Three device (d) coordinates *rgb**$_d$ describe 8 device colours *RGB*$_d$, CMY$_d$, and *NW*.

Hexagon-triangle system based on device (d) colours: *rgb**$_d$
with **linear relations** between *rgb**$_d$ – *LCH**$_d$ *(compare approximately linear relations between rgb$_{sRGB}$ and L*)*

Equations *rgb**$_d$ – *LCH**$_d$ in both directions have been published, see:
Richter, CIE-Proceedings, Beijing, 2008, Volume 3 und DIN 33872-1

Three equations (tables) are needed for office applications:

rgb$_d$ – *LCH**'$_d$ for a 9x9x9 grid of equally spaced *rgb*$_d$ input data

rgb*$_d$ – *LCH**$_d$ a 9x9x9 grid of equally spaced data *rgb**$_d$ and *LCH**$_d$

rgb'*$_d$ – *LCH*'*$_d$ ~ *LCH**$_d$ device linearization: *rgb*$_d$−>*rgb*'*$_d$=*rgb*$_{dd}$

SE201-5N