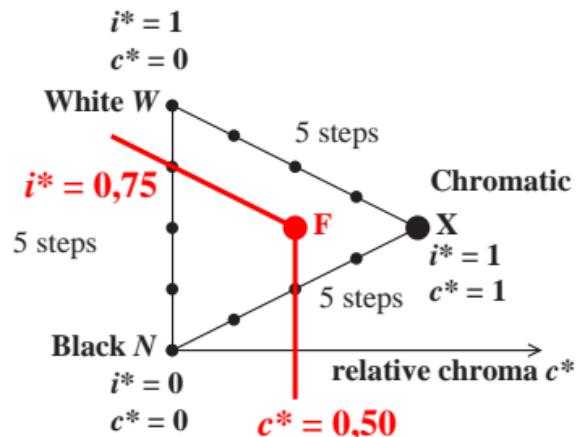


User friendly colorimetric colour notation icu^* and linear relation to the relative rgb^* colour data

i^* * relative brilliantness

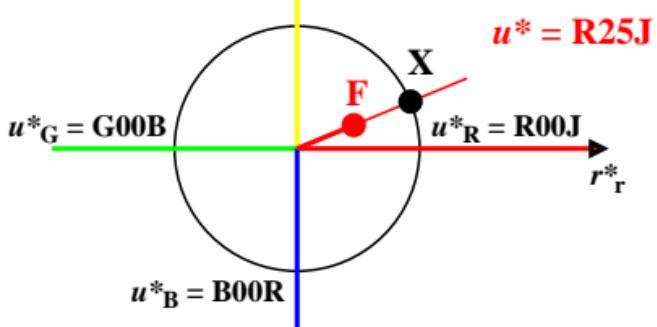
c^* * relative chroma

u^* * elementary (unique) hue text



*relative opponent (r^*_r, j^*_r) chroma*

$$u^*J = J00G \Delta j^*_r$$

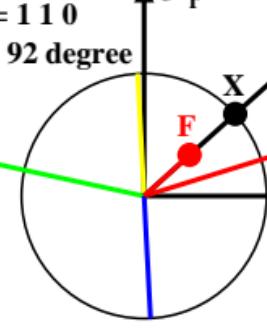


*relative trichromatic CIELAB (a^*_r, b^*_r) chroma*

$$\begin{aligned}rgb^*_J &= 1\ 1\ 0 \\ h_{ab,J} &= 92 \text{ degree}\end{aligned}$$

$$\begin{aligned}rgb^*_X &= 1\ 0,25\ 0 \\ h_{ab,X} &= 42 \text{ degree} \\ &= (25 + 0,25 * 67) \text{ degree}\end{aligned}$$

$$\begin{aligned}rgb^*_G &= 0\ 1\ 0 \\ h_{ab,G} &= 162 \text{ degree}\end{aligned}$$



$$\begin{aligned}rgb^*_R &= 1\ 0\ 0 \\ h_{ab,R} &= 25 \text{ degree}\end{aligned}$$

$$\begin{aligned}\text{colour F: } &a^*_r \\ &rgb^* = 0,75\ 0,375\ 0,25 \\ &i^* = r^* = 0,75 \\ &c^* = r^* - b^* = 0,50\end{aligned}$$

example for colour notation:

$icu^* = 0,75\ 0,50\ R25J$