

Beziehung adaptiertes (a) CIELAB ($C^*_{ab,a}$, L^*) und relatives CIELAB (c^* , t^*) System: GG81_HRS27_96_D65_00%_O0

$$l^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$$

$$t^*_{lab} = l^*_{lab} - c^*_{lab} [l^*_M - 0,5]$$

CIELAB-Buntonwinkel:

$$h_{ab,d} = [33, 98, 150, 227, 301, 350]$$

$$h_{ab,dx} = [38, 96, 151, 236, 305, 350]$$

$$b^*_{lab}$$

$$c^*_{lab}$$

M =Maximalfarbe

L^*OOL

$O00Y$

a^*_{lab}

c^*_{lab}

$Y00M$

b^*_{lab}

$V00M$

$C00V$

$L00C$

a^*_{lab}

c^*_{lab}

$Y00M$

b^*_{lab}

<p

Beziehung adaptiertes (a) CIELAB ($C^*_{ab,a}$, L^*) und relatives CIELAB (c^* , t^*) System: GG81_HRS27_96_D65_00%_O1

$$l^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$$

$$t^*_{lab} = l^*_{lab} - c^*_{lab} [l^*_M - 0,5]$$

CIELAB-Buntonwinkel:

$$h_{ab,d} = [33, 98, 150, 227, 301, 350]$$

$$h_{ab,dx} = [38, 96, 151, 236, 305, 350]$$

$$b^*_{lab}$$

$$c^*_{lab} = C^*_{ab,a} / C^*_{ab,a,M}$$

M =Maximalfarbe

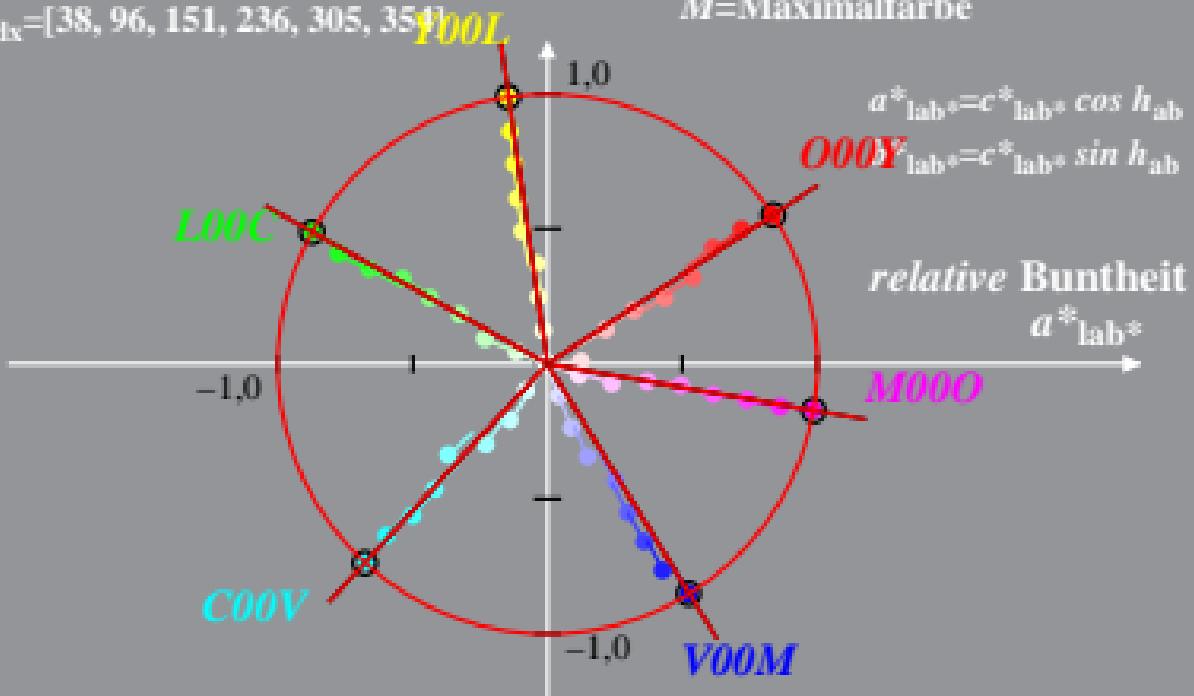
$$a^*_{lab} = c^*_{lab} \cos h_{ab}$$

$$000Y_{lab} = c^*_{lab} \sin h_{ab}$$

relative Buntheit

$$a^*_{lab}$$

$M000$



Beziehung adaptiertes (a) CIELAB ($C^*_{ab,a}$, L^*) und relatives CIELAB (c^* , t^*) System: GG81_HRS27_96_D65_25%_O0

$$l^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$$

$$t^*_{lab} = l^*_{lab} - c^*_{lab} [l^*_M - 0,5]$$

CIELAB-Buntonwinkel:

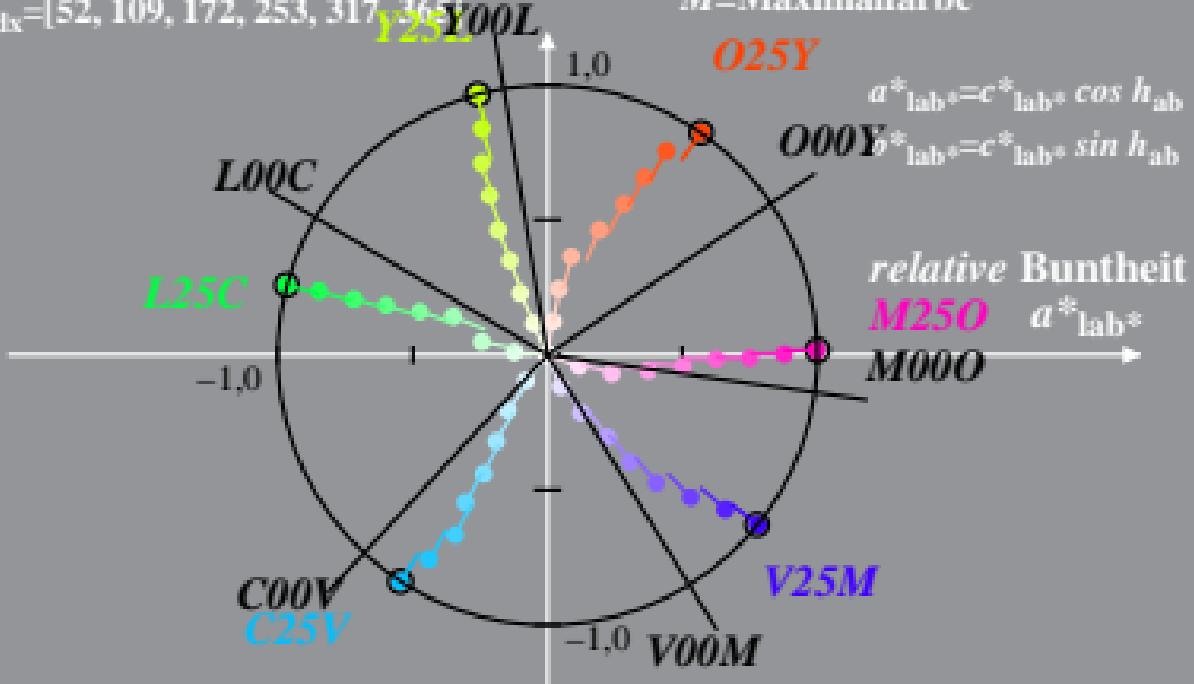
$$h_{ab,d} = [33, 98, 150, 227, 301, 350]$$

$$h_{ab,dx} = [52, 109, 172, 253, 317, 365]$$

$$b^*_{lab}$$

$$c^*_{lab}$$

M =Maximalfarbe



$$a^*_{lab} = c^*_{lab} \cos h_{ab}$$

$$Y^*_{lab} = c^*_{lab} \sin h_{ab}$$

relative Buntheit

$$M25O \quad a^*_{lab}$$

$$M000 \quad M25O$$

Beziehung adaptiertes (a) CIELAB ($C^*_{ab,a}$, L^*) und relatives CIELAB (c^* , t^*) System: GG81_HRS27_96_D65_25%_O1

$$l^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$$

$$t^*_{lab*} = l^*_{lab*} - c^*_{lab*} [l^*_M - 0,5]$$

CIELAB-Buntonwinkel:

$$h_{ab,d} = [33, 98, 150, 227, 301, 350]$$

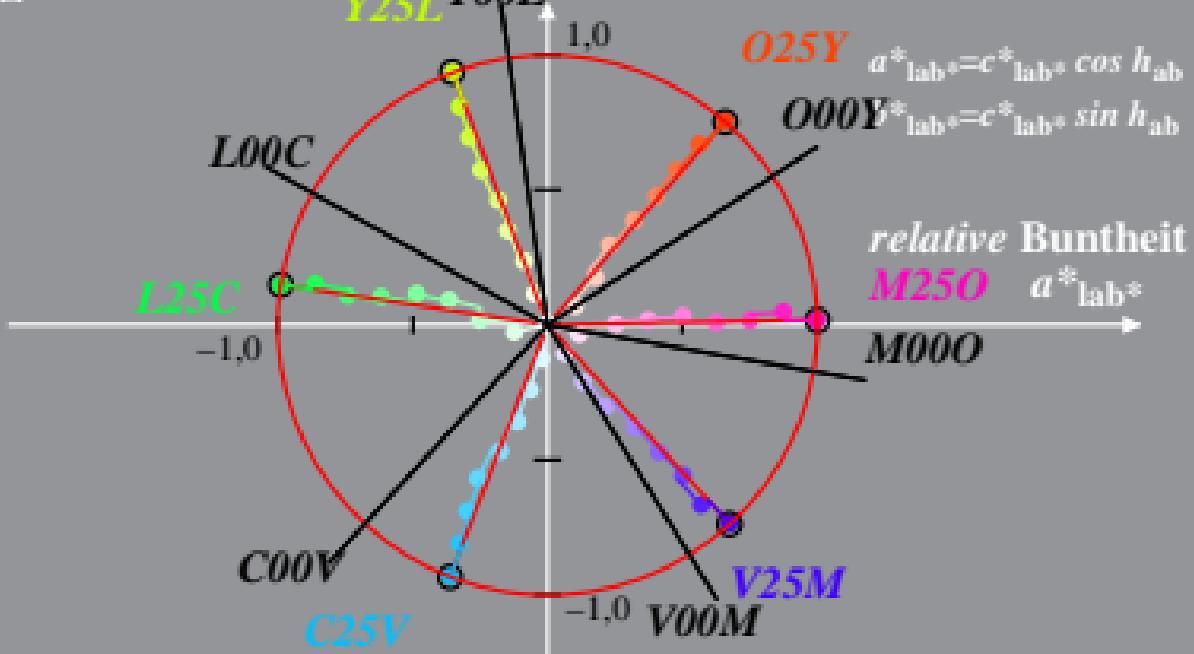
$$b^*_{lab*}$$

$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

M =Maximalfarbe

$$h_{ab,dx} = [52, 109, 172, 253, 317, 365]$$

$Y25L$



Beziehung adaptiertes (a) CIELAB ($C^*_{ab,a}$, L^*) und relatives CIELAB (c^* , t^*)
 System: GG81_HRS27_96_D65_50%_O0 $I^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$

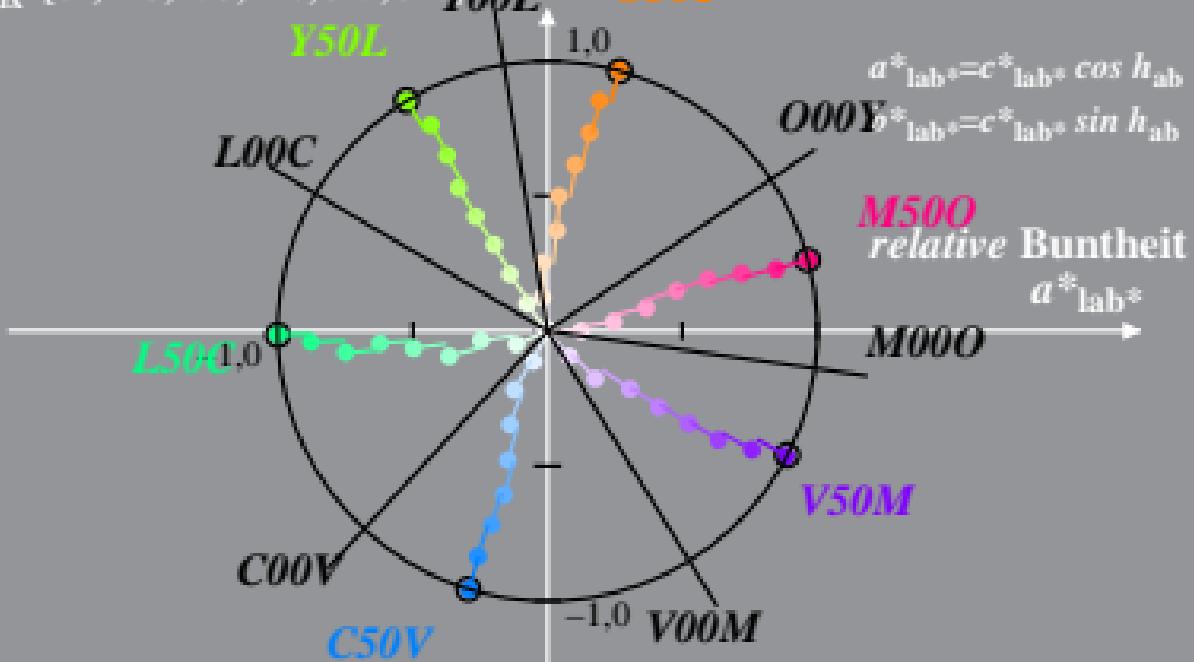
CIELAB-Buntonwinkel:

$$h_{ab,d} = [33, 98, 150, 227, 301, 350]$$

$$h_{ab,dx} = [67, 123, 193, 270, 329, 370]$$

$$t^*_{lab^*} = I^*_{lab^*} - c^*_{lab^*} \quad [I^*_M - 0,5] \\ b^*_{lab^*} \quad c^*_{lab^*} = C^*_{ab,a} / C^*_{ab,a,M}$$

$O50Y$ =Maximalfarbe



Beziehung adaptiertes (a) CIELAB ($C^*_{ab,a}$, L^*) und relatives CIELAB (c^* , t^*)
 System: GG81_HRS27_96_D65_50%_O1 $l^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$

CIELAB-Buntonwinkel:

$$h_{ab,d} = [33, 98, 150, 227, 301, 350]$$

$$h_{ab,dx} = [67, 123, 193, 270, 329, 376]$$

$$b^*_{lab^*}$$

$$c^*_{lab^*}$$

$$t^*_{lab^*} = l^*_{lab^*} - c^*_{lab^*} [l^*_M - 0,5]$$

$$c^*_{lab^*} = C^*_{ab,a} / C^*_{ab,a,M}$$

M =Maximalfarbe

O50Y

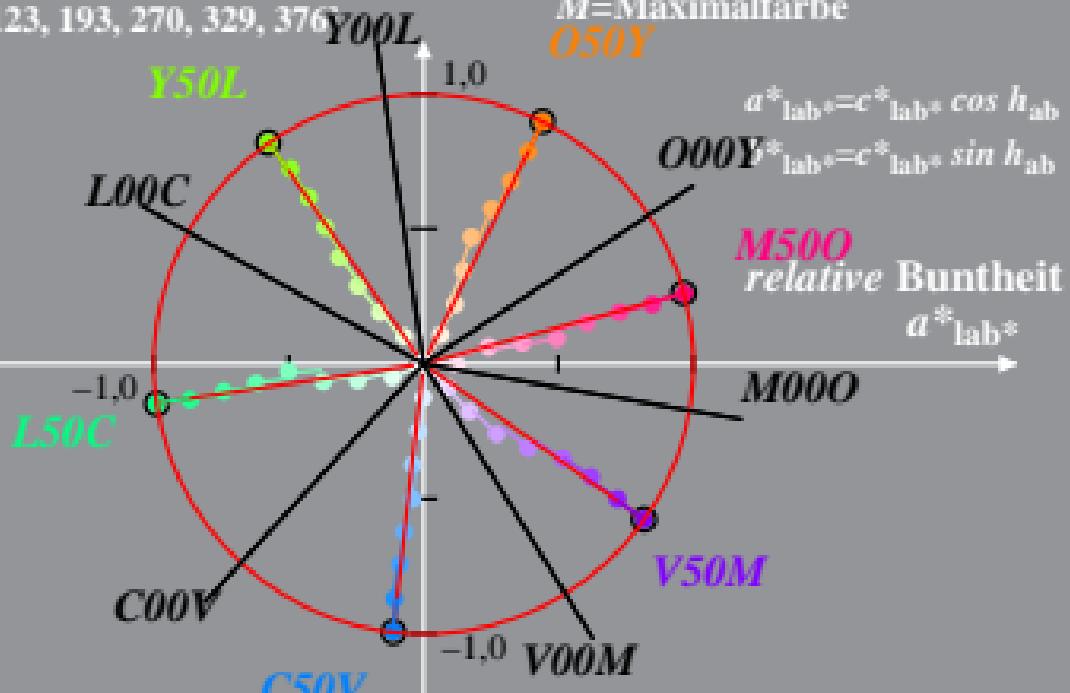
$$a^*_{lab^*} = c^*_{lab^*} \cos h_{ab}$$

$$O00Y^*_{lab^*} = c^*_{lab^*} \sin h_{ab}$$

M50O
relative Buntheit

$$a^*_{lab^*}$$

M000



Beziehung adaptiertes (a) CIELAB ($C^*_{ab,a}$, L^*) und relatives CIELAB (c^* , t^*) System: GG81_HRS27_96_D65_75%_O0

$$l^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$$

$$t^*_{lab} = l^*_{lab} - c^*_{lab} [l^*_M - 0,5]$$

CIELAB-Buntonwinkel:

$$h_{ab,d} = [33, 98, 150, 227, 301, 350]$$

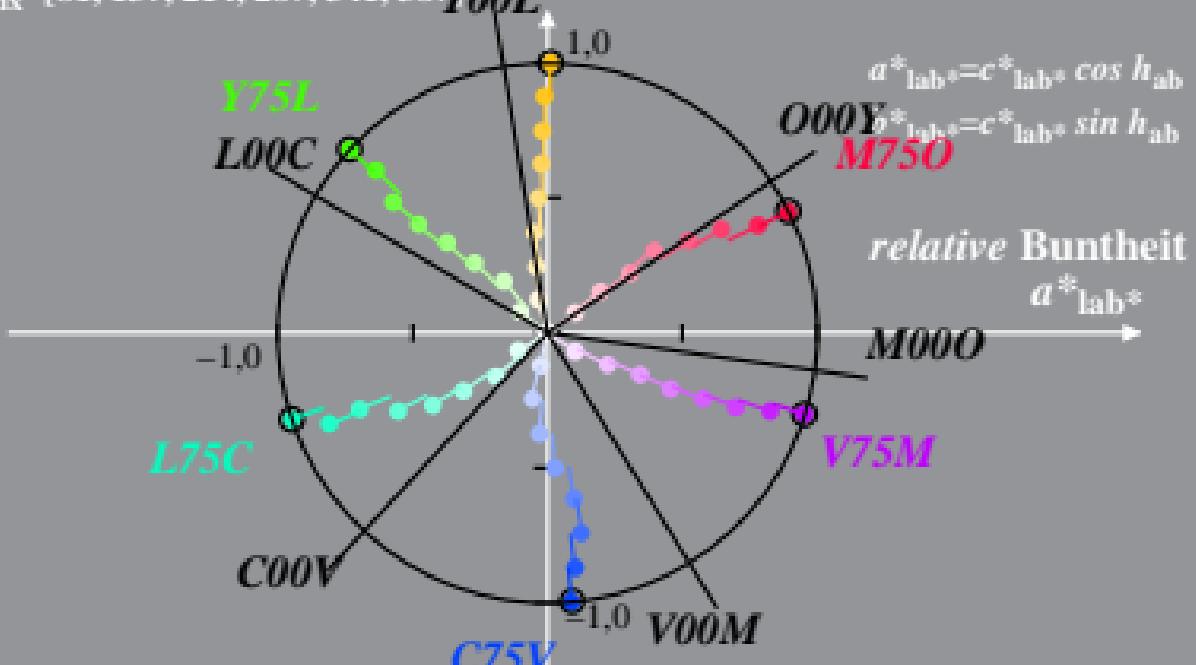
$$h_{ab,dx} = [81, 137, 214, 287, 341, 387]$$

$$b^*_{lab}$$

$$c^*_{lab} = C^*_{ab,a} / C^*_{ab,a,M}$$

$Y00L$ $O75Y$

M =Maximalfarbe



Beziehung adaptiertes (a) CIELAB ($C^*_{\text{ab,a}}, L^*$) und relatives CIELAB (c^*, t^*) System: GG81_HRS27_96_D65_75%_OI

$$-0.1 \quad l^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$$

$$I^*|_{\partial B^+} = I^*|_{\partial B^+} - \epsilon^*|_{\partial B^+} [I^*_M - 0.5]$$

CIELAB-Buntpunktwinkel:

$$b^*_{\text{lab}^*} \cdot c^*|_{\text{lab}^*} = C^*_{\text{lab}^*} / C^*_{\text{lab}^*} M$$

$h_{ab,4} = [33, 98, 150, 227, 301, 350]$

$h_{\text{ab}, \text{dy}} = [81, 137, 214, 287, 341, 387] \text{ Y00J}$. **O75Y**=Maximalfarbe

