

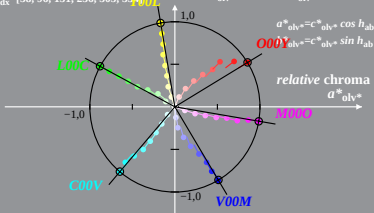
Linear relation olv^* and relative chroma $c^*_{olv^*}$ or chroma $a^*_{olv^*}$, $b^*_{olv^*}$
 System: GE82_HRS16_96_D65_00%_O0
 Result: $c^*_{olv^*}=c^*_{lab^*}$; $t^*_{olv^*}=t^*_{lab^*}$
 CIELAB hue angles:
 $h_{ab,d}=[32, 99, 151, 233, 300, 349]$
 $h_{ab,dx}=[38, 96, 151, 236, 305, 354]$

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

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

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

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



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

System: GE82_HRS16_96_D65_00%_O1

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

CIELAB hue angles:

$h_{ab,d}=[32, 99, 151, 233, 300, 349]$

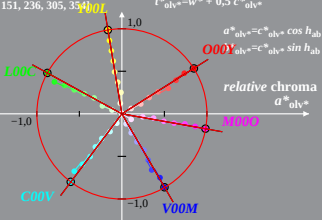
$h_{ab,dx}=[38, 96, 151, 236, 305, 354]$

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

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

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

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



Linear relation olv^* and relative chroma $c^*_{olv^*}$ or chroma $a^*_{olv^*}$, $b^*_{olv^*}$
 System: GE82_HRS16_96_D65_25%_O0
 Result: $c^*_{olv^*}=c^*_{lab^*}$; $t^*_{olv^*}=t^*_{lab^*}$
 CIELAB hue angles:
 $h_{ab,d}=[32, 99, 151, 233, 300, 349]$
 $h_{ab,dx}=[52, 109, 172, 253, 317, 365]$

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

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

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

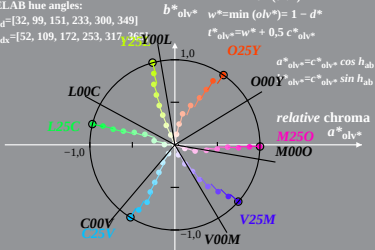
$$t^*_{olv^*} = w^* + 0,5 c^*_{olv^*}$$

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

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

relative chroma

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



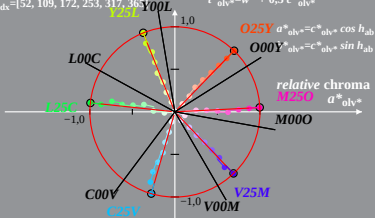
Linear relation olv^* and relative chroma $c^*_{olv^*}$ or chroma $a^*_{olv^*}$, $b^*_{olv^*}$
 System: GE82_HRS16_96_D65_25%_O1
 Result: $c^*_{olv^*}=c^*_{lab^*}$; $t^*_{olv^*}=t^*_{lab^*}$
 CIELAB hue angles:
 $h_{ab,d}=[32, 99, 151, 233, 300, 349]$
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$$c^*_{olv^*} = \max(olv^*) - \min(olv^*)$$

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

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

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



Linear relation olv^* and relative chroma $c^*_{olv^*}$ or chroma $a^*_{olv^*}$, $b^*_{olv^*}$
 System: GE82_HRS16_96_D65_50%_O0
 Result: $c^*_{olv^*}=c^*_{lab^*}$; $t^*_{olv^*}=t^*_{lab^*}$
 $c^*_{olv^*}=\max(olv^*)-\min(olv^*)$
 $n^*=1-\max(olv^*)=1-i^*$
 $w^*=\min(olv^*)=1-d^*$

CIELAB hue angles:

$h_{ab,d}=[32, 99, 151, 233, 300, 349]$

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

$b^*_{olv^*}$

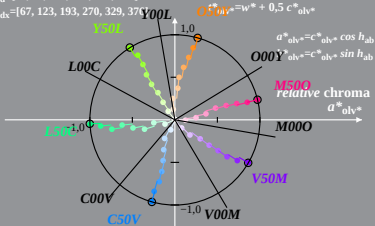
$$w^*_{olv^*}=w^*+0,5c^*_{olv^*}$$

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

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

M500
relative chroma

$a^*_{olv^*}$



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

System: GE82_HRS16_96_D65_50%_O1

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

CIELAB hue angles:

$h_{ab,d}=[32, 99, 151, 233, 300, 349]$

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

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

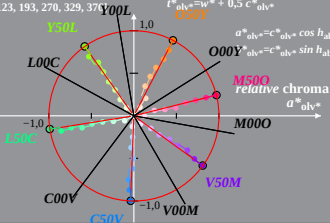
$$n^* = 1 - \max(olv^*) = 1 - i^*$$

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

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

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

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



Linear relation olv^* and relative chroma $c^*_{olv^*}$ or chroma $a^*_{olv^*}$, $b^*_{olv^*}$
 System: GE82_HRS16_96_D65_75%_O0
 Result: $c^*_{olv^*}=c^*_{lab^*}$; $t^*_{olv^*}=t^*_{lab^*}$
 $c^*_{olv^*}=\max(olv^*) - \min(olv^*)$
 $n^*=1 - \max(olv^*)=1 - i^*$
 $w^*=\min(olv^*)=1 - d^*$

CIELAB hue angles:

$h_{ab,d}=[32, 99, 151, 233, 300, 349]$

$h_{ab,dx}=[81, 137, 214, 287, 341, 385]$

$b^*_{olv^*}$

O75Y

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

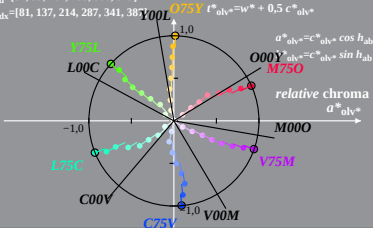
$a^*_{olv^*}=c^*_{olv^*} \cos h_{ab}$

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

M75O

relative chroma

$a^*_{olv^*}$



GE821-8A, 7; cf1=0.90; nt=0.18; nx=1.0

Linear relation olv^* and relative chroma $c^*_{olv^*}$ or chroma $a^*_{olv^*}$, $b^*_{olv^*}$
 System: GE82_HRS16_96_D65_75%_O1
 Result: $c^*_{olv^*}=c^*_{lab^*}$; $t^*_{olv^*}=t^*_{lab^*}$
 $c^*_{olv^*}=\max(olv^*) - \min(olv^*)$
 $n^*=1 - \max(olv^*)=1 - i^*$
 $w^*=\min(olv^*)=1 - d^*$

CIELAB hue angles:

$h_{ab,d}=[32, 99, 151, 233, 300, 349]$

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

$b^*_{olv^*}$

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

