

Linear relation rgb^* and relative chroma $c^*_{rgb^*}$ or chroma $a^*_{rgb^*}$, $b^*_{rgb^*}$
 System: HE80_HRS16_96_D65_00%_O0

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

$h_{ab,d}=[32, 100, 145, 206, 265, 348]$

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

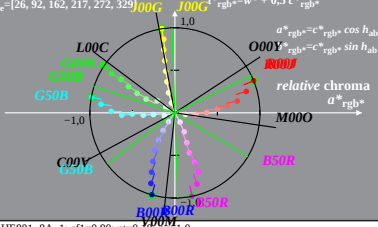
$h_{ab,e}=[26, 92, 162, 217, 272, 329]$ **J00G**

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

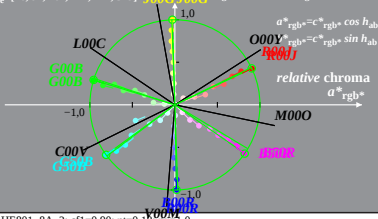
$n^*=1-\max(rgb^*)=1-i^*$

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

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



Linear relation rgb^* and relative chroma $c^*_{rgb^*}$ or chroma $a^*_{rgb^*}$, $b^*_{rgb^*}$
 System: HE80_HRS16_96_D65_00%_O1 $c^*_{rgb^*} = \max(rgb^*) - \min(rgb^*)$
 Result: $c^*_{rgb^*} = c^*_{lab^*}$; $t^*_{rgb^*} = t^*_{lab^*}$ $n^* = 1 - \max(rgb^*) = 1 - i^*$
 $h_{ab,d} = [32, 100, 145, 206, 265, 348]$ $b^*_{rgb^*}$ $w^* = \min(rgb^*) = 1 - d^*$
 $h_{ab,ex} = [26, 92, 162, 217, 272, 329]$ $t^*_{rgb^*} = w^* + 0,5 c^*_{rgb^*}$
 $h_{ab,e} = [26, 92, 162, 217, 272, 329]$ **J00G J00G**



Linear relation rgb^* and relative chroma $c^*_{rgb^*}$ or chroma $a^*_{rgb^*}$, $b^*_{rgb^*}$
 System: HE80_HRS16_96_D65_25%_O0

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

$h_{ab,d}=[32, 100, 145, 206, 265, 348]$

$h_{ab,ex}=[42, 109, 175, 230, 286, 349]$

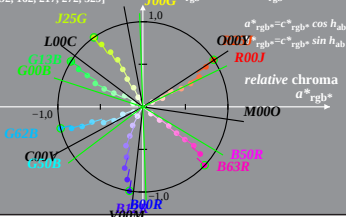
$h_{ab,e}=[26, 92, 162, 217, 272, 329]$

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

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

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

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



Linear relation rgb^* and relative chroma $c^*_{rgb^*}$ or chroma $a^*_{rgb^*}$, $b^*_{rgb^*}$
 System: HE80_HRS16_96_D65_25%_O1 $c^*_{rgb^*} = \max(rgb^*) - \min(rgb^*)$

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

$h_{ab,d} = [32, 100, 145, 206, 265, 348]$

$h_{ab,ex} = [42, 109, 175, 230, 286, 345]$ **Y00L**

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

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

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

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

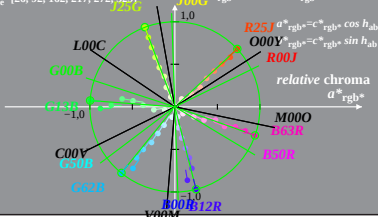
R25J $a^*_{rgb^*} = c^*_{rgb^*} \cos h_{ab}$

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

R00J

relative chroma

$a^*_{rgb^*}$



Linear relation rgb^* and relative chroma $c^*_{rgb^*}$ or chroma $a^*_{rgb^*}$, $b^*_{rgb^*}$
 System: HE80_HRS16_96_D65_50%_O0

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

$h_{ab,d}=[32, 100, 145, 206, 265, 348]$

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

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

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

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

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

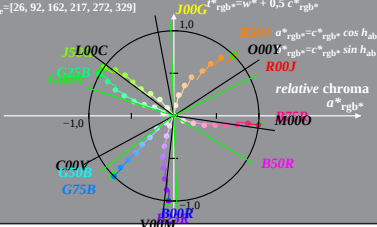
$t^*_{rgb^*}=w^*+0,5 c^*_{rgb^*}$

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

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

relative chroma

$a^*_{rgb^*}$



Linear relation rgb^* and relative chroma $c^*_{rgb^*}$ or chroma $a^*_{rgb^*}$, $b^*_{rgb^*}$
 System: HE80_HRS16_96_D65_50%_O1 $c^*_{rgb^*} = \max(rgb^*) - \min(rgb^*)$

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

$h_{ab,d} = [32, 100, 145, 206, 265, 348]$

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

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

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

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

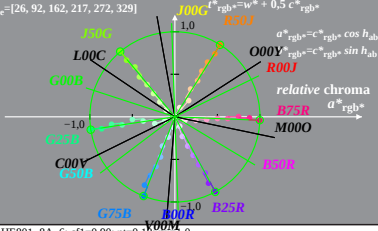
$t^*_{rgb^*} = w^* + 0,5 c^*_{rgb^*}$

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

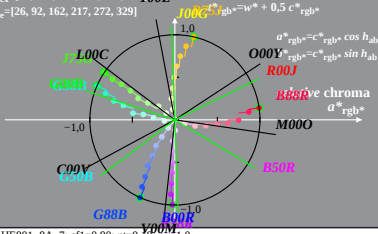
$b^*_{rgb^*} = c^*_{rgb^*} \sin h_{ab}$

relative chroma

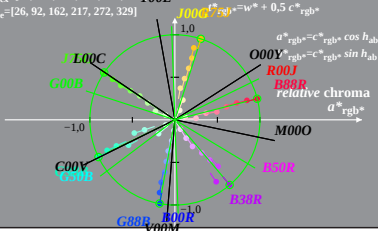
$a^*_{rgb^*}$



Linear relation rgb^* and relative chroma $c^*_{rgb^*}$ or chroma $a^*_{rgb^*}$, $b^*_{rgb^*}$
 System: HE80_HRS16_96_D65_75%_O0
 Result: $c^*_{rgb^*}=c^*_{lab^*}$; $t^*_{rgb^*}=t^*_{lab^*}$
 $h_{ab,d}=[32, 100, 145, 206, 265, 348]$
 $h_{ab,ex}=[75, 144, 203, 258, 314, 370]$
 $h_{ab,e}=[26, 92, 162, 217, 272, 329]$
 $w^*=\min(rgb^*)=1-d^*$
 $t^*_{rgb^*}=w^*+0,5 c^*_{rgb^*}$



Linear relation rgb^* and relative chroma $c^*_{rgb^*}$ or chroma $a^*_{rgb^*}$, $b^*_{rgb^*}$
 System: HE80_HRS16_96_D65_75%_O1 $c^*_{rgb^*} = \max(rgb^*) - \min(rgb^*)$
 Result: $c^*_{rgb^*} = c^*_{lab^*}$; $t^*_{rgb^*} = t^*_{lab^*}$ $n^* = 1 - \max(rgb^*) = 1 - i^*$
 $h_{ab,d} = [32, 100, 145, 206, 265, 348]$ $b^*_{rgb^*}$ $w^* = \min(rgb^*) = 1 - d^*$
 $h_{ab,ex} = [75, 144, 203, 258, 314, 370]$ $t^*_{rgb^*} = w^* + 0,5 c^*_{rgb^*}$
 $h_{ab,e} = [26, 92, 162, 217, 272, 329]$



HE801-8A, 8; cf1=0.90; nt=0.18; nx=1.0