

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

System: ORS18a

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

Interpretation: $rgb \rightarrow rgb^*$

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

CIELAB hue angles:

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

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

$b^*_{rgb^*}$

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

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

J

1,0

R

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

-1,0

1,0

G

C_{gb}

M_{br}

B

-1,0