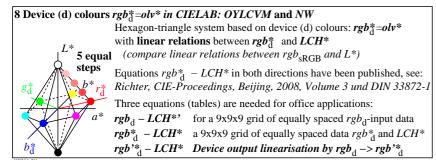
http://130.149.60.45/~farbmetrik/KE28/KE28L0NA.TXT /.PS; start output N: No Output Linearization (OL) data in File (F), Startup (S) or Device (D)

8 Device (d) colours rgb\*=olv\* in CIELAB: OYLCVM and NW Hexagon-triangle system based on device (d) colours:  $rgb_d^*=olv^*$ with linear relations between  $rgb_d^*$  and  $LCH^*$ **5 equal** (compare linear relations between  $rgb_{sRGB}$  and  $L^*$ )

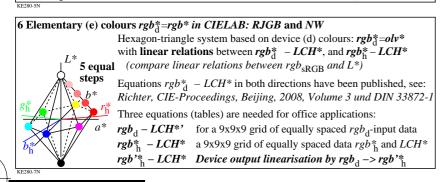
Equations  $rgb_d^* - LCH^*$  in both directions have been published, see: Richter, CIE-Proceedings, Beijing, 2008, Volume 3 und DIN 33872-1

Three equations (tables) are needed for office applications:  $rgb_d - LCH^*$ ' for a 9x9x9 grid of equally spaced  $rgb_d$ -input data  $rgb_d^* - LCH^*$  a 9x9x9 grid of equally spaced data  $rgb_d^*$  and  $LCH^*$ 

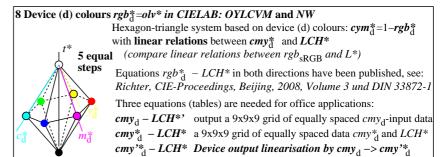
 $rgb''_{d}$  – LCH\* Device output linearisation by  $rgb_{d}$  –>  $rgb''_{d}$ 

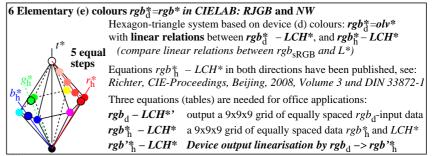


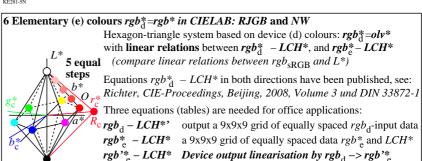
6 Elementary (e) colours rgb\*=rgb\* in CIELAB: RJGB and NW Hexagon-triangle system based on device (d) colours:  $rgb_d^* = olv^*$ with linear relations between  $rgb_d^* - LCH^*$ , and  $rgb_h^* - LCH^*$ **5 equal** (compare linear relations between  $rgb_{sRGR}$  and  $L^*$ ) Equations  $rgb_d^* - LCH^*$  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  $LCH^*$  $rgb'_h - LCH^*$  Device output linearisation by  $rgb_d -> rgb'_h$ 



8 Device (d) colours rgb<sub>d</sub>\*=olv\* in CIELAB: OYLCVM and NW Hexagon-triangle system based on device (d) colours:  $rgb_{A}^{*}=olv^{*}$ with **linear relations** between  $rgb_d^*$  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:  $rgb_d - LCH^*$  output a 9x9x9 grid of equally spaced  $rgb_d$ -input data  $rgb_d^* - LCH^*$  a 9x9x9 grid of equally spaced data  $rgb_d^*$  and  $LCH^*$  $rgb'^*_A - LCH^*$  Device output linearisation by  $rgb_A -> rgb'^*_A$ 







input: *olv\* setrgbcolor* output: no change compared to input

TUB-test chart KE28; 6 device and 4 elementary colours Relation between CIELAB data and colour data rgb and rgb\*

See original or copy: http://web.me.com/klaus.richter/KE28/KE28L0NA.TXT /.PS Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik