

**TUB colourimetry with normalization to  $Y=90$ ,  $C=Y_W : Y_N = 25 : 1$**   
 Equations for Green (G), Magenta (M), White (W), Grey (U), Black (N):  
**Tristimulus value**

$$Y_G + Y_M = 54 + 36 = 90 \quad [1]$$

Chromatic value

$$|C_{AB,2,G}| = |C_{AB,2,M}| = 60 \quad [2]$$

Contrast

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

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

Chromaticity difference

$$c_{AB,2,G} = C_{AB,2,G} / Y_G \quad [4]$$

$$c_{AB,2,M} = C_{AB,2,M} / Y_M \quad [5]$$

