

Linear relation CIELAB ( $L^*$ ,  $a^*$ ,  $b^*$ ) and adapted (a) CIELAB ( $C_{ab,a}^*$ ,  $L^*$ )

System: SS42\_HRS27\_96\_D65\_00%\_G0

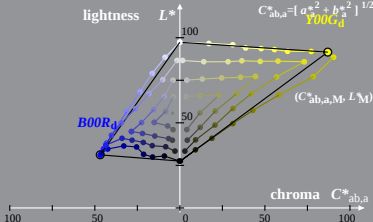
Hue:  $h_{ab,Y00Gd}=96/360$ ;  $h_{ab,B00Rd}=305/360$

$$l^* = (L^* - L_N^*) / (L_W^* - L_N^*)$$

$$a_a^* = a^* - a_N^* - l^* [a_W^* - a_N^*]$$

$$b_a^* = b^* - b_N^* - l^* [b_W^* - b_N^*]$$

$$C_{ab,a}^* = [a_a^{*2} + b_a^{*2}]^{1/2}$$



SS420-2A, 1; cf1=0.95; nt=0.18; nx=1.0

Linear relation CIELAB ( $L^*$ ,  $a^*$ ,  $b^*$ ) and adapted (a) CIELAB ( $C_{ab,a}^*$ ,  $L^*$ )

System: SS42\_HRS27\_96\_D65\_00%\_G1

Hue:  $h_{ab,Y00Gd}=96/360$ ;  $h_{ab,B00Rd}=305/360$

$$l^* = (L^* - L_N^*) / (L_W^* - L_N^*)$$

$$a_a^* = a^* - a_N^* - l^* [a_W^* - a_N^*]$$

$$b_a^* = b^* - b_N^* - l^* [b_W^* - b_N^*]$$

$$C_{ab,a}^* = [a_a^{*2} + b_a^{*2}]^{1/2}$$

**Y00G<sub>d</sub>**

lightness

$L^*$

100

50

**B00R<sub>d</sub>**

( $C_{ab,a,M}^*$ ,  $L_M^*$ )

chroma  $C_{ab,a}^*$

100

50

0

50

100

SS420-2A, 2; cf1=0.95; nt=0.18; nx=1.0