

# Beziehung CIELAB ( $L^*$ , $a^*$ , $b^*$ ) und *adaptiertes* (a) CIELAB ( $C^*_{ab,a}$ , $L^*$ )

System: JG91\_OR520\_95\_D65\_cmy6\*

$$l^*_{lab*} = (L^* - L^*_N) / (L^*_W - L^*_N)$$

$$a^*_{\bar{a}} = a^* - a^*_N - l^*_{lab*} [a^*_W - a^*_N]$$

$$b^*_{\bar{a}} = b^* - b^*_N - l^*_{lab*} [b^*_W - b^*_N]$$

$$C^*_{ab,a} = [a^{*2}_{\bar{a}} + b^{*2}_{\bar{a}}]^{1/2}$$

CIELAB-Buntonwinkel:

$$h_{ab,d} = [34, 92, 143, 226, 312, 337]$$

$$h_{ab,dx} = [34, 92, 143, 226, 311, 337]$$

Y00L

100

$$a^*_{\bar{a}} = C^*_{ab,a} \cos h_{ab}$$

$$b^*_{\bar{a}} = C^*_{ab,a} \sin h_{ab}$$

O00Y

Buntheit

$a^*_{\bar{a}}$

L00C

-100

100

C00V

V00M

-100

