Application of colour in daily life or 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):
nce*: blackness, chromaticness, elementary hue

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 confuse the users!
Nearly no connection to colour order systems!

New: Application connection by coordinates *olv*, cmy*, tce*, ... und linear relation to LAB**

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

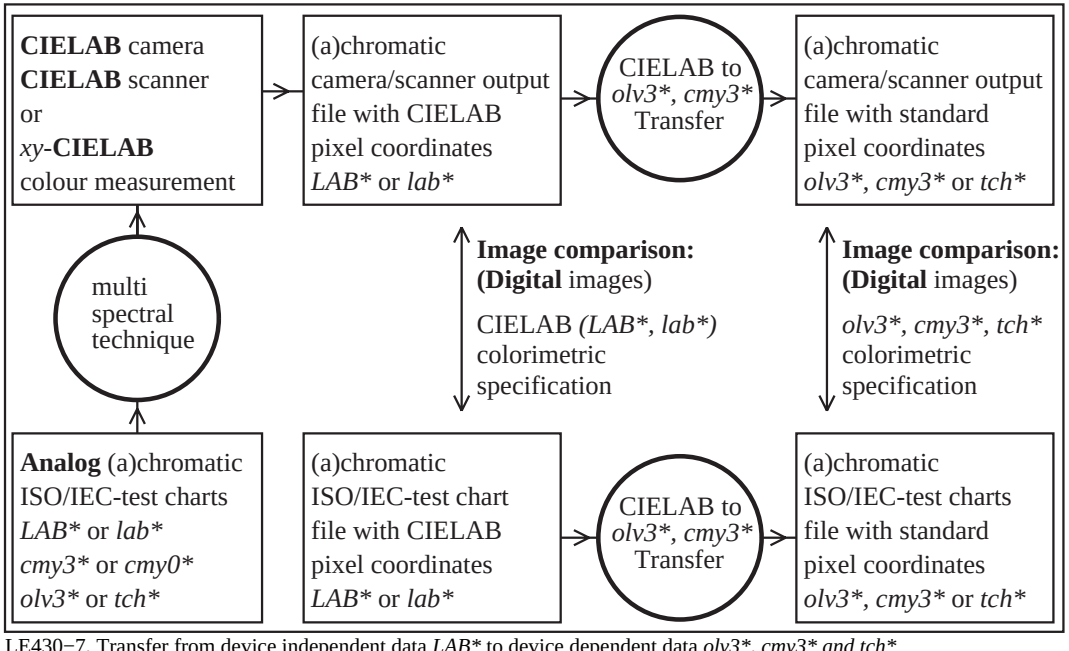
Definition of device coordinates similar to coordinates of colour order systems

lch*: relative lightness, chromaticness, hue

tch*, tce*: triangle lightness, chromaticness, hue or elementary hue

nce*: blackness, chromaticness, elementary hue

LE430−3, Application connection with coordinates *olv*, cmy*, tch*, tce*, nce*, ...* and linear relationship to *LAB**



LE430−7, Transfer from device independent data *LAB** to device dependent data *olv3*, cmy3* and tch**