

Adaptiertes (a) CIELAB ($C^*_{ab,a}, L^*$) und relatives CIELAB (c^*_{lab}, l^*_{lab})
 System: GG89_FRS09_92_D65_00%_O1 $l^*_{lab} = (L^* - L^*_N) / (L^*_W - L^*_N)$

CIELAB-Buntonwinkel:

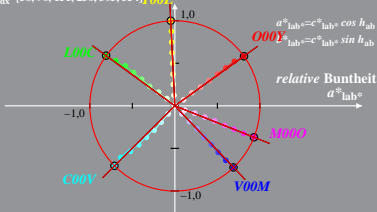
$h_{ab,d} = [35, 92, 143, 224, 313, 338]$

$h_{ab,dx} = [38, 96, 151, 236, 305, 354]$ **Y00L**

b^*_{lab}

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

$M = \text{Maximalfarbe}$



Adaptiertes (a) CIELAB ($C^*_{ab,a}, L^*$) und relatives CIELAB (c^*_{lab}, l^*_{lab})
 System: GG89_FRS09_92_D65_25%_O0

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

CIELAB-Buntonwinkel:

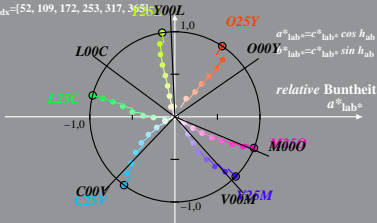
$h_{ab,d} = [35, 92, 143, 224, 313, 338]$

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

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

$M = \text{Maximalfarbe}$

b^*_{lab}



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

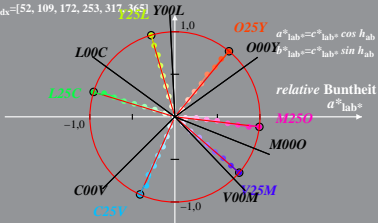
CIELAB-Bunttonwinkel:

$$h_{a,b,d}=[35, 92, 143, 224, 313, 338]$$
$$h_{ab,dx}=[52, 109, 172, 253, 317, 365]$$

b*lab*

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

M = Maximalfarbe



Adaptiertes (a) CIELAB ($C^*_{ab,*}$, L^*) und relatives CIELAB ($c^*_{lab,*}$, $l^*_{lab,*}$)
 System: GG89_FRS09_92_D65_50%_O0

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

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

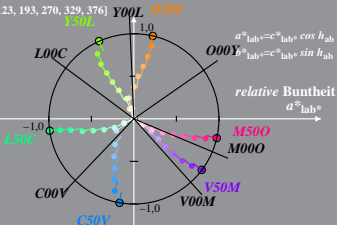
CIELAB-Bunttonwinkel:

$h_{ab,d} = [35, 92, 143, 224, 313, 338]$

$h_{ab,dx} = [67, 123, 193, 270, 329, 376]$ **Y00L** **O50Y**

$b^*_{lab,*}$

M=Maximalfarbe



Adaptiertes (a) CIELAB ($C^*_{ab,*}$, L^*) und relatives CIELAB ($c^*_{lab,*}$, $l^*_{lab,*}$)
 System: GG89_FRS09_92_D65_50%_O1 $l^*_{lab,*} = (L^* - L^*_N) / (L^*_W - L^*_N)$

CIELAB-Bunttonwinkel:

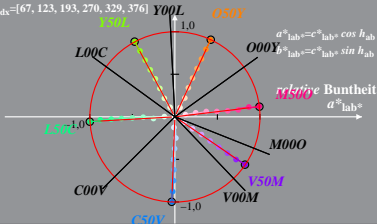
$h_{ab,d} = [35, 92, 143, 224, 313, 338]$

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

$b^*_{lab,*}$

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

$M = \text{Maximalfarbe}$



Adaptiertes (a) CIELAB ($C^*_{ab,a}, L^*$) und relatives CIELAB (c^*_{lab}, l^*_{lab})
 System: GG89_FRS09_92_D65_75%_O0

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

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

M =Maximalfarbe

CIELAB-Bunttonwinkel:

$h_{ab,d} = [35, 92, 143, 224, 313, 338]$

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

b^*_{lab}

075Y

Y00L

Y75L

L00C

O00Y

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

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

relative Buntheit

M75O

a^*_{lab}

-1,0

M00O

V75M

V00M

L75C

C00V

C75V

Adaptiertes (a) CIELAB ($C^*_{ab,a}$, L^*) und relatives CIELAB (c^*_{lab} , l^*_{lab})
 System: GG89_FRS09_92_D65_75%_O1 $l^*_{lab} = (L^* - L^*_N) / (L^*_W - L^*_N)$

CIELAB-Bunttonwinkel:

$h_{ab,d} = [35, 92, 143, 224, 313, 338]$

$h_{ab,dx} = [81, 137, 214, 287, 341, 387]$ **Y00L** **O75Y**

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

b^*_{lab} M=Maximalfarbe

