

# TUB colourimetry with normalization to $Y=90$ , $C=Y_W : Y_N = 25 : 1$

Equations for Yellow (J), Blue (B), White (W), Grey (U), Black (N):

Tristimulus value

$$Y_J + Y_B = 66 + 24 = 90 \quad [1]$$

Chromatic value

$$|C_{AB,2,J}| = |C_{AB,2,B}| = 60 \quad [2]$$

Contrast

$$C = Y_W : Y_N = 90 : 3,6$$

$$= 25 : 1 \quad [3]$$

Chromaticity difference

$$c_{AB,2,J} = C_{AB,2,J} / Y_J \quad [4]$$

$$c_{AB,2,B} = C_{AB,2,B} / Y_B \quad [5]$$

$$(C_{AB,2}, Y) \\ = (-60, 24)$$

