

Linear relation CIELAB (L^*, a^*, b^*) and adapted (a) CIELAB ($C^*_{ab,a}, L^*$)
 LE49_LCD projector_2 0%_Fadin

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

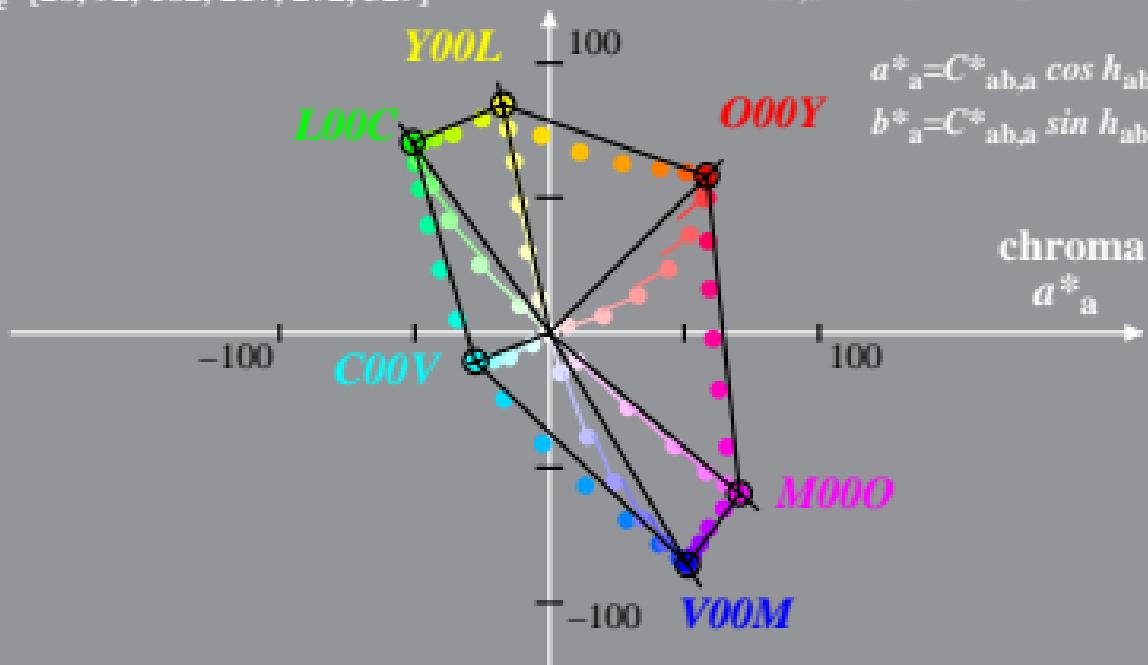
CIELAB hue angles:

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

$$h_{ab,e} = [26, 92, 162, 217, 272, 329]$$

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

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



$$a^*_{ab} = C^*_{ab,a} \cos h_{ab}$$

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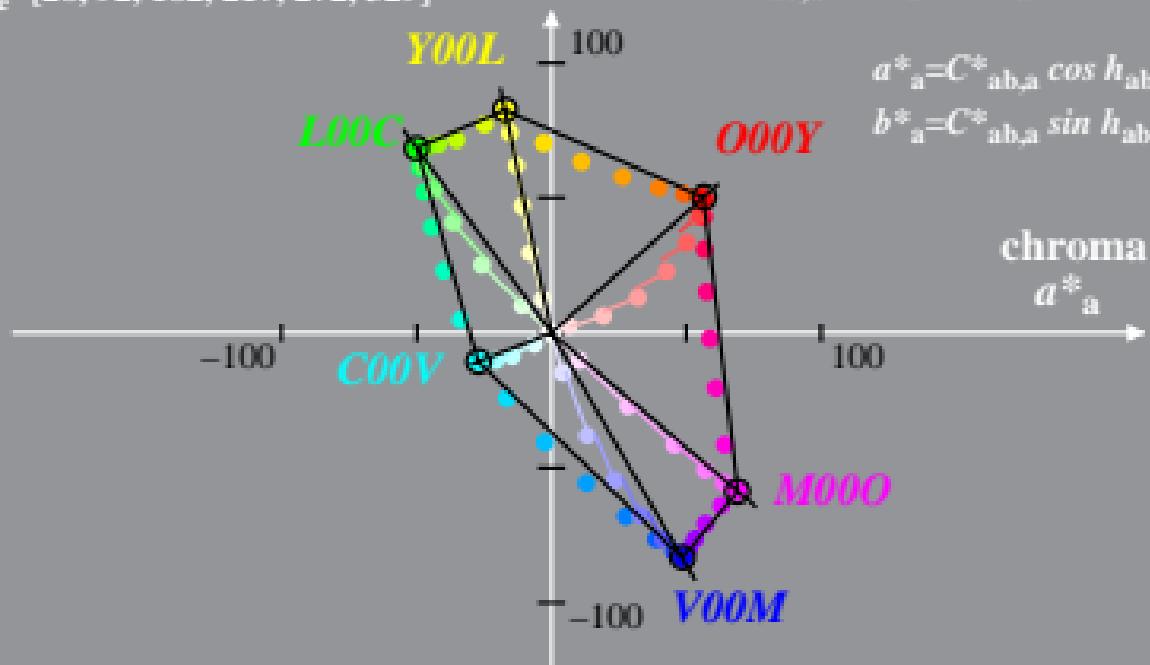
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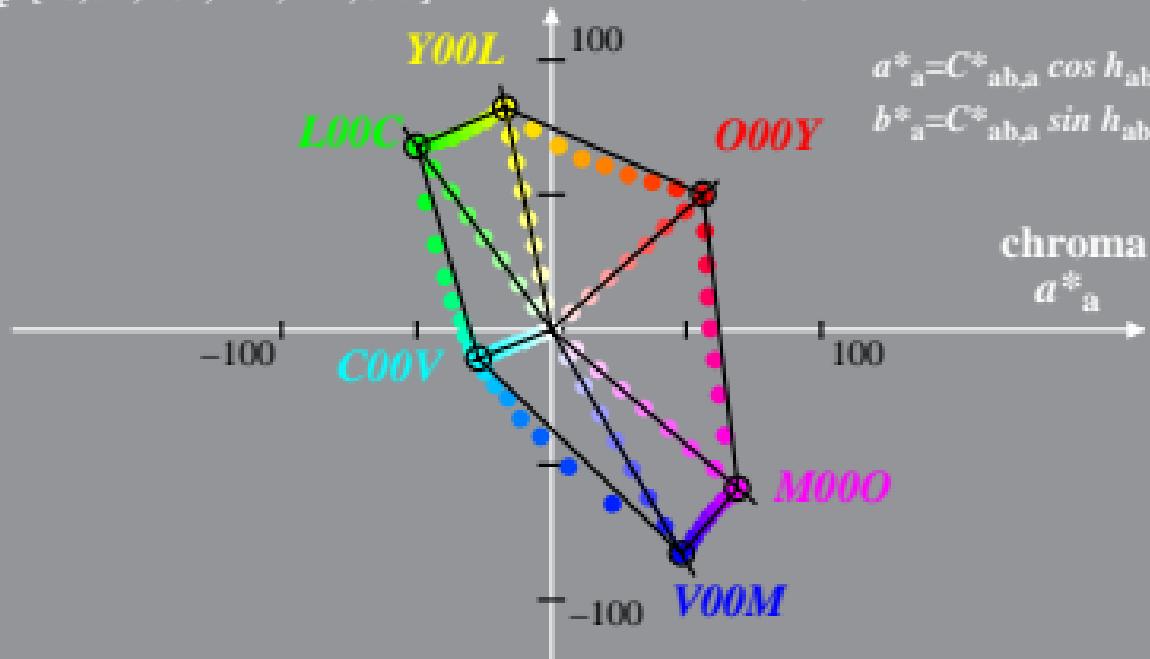
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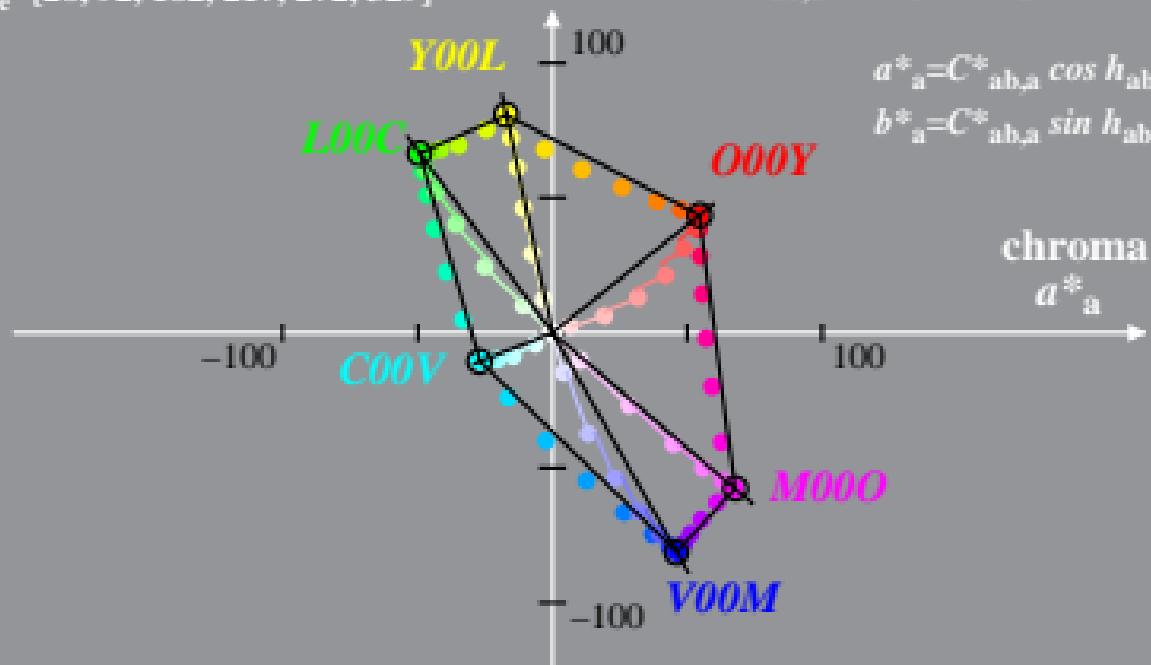
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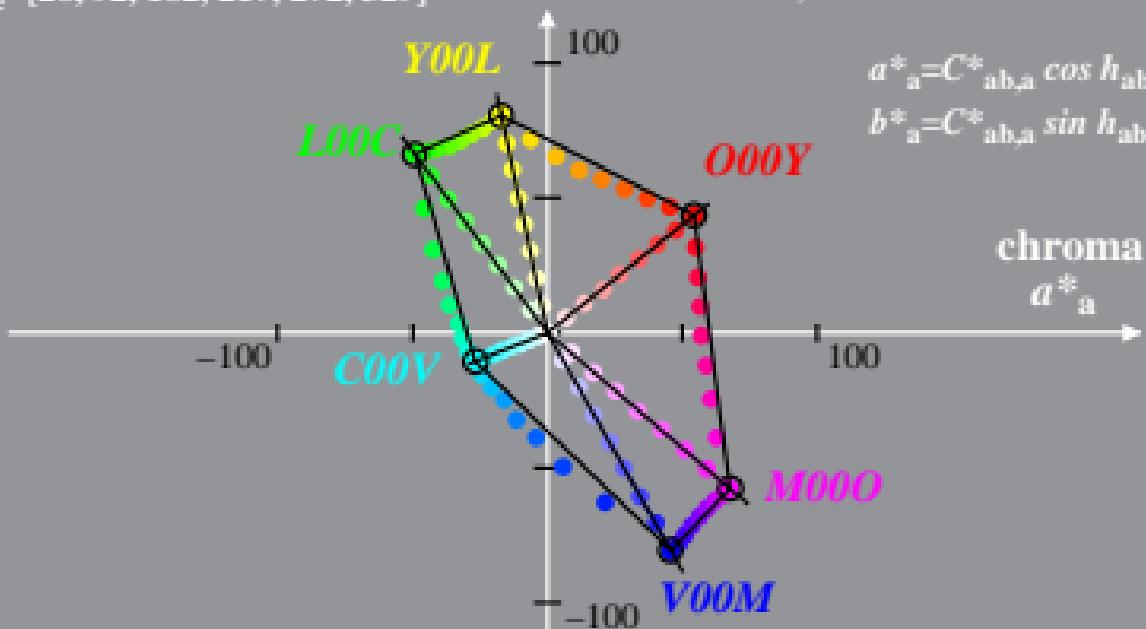
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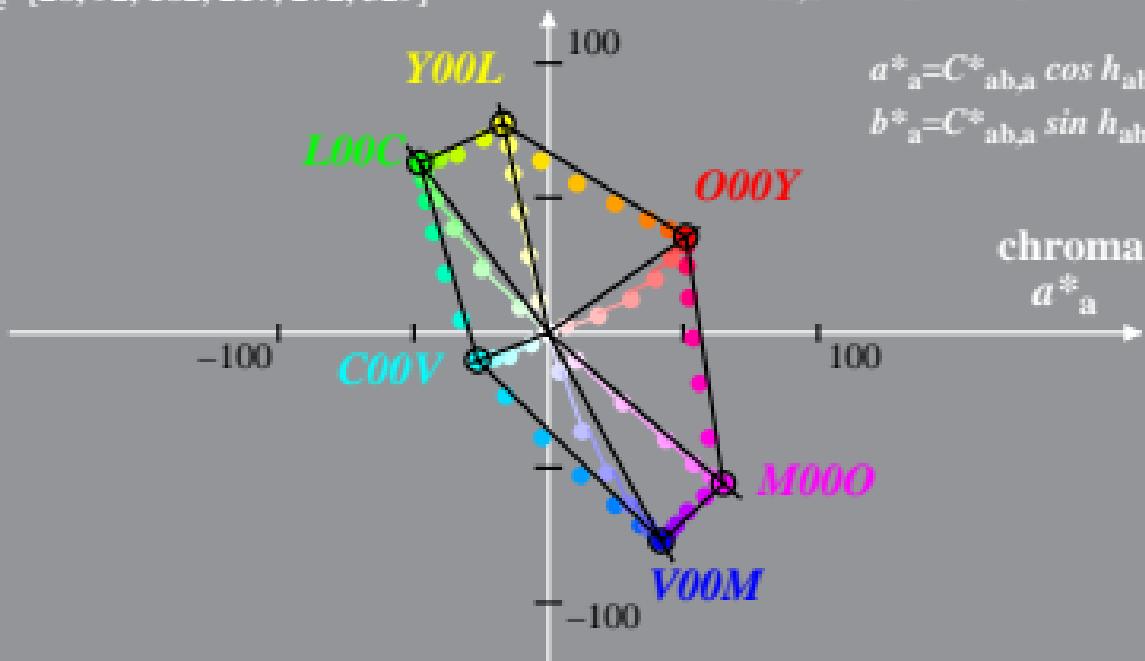
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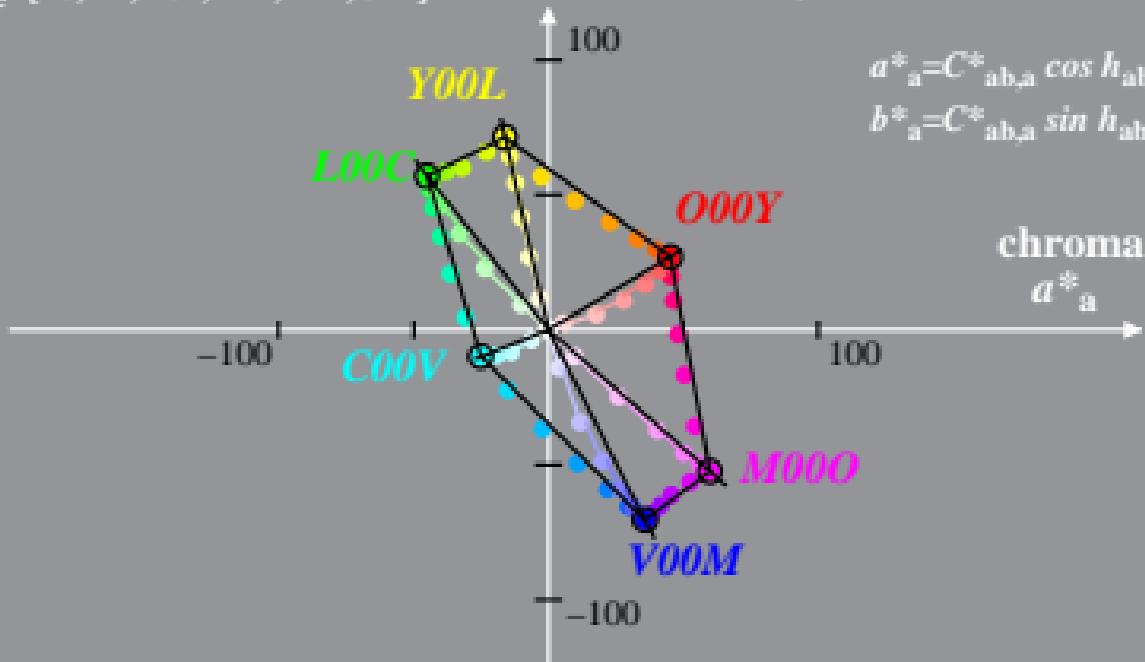
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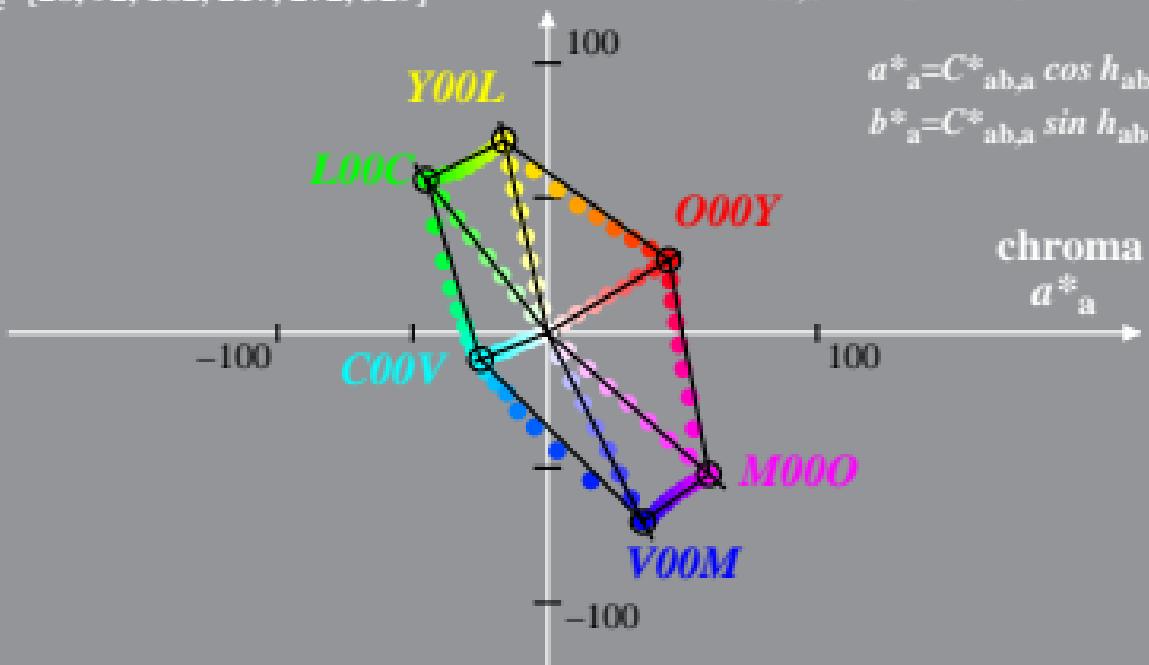
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 LE49_LCD projector_2 10%_Fadin $L^*_{ab,a} = (L^* - L^*_{\text{min}}) / (L^*_{\text{max}} - L^*_{\text{min}})$

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

$$a^*_{-2} = a^* - a^*_N - l^*_{-2b^*} [a^*_W - a^*_N]$$

$$b_{\alpha}^{\ast} = b_{\alpha} - b_{\alpha}^{+} + b_{\alpha}^{-} \quad (b_{\alpha}^{+} - b_{\alpha}^{-})$$

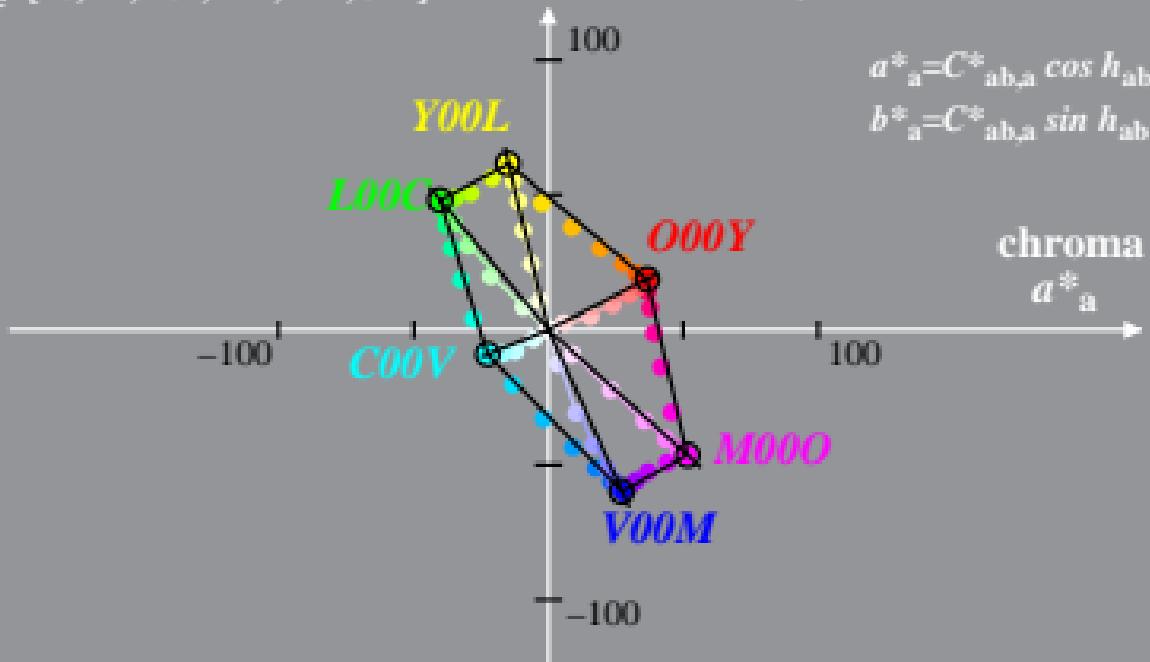
¹² See also *ibid.*, pp. 11–12.

$$C_{ab,a}^* = [a_{-a}^{*-1} + b_{-a}^{*-1}]^{-1}$$

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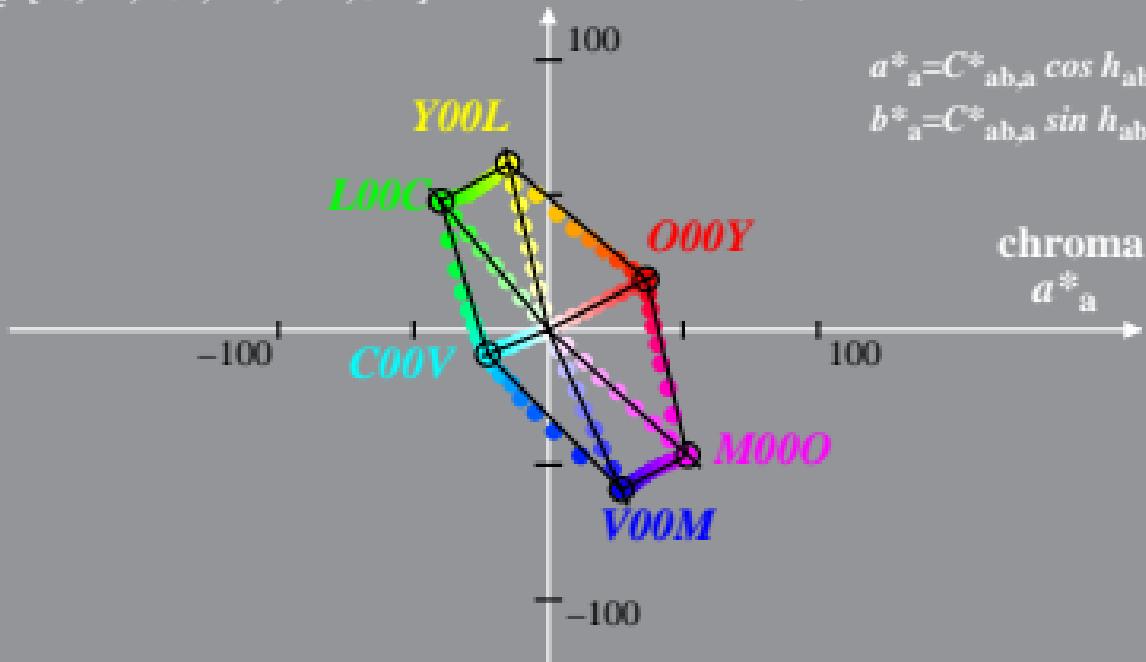
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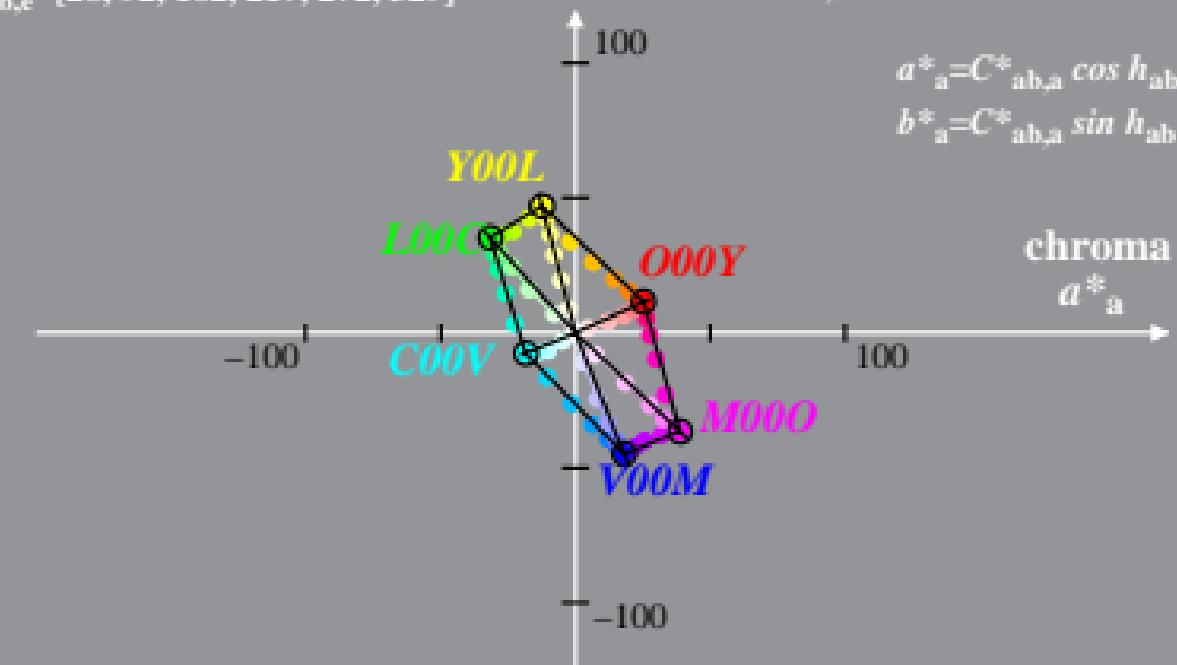
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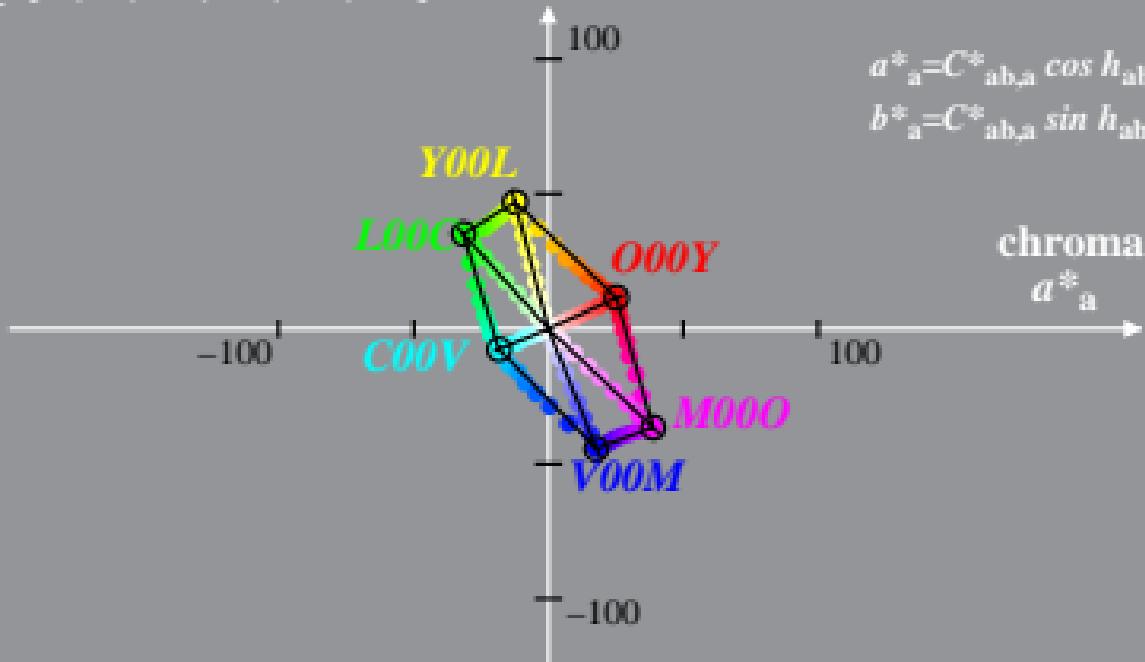
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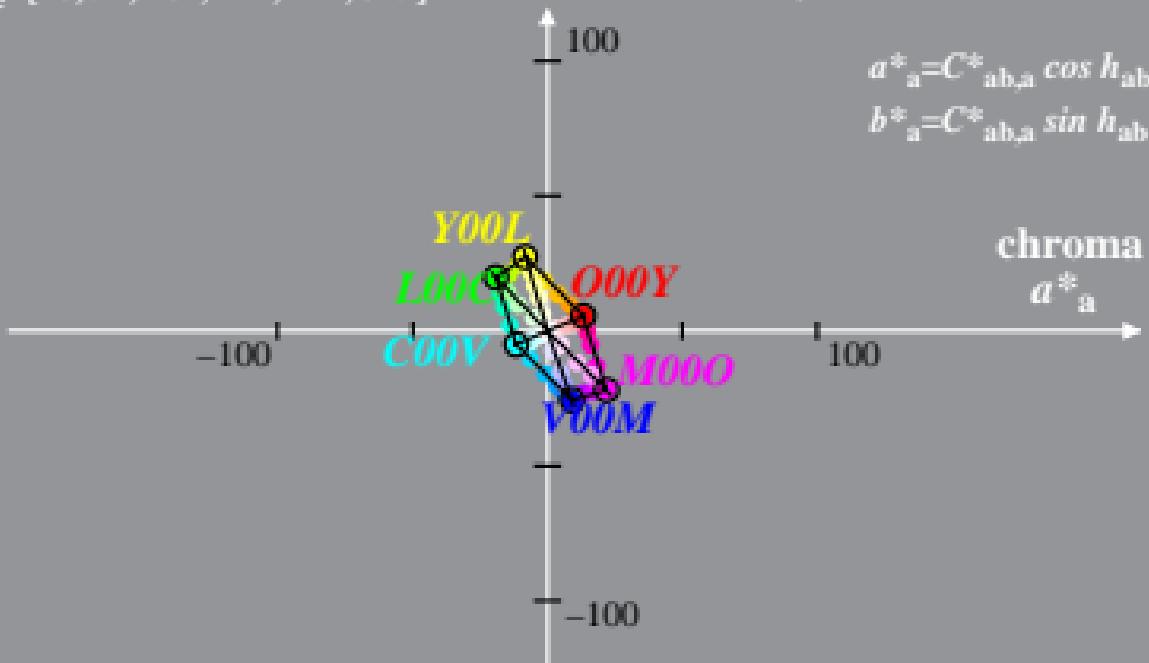
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