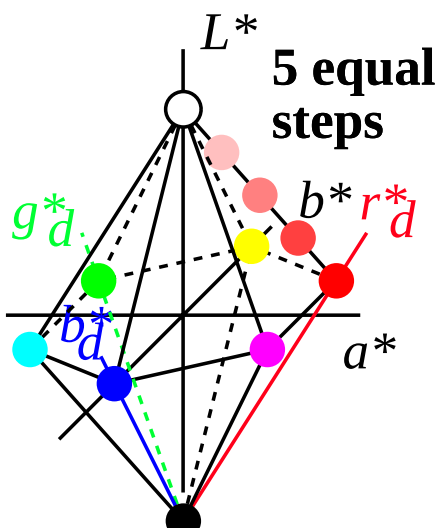
Three device (d) coordinates *rgbd* describe 8 device colours *RGB*d, CMYd, and *NW*.**



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**

SF201-5N