

Linear relation rgb^* and relative chroma $c^*_{rgb^*}$ and triangle lightness $t^*_{rgb^*}$

System: ORS18a

Hue: $h^*_G = 162/360$; $h^*_M = 329/360$

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

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

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

triangle lightness

$t^*_{rgb^*}$

M_{br}

G

0,5

(c^*_M, t^*_M)

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

-1,0

-0,5

0

0,5

1,0