

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

System: HG81\_HRS27\_96\_D65\_00%\_O0

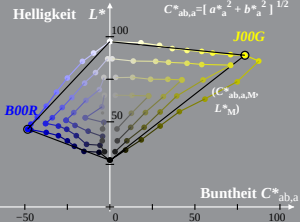
Buntton:  $h^*_{J00G}=92/360$ ;  $h^*_{B00R}=272/360$

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

$$a^*_a = a^* - a^*_N - I^*_{lab^*} [a^*_W - a^*_N]$$

$$b^*_a = b^* - b^*_N - I^*_{lab^*} [b^*_W - b^*_N]$$

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



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

System: HG81\_HRS27\_96\_D65\_00%\_O1

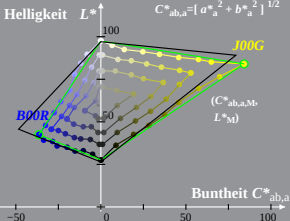
Buntton:  $h^*_{J00G}=92/360$ ;  $h^*_{B00R}=272/360$

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

$$a^*_{,a} = a^* - a^*_N - I^*_{lab^*} [a^*_W - a^*_N]$$

$$b^*_{,a} = b^* - b^*_N - I^*_{lab^*} [b^*_W - b^*_N]$$

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



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

System: HG81\_HRS27\_96\_D65\_25%\_O0

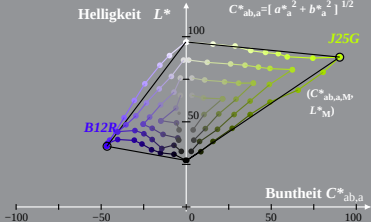
Buntton:  $h^*_{J25G}=109/360$ ;  $h^*_{B12R}=286/360$

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

$$a^*_{\alpha} = a^* - a^*_N - I^*_{lab^*} [a^*_W - a^*_N]$$

$$b^*_{\alpha} = b^* - b^*_N - I^*_{lab^*} [b^*_W - b^*_N]$$

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



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

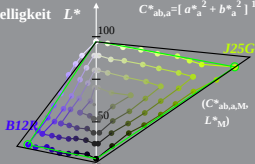
System: HG81\_HRS27\_96\_D65\_25%\_O1  $L^*_{lab*} = (L^* - L^*_N) / (L^*_W - L^*_N)$

Buntton:  $h^*_{J25G} = 109/360$ ;  $h^*_{B12R} = 286/360$   $a^*_{lab*} = a^* - a^*_N - L^*_{lab*} [a^*_W - a^*_N]$

$b^*_{lab*} = b^* - b^*_N - L^*_{lab*} [b^*_W - b^*_N]$

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

Helligkeit  $L^*$



Bunttheit  $C^*_{ab,a}$

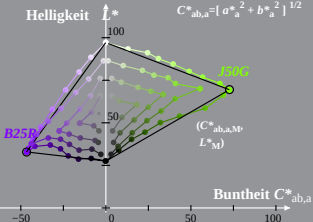
Beziehung CIELAB ( $L^*$ ,  $a^*$ ,  $b^*$ ) und adaptiertes (a) CIELAB ( $C^*_{ab,a}$ ,  $L^*$ )

System: HG81\_HRS27\_96\_D65\_50%\_O0  $I^*_{lab*} = (L^* - L^*_N) / (L^*_W - L^*_N)$

Buntton:  $h^*_{J50G} = 127/360$ ;  $h^*_{B25R} = 300/360$   $a^*_a = a^* - a^*_N - I^*_{lab*} [a^*_W - a^*_N]$

$b^*_a = b^* - b^*_N - I^*_{lab*} [b^*_W - b^*_N]$

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



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

System: HG81\_HRS27\_96\_D65\_50%\_O1

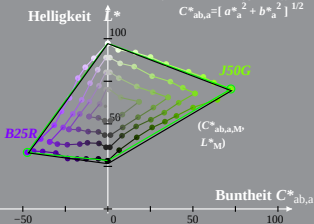
Buntton:  $h^*_{J50G}=127/360$ ;  $h^*_{B25R}=300/360$

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

$$a^*_a = a^* - a^*_N - I^*_{lab^*} [a^*_W - a^*_N]$$

$$b^*_a = b^* - b^*_N - I^*_{lab^*} [b^*_W - b^*_N]$$

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



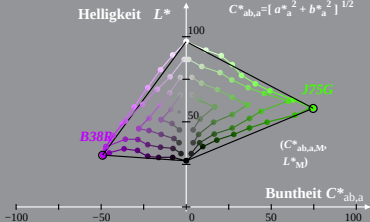
Beziehung CIELAB ( $L^*$ ,  $a^*$ ,  $b^*$ ) und adaptiertes (a) CIELAB ( $C^*_{ab,a}$ ,  $L^*$ )

System: HG81\_HRS27\_96\_D65\_75%\_O0  $I^*_{lab^*} = (L^* - L^*_N) / (L^*_W - L^*_N)$

Buntton:  $h^*_{J75G} = 144/360$ ;  $h^*_{B38R} = 314/360$   $a^*_a = a^* - a^*_N - I^*_{lab^*} [a^*_W - a^*_N]$

$b^*_a = b^* - b^*_N - I^*_{lab^*} [b^*_W - b^*_N]$

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



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

System: HG81\_HRS27\_96\_D65\_75%\_O1  $L^*_{lab*} = (L^* - L^*_N) / (L^*_W - L^*_N)$

Buntton:  $h^*_{J75G} = 144/360$ ;  $h^*_{B38R} = 314/360$   $a^*_a = a^* - a^*_N - L^*_{lab*} [a^*_W - a^*_N]$

$b^*_a = b^* - b^*_N - L^*_{lab*} [b^*_W - b^*_N]$

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

Helligkeit  $L^*$

100

J75G

50

B38R

$(C^*_{ab,a,M}, L^*_M)$

Buntheit  $C^*_{ab,a}$

-100

-50

0

50

100