

Linear relation rgb^* and relative chroma $c^*_{rgb^*}$ or chroma $a^*_{rgb^*}, b^*_{rgb^*}$
 System: HE82_HRS16_96_D65_00%_O0

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

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

$h_{ab,ex}=[26, 92, 162, 217, 272, 329]$ **Y00L**

$h_{ab,e}=[26, 92, 162, 217, 272, 329]$ **Y00G J00G**

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

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

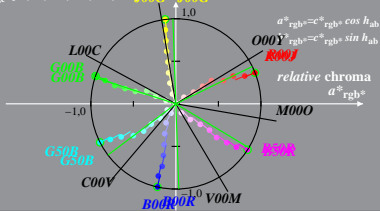
$$w^* = \min(rgb^*) = 1 - d^*$$

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

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

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

relative chroma
 $a^*_{rgb^*}$



Linear relation rgb^* and relative chroma $c^*_{rgb^*}$ or chroma $a^*_{rgb^*}, b^*_{rgb^*}$
 System: HE82_HRS16_96_D65_00%_O1

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

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

$h_{ab,ex}=[26, 92, 162, 217, 272, 329]$ **Y00L**

$h_{ab,e}=[26, 92, 162, 217, 272, 329]$ **J00G J00G**

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

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

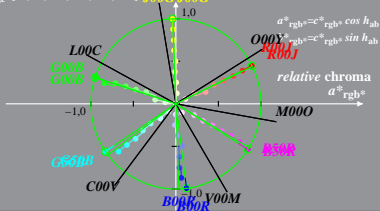
$$w^* = \min(rgb^*) = 1 - d^*$$

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

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

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

relative chroma
 $a^*_{rgb^*}$



Linear relation rgb^* and relative chroma $c^*_{rgb^*}$ or chroma $a^*_{rgb^*}$, $b^*_{rgb^*}$
 System: HE82_HRS16_96_D65_25%_O0

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

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

$h_{ab,ex} = [42, 109, 175, 230, 286, 343]$

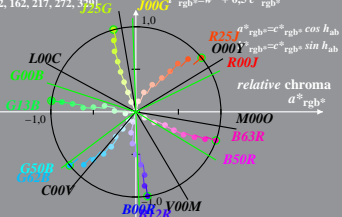
$h_{ab,e} = [26, 92, 162, 217, 272, 329]$

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

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

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

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



Linear relation rgb^* and relative chroma $c^*_{rgb^*}$ or chroma $a^*_{rgb^*}, b^*_{rgb^*}$
 System: HE82_HRS16_96_D65_25%_O1

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

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

$h_{ab,ex}=[42, 109, 175, 230, 286, 343]$

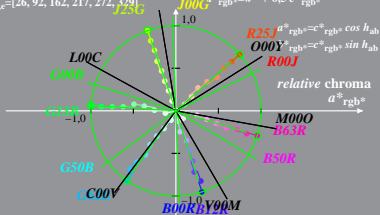
$h_{ab,e}=[26, 92, 162, 217, 272, 329]$

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

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

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

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



Linear relation rgb^* and relative chroma $c^*_{rgb^*}$ or chroma $a^*_{rgb^*}, b^*_{rgb^*}$
 System: HE82_HRS16_96_D65_50%_O0

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

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

$h_{ab,ex}=[59, 127, 189, 244, 300, 357]$

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

$b^*_{rgb^*}$
 Y00L

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

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

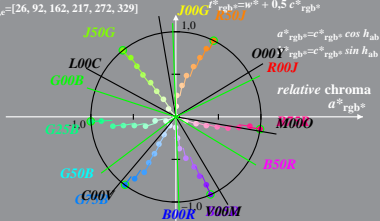
$$w^* = \min(rgb^*) = 1 - d^*$$

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

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

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

relative chroma
 $a^*_{rgb^*}$



Linear relation rgb^* and relative chroma $c^*_{rgb^*}$ or chroma $a^*_{rgb^*}, b^*_{rgb^*}$
 System: HE82_HRS16_96_D65_50%_O1

Result: $c^*_{rgb^*}=c^*_{lab^*}; i^*_{rgb^*}=i^*_{lab^*}$

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

$h_{ab,ex}=[59, 127, 189, 244, 300, 357]$ **Y00L**

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

$b^*_{rgb^*}$

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

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

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

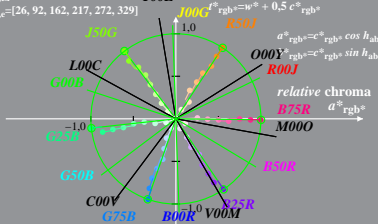
$i^*_{rgb^*}=w^*+0,5 c^*_{rgb^*}$

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

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

relative chroma

$a^*_{rgb^*}$



Linear relation rgb^* and relative chroma $c^*_{rgb^*}$ or chroma $a^*_{rgb^*}, b^*_{rgb^*}$
 System: HE82_HRS16_96_D65_75%_O0

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

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

$h_{ab,ex}=[75, 144, 203, 258, 314, 370]$

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

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

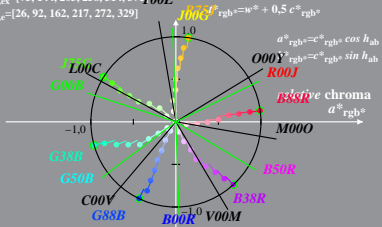
$$n^* = 1 - \max(rgb^*) = 1 - i^*$$

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

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

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

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



Linear relation rgb^* and relative chroma $c^*_{rgb^*}$ or chroma $a^*_{rgb^*}, b^*_{rgb^*}$
 System: HE82_HRS16_96_D65_75%_O1

Result: $e^*_{rgb^*}=c^*_{lab^*}; f^*_{rgb^*}=f^*_{lab^*}$

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

$h_{ab,ex}=[75, 144, 203, 258, 314, 371]$ **Y00L**

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

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

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

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

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

