

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

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

(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:

- $rgb_d - LCH^*$  for a 9x9x9 grid of equally spaced  $rgb_d$ -input data
- $rgb_d^* - LCH^*$  a 9x9x9 grid of equally spaced data  $rgb_d^*$  and  $LCH^*$
- $rgb'^*_d - LCH^*$  **Device output linearisation by  $rgb_d \rightarrow rgb'^*_d$**

