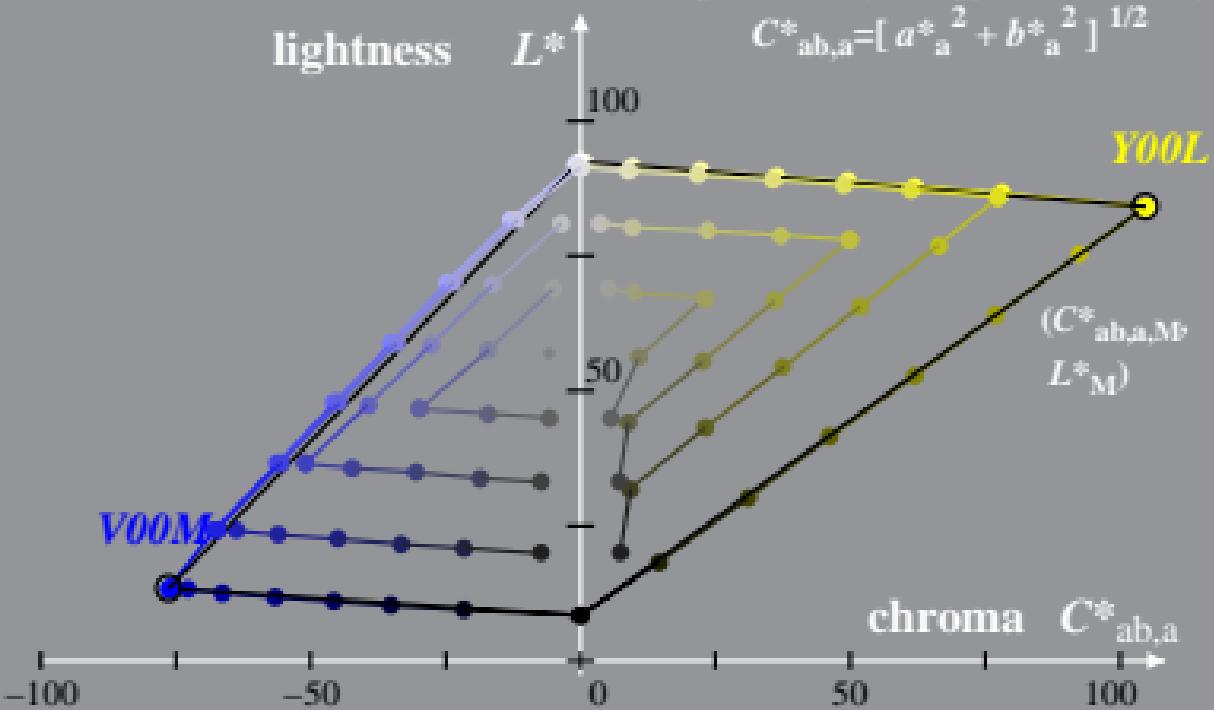
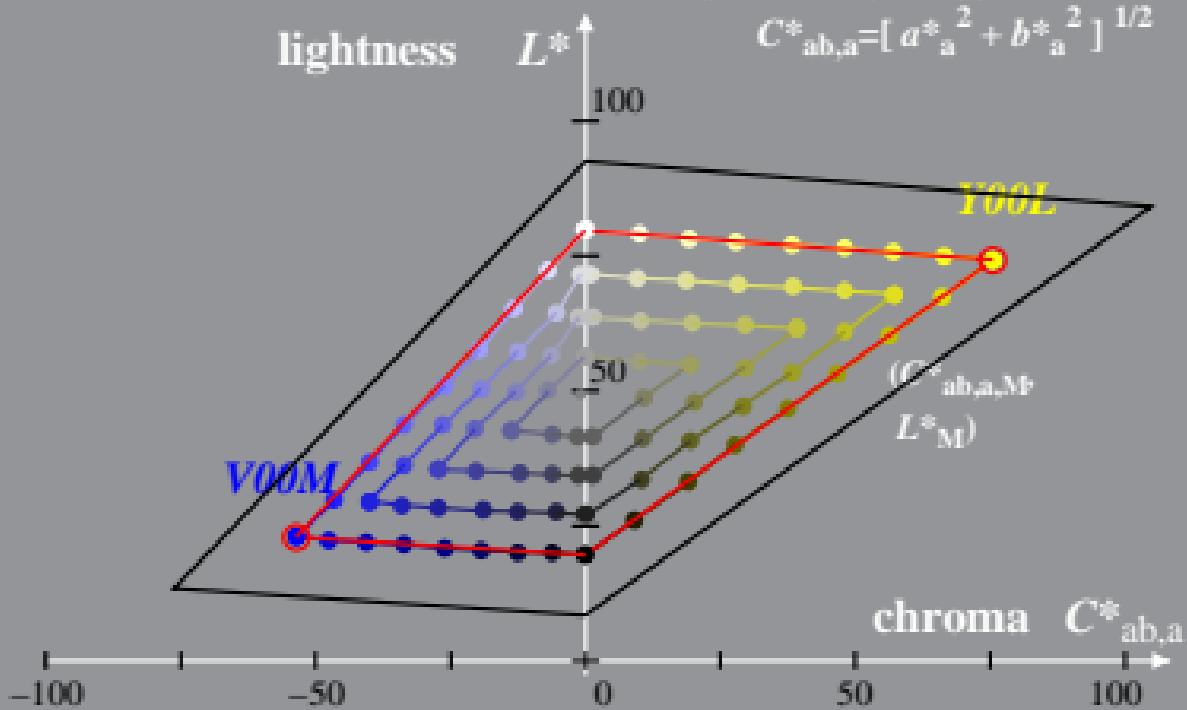


Linear relation CIELAB ( $L^*$ ,  $a^*$ ,  $b^*$ ) and adapted (a) CIELAB ( $C^*_{ab,a}$ ,  $L^*$ )  
 System: GE89\_FRS09\_92\_D65\_00%\_O0     $l^*_{lab} = (L^* - L^*_N) / (L^*_W - L^*_N)$   
 Hue:  $h^*_{Y00L} = 96/360$ ;  $h^*_{V00M} = 305/360$      $a^*_{ab} = a^* - a^*_N - l^*_{lab} [a^*_W - a^*_N]$   
 $b^*_{ab} = b^* - b^*_N - l^*_{lab} [b^*_W - b^*_N]$   
 $C^*_{ab,a} = [a^*_{ab}^2 + b^*_{ab}^2]^{1/2}$



Linear relation CIELAB ( $L^*$ ,  $a^*$ ,  $b^*$ ) and adapted (a) CIELAB ( $C^*_{ab,a}$ ,  $L^*$ )  
 System: GE89\_FRS09\_92\_D65\_00%\_O1     $l^*_{lab} = (L^* - L^*_N) / (L^*_W - L^*_N)$   
 Hue:  $h^*_{Y00L} = 96/360$ ;  $h^*_{V00M} = 305/360$      $a^*_{ab} = a^* - a^*_N - l^*_{lab} [a^*_W - a^*_N]$   
 $b^*_{ab} = b^* - b^*_N - l^*_{lab} [b^*_W - b^*_N]$

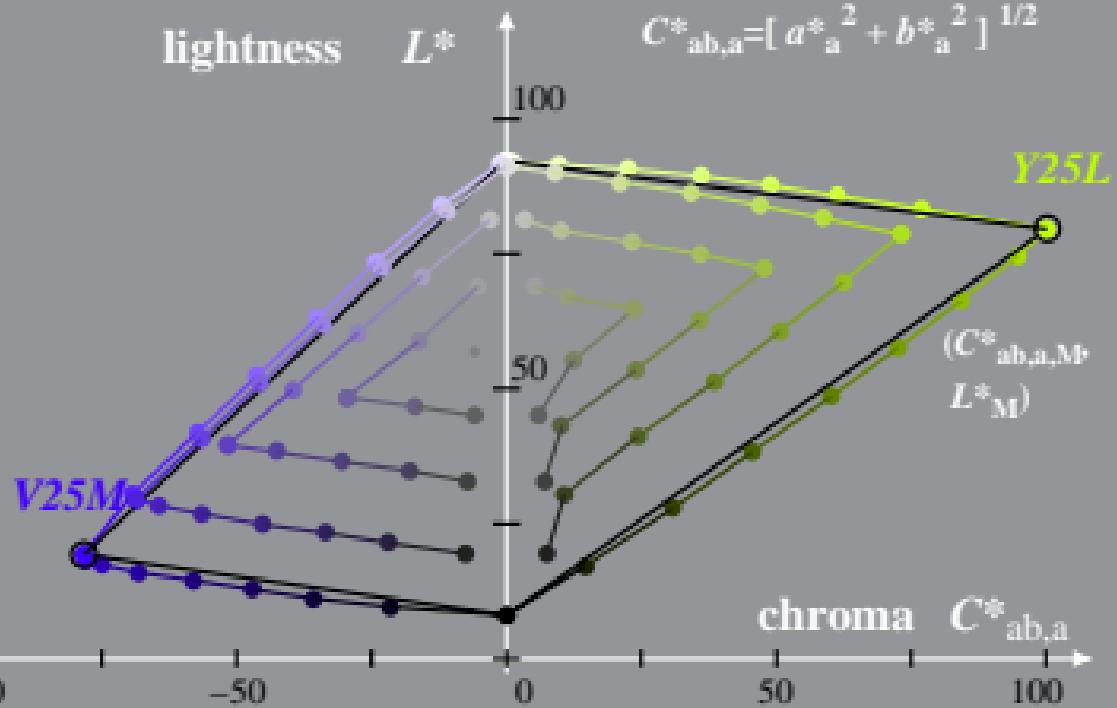


GE890-2A, 2; cf1=0.70; nt=0.18; nx=1.0

Linear relation CIELAB ( $L^*, a^*, b^*$ ) and adapted (a) CIELAB ( $C_{ab,a}^*, L^*$ )  
 System: GE89\_FRS09\_92\_D65\_25%\_O0  $I^*_{lab} = (L^* - L_N^*) / (L_W^* - L_N^*)$   
 Hue:  $h^*_{Y2SL} = 109/360$ ;  $h^*_{V25M} = 317/360$   $a_{ab,a}^* = a^* - a_N^* - I^*_{ab,a} [a_W^* - a_N^*]$

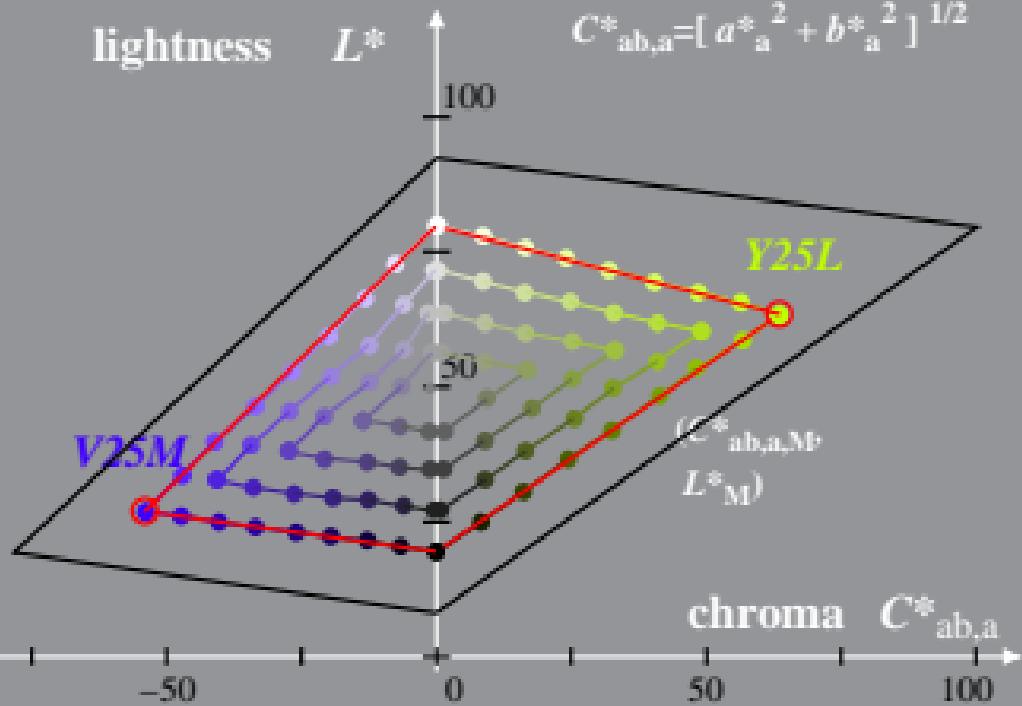
$$a_{\text{a}}^* = a^* - a_N^* - l_{\text{lab}}^* [a_W^* - a_N^*]$$

$$b^*_{-} = b^* - b^*_{+N} = [b^*]_{\text{orb}} \cdot [b^*_{+W} - b^*_{+N}]$$



GE890-2A, 3;  $cfl=0.70$ ;  $\mu=0.18$ ;  $n_3=1.0$

Linear relation CIELAB ( $L^*$ ,  $a^*$ ,  $b^*$ ) and adapted (a) CIELAB ( $C^*_{ab,a}$ ,  $L^*$ )  
 System: GE89\_FRS09\_92\_D65\_25%\_O1     $l^*_{lab} = (L^* - L^*_N) / (L^*_W - L^*_N)$   
 Hue:  $h^*_{Y25L} = 109/360$ ;  $h^*_{V25M} = 317/360$      $a^*_{a} = a^* - a^*_N - l^*_{lab} [a^*_W - a^*_N]$   
 $b^*_{a} = b^* - b^*_N - l^*_{lab} [b^*_W - b^*_N]$   
 $C^*_{ab,a} = [a^*_{a}^2 + b^*_{a}^2]^{1/2}$



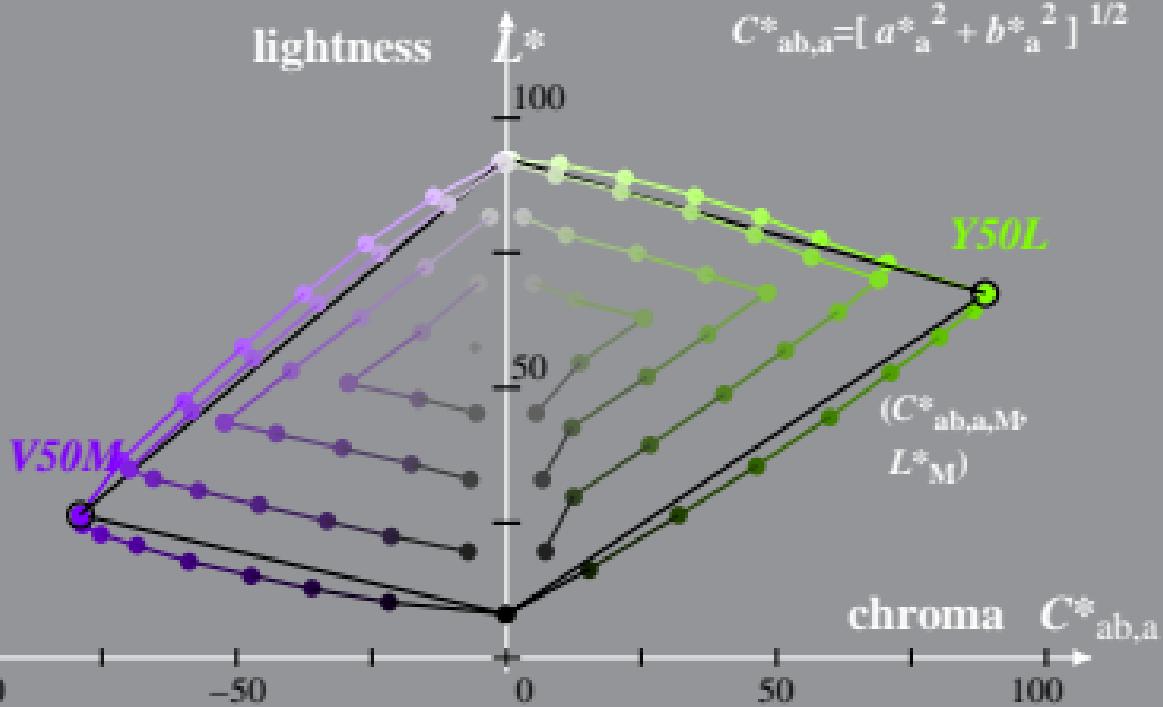
Linear relation CIELAB ( $L^*, a^*, b^*$ ) and adapted (a) CIELAB ( $C_{ab,a}^*, L^*$ )  
 System: GE89\_FRS09\_92\_D65\_50%\_O0  $I^*_{lab,a} = (L^* - L^*_N) / (L^*_W - L^*_N)$   
 Hue:  $h^*_{VS01} = 123/360$ ;  $h^*_{VS01M} = 329/360$        $a^* = a^*$        $a^* = 15$        $L^* = L^*$        $c^* = c^*$

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

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

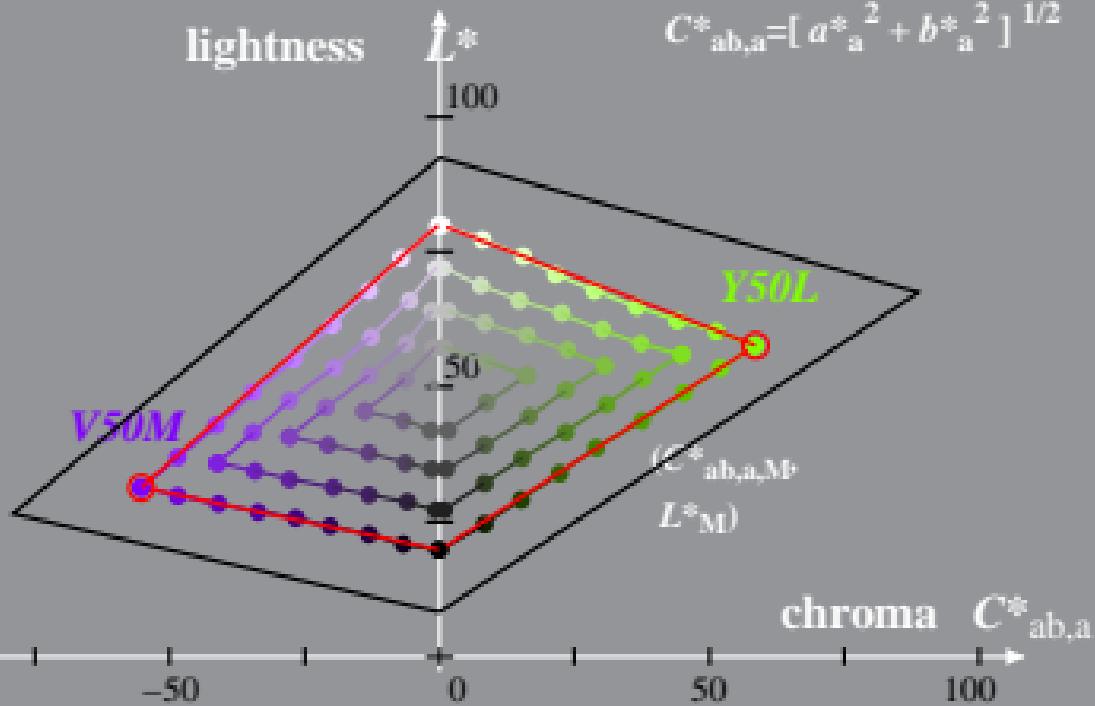
$$h^*_{-} = h^* - h^*_{\infty} = f^*_{-} \circ f^*_{+} [h^*_{\infty} - h^*_{\infty}]$$

$$C^*_{ab,2} = [a^*_{-3}{}^2 + b^*_{-3}{}^2]^{1/2}$$



GE890-2A, 5; cf1=0.70; nt=0.18; nx=1.0

Linear relation CIELAB ( $L^*$ ,  $a^*$ ,  $b^*$ ) and adapted (a) CIELAB ( $C^*_{ab,a}$ ,  $L^*$ )  
 System: GE89\_FRS09\_92\_D65\_50%\_O1     $l^*_{lab} = (L^* - L^*_N) / (L^*_W - L^*_N)$   
 Hue:  $h^*_{Y50L} = 123/360$ ;  $h^*_{V50M} = 329/360$      $a^*_{a} = a^* - a^*_N - l^*_{lab} [a^*_W - a^*_N]$   
 $b^*_{a} = b^* - b^*_N - l^*_{lab} [b^*_W - b^*_N]$   
 $C^*_{ab,a} = [a^*_{a}^2 + b^*_{a}^2]^{1/2}$



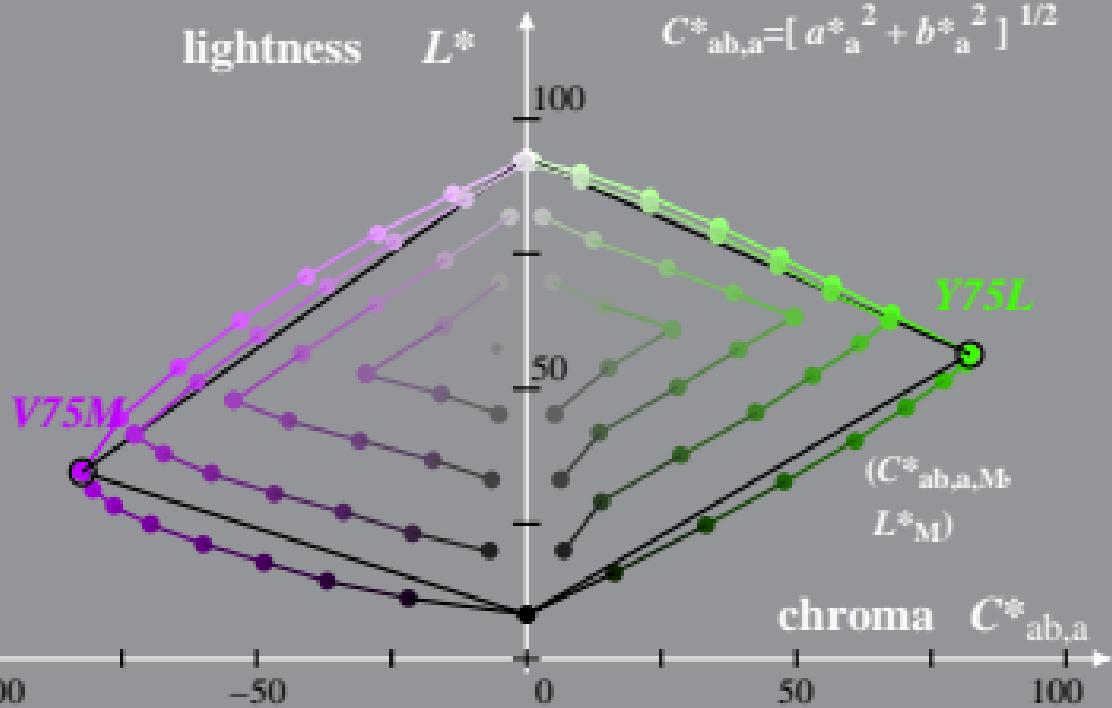
GE890-2A, 6; cf1=0.70; nt=0.18; nx=1.0

Linear relation CIELAB ( $L^*, a^*, b^*$ ) and adapted (a) CIELAB ( $C_{ab,a}^*, L^*$ )  
 System: GE89\_FRS09\_92\_D65\_75%\_O0  $I^*_{lab,a} = (L^* - L^*_N) / (L^*_W - L^*_N)$   
 Hue:  $h^*_{V75I} = 137/360$ ;  $h^*_{V75M} = 341/360$

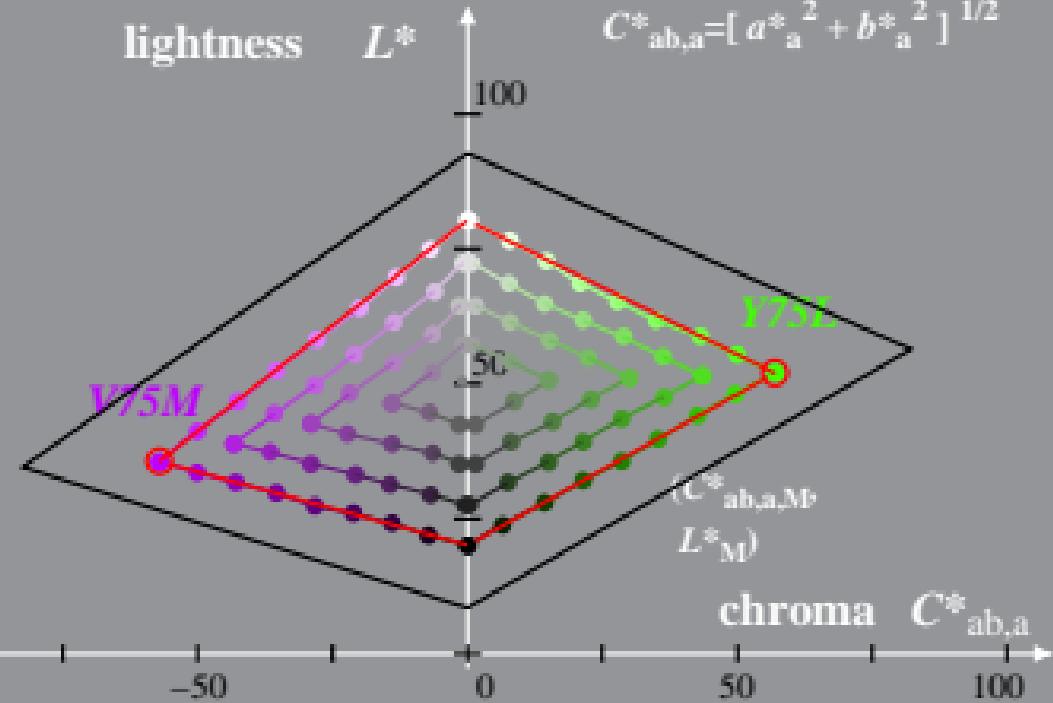
$$I^*_{\text{lab}} = (L^* - L^*_N) / (L^*_W - L^*_N)$$

$$a^*_z = a^* - a^*_N - l^*|_{\text{lab}} \cdot [a^*_W - a^*_N]$$

$$b^*_{-} = b^* - b^*_{+N} = f^*_{-} \circ b^* \left[ b^*_{+W} - b^*_{+N} \right]$$



Linear relation CIELAB ( $L^*, a^*, b^*$ ) and adapted (a) CIELAB ( $C_{ab,a}^*, L^*$ )  
 System: GE89\_FRS09\_92\_D65\_75%\_O1  $l^*_{lab^*} = (L^* - L_N^*) / (L_W^* - L_N^*)$   
 Hue:  $h^*_{Y75L} = 137/360$ ;  $h^*_{V75M} = 341/360$   $a_{ab,a}^* = a^* - a_N^* - l^*_{lab^*} [a_W^* - a_N^*]$   
 $b_{ab,a}^* = b^* - b_N^* - l^*_{lab^*} [b_W^* - b_N^*]$



GE890-2A, 8; cf1=0.70; nt=0.18; nx=1.0