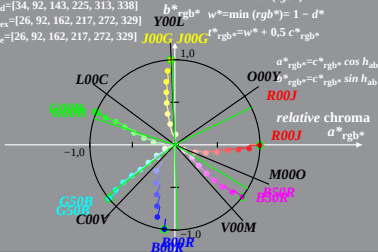
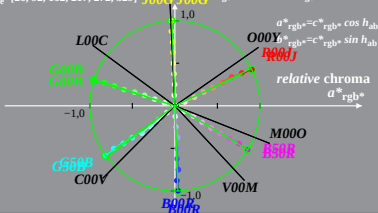


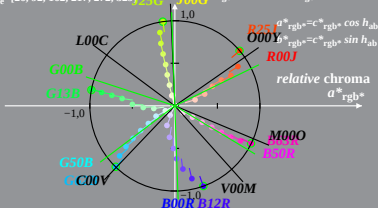
Linear relation  $rgb^*$  and relative chroma  $c^*_{rgb^*}$  or chroma  $a^*_{rgb^*}$ ,  $b^*_{rgb^*}$   
 System: HE88\_FRS09\_92\_D65\_00%\_O0  
 Result:  $c^*_{rgb^*}=c^*_{lab^*}$ ;  $t^*_{rgb^*}=t^*_{lab^*}$   
 $h_{ab,d}=[34, 92, 143, 225, 313, 338]$   
 $h_{ab,ex}=[26, 92, 162, 217, 272, 329]$   
 $h_{ab,e}=[26, 92, 162, 217, 272, 329]$   
 $c^*_{rgb^*}=\max(rgb^*) - \min(rgb^*)$   
 $n^*=1 - \max(rgb^*)=1 - i^*$   
 $w^*=\min(rgb^*)=1 - d^*$   
 $t^*_{rgb^*}=w^* + 0,5 c^*_{rgb^*}$



Linear relation  $rgb^*$  and relative chroma  $c^*_{rgb^*}$  or chroma  $a^*_{rgb^*}$ ,  $b^*_{rgb^*}$   
 System: HE88\_FRS09\_92\_D65\_00%\_O1  $c^*_{rgb^*} = \max(rgb^*) - \min(rgb^*)$   
 Result:  $c^*_{rgb^*} = c^*_{lab^*}$ ;  $t^*_{rgb^*} = t^*_{lab^*}$   $n^* = 1 - \max(rgb^*) = 1 - i^*$   
 $h_{ab,d} = [34, 92, 143, 225, 313, 338]$   $b^*_{rgb^*}$   $w^* = \min(rgb^*) = 1 - d^*$   
 $h_{ab,ex} = [26, 92, 162, 217, 272, 329]$  **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: HE88\_FRS09\_92\_D65\_25%\_O0  
 Result:  $c^*_{rgb^*}=c^*_{lab^*}$ ;  $t^*_{rgb^*}=t^*_{lab^*}$   
 $h_{ab,d}=[34, 92, 143, 225, 313, 338]$   
 $h_{ab,ex}=[42, 109, 175, 230, 286, 343]$   
 $h_{ab,e}=[26, 92, 162, 217, 272, 329]$   
 $c^*_{rgb^*}=\max(rgb^*) - \min(rgb^*)$   
 $n^*=1 - \max(rgb^*)=1 - i^*$   
 $w^*=\min(rgb^*)=1 - d^*$   
 $t^*_{rgb^*}=w^* + 0,5 c^*_{rgb^*}$



Linear relation  $rgb^*$  and relative chroma  $c^*_{rgb^*}$  or chroma  $a^*_{rgb^*}$ ,  $b^*_{rgb^*}$   
 System: HE88\_FRS09\_92\_D65\_25%\_O1

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

$h_{ab,d}=[34, 92, 143, 225, 313, 338]$

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

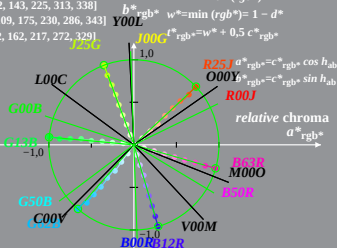
$h_{ab,e}=[26, 92, 162, 217, 272, 329]$

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

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

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

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



Linear relation  $rgb^*$  and relative chroma  $c^*_{rgb^*}$  or chroma  $a^*_{rgb^*}$ ,  $b^*_{rgb^*}$   
 System: HE88\_FRS09\_92\_D65\_50%\_O0

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

$h_{ab,d}=[34, 92, 143, 225, 313, 338]$

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

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

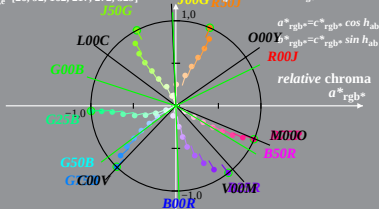
$b^*_{rgb^*}$   
 Y00L

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

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

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

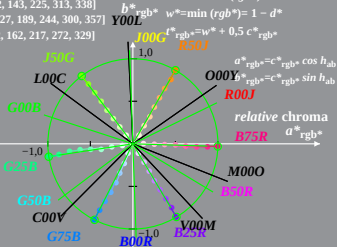
$t^*_{rgb^*}=w^*+0,5 c^*_{rgb^*}$



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

System: HE88\_FRS09\_92\_D65\_50%\_O1

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

$$h_{j,b,d}=[34, 92, 143, 225, 313, 338]$$
$$h_{gh,ex}=[59, 127, 189, 244, 300, 357]$$
$$h_{ab,c}=[26, 92, 162, 217, 272, 329]$$
$$c^*_{rgb^*} = \max (rgb^*) - \min (rgb^*)$$
$$n^* = 1 - \max(r, g, b^*) = 1 - i^*$$
$$w^* = \min (rab^*) = 1 - d^*$$
$$t^*_{rgb} = w^* + 0,5 c^*_{rgb}$$


HE881-8A, 6; cf1=0.90; nt=0.18; nx=1.0

Linear relation  $rgb^*$  and relative chroma  $c^*_{rgb^*}$  or chroma  $a^*_{rgb^*}$ ,  $b^*_{rgb^*}$   
 System: HE88\_FRS09\_92\_D65\_75%\_O0

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

$h_{ab,d}=[34, 92, 143, 225, 313, 338]$

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

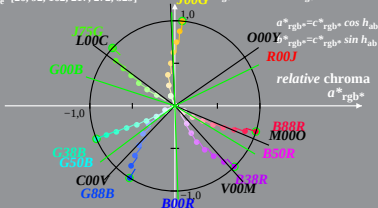
$h_{ab,e}=[26, 92, 162, 217, 272, 329]$

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

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

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

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



Linear relation  $rgb^*$  and relative chroma  $c^*_{rgb^*}$  or chroma  $a^*_{rgb^*}$ ,  $b^*_{rgb^*}$   
 System: HE88\_FRS09\_92\_D65\_75%\_O1  $c^*_{rgb^*} = \max(rgb^*) - \min(rgb^*)$   
 Result:  $c^*_{rgb^*} = c^*_{lab^*}$ ;  $t^*_{rgb^*} = t^*_{lab^*}$   $n^* = 1 - \max(rgb^*) = 1 - i^*$   
 $h_{ab,d} = [34, 92, 143, 225, 313, 338]$   $b^*_{rgb^*}$   $w^* = \min(rgb^*) = 1 - d^*$   
 $h_{ab,ex} = [75, 144, 203, 258, 314, 371]$   $Y00L$   $c^*_{rgb^*} = w^* + 0,5 c^*_{rgb^*}$   
 $h_{ab,e} = [26, 92, 162, 217, 272, 329]$

