

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

System: ORS18a

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

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

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

CIELAB hue angles:

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

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

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

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

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

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

