

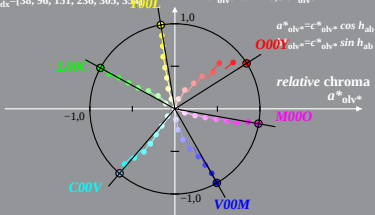
Linear relation olv^* and relative chroma $c^*_{olv^*}$ or chroma $a^*_{olv^*}$, $b^*_{olv^*}$
 System: GE83_HRS16_96_D65_00%_O0
 Result: $c^*_{olv^*}=c^*_{lab^*}$; $t^*_{olv^*}=t^*_{lab^*}$
 CIELAB hue angles:
 $h_{ab,d}=[34, 99, 152, 232, 299, 349]$
 $h_{ab,dx}=[38, 96, 151, 236, 305, 354]$

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

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

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

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



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

System: GE83_HRS16_96_D65_00%_O1

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

CIELAB hue angles:

$h_{ab,d}=[34, 99, 152, 232, 299, 349]$

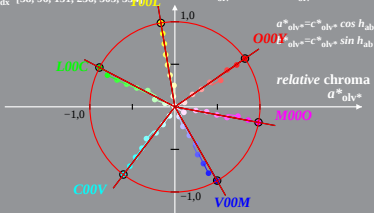
$h_{ab,dx}=[38, 96, 151, 236, 305, 354]$

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

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

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

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



GE831-8A, 2; cf1=0.90; nt=0.18; nx=1.0

$^*_{\text{olv}}$ or chroma a^*_{olv} , b^*_{olv}
$$c^*_{o/v^*} = \max(o/v^*) - \min(o/v^*)$$
$$n^* = 1 - \max(o/v^*) = 1 - i^*$$
$$w^* = \min(o/v^*) = 1 - d^*$$
$$l^*_{o/v} = w^* + 0,5 c^*_{o/v}$$
$$a^{\text{olv}}_{\text{olv}} = c^{\text{olv}}_{\text{olv}} \cos h_{\text{ab}}$$
$$\mathbf{Y}_{\text{olv}}^{\text{ab}} = \mathbf{C}_{\text{olv}}^{\text{ab}} \sin h_{\text{ab}}$$
M250 d^*_{olv}

M000

GE831-8A. 3; cf1=0.90; nt=0.18; nx=1.0

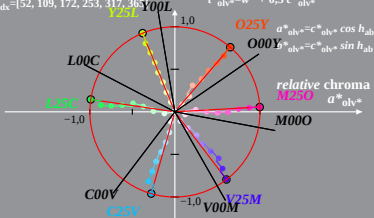
Linear relation olv^* and relative chroma $c^*_{olv^*}$ or chroma $a^*_{olv^*}$, $b^*_{olv^*}$
 System: GE83_HRS16_96_D65_25%_O1
 Result: $c^*_{olv^*}=c^*_{lab^*}$; $t^*_{olv^*}=t^*_{lab^*}$
 CIELAB hue angles:
 $h_{ab,d}=[34, 99, 152, 232, 299, 349]$
 $h_{ab,dx}=[52, 109, 172, 253, 317, 365]$

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

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

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

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



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

System: GE83_HRS16_96_D65_50%_O0

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

CIELAB hue angles:

$h_{ab,d}=[34, 99, 152, 232, 299, 349]$

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

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

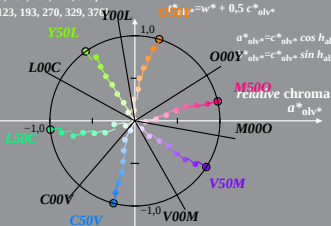
$$n^* = 1 - \max(olv^*) = 1 - i^*$$

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

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

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

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



Linear relation olv^* and relative chroma $c^*_{olv^*}$ or chroma $a^*_{olv^*}$, $b^*_{olv^*}$
 System: GE83_HRS16_96_D65_50%_O1
 Result: $c^*_{olv^*}=c^*_{lab^*}$; $t^*_{olv^*}=t^*_{lab^*}$
 CIELAB hue angles:
 $h_{ab,d}=[34, 99, 152, 232, 299, 349]$
 $h_{ab,dx}=[67, 123, 193, 270, 329, 376]$

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

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

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

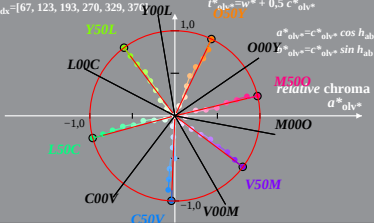
$$t^*_{olv^*} = w^* + 0,5 c^*_{olv^*}$$

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

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

M500
relative chroma

$a^*_{olv^*}$



$^*_{\text{olv}}$ or chroma a^*_{olv} , b^*_{olv}
$$c^*_{o/v^*} = \max(o/v^*) - \min(o/v^*)$$
$$n^* = 1 - \max (o/v^*) = 1 - i^*$$
$$w^* = \min(o/v^*) = 1 - d^*$$
$$l^*_{o/y^*} = w^* + 0,5 c^*_{o/y^*}$$

700T 075Y


$$Y_{\text{gly}}^* = C_{\text{gly}}^* \sin h_{\text{ab}}$$
$$a^*_{\text{obj}}/a^*_{\text{ref}}$$

Linear relation olv^* and relative chroma $c^*_{olv^*}$ or chroma $a^*_{olv^*}$, $b^*_{olv^*}$
 System: GE83_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:

$h_{ab,d}=[34, 99, 152, 232, 299, 349]$

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

$b^*_{olv^*}$

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

