

## 8 Device (d) colours $rgb_d^* = olv^*$ in *CIELAB*: *OYLCVM* and *NW*

Hexagon-triangle system based on device (d) colours:  $cym_d^* = 1 - rgb_d^*$  with **linear relations** between  $cmy_d^*$  and  $LCH^*$

**5 equal** (compare linear relations between  $rgb_{sRGB}$  and  $L^*$ )

Equations  $rgb^*_d - LCH^*$  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:

*cm<sub>y</sub><sub>d</sub>* – *LCH\**, output a 9x9x9 grid of equally spaced *cm<sub>y</sub><sub>d</sub>*-input data

$cm\dot{y}_d^* - LCH^*$  a 9x9x9 grid of equally spaced data  $cm\dot{y}_d^*$  and  $LCH^*$

**$cmy'_d - LCH^*$  Device output linearisation by  $cmy_d \rightarrow cmy'_d$**

