

Linear relation CIELAB ( $L^*$ ,  $a^*$ ,  $b^*$ ) and adapted (a) CIELAB ( $C^*_{ab,a}$ ,  $L^*$ )  
 LE46\_LCD projector\_1 0%\_Fadin

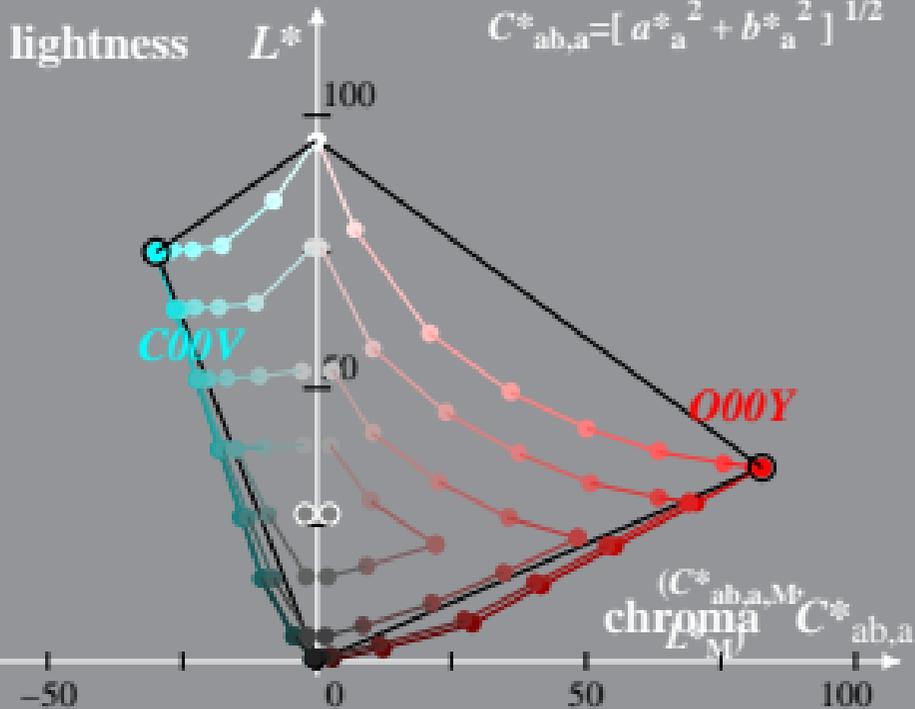
Hue:  $h^*_{000Y}=38/360$ ;  $h^*_{C00V}=236/360$

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

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

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

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



LE460-1A, 0%\_Fadin 0

Linear relation CIELAB ( $L^*$ ,  $a^*$ ,  $b^*$ ) and adapted (a) CIELAB ( $C^*_{ab,a}$ ,  $L^*$ )  
 LE46\_LCD projector\_1 0%\_Faet

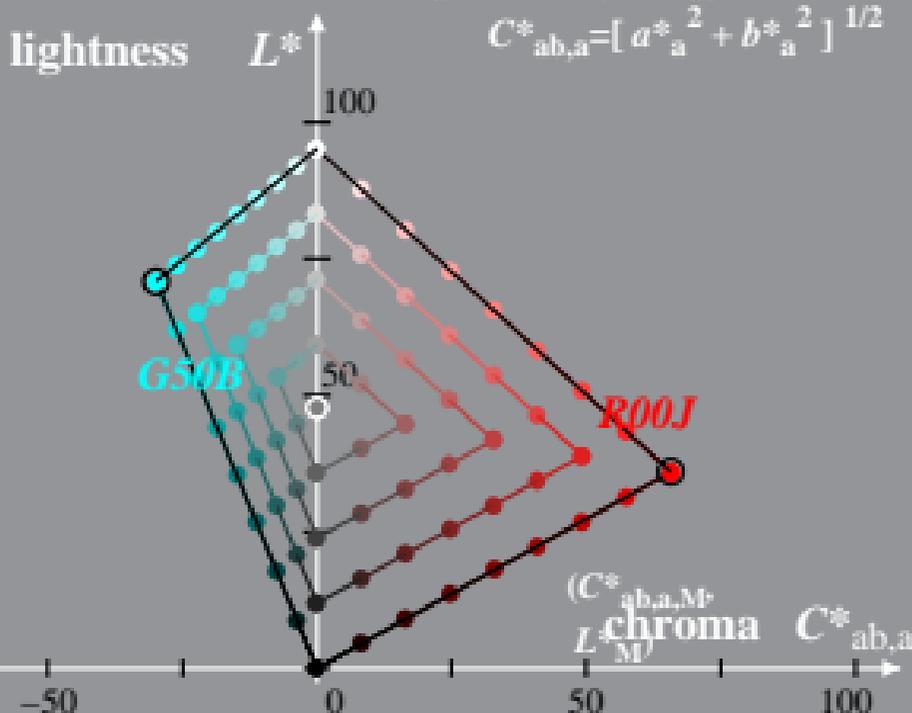
Hue:  $h^*_{R00J}=26/360$ ;  $h^*_{G50B}=217/360$

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

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

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

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



Linear relation CIELAB ( $L^*$ ,  $a^*$ ,  $b^*$ ) and adapted (a) CIELAB ( $C^*_{ab,a}$ ,  $L^*$ )  
 LE46\_LCD projector\_1 0,6%\_Fadin

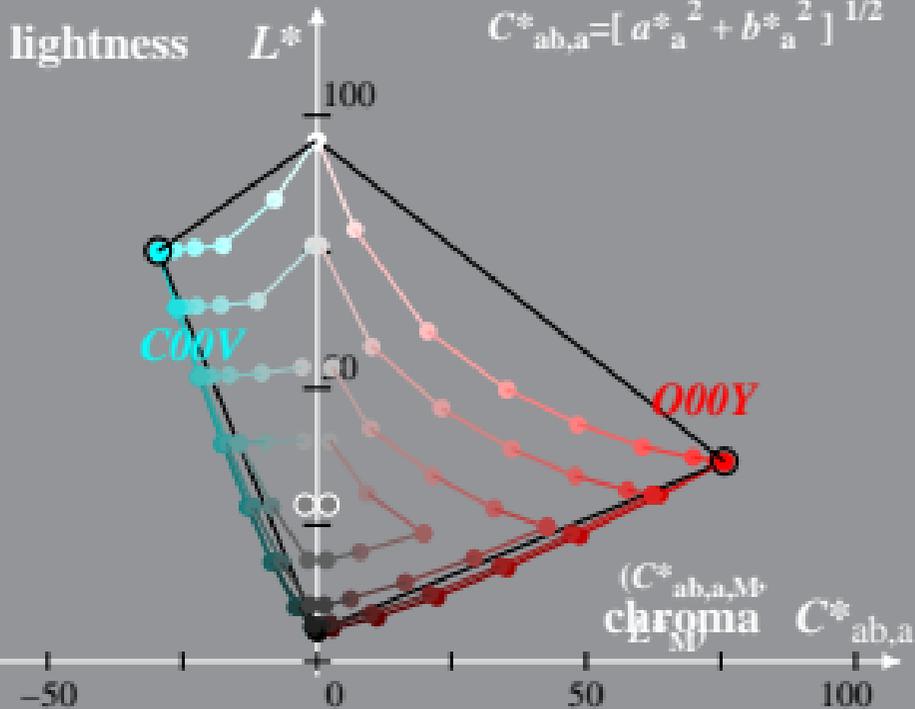
Hue:  $h^*_{000Y}=38/360$ ;  $h^*_{C00V}=236/360$

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

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

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

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



LE460-1A, 0,6%\_Fadin 0

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

LE46\_LCD projector\_1 0,6%\_Facit

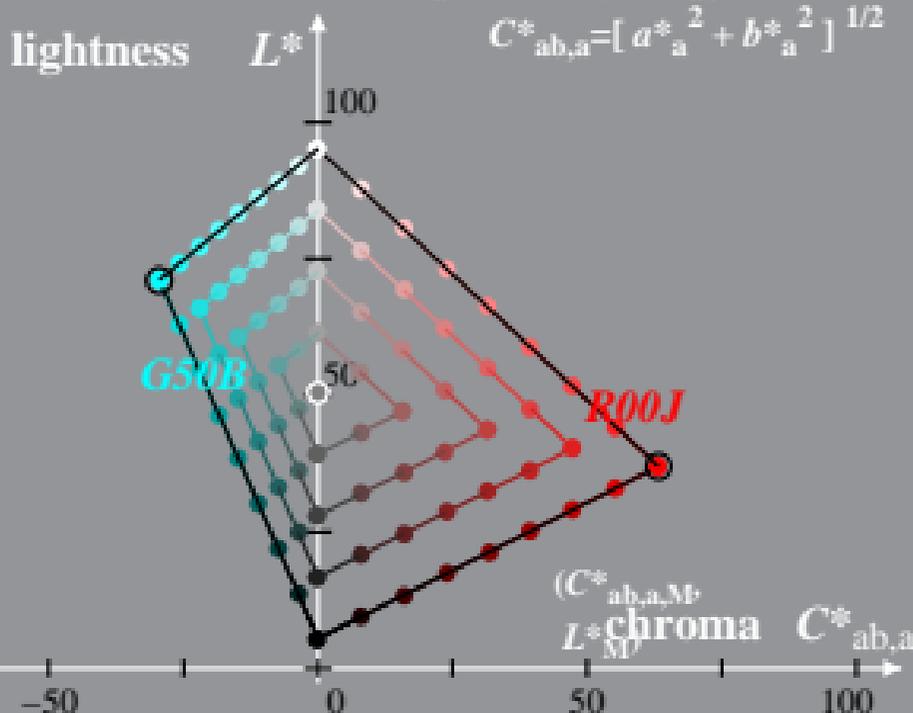
Hue:  $h^*_{R00J}=26/360$ ;  $h^*_{G50B}=217/360$

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

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

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

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



Linear relation CIELAB ( $L^*$ ,  $a^*$ ,  $b^*$ ) and adapted (a) CIELAB ( $C^*_{ab,a}$ ,  $L^*$ )  
 LE46\_LCD projector\_1 1,2%\_Fadin

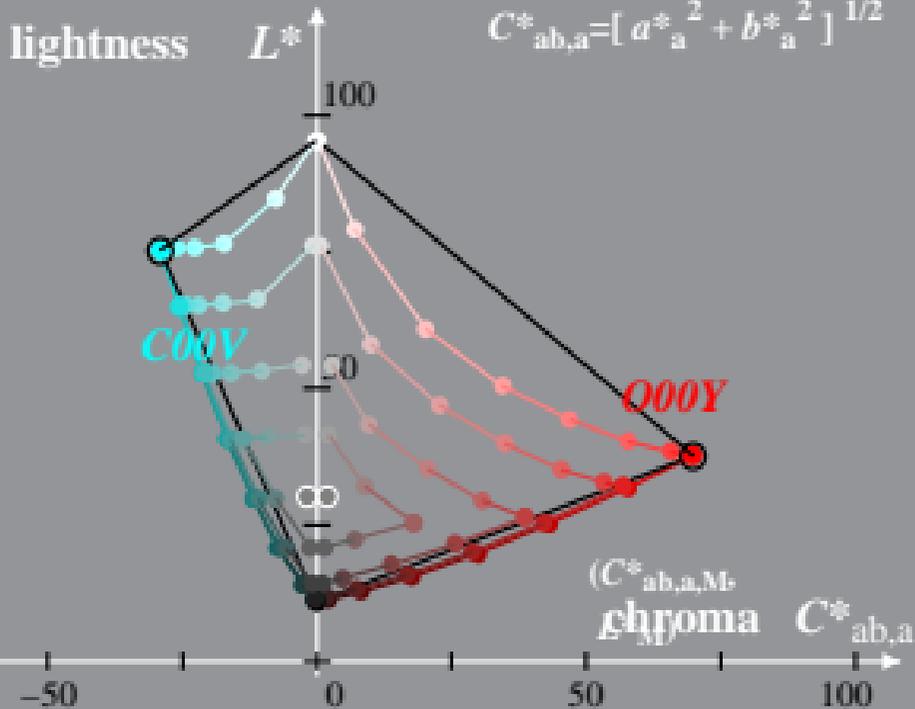
Hue:  $h^*_{000Y}=38/360$ ;  $h^*_{C00V}=236/360$

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

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

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

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



LE460-1A, 1,2%\_Fadin 0

Linear relation CIELAB ( $L^*$ ,  $a^*$ ,  $b^*$ ) and adapted (a) CIELAB ( $C^*_{ab,a}$ ,  $L^*$ )  
 LE46\_LCD projector\_1 1,2%\_Facit

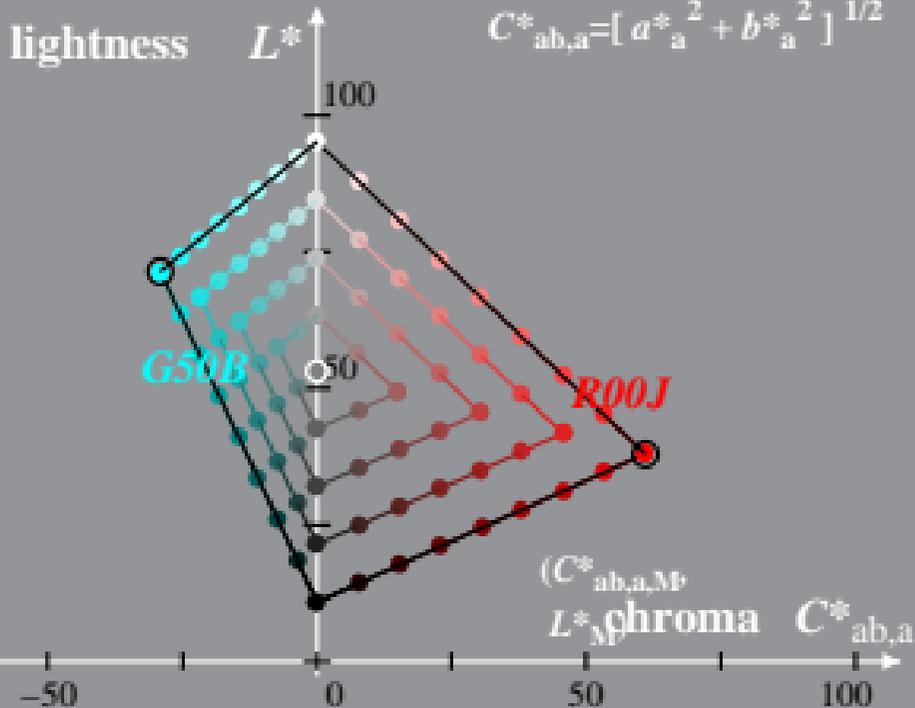
Hue:  $h^*_{R00J}=26/360$ ;  $h^*_{G50B}=217/360$

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

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Linear relation CIELAB ( $L^*$ ,  $a^*$ ,  $b^*$ ) and adapted (a) CIELAB ( $C^*_{ab,a}$ ,  $L^*$ )  
 LE46\_LCD projector\_1 2,5%\_Fadin

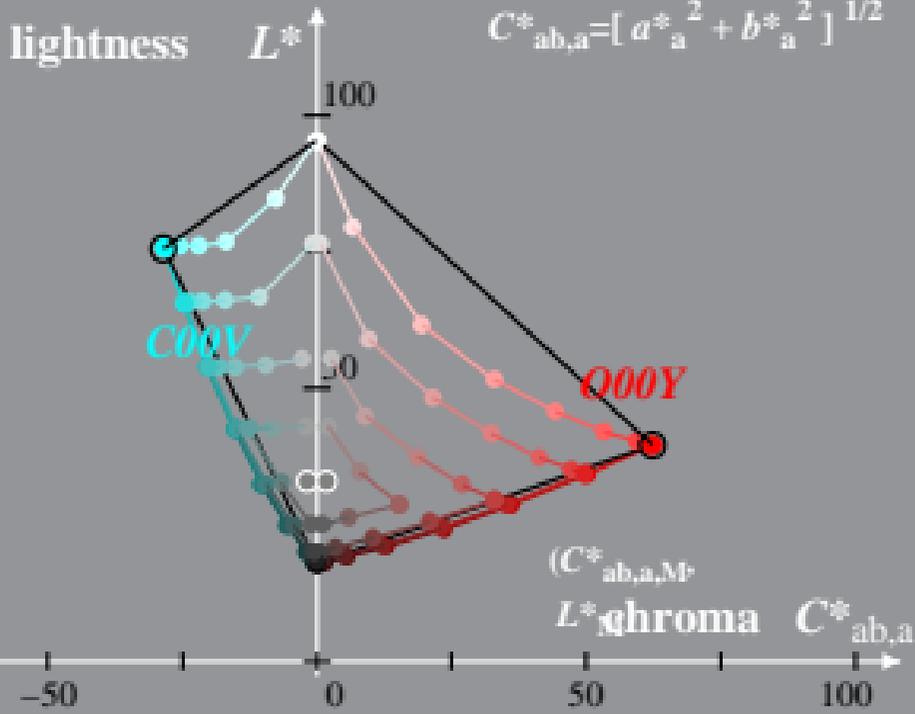
Hue:  $h^*_{000Y}=38/360$ ;  $h^*_{C00V}=236/360$

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

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



Linear relation CIELAB ( $L^*$ ,  $a^*$ ,  $b^*$ ) and adapted (a) CIELAB ( $C^*_{ab,a}$ ,  $L^*$ )  
 LE46\_LCD projector\_1 2,5%\_Facit

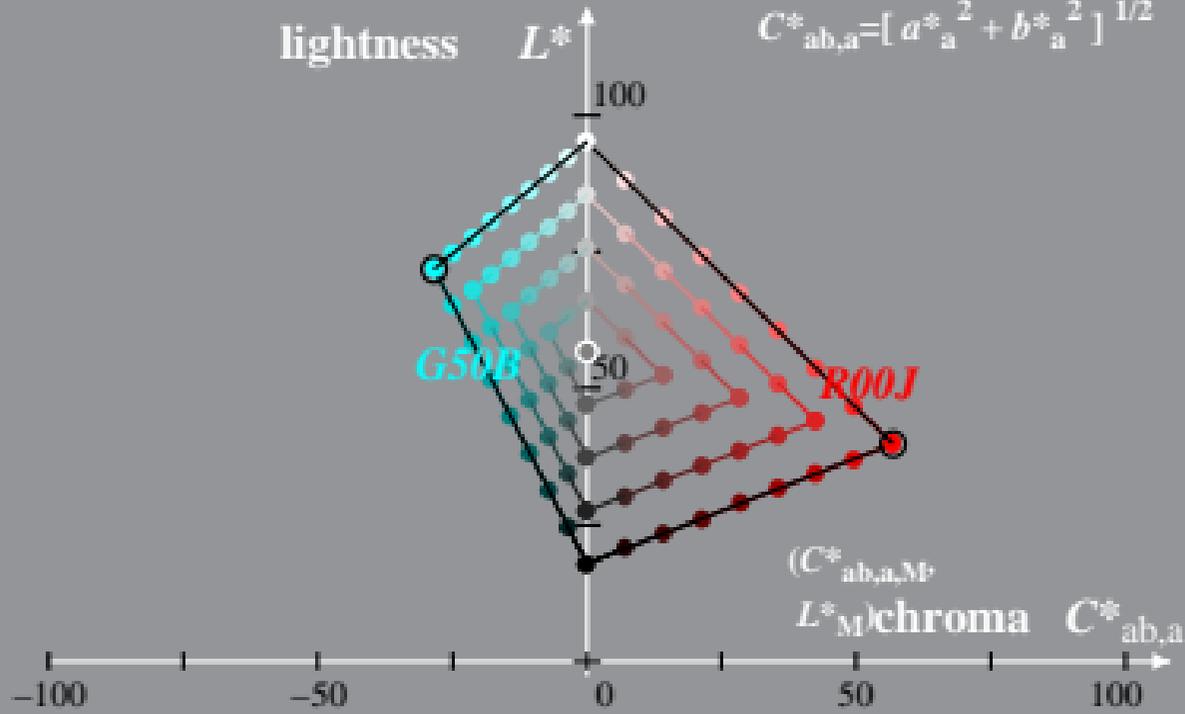
Hue:  $h^*_{R00J}=26/360$ ;  $h^*_{G50B}=217/360$

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

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

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

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



LE460-1A, 2,5%\_Facit 1

Linear relation CIELAB ( $L^*$ ,  $a^*$ ,  $b^*$ ) and adapted (*a*) CIELAB ( $C^*_{ab,a}$ ,  $L^*$ )  
 LE46\_LCD projector\_1 5%\_Fadin

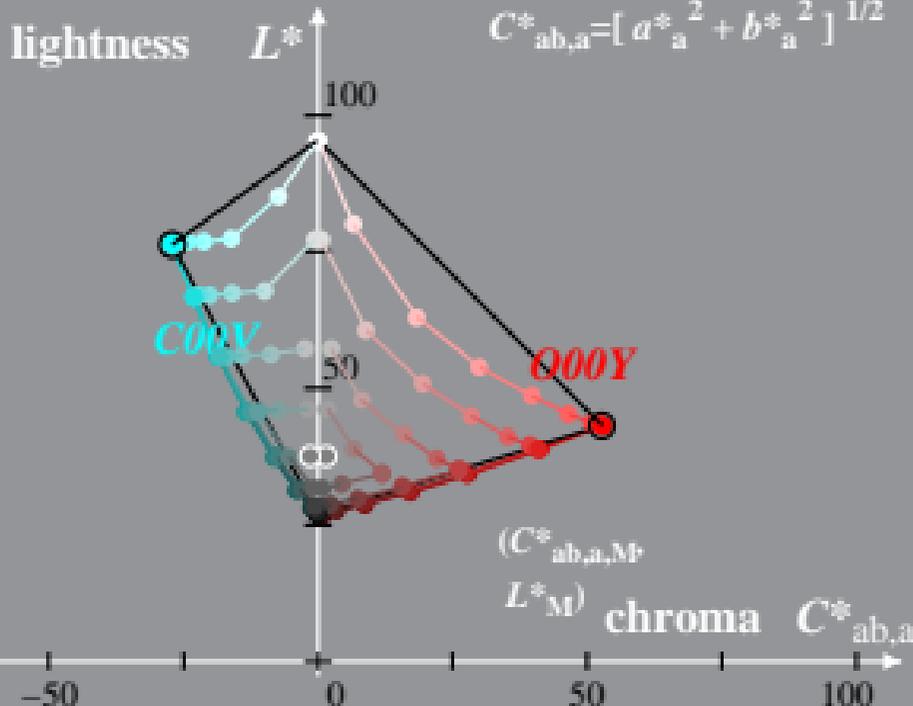
Hue:  $h^*_{000Y}=38/360$ ;  $h^*_{C00V}=236/360$

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

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

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



Linear relation CIELAB ( $L^*$ ,  $a^*$ ,  $b^*$ ) and adapted (a) CIELAB ( $C^*_{ab,a}$ ,  $L^*$ )  
 LE46\_LCD projector\_1 5%\_Faet

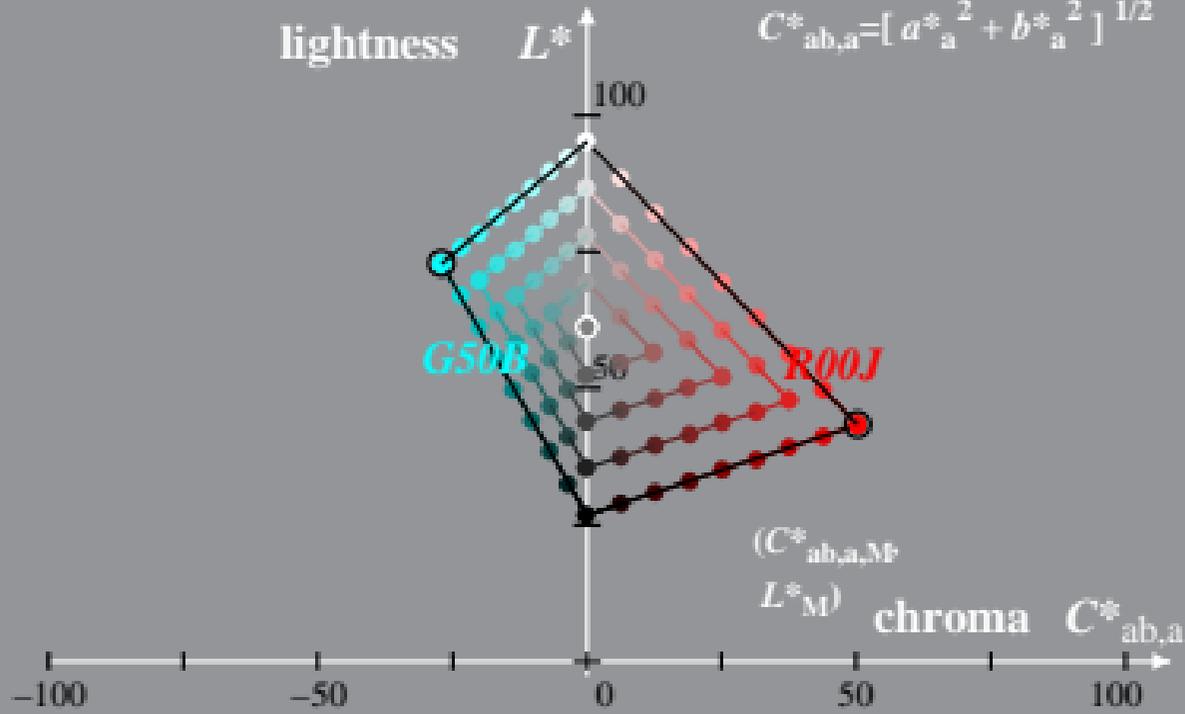
Hue:  $h^*_{R00J}=26/360$ ;  $h^*_{G50B}=217/360$

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LE460-1A, 5%\_Faet 1

Linear relation CIELAB ( $L^*$ ,  $a^*$ ,  $b^*$ ) and adapted (a) CIELAB ( $C^*_{ab,a}$ ,  $L^*$ )  
 LE46\_LCD projector\_1 10%\_Fadin

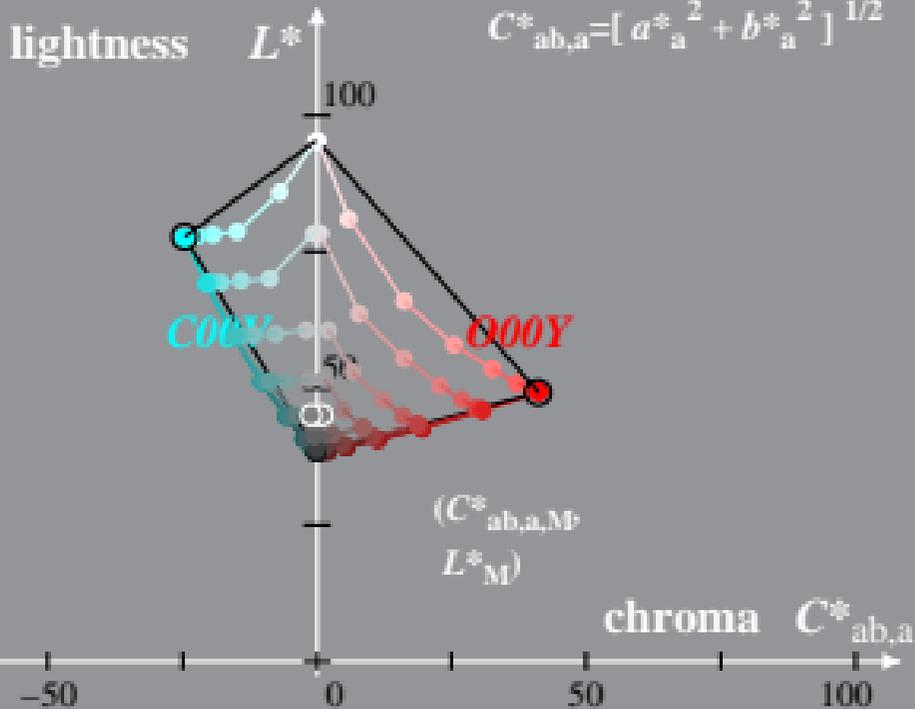
Hue:  $h^*_{000Y}=38/360$ ;  $h^*_{C00V}=236/360$

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

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

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



LE460-1A, 10%\_Fadin 0

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

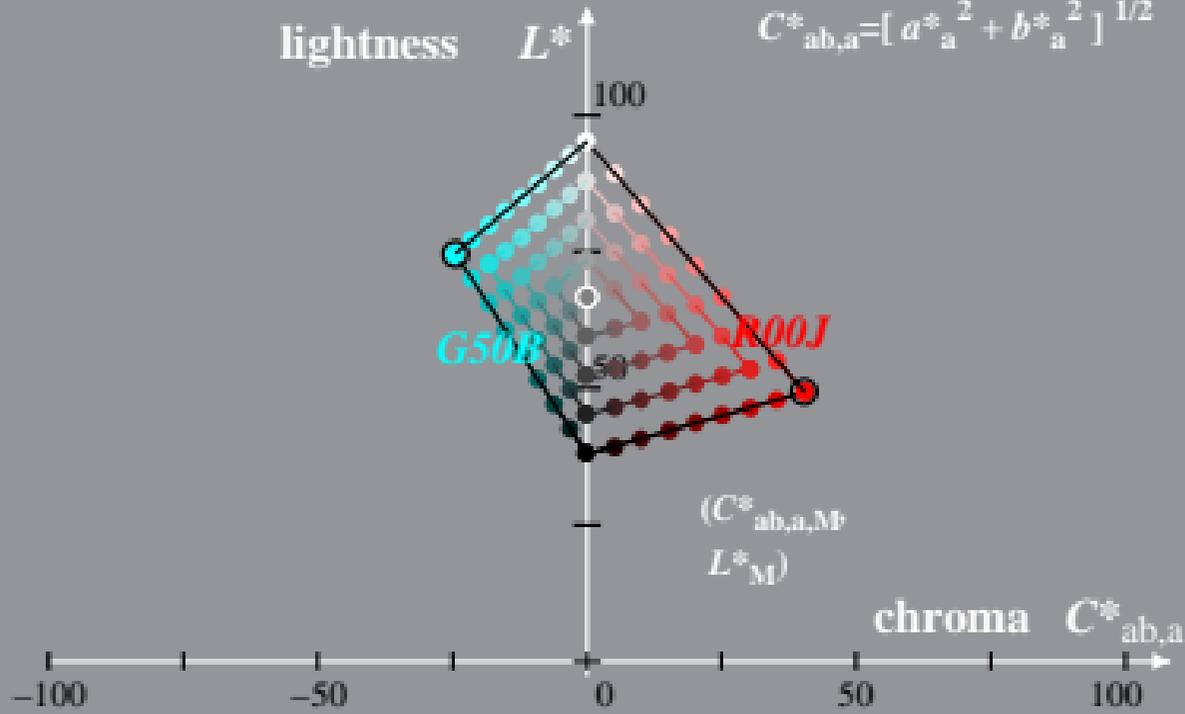
LE46\_LCD projector\_1 10%\_Faet  
 Hue:  $h^*_{R00J}=26/360$ ;  $h^*_{G50B}=217/360$

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LE460-1A, 10%\_Faet 1

Linear relation CIELAB ( $L^*$ ,  $a^*$ ,  $b^*$ ) and adapted (*a*) CIELAB ( $C^*_{ab,a}$ ,  $L^*$ )  
 LE46\_LCD projector\_1 20%\_Fadin

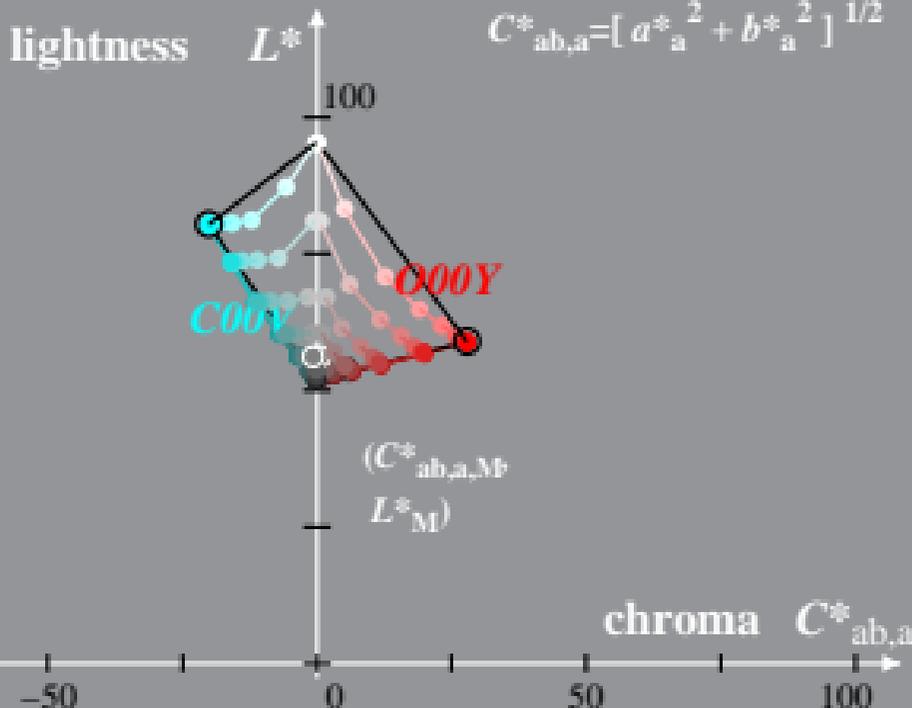
Hue:  $h^*_{000Y}=38/360$ ;  $h^*_{C00Y}=236/360$

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

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



Linear relation CIELAB ( $L^*$ ,  $a^*$ ,  $b^*$ ) and adapted (*a*) CIELAB ( $C^*_{ab,a}$ ,  $L^*$ )  
 LE46\_LCD projector\_1 20%\_Faeit

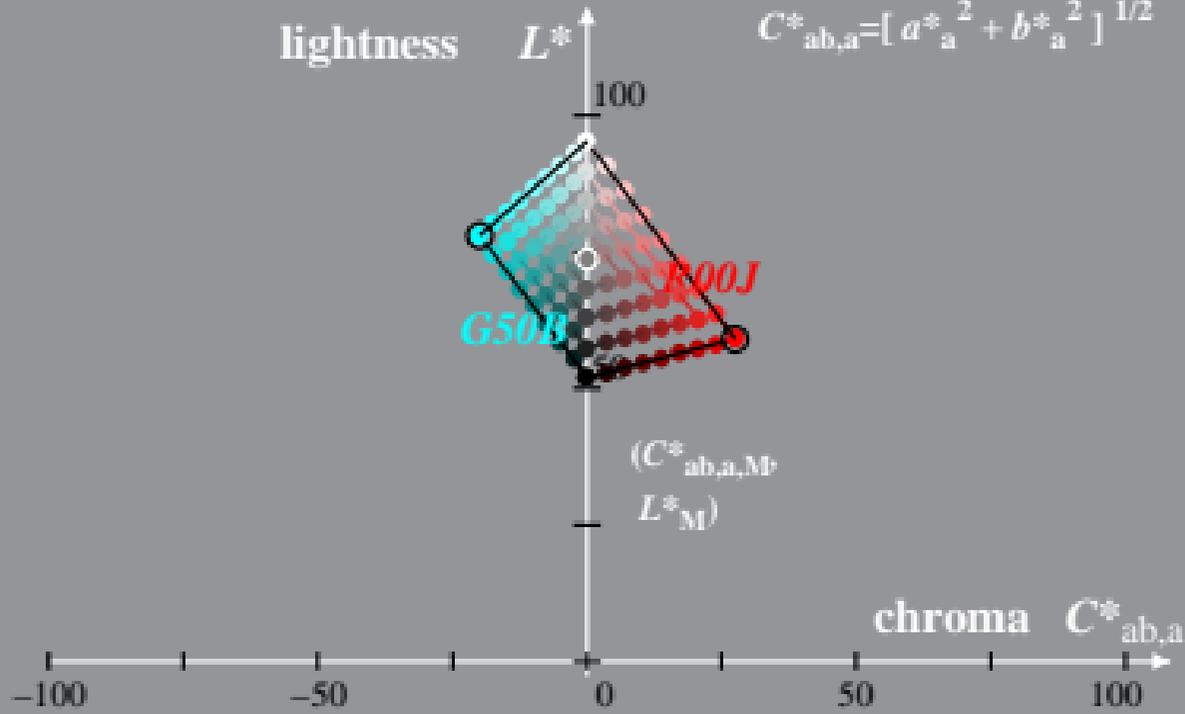
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$$C^*_{ab,a} = [a^{*2}_a + b^{*2}_a]^{1/2}$$



LE460-1A, 20%\_Faeit 1

Linear relation CIELAB ( $L^*$ ,  $a^*$ ,  $b^*$ ) and adapted (a) CIELAB ( $C^*_{ab,a}$ ,  $L^*$ )  
 LE46\_LCD projector\_1 40%\_Fadin

Hue:  $h^*_{C00Y}=38/360$ ;  $h^*_{C00V}=236/360$

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

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

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

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

lightness

$L^*$

100



( $C^*_{ab,a,M}$ )  
 $L^*_M$

chroma

$C^*_{ab,a}$

-100

-50

0

50

100

Linear relation CIELAB ( $L^*$ ,  $a^*$ ,  $b^*$ ) and adapted (a) CIELAB ( $C^*_{ab,a}$ ,  $L^*$ )  
 LE46\_LCD projector\_1 40%\_Faet

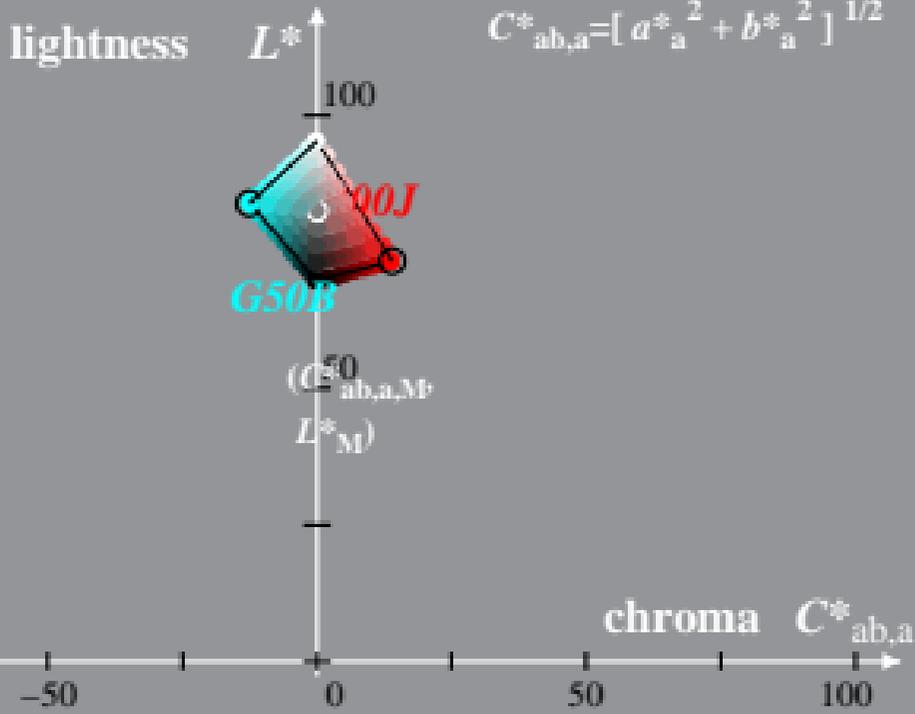
Hue:  $h^*_{R00J}=26/360$ ;  $h^*_{G50B}=217/360$

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

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

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

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



LE460-1A, 40%\_Faet 1