

Linear relation  $rgb^*$  and relative chroma  $c_{rgb}^*$  and triangle lightness  $t_{rgb}^*$   
 System: HE80\_HRS16\_96\_D65\_00%\_O0

Hue:  $h_{G00B}^* = 162/360$ ;  $h_{B50R_{br}}^* = 329/360$

Result:  $c_{rgb}^* = c_{lab}^*$ ;  $t_{rgb}^* = t_{lab}^*$

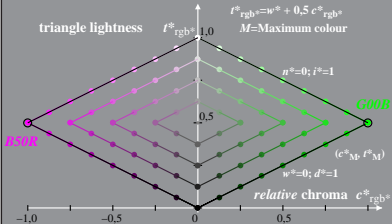
$c_{rgb}^* = \max(rgb^*) - \min(rgb^*)$

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

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

$t_{rgb}^* = w^* + 0,5 c_{rgb}^*$

$M = \text{Maximum colour}$



HE801-7A, 1; cf1=0.90; nt=0.18; nx=1.0

Linear relation  $rgb^*$  and relative chroma  $c^*_{rgb^*}$  and triangle lightness  $t^*_{rgb^*}$   
 System: HE80\_HRS16\_96\_D65\_00%\_O1

Hue:  $h^*_{G00B}=162/360$ ;  $h^*_{B50R_{br}}=329/360$

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

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

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

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

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

$M$ =Maximum colour

triangle lightness

$t^*_{rgb^*}$

$n^*=0; i^*=1$

**G00B**

**B50R**

$(c^*_M, t^*_M)$

$w^*=0; d^*=1$

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

-1,0

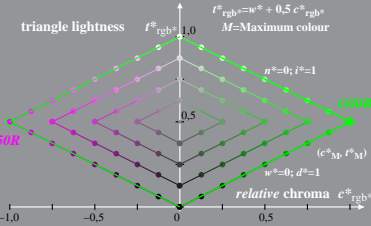
-0,5

0

0,5

1,0

HE801-7A, 2; cf1=0.90; nt=0.18; nx=1.0



Linear relation  $rgb^*$  and relative chroma  $c_{rgb}^*$  and triangle lightness  $t_{rgb}^*$   
 System: HE80\_HRS16\_96\_D65\_25%\_O0

Hue:  $h_{G13B}^* = 175/360$ ;  $h_{B63R_{br}}^* = 343/360$

Result:  $c_{rgb}^* = c_{lab}^*$ ;  $t_{rgb}^* = t_{lab}^*$

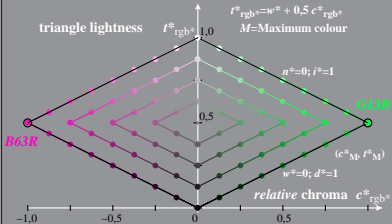
$c_{rgb}^* = \max(rgb^*) - \min(rgb^*)$

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

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

$t_{rgb}^* = w^* + 0,5 c_{rgb}^*$

$M = \text{Maximum colour}$



HE801-7A, 3; cf1=0.90; nt=0.18; nx=1.0

Linear relation  $rgb^*$  and relative chroma  $c_{rgb}^*$  and triangle lightness  $t_{rgb}^*$   
 System: HE80\_HRS16\_96\_D65\_25%\_O1

Hue:  $h_{G13B}^* = 175/360$ ;  $h_{B63R_{br}}^* = 343/360$

Result:  $c_{rgb}^* = c_{lab}^*$ ;  $t_{rgb}^* = t_{lab}^*$

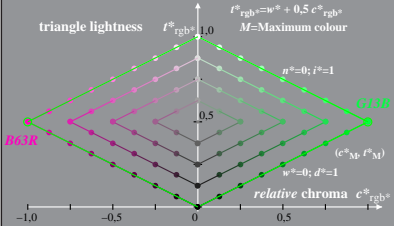
$c_{rgb}^* = \max(rgb^*) - \min(rgb^*)$

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

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

$t_{rgb}^* = w^* + 0,5 c_{rgb}^*$

$M = \text{Maximum colour}$



Linear relation  $rgb^*$  and *relative chroma*  $c_{rgb}^*$  and *triangle lightness*  $t_{rgb}^*$   
 System: HE80\_HRS16\_96\_D65\_50%\_O0

Hue:  $h_{G25B}^* = 189/360$ ;  $h_{B75R_{br}}^* = 357/360$

Result:  $c_{rgb}^* = c_{lab}^*$ ;  $t_{rgb}^* = t_{lab}^*$

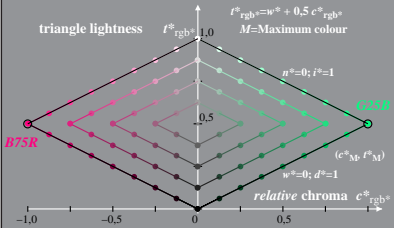
$c_{rgb}^* = \max(rgb^*) - \min(rgb^*)$

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

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

$t_{rgb}^* = w^* + 0,5 c_{rgb}^*$

$M = \text{Maximum colour}$



Linear relation  $rgb^*$  and relative chroma  $c_{rgb}^*$  and triangle lightness  $t_{rgb}^*$   
 System: HE80\_HRS16\_96\_D65\_50%\_O1

Hue:  $h_{G25B}^* = 189/360$ ;  $h_{B75R_{br}}^* = 357/360$

Result:  $c_{rgb}^* = c_{lab}^*$ ;  $t_{rgb}^* = t_{lab}^*$

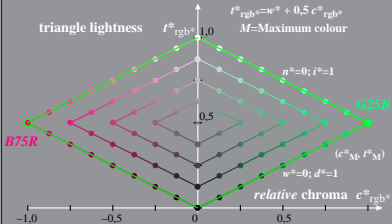
$c_{rgb}^* = \max(rgb^*) - \min(rgb^*)$

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

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

$t_{rgb}^* = w^* + 0,5 c_{rgb}^*$

$M = \text{Maximum colour}$



HE801-7A, 6; cf1=0.90; nt=0.18; nx=1.0

Linear relation  $rgb^*$  and relative chroma  $c_{rgb}^*$  and triangle lightness  $t_{rgb}^*$   
 System: HE80\_HRS16\_96\_D65\_75%\_O0

Hue:  $h_{G38B}^* = 203/360$ ;  $h_{B88R_{br}}^* = 371/360$

Result:  $c_{rgb}^* = c_{lab}^*$ ;  $t_{rgb}^* = t_{lab}^*$

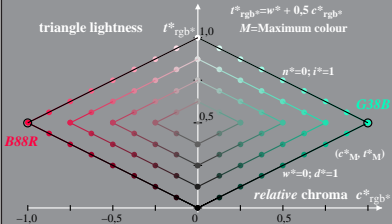
$c_{rgb}^* = \max(rgb^*) - \min(rgb^*)$

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

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

$t_{rgb}^* = w^* + 0,5 c_{rgb}^*$

$M = \text{Maximum colour}$



HE801-7A, 7; cf1=0.90; nt=0.18; nx=1.0

Linear relation  $rgb^*$  and relative chroma  $c_{rgb}^*$  and triangle lightness  $t_{rgb}^*$   
 System: HE80\_HRS16\_96\_D65\_75%\_O1

Hue:  $h_{G38B}^* = 203/360$ ;  $h_{B88R_{br}}^* = 371/360$

Result:  $c_{rgb}^* = c_{lab}^*$ ;  $t_{rgb}^* = t_{lab}^*$

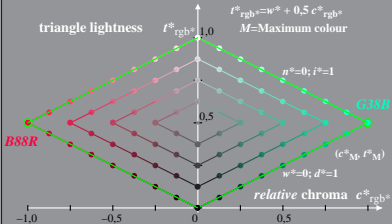
$c_{rgb}^* = \max(rgb^*) - \min(rgb^*)$

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

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

$t_{rgb}^* = w^* + 0,5 c_{rgb}^*$

$M = \text{Maximum colour}$



HE801-7A, 8; cf1=0.90; nt=0.18; nx=1.0