

Linear relation  $rgb^*$  and *relative chroma*  $c_{rgb}^*$  and triangle lightness  $t_{rgb}^*$   
 System: HE82\_HRS16\_96\_D65\_00%\_O0

Hue:  $h_{R00J}^* = 26/360$ ;  $h_{G50B_{gb}}^* = 217/360$

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

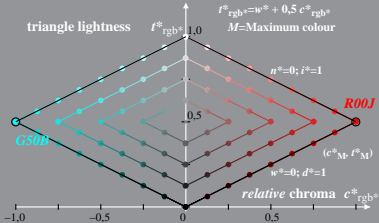
$c_{rgb}^* = \max(rgb^*) - \min(rgb^*)$

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

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

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

$M = \text{Maximum colour}$



HE821-5A, 1; cfl=0.90; nt=0.18; nx=1.0

Linear relation  $rgb^*$  and relative chroma  $c_{rgb}^*$  and triangle lightness  $t_{rgb}^*$   
 System: HE82\_HRS16\_96\_D65\_00%\_O1

Hue:  $h_{R00J}^* = 26/360$ ;  $h_{G50B_{gb}}^* = 217/360$

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

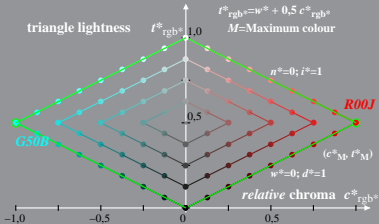
$c_{rgb}^* = \max(rgb^*) - \min(rgb^*)$

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

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

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

$M = \text{Maximum colour}$



HE821-5A, 2; cf1=0.90; nt=0.18; nx=1.0

Linear relation  $rgb^*$  and *relative chroma*  $c_{rgb}^*$  and triangle lightness  $t_{rgb}^*$   
 System: HE82\_HRS16\_96\_D65\_25%\_O0

Hue:  $h_{R25J}^* = 42/360$ ;  $h_{G62B_{gb}}^* = 230/360$

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

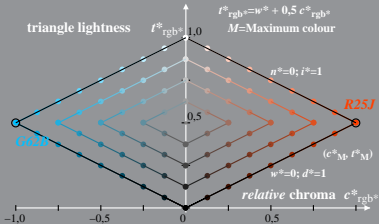
$c_{rgb}^* = \max(rgb^*) - \min(rgb^*)$

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

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

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

$M = \text{Maximum colour}$



HE821-5A, 3; cf1=0.90; nt=0.18; nx=1.0

Linear relation  $rgb^*$  and relative chroma  $c^*_{rgb^*}$  and triangle lightness  $t^*_{rgb^*}$   
 System: HE82\_HRS16\_96\_D65\_25%\_O1

Hue:  $h^*_{R25J}=42/360$ ;  $h^*_{G62B}=230/360$

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

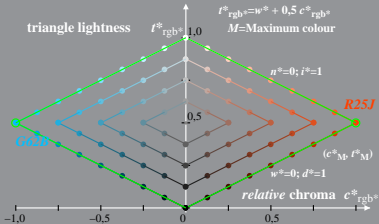
$c^*_{rgb^*} = \max(rgb^*) - \min(rgb^*)$

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

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

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

$M$ =Maximum colour



HE821-5A, 4; cf1=0.90; nt=0.18; nx=1.0

Linear relation  $rgb^*$  and relative chroma  $c_{rgb}^*$  and triangle lightness  $t_{rgb}^*$   
 System: HE82\_HRS16\_96\_D65\_50%\_O0

Hue:  $h_{R50J}^* = 59/360$ ;  $h_{G75B_{gb}}^* = 244/360$

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

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

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

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

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

$M = \text{Maximum colour}$

triangle lightness  $t_{rgb}^*$

1,0

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

*R50J*

*G75B*

0,5

$(c_M^*, t_M^*)$

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

relative chroma  $c_{rgb}^*$

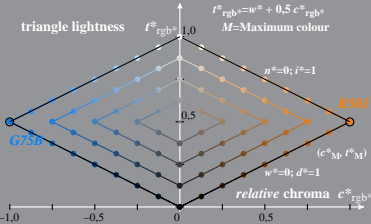
-1,0

-0,5

0

0,5

HE821-5A, 5; cf1=0.90; nt=0.18; nx=1.0



Linear relation  $rgb^*$  and relative chroma  $c_{rgb}^*$  and triangle lightness  $t_{rgb}^*$   
 System: HE82\_HRS16\_96\_D65\_50%\_O1

Hue:  $h_{R50J}^* = 59/360$ ;  $h_{G75B_{gb}}^* = 244/360$

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

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

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

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

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

$M = \text{Maximum colour}$

triangle lightness  $t_{rgb}^*$

$t_{rgb}^*$

1,0

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

*R50J*

*G75B*

$(c_M^*, t_M^*)$

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

relative chroma  $c_{rgb}^*$

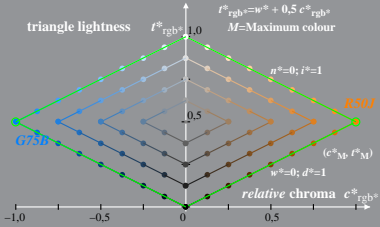
-1,0

-0,5

0

0,5

HE821-5A, 6; cf1=0.90; nt=0.18; nx=1.0



Linear relation  $rgb^*$  and *relative chroma*  $c^*_{rgb^*}$  and triangle lightness  $t^*_{rgb^*}$   
 System: HE82\_HRS16\_96\_D65\_75%\_O0

Hue:  $h^*_{R75J}=75/360$ ;  $h^*_{G88B}=258/360$

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

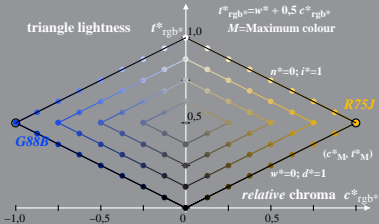
$c^*_{rgb^*} = \max(rgb^*) - \min(rgb^*)$

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

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

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

$M$ =Maximum colour



HE821-5A, 7; cf1=0.90; nt=0.18; nx=1.0

Linear relation  $rgb^*$  and relative chroma  $c_{rgb}^*$  and triangle lightness  $t_{rgb}^*$   
 System: HE82\_HRS16\_96\_D65\_75%\_O1

Hue:  $h_{R75J}^* = 75/360$ ;  $h_{G88B_{gb}}^* = 258/360$

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

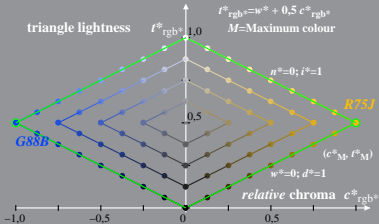
$c_{rgb}^* = \max(rgb^*) - \min(rgb^*)$

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

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

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

$M = \text{Maximum colour}$



HE821-5A, 8; cf1=0.90; nt=0.18; nx=1.0