

Application of colour in daily life and in Information Technology (IT):

Design, architecture, art, industrial products
Measured for CIE standard illuminant D65
colour order system: name and coordinates

RAL Design System (CIELAB):

*LCH**, lightness, chroma, hue

Munsell Colour System:

*VCH**, lightness (Value), Chroma, Hue

Natural Colour System (NCS):

*ncu**: blackness, chroma, elementary hue text

Information technology of printers
Measured for CIE "other" illuminant D50
Device system name and coordinates:

Printer system (illuminant D50):

cmY, content of "cyan", "magenta", "yellow"

Display system (standard illuminant D65):

rgb/sRGB, content of "red", "green", "blue"

IT colour coordinates: undefined for users!

DIN 33872: Relation to colour order systems!

For CIELAB: Definition of relative coordinates *lab with linear relation to *LAB****

CIELAB: *LAB** : lightness, red-green and yellow-blue chroma; *LCH** : lightness, chroma, hue

Definition of relative coordinates similar to coordinates of the colour order system NCS

*lch**: relative lightness *l**, relative chroma *c**, relative hue *h** = $h_{ab}/360$ of CIELAB

*tce**: triangle lightness *t**, relative chroma *c**, relative elementary hue *e**

*ncu**, *icu**: relative blackness *n** or brilliantness *i**, relative chroma *c**, elementary hue text *u**