

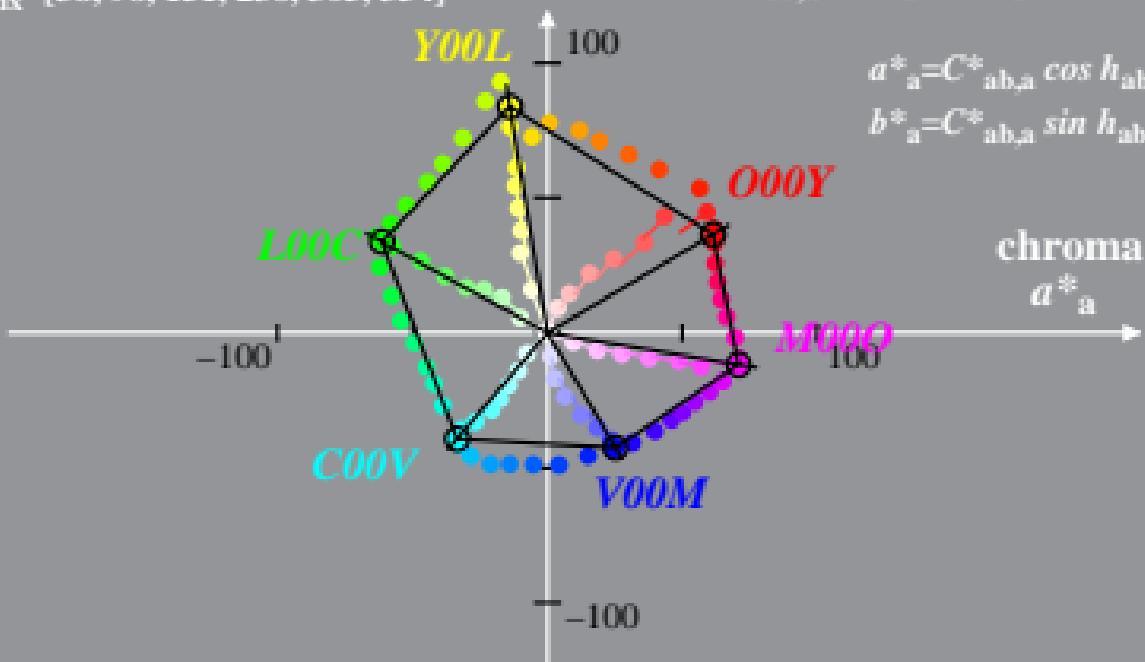
Linear relation CIELAB (L^*, a^*, b^*) and adapted (a) CIELAB ($C^*_{ab,a}, L^*$)
 System: GE86_HRS16_96_D65_00%_O0 $l^*_{lab} = (L^* - L^*_N) / (L^*_W - L^*_N)$

CIELAB hue angles:

$$h_{ab,d} = [32, 99, 151, 227, 296, 348]$$

$$h_{ab,dx} = [38, 96, 151, 236, 305, 354]$$

$$\begin{aligned} b^*_{ab,a} &= b^* - b^*_N - l^*_{lab} \cdot [b^*_W - b^*_N] \\ C^*_{ab,a} &= [a^*_{ab,a}^2 + b^*_{ab,a}^2]^{1/2} \end{aligned}$$



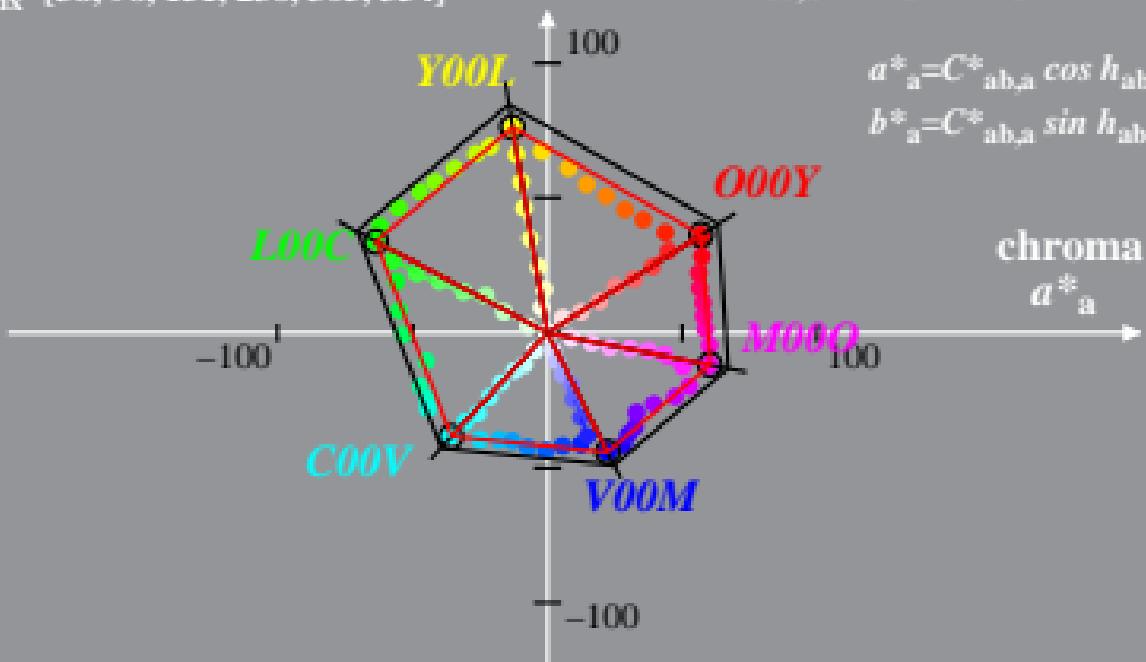
Linear relation CIELAB (L^*, a^*, b^*) and adapted (a) CIELAB ($C^*_{ab,a}, L^*$)
 System: GE86_HRS16_96_D65_00%_O1 $l^*_{lab} = (L^* - L^*_N) / (L^*_W - L^*_N)$

CIELAB hue angles:

$$h_{ab,d} = [32, 99, 151, 227, 296, 348]$$

$$h_{ab,dx} = [38, 96, 151, 236, 305, 354]$$

$$\begin{aligned} b^*_{ab,a} &= b^* - b^*_N - l^*_{lab} \cdot [b^*_W - b^*_N] \\ C^*_{ab,a} &= [a^*_{ab,a}^2 + b^*_{ab,a}^2]^{1/2} \end{aligned}$$



$$\begin{aligned} a^*_{ab,a} &= C^*_{ab,a} \cos h_{ab} \\ b^*_{ab,a} &= C^*_{ab,a} \sin h_{ab} \end{aligned}$$

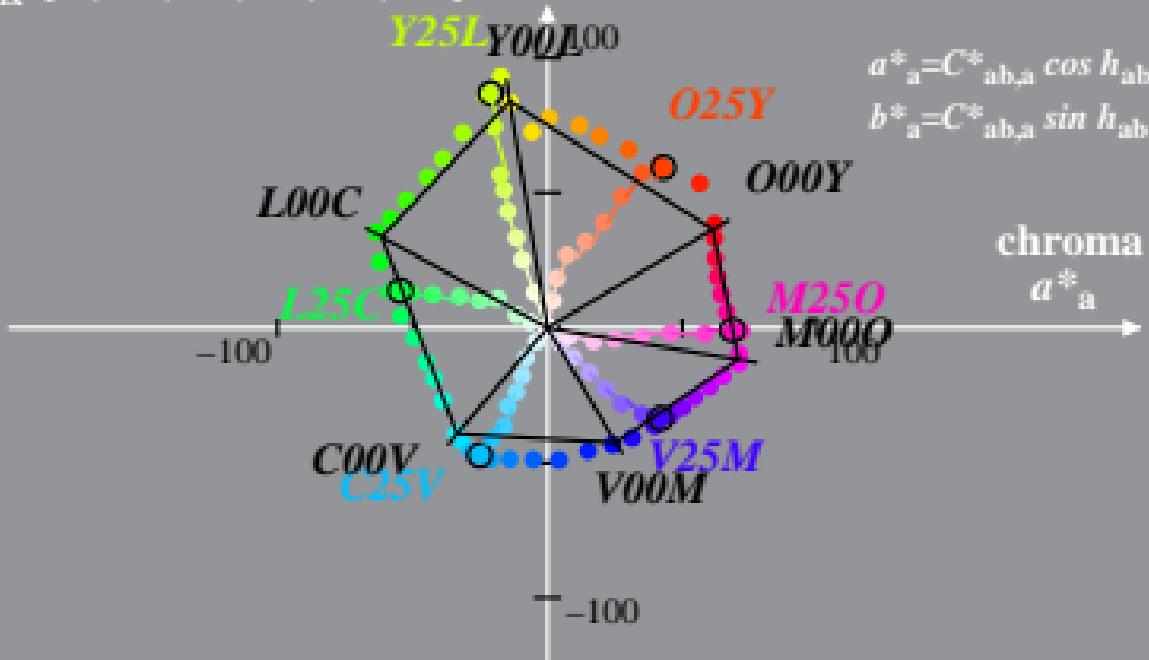
Linear relation CIELAB (L^*, a^*, b^*) and adapted (a) CIELAB ($C^*_{ab,a}, L^*$)
 System: GE86_HRS16_96_D65_25%_O0 $l^*_{lab} = (L^* - L^*_N) / (L^*_W - L^*_N)$

CIELAB hue angles:

$$h_{ab,d} = [32, 99, 151, 227, 296, 348]$$

$$h_{ab,dx} = [52, 109, 172, 253, 317, 365]$$

$$\begin{aligned} b^*_{ab,a} &= b^* - b^*_N - l^*_{lab} \cdot [b^*_W - b^*_N] \\ C^*_{ab,a} &= [a^*_{ab,a}^2 + b^*_{ab,a}^2]^{1/2} \end{aligned}$$



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 System: GE86_HRS16_96_D65_25%_O1 $l^*_{lab} = (L^* - L^*_N) / (L^*_W - L^*_N)$

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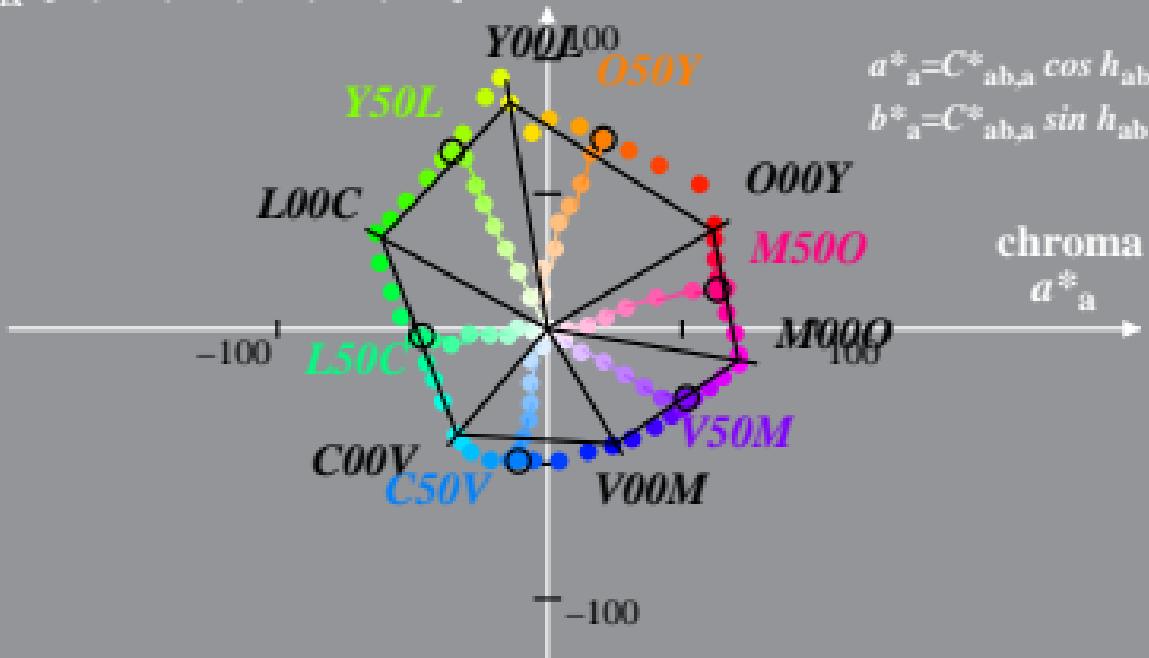
Linear relation CIELAB (L^*, a^*, b^*) and adapted (a) CIELAB ($C^*_{ab,a}, L^*$)
 System: GE86_HRS16_96_D65_50%_O0 $l^*_{lab} = (L^* - L^*_N) / (L^*_W - L^*_N)$

CIELAB hue angles:

$$h_{ab,d} = [32, 99, 151, 227, 296, 348]$$

$$h_{ab,dx} = [67, 123, 193, 270, 329, 376]$$

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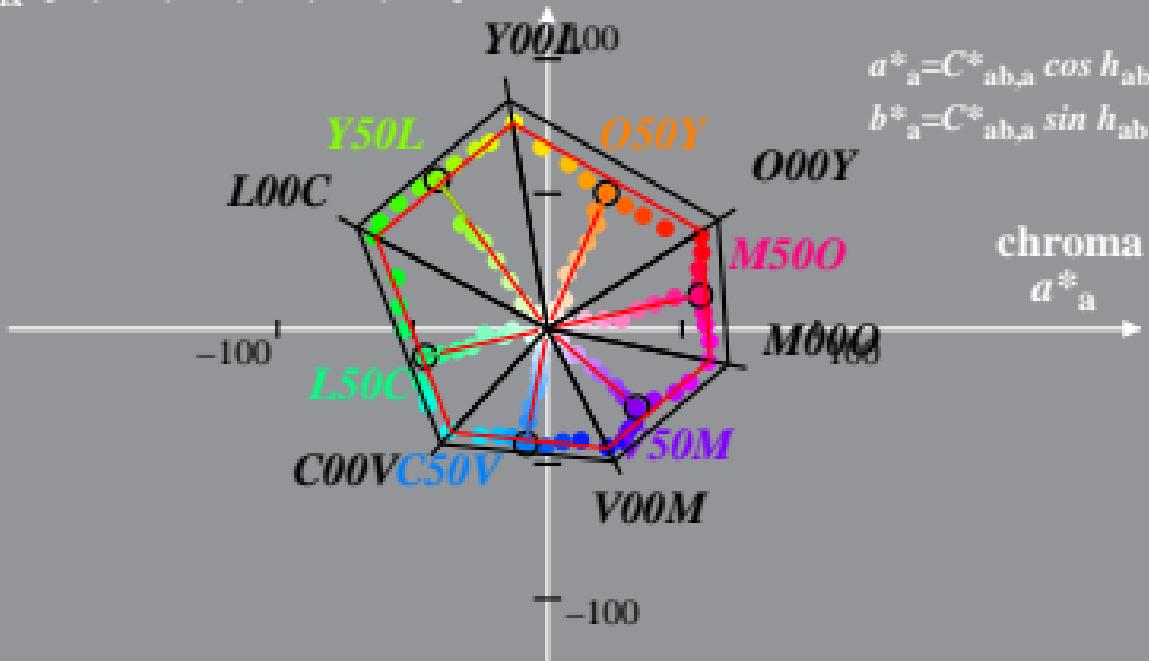
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$$\begin{aligned} a^*_{ab,a} &= C^*_{ab,a} \cos h_{ab} \\ b^*_{ab,a} &= C^*_{ab,a} \sin h_{ab} \end{aligned}$$

chroma
 $a^*_{ab,a}$

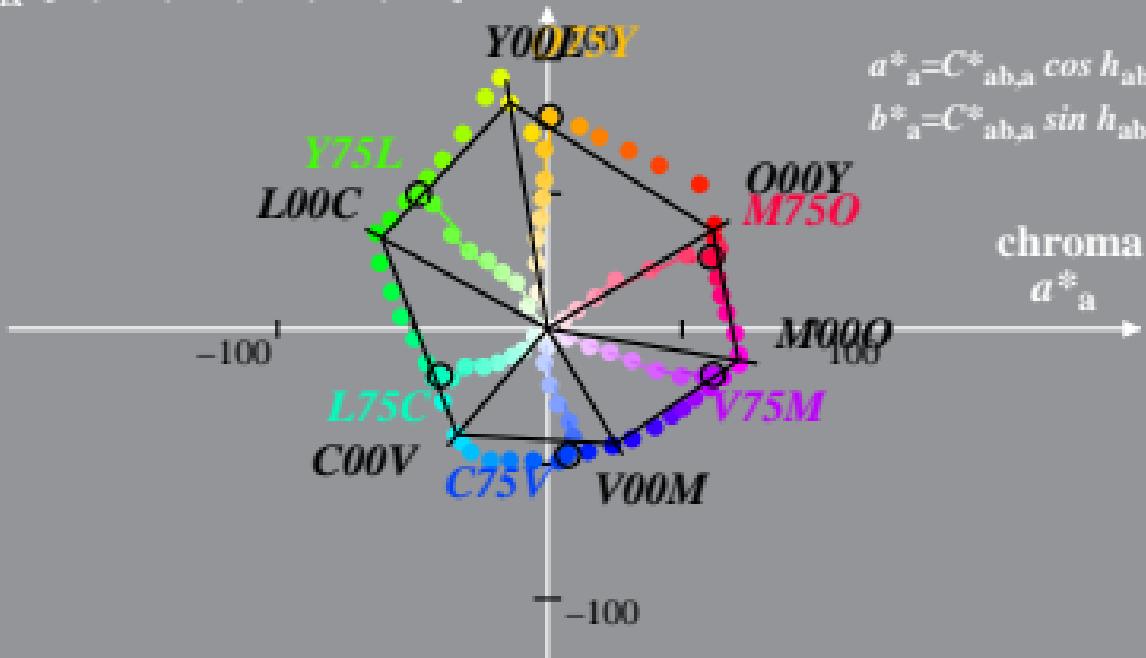
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$$h_{ab,d} = [32, 99, 151, 227, 296, 348]$$

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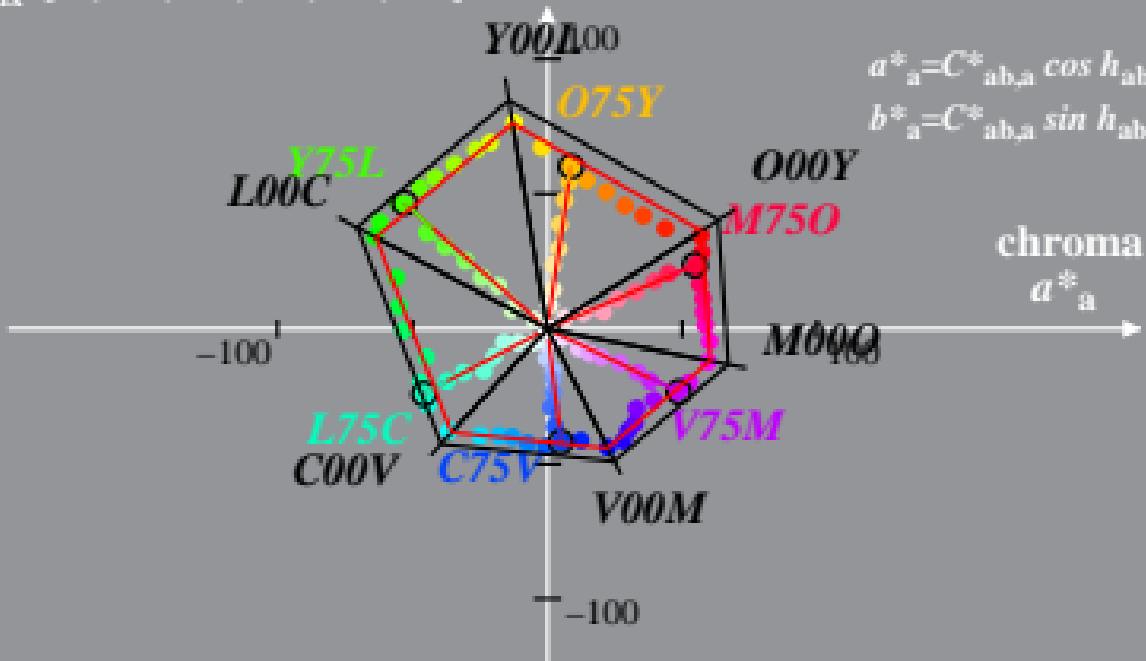
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