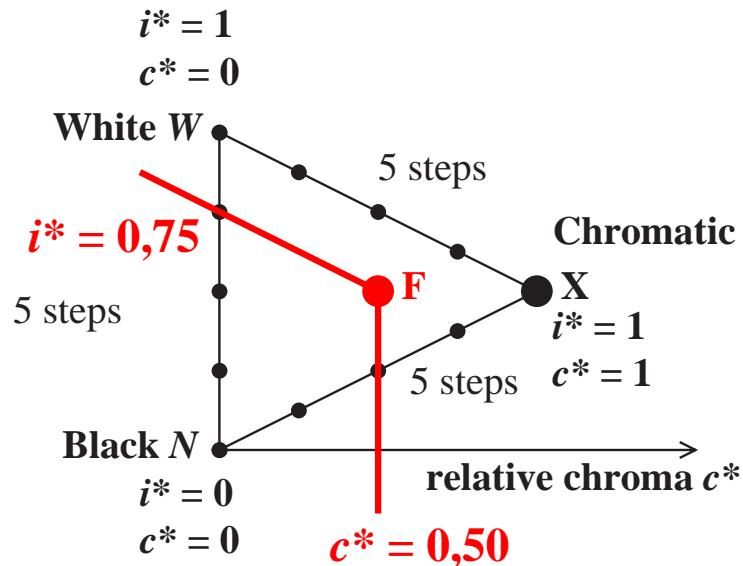


# User friendly colorimetric colour notation $icu^*$ and linear relation to the relative $rgb^*$ colour data

$i^*$  relative brilliance

$c^*$  relative chroma

$u^*$  elementary (unique) hue text

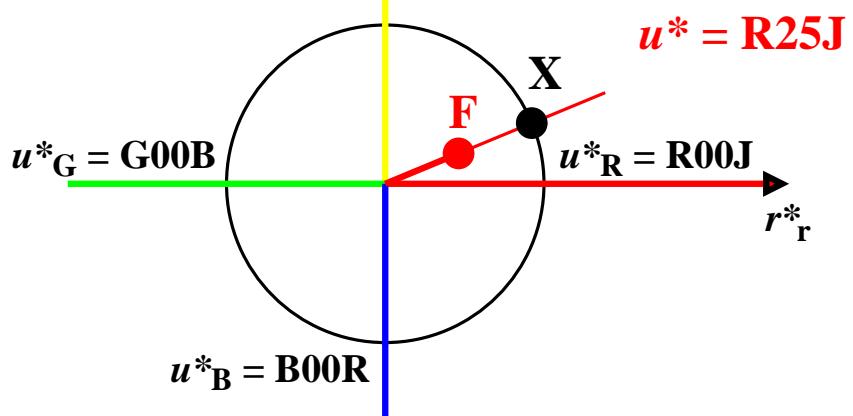


example for colour notation:

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

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

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



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

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

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

