

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

System: GE85_HRS16_96_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:

$$h_{ab,d} = [33, 99, 153, 224, 297, 346]$$

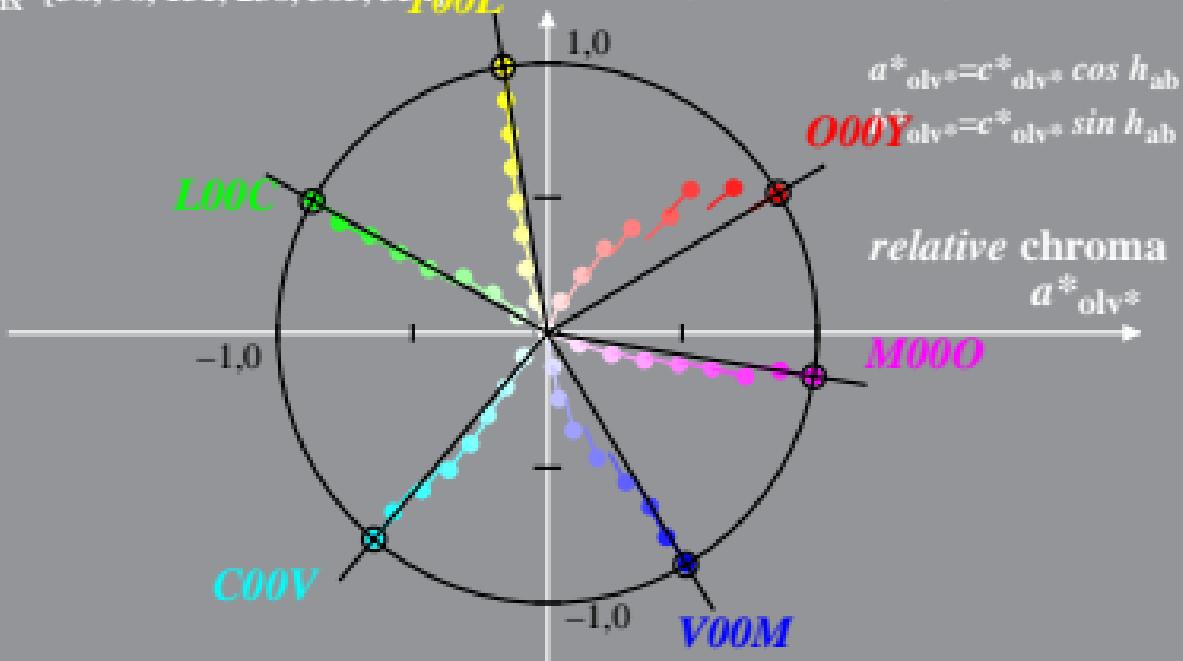
$$h_{ab,dx} = [38, 96, 151, 236, 305, 350]$$

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

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

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

Y00L



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

System: GE85_HRS16_96_D65_00%_O1 $c^*_{olv^*} = \max(olv^*) - \min(olv^*)$

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CIELAB hue angles:

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Y00L

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

$$O00Y_{olv^*} = c^*_{olv^*} \sin h_{ab}$$

relative chroma

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

M00O

L00C

-1,0

1,0

-1,0

-1,0

C00V

V00M

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

System: GE85_HRS16_96_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:

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

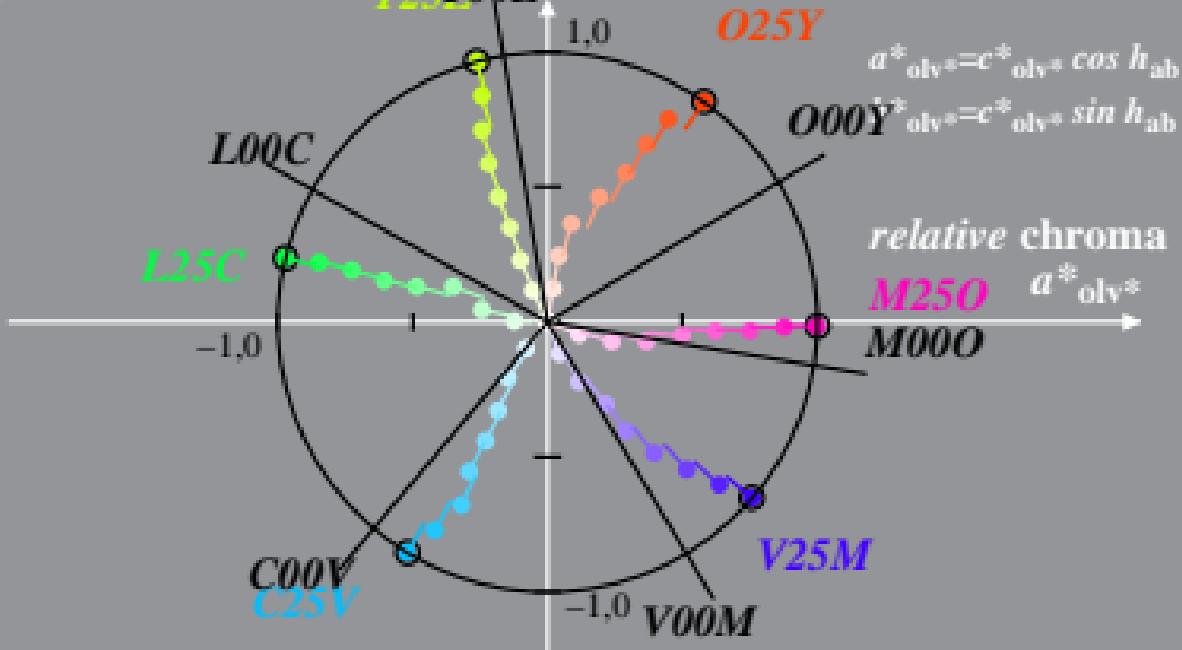
$$h_{ab,d} = [33, 99, 153, 224, 297, 346]$$

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

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

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

Y25Y00L



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

System: GE85_HRS16_96_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:

$$h_{ab,d} = [33, 99, 153, 224, 297, 346]$$

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

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

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

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

Y25L

O25Y

O00Y

relative chroma

M25O $a^*_{olv^*}$

M00O

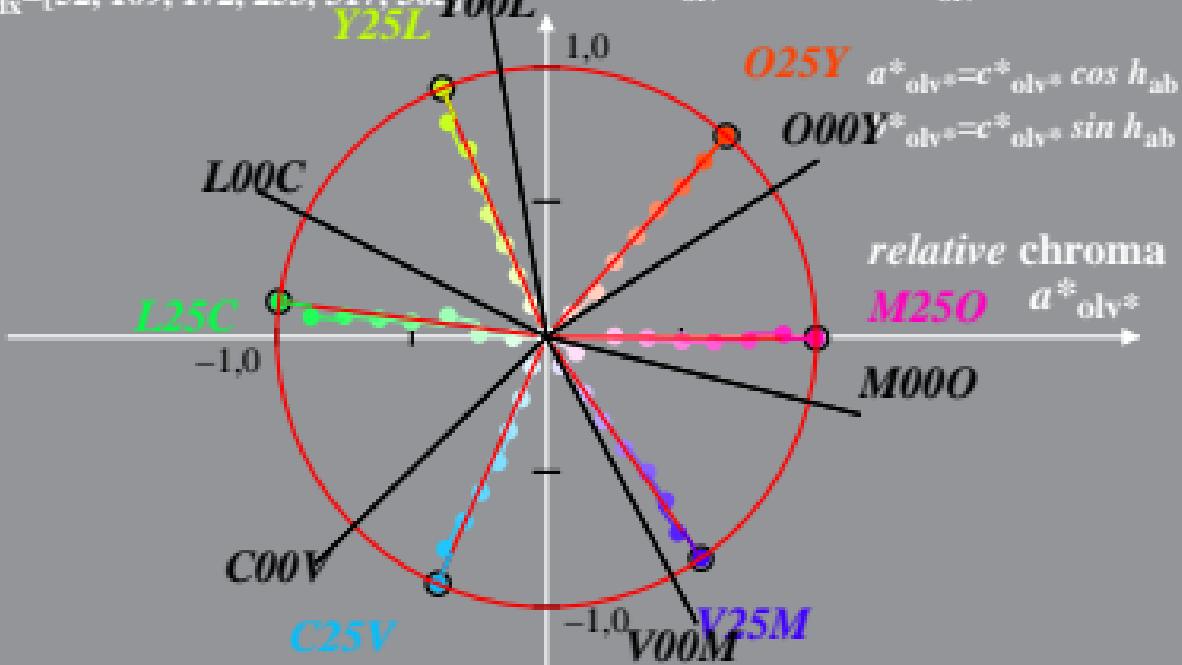
L00C

L25C

C00V

C25V

V00M



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

System: GE85_HRS16_96_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:

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

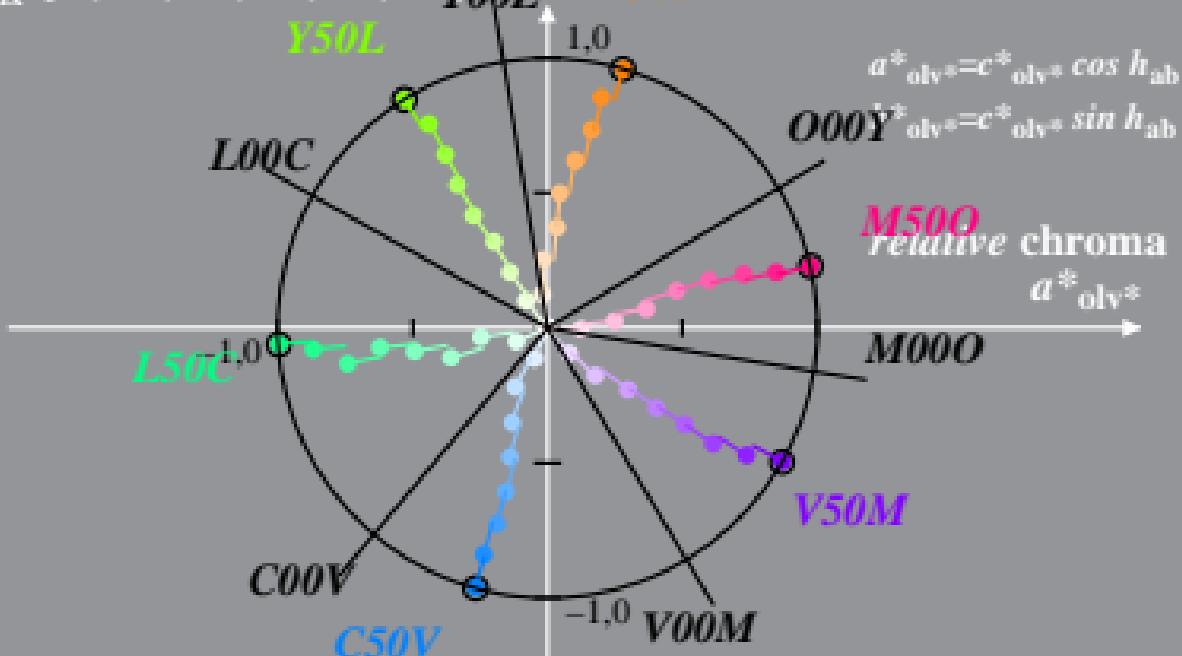
$$w^* = \min(olv^*) = 1 - d^*$$

$$h_{ab,d} = [33, 99, 153, 224, 297, 346]$$

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

$Y00L$

$$O50Y^* = w^* + 0,5 c^*_{olv^*}$$



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

System: GE85_HRS16_96_D65_50%_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:

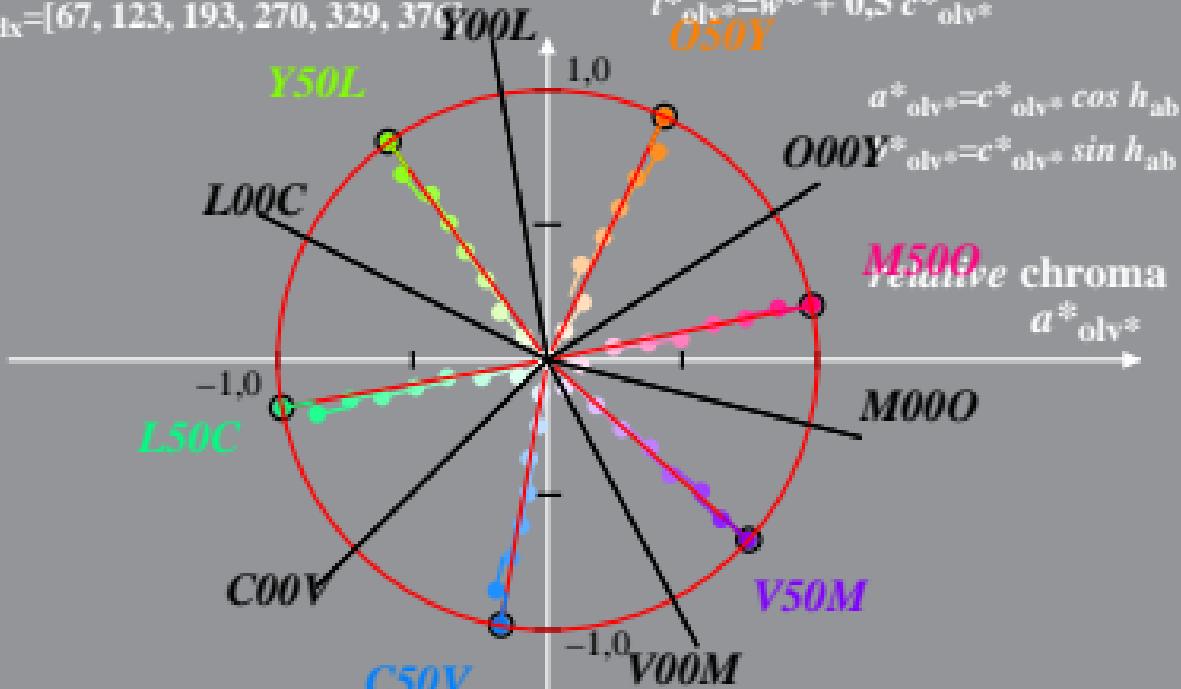
$$b^*_{olv^*}$$

$$h_{ab,d} = [33, 99, 153, 224, 297, 346]$$

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

$$h_{ab,dx} = [67, 123, 193, 270, 329, 370]$$

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



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

$$O00Y^*_{olv^*} = c^*_{olv^*} \sin h_{ab}$$

Relative chroma

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

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

System: GE85_HRS16_96_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:

$$h_{ab,d} = [33, 99, 153, 224, 297, 346]$$

$$h_{ab,dx} = [81, 137, 214, 287, 341, 387]$$

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

$$Y00L \text{ orange } O75Y \text{ yellow } l^*_{olv^*} = w^* + 0,5 c^*_{olv^*}$$

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

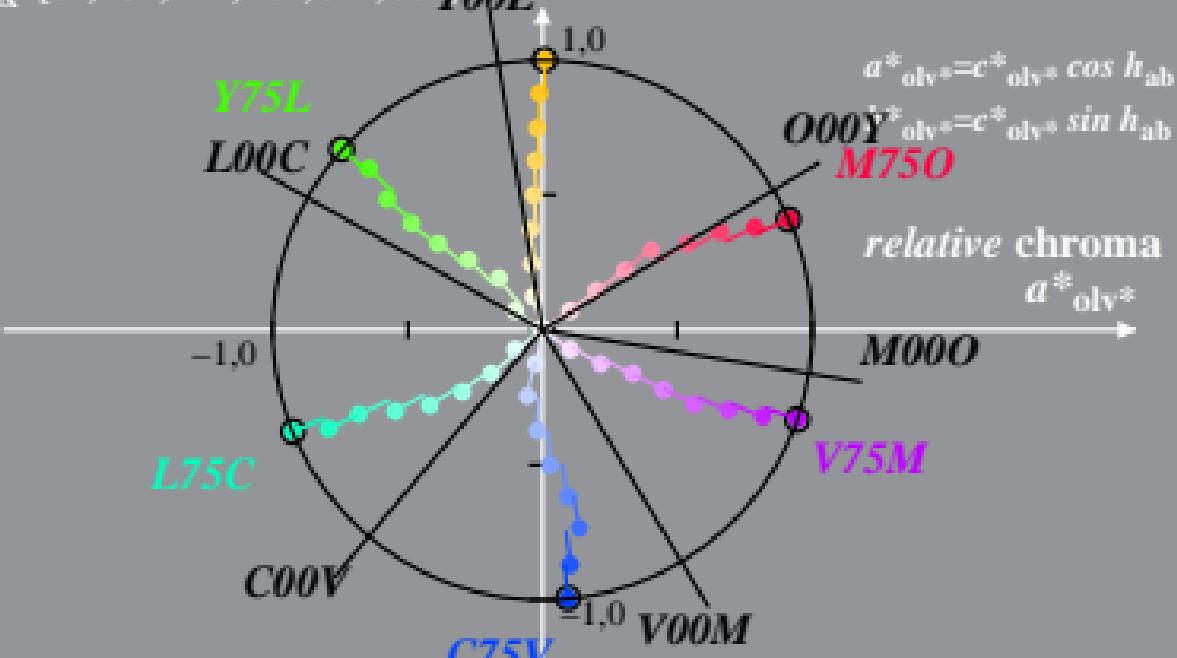
$$O00Y^*_{olv^*} = c^*_{olv^*} \sin h_{ab}$$

relative chroma

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

M000

V75M



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

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CIELAB hue angles:

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$$h_{ab,d} = [33, 99, 153, 224, 297, 346]$$

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