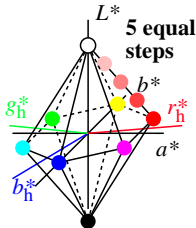


# 8 Device (d) colours, 4 elementary hue angles (h) in CIELAB: *OYLCVM*, *NW*, *RJGB<sub>h</sub>*

Hexagon-triangle system based on device (d) colours:  $rgb_d^* = olv^*$   
 with **linear relations** between  $rgb_d^* - LCH^*$ , and  $rgb_h^* - LCH^*$   
 (*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                      |
| $rgb_h^* - LCH^*$ | a 9x9x9 grid of equally spaced data $rgb_h^*$ and $LCH^*$                   |
| $rgb_h' - LCH^*$  | <i>Device output linearisation by <math>rgb_d \rightarrow rgb_h'</math></i> |