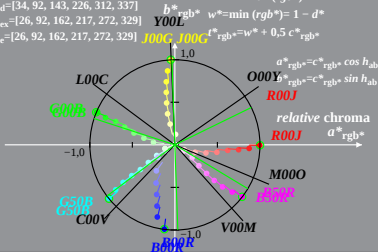
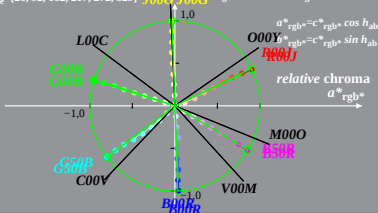


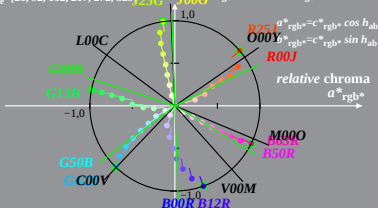
Linear relation rgb^* and relative chroma $c^*_{rgb^*}$ or chroma $a^*_{rgb^*}$, $b^*_{rgb^*}$
 System: HE87_FRS09_92_D65_00%_O0
 Result: $c^*_{rgb^*}=c^*_{lab^*}$; $t^*_{rgb^*}=t^*_{lab^*}$
 $h_{ab,d}=[34, 92, 143, 226, 312, 337]$
 $h_{ab,ex}=[26, 92, 162, 217, 272, 329]$
 $h_{ab,e}=[26, 92, 162, 217, 272, 329]$
 $c^*_{rgb^*}=\max(rgb^*) - \min(rgb^*)$
 $n^*=1 - \max(rgb^*)=1 - i^*$
 $w^*=\min(rgb^*)=1 - d^*$
 $t^*_{rgb^*}=w^* + 0,5 c^*_{rgb^*}$



Linear relation rgb^* and relative chroma $c^*_{rgb^*}$ or chroma $a^*_{rgb^*}$, $b^*_{rgb^*}$
 System: HE87_FRS09_92_D65_00%_O1 $c^*_{rgb^*} = \max(rgb^*) - \min(rgb^*)$
 Result: $c^*_{rgb^*} = c^*_{lab^*}$; $t^*_{rgb^*} = t^*_{lab^*}$ $n^* = 1 - \max(rgb^*) = 1 - i^*$
 $h_{ab,d} = [34, 92, 143, 226, 312, 337]$ $b^*_{rgb^*}$ $w^* = \min(rgb^*) = 1 - d^*$
 $h_{ab,ex} = [26, 92, 162, 217, 272, 329]$ $Y00L$ $t^*_{rgb^*} = w^* + 0,5 c^*_{rgb^*}$
 $h_{ab,e} = [26, 92, 162, 217, 272, 329]$ $J00G J00G$



Linear relation rgb^* and relative chroma $c^*_{rgb^*}$ or chroma $a^*_{rgb^*}$, $b^*_{rgb^*}$
 System: HE87_FRS09_92_D65_25%_O0
 Result: $c^*_{rgb^*}=c^*_{lab^*}$; $t^*_{rgb^*}=t^*_{lab^*}$
 $h_{ab,d}=[34, 92, 143, 226, 312, 337]$
 $h_{ab,ex}=[42, 109, 175, 230, 286, 343]$
 $h_{ab,e}=[26, 92, 162, 217, 272, 329]$
 $c^*_{rgb^*}=\max(rgb^*) - \min(rgb^*)$
 $n^*=1 - \max(rgb^*)=1 - i^*$
 $w^*=\min(rgb^*)=1 - d^*$
 $t^*_{rgb^*}=w^* + 0,5 c^*_{rgb^*}$



Linear relation rgb^* and relative chroma $c^*_{rgb^*}$ or chroma $a^*_{rgb^*}$, $b^*_{rgb^*}$
 System: HE87_FRS09_92_D65_25%_O1

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

$h_{ab,d}=[34, 92, 143, 226, 312, 337]$

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

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

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

J00G

J25G

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

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

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

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

R25J
 O00Y
 R00J

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

B63R
 M00O

B50R

V00M

B00R
 B12R

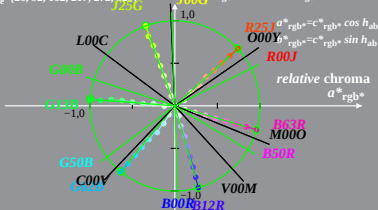
G00B

G13B

G50B

C00V
 G02B

L00C



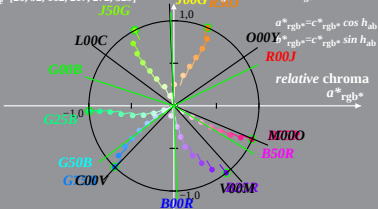
Linear relation rgb^* and relative chroma $c^*_{rgb^*}$ or chroma $a^*_{rgb^*}$, $b^*_{rgb^*}$

System: HE87_FRS09_92_D65_50%_00

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

$$c^*_{rgb^*} = \max (rgb^*) - \min (rgb^*)$$
$$n^* = 1 - \max(\text{rgb}^*) = 1 - i^*$$
$$h_{\text{abd}}=[34, 92, 143, 226, 312, 337]$$
$$h_{ab,ex}=[59, 127, 189, 244, 300, 357]$$
$$h_{\text{obj},g}=[26, 92, 162, 217, 272, 329]$$

**b^*
Y00L**

$$w^* = \min (rgb^*) = 1 - d^*$$
$$t_{rgb}^* = w^* + 0,5 c_{rgb}^*$$


HE871-8A, 5: cf1=0.95; nt=0.18; nx=1.0

Linear relation rgb^* and relative chroma $c^*_{rgb^*}$ or chroma $a^*_{rgb^*}$, $b^*_{rgb^*}$
 System: HE87_FRS09_92_D65_50%_O1 $c^*_{rgb^*} = \max(rgb^*) - \min(rgb^*)$

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

$h_{ab,d} = [34, 92, 143, 226, 312, 337]$

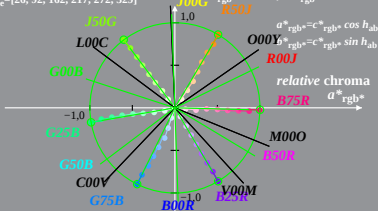
$h_{ab,ex} = [59, 127, 189, 244, 300, 357]$

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

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

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

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



Linear relation rgb^* and relative chroma $c^*_{rgb^*}$ or chroma $a^*_{rgb^*}$, $b^*_{rgb^*}$
 System: HE87_FRS09_92_D65_75%_O0

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

$h_{ab,d}=[34, 92, 143, 226, 312, 337]$

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

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

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

R00G

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

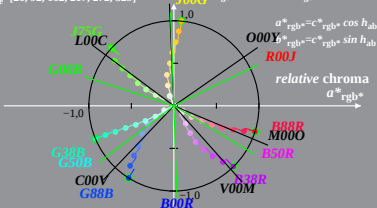
$t^*_{rgb^*}=w^*+0,5 c^*_{rgb^*}$

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

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

relative chroma

$a^*_{rgb^*}$



Linear relation rgb^* and relative chroma $c^*_{rgb^*}$ or chroma $a^*_{rgb^*}$, $b^*_{rgb^*}$
 System: HE87_FRS09_92_D65_75%_O1 $c^*_{rgb^*} = \max(rgb^*) - \min(rgb^*)$
 Result: $c^*_{rgb^*} = c^*_{lab^*}$; $t^*_{rgb^*} = t^*_{lab^*}$ $n^* = 1 - \max(rgb^*) = 1 - i^*$
 $h_{ab,d} = [34, 92, 143, 226, 312, 337]$ $b^*_{rgb^*}$ $w^* = \min(rgb^*) = 1 - d^*$
 $h_{ab,ex} = [75, 144, 203, 258, 314, 371]$ $Y00L$ $c^*_{rgb^*} = w^* + 0,5 c^*_{rgb^*}$
 $h_{ab,e} = [26, 92, 162, 217, 272, 329]$

