

Linear relation olv^* and relative chroma $c^*_{olv^*}$ or chroma $a^*_{olv^*}, b^*_{olv^*}$

System: GE88_FRS09_92_D65_00%_O0

$$c^*_{olv^*} = \max(olv^*) - \min(olv^*)$$

Result: $c^*_{olv^*} = c^*_{lab^*}$; $l^*_{olv^*} = l^*_{lab^*}$

$$n^* = 1 - \max(olv^*) = 1 - i^*$$

CIELAB hue angles:

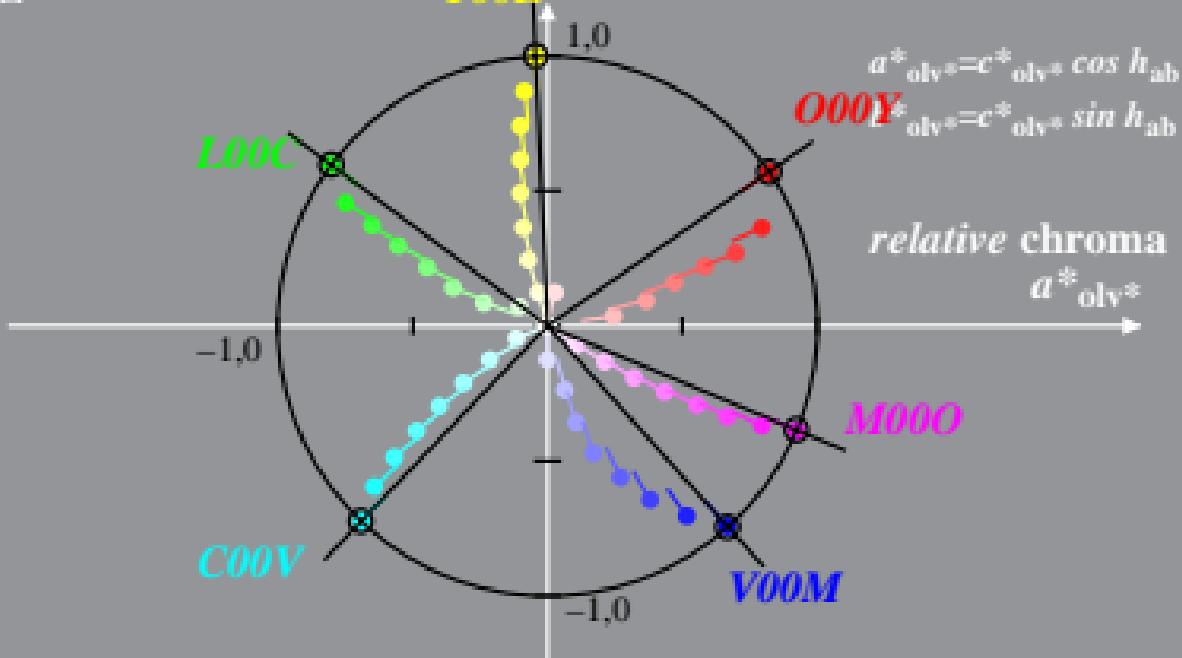
$$b^*_{olv^*}$$

$$h_{ab,d} = [34, 92, 143, 225, 313, 338]$$

$$w^* = \min(olv^*) = 1 - d^*$$

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

$$l^*_{olv^*} = w^* + 0,5 c^*_{olv^*}$$



Linear relation olv^* and relative chroma $c^*_{olv^*}$ or chroma $a^*_{olv^*}, b^*_{olv^*}$

System: GE88_FRS09_92_D65_00%_O1 $c^*_{olv^*} = \max(olv^*) - \min(olv^*)$

Result: $c^*_{olv^*} = c^*_{lab^*}$; $t^*_{olv^*} = t^*_{lab^*}$ $n^* = 1 - \max(olv^*) = 1 - i^*$

CIELAB hue angles:

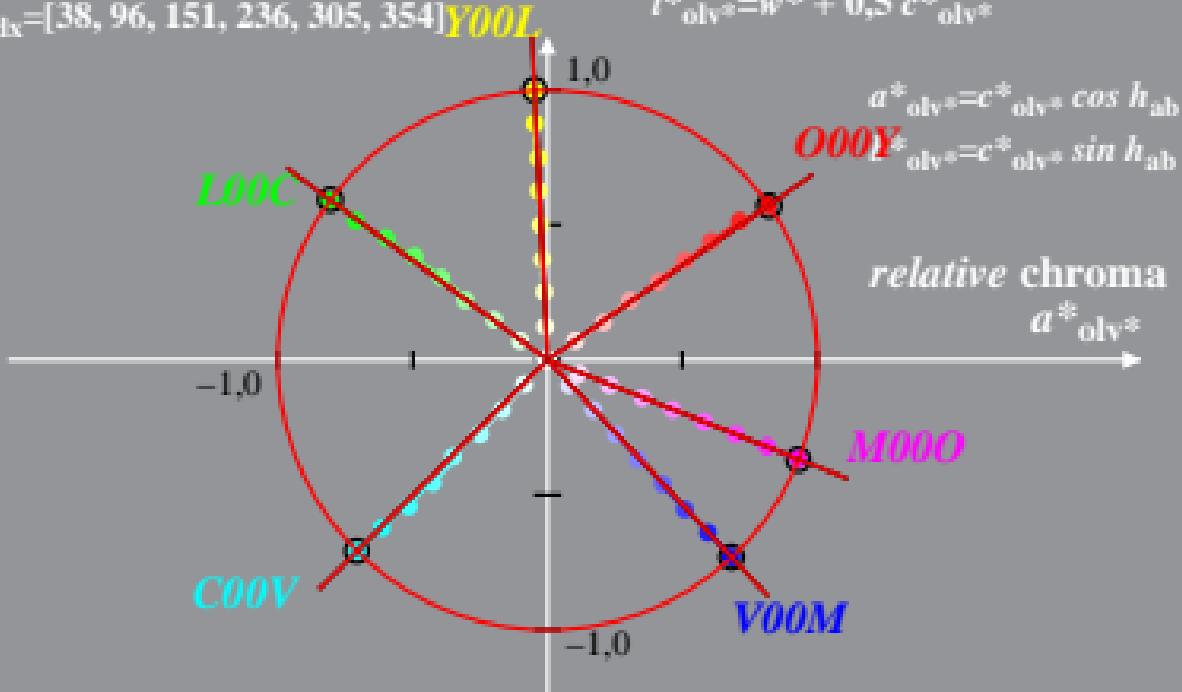
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Linear relation olv^* and relative chroma $c^*_{olv^*}$ or chroma $a^*_{olv^*}, b^*_{olv^*}$

System: GE88_FRS09_92_D65_25%_O0

$$c^*_{olv^*} = \max(olv^*) - \min(olv^*)$$

Result: $c^*_{olv^*} = c^*_{lab^*}$; $l^*_{olv^*} = l^*_{lab^*}$

$$n^* = 1 - \max(olv^*) = 1 - i^*$$

CIELAB hue angles:

$$b^*_{olv^*}$$

$$h_{ab,d} = [34, 92, 143, 225, 313, 338]$$

$$w^* = \min(olv^*) = 1 - d^*$$

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

$$l^*_{olv^*} = w^* + 0,5 c^*_{olv^*}$$

$Y25Y00L$

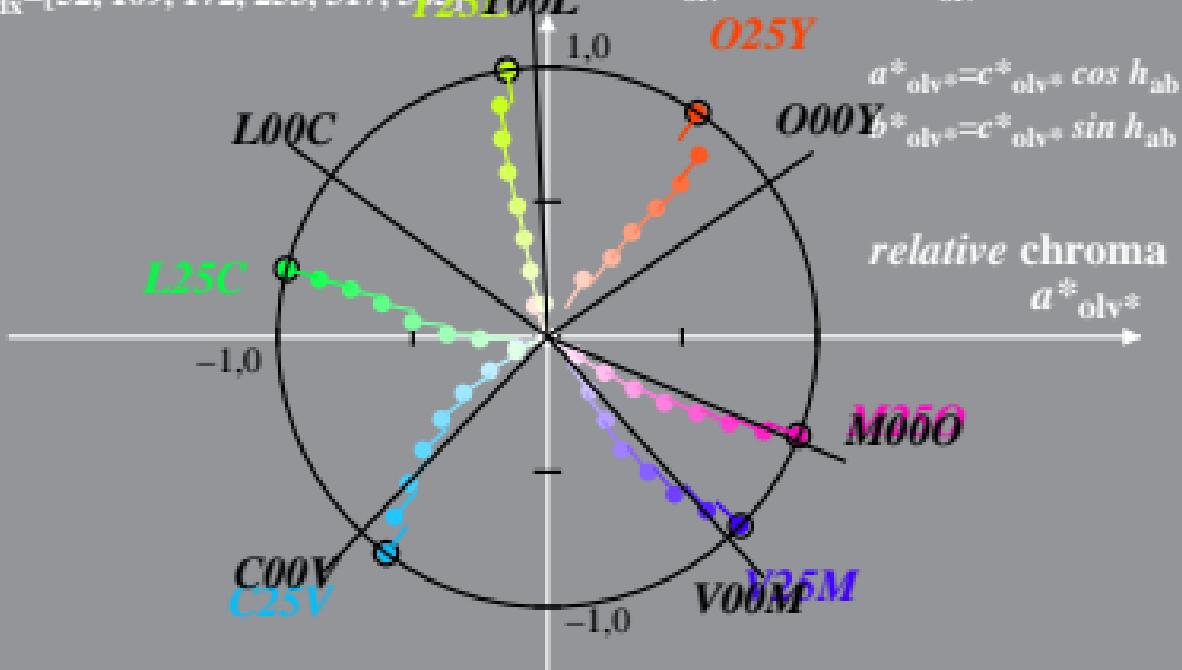
$O25Y$

$$a^*_{olv^*} = c^*_{olv^*} \cos h_{ab}$$

$$b^*_{olv^*} = c^*_{olv^*} \sin h_{ab}$$

relative chroma

$$a^*_{olv^*}$$



Linear relation olv^* and relative chroma $c^*_{olv^*}$ or chroma $a^*_{olv^*}, b^*_{olv^*}$

System: GE88_FRS09_92_D65_25%_O1

$$c^*_{olv^*} = \max(olv^*) - \min(olv^*)$$

Result: $c^*_{olv^*} = c^*_{lab^*}$; $l^*_{olv^*} = l^*_{lab^*}$

$$n^* = 1 - \max(olv^*) = 1 - i^*$$

CIELAB hue angles:

$$b^*_{olv^*}$$

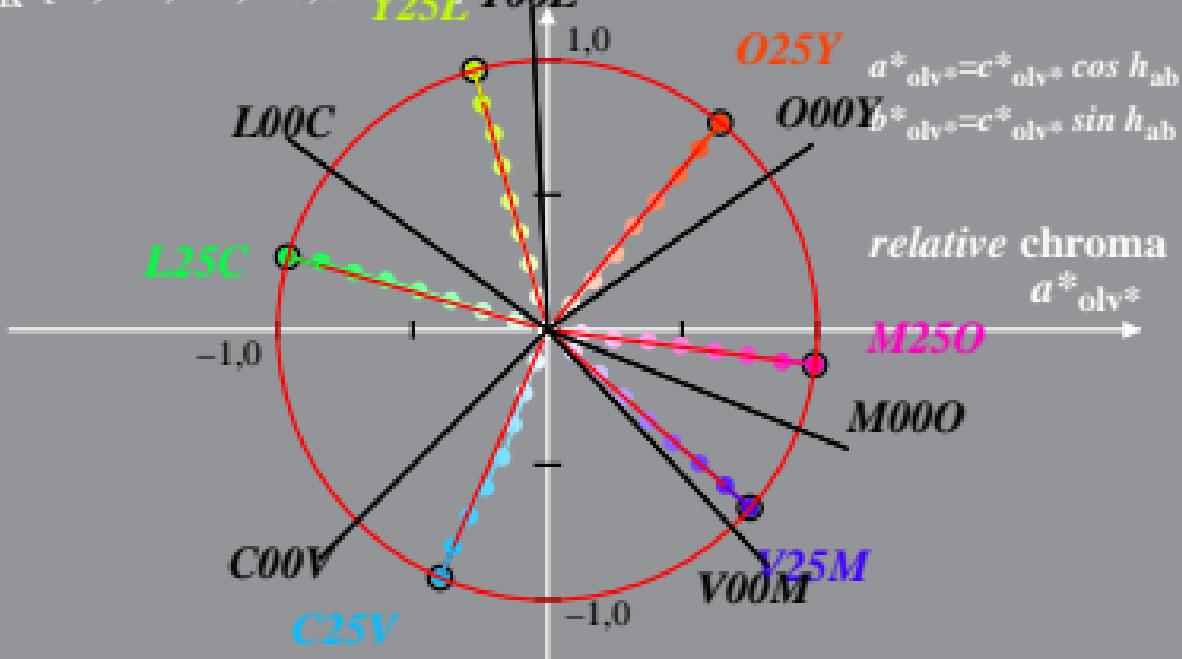
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$$w^* = \min(olv^*) = 1 - d^*$$

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

$$l^*_{olv^*} = w^* + 0,5 c^*_{olv^*}$$

Y25L



relative chroma

$$a^*_{olv^*}$$

$$M25O$$

$$M00O$$

Linear relation olv^* and relative chroma $c^*_{olv^*}$ or chroma $a^*_{olv^*}, b^*_{olv^*}$

System: GE88_FRS09_92_D65_50%_O0

$$c^*_{olv^*} = \max(olv^*) - \min(olv^*)$$

Result: $c^*_{olv^*} = c^*_{lab^*}$; $l^*_{olv^*} = l^*_{lab^*}$

$$n^* = 1 - \max(olv^*) = 1 - i^*$$

CIELAB hue angles:

$$b^*_{olv^*} \quad w^* = \min(olv^*) = 1 - d^*$$

$$h_{ab,d} = [34, 92, 143, 225, 313, 338]$$

$$h_{ab,dx} = [67, 123, 193, 270, 329, 376] \quad Y00L \quad O50Y_{olv^*} = w^* + 0,5 c^*_{olv^*}$$

YS0L

Y00L

O50Y

O00Y

M50O

M00O

V50M

V00M

C50V

C00V

L50C

L00C

YS0L

$$a^*_{olv^*} = c^*_{olv^*} \cos h_{ab}$$

$$b^*_{olv^*} = c^*_{olv^*} \sin h_{ab}$$

relative chroma

$$a^*_{olv^*}$$

M50O

M00O

V50M

V00M

C50V

C00V

L50C

L00C

YS0L

Y00L

O50Y

O00Y

M50O

M00O

V50M

V00M

C50V

C00V

L50C

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Linear relation olv^* and relative chroma $c^*_{olv^*}$ or chroma $a^*_{olv^*}, b^*_{olv^*}$

System: GE88_FRS09_92_D65_50%_O1

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CIELAB hue angles:

$$b^*_{olv^*}$$

$$h_{ab,d} = [34, 92, 143, 225, 313, 338]$$

$$w^* = \min(olv^*) = 1 - d^*$$

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

$$l^*_{olv^*} = w^* + 0,5 c^*_{olv^*}$$

$Y00L$ $Y50L$

$L00C$

$L50C$

$C00V$

$C50V$

$O00Y$

$O50Y$

$M50O$ native chroma

$$a^*_{olv^*}$$

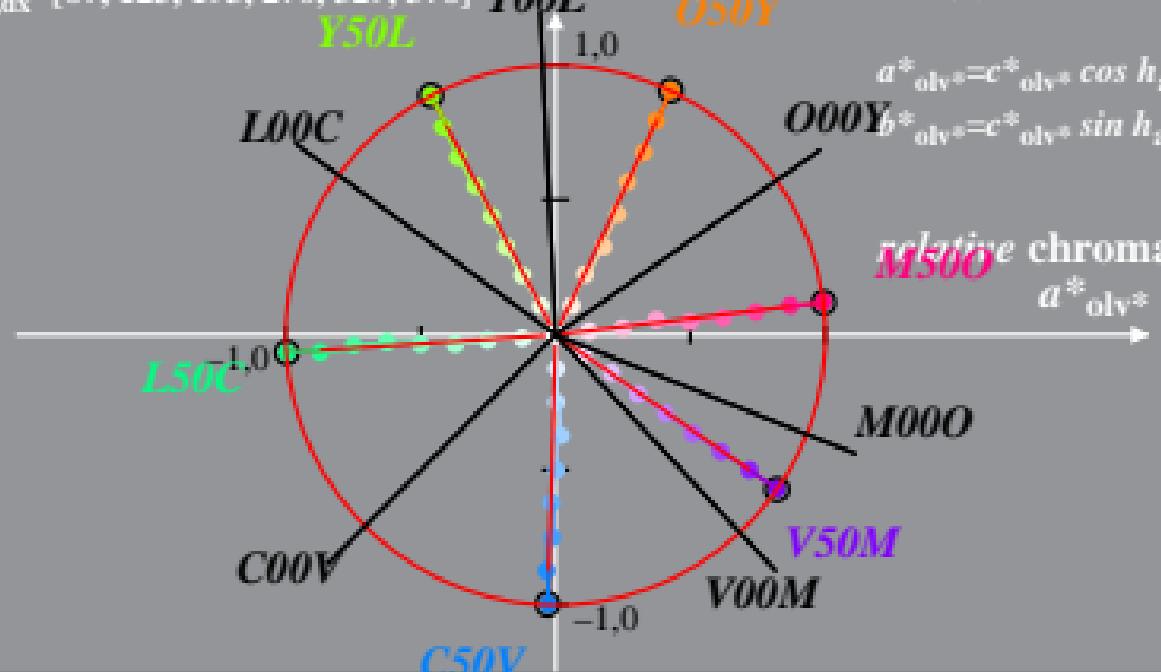
$M00O$

$V50M$

$V00M$

$$a^*_{olv^*} = c^*_{olv^*} \cos h_{ab}$$

$$b^*_{olv^*} = c^*_{olv^*} \sin h_{ab}$$



Linear relation olv^* and relative chroma $c^*_{olv^*}$ or chroma $a^*_{olv^*}, b^*_{olv^*}$

System: GE88_FRS09_92_D65_75%_O0

$$c^*_{olv^*} = \max(olv^*) - \min(olv^*)$$

Result: $c^*_{olv^*} = c^*_{lab^*}$; $l^*_{olv^*} = l^*_{lab^*}$

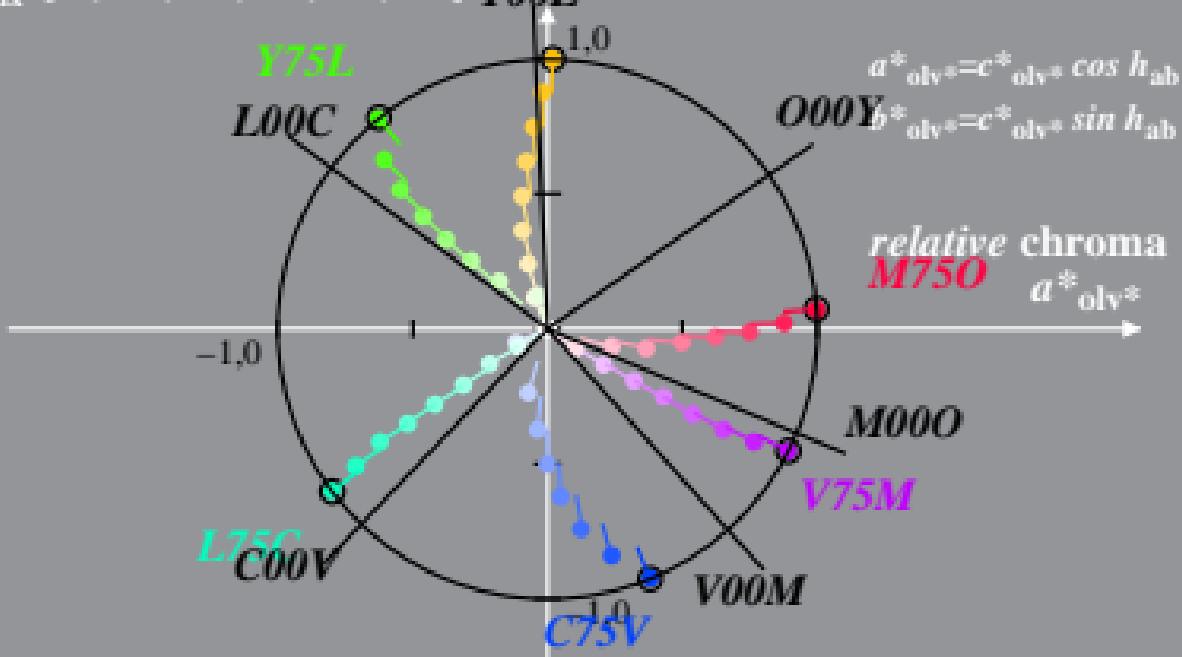
$$n^* = 1 - \max(olv^*) = 1 - i^*$$

CIELAB hue angles:

$$b^*_{olv^*} \quad w^* = \min(olv^*) = 1 - d^*$$

$$h_{ab,d} = [34, 92, 143, 225, 313, 338]$$

$$h_{ab,dx} = [81, 137, 214, 287, 341, 387] \quad Y75L \quad O00Y \quad t^*_{olv^*} = w^* + 0,5 c^*_{olv^*}$$



Linear relation olv^* and relative chroma $c^*_{olv^*}$ or chroma $a^*_{olv^*}, b^*_{olv^*}$

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CIELAB hue angles:

$h_{ab,d} = [34, 92, 143, 225, 313, 338]$

$b^*_{olv^*}$ $w^* = \min(olv^*) = 1 - d^*$

$h_{ab,dx} = [81, 137, 214, 287, 341, 387]$ $Y00L$ $O75Y_{olv^*} = w^* + 0,5 c^*_{olv^*}$

