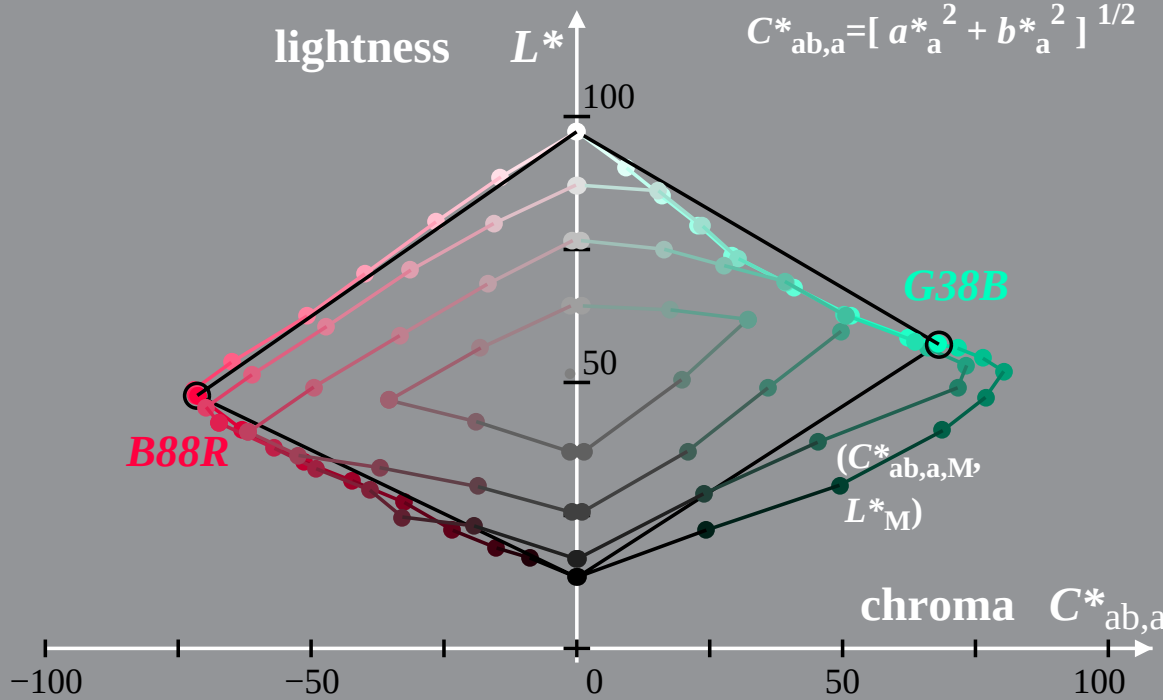
Hue: h^*_{G38B}=203/360; $h^*_{B88R_{br}}$=371/360

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

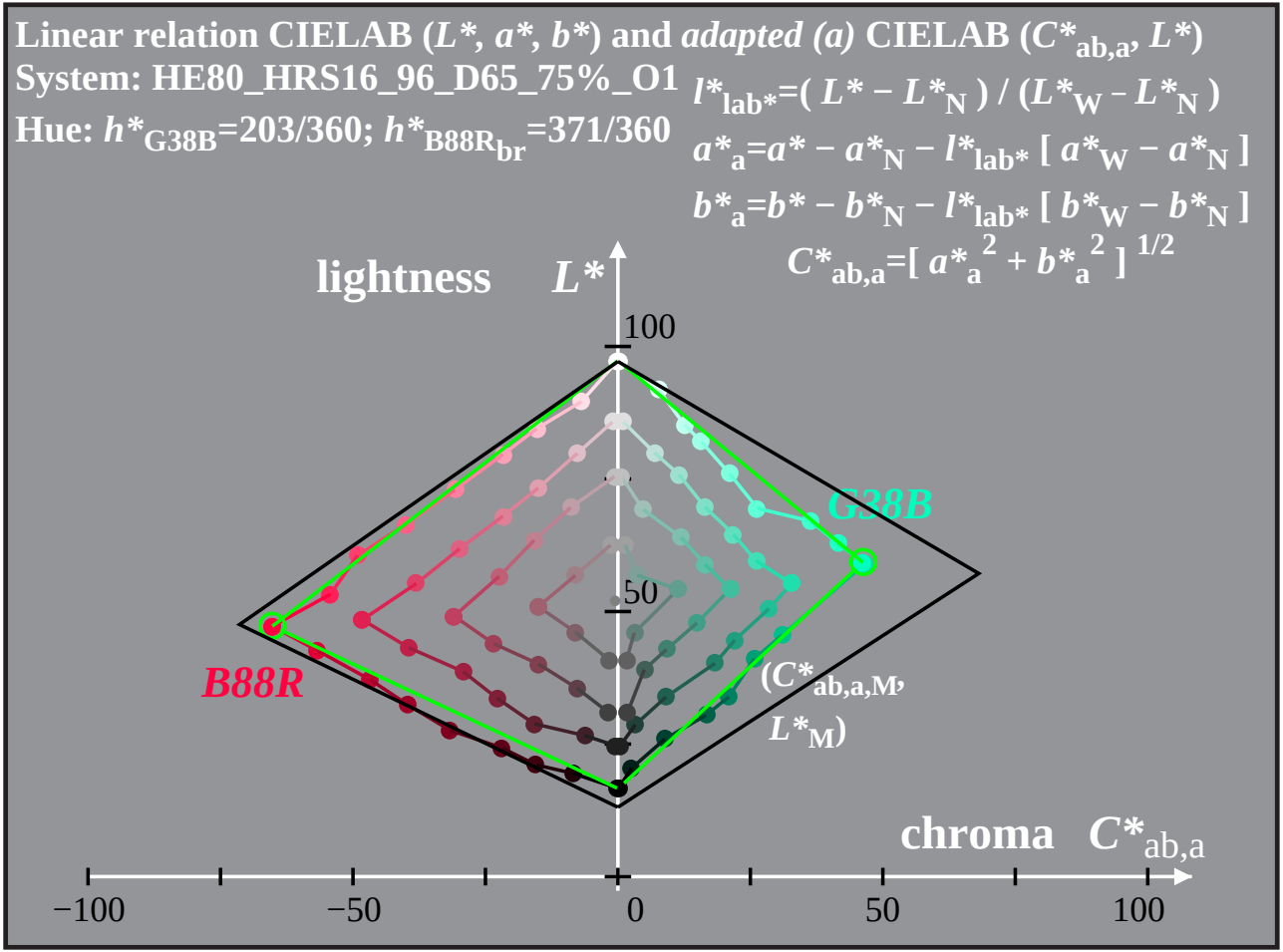
$$a^*_a = a^* - a^*_N - l^*_{lab^*} [a^*_W - a^*_N]$$

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

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



HE800−3A, 7; cf1=0.90; nt=0.18; nx=1.0



HE800−3A, 8; cf1=0.90; nt=0.18; nx=1.0