

Beziehung adaptiertes (a) CIELAB ( $C^*_{ab,a}$ ,  $L^*$ ) und relatives CIELAB ( $c^*$ ,  $t^*$ ) System: HG87\_FRS09\_92\_D65\_00%\_00

CIELAB-Buntonwinkel:

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

$$h_{ab,ex} = [26, 92, 162, 217, 272, 329]$$

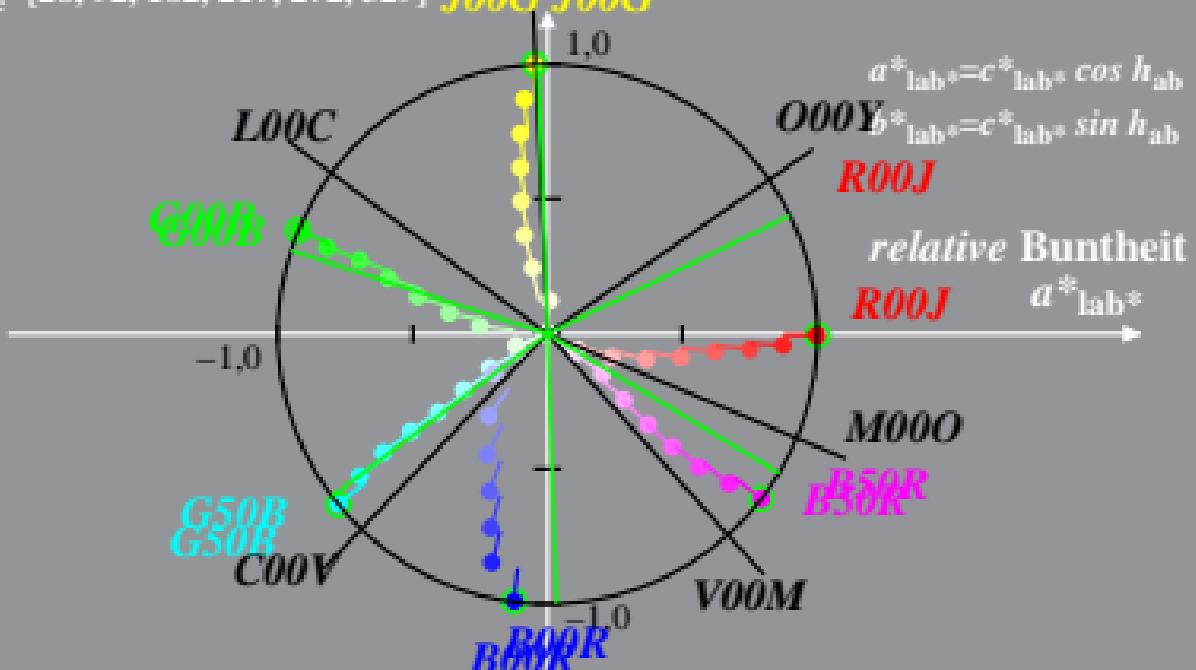
$$h_{ab,e} = [26, 92, 162, 217, 272, 329]$$

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

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

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

$$M = \text{Maximalfarbe}$$



Beziehung adaptiertes (a) CIELAB ( $C^*_{ab,a}$ ,  $L^*$ ) und relatives CIELAB ( $c^*$ ,  $t^*$ ) System: HG87\_FRS09\_92\_D65\_00%\_01

CIELAB-Buntonwinkel:

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

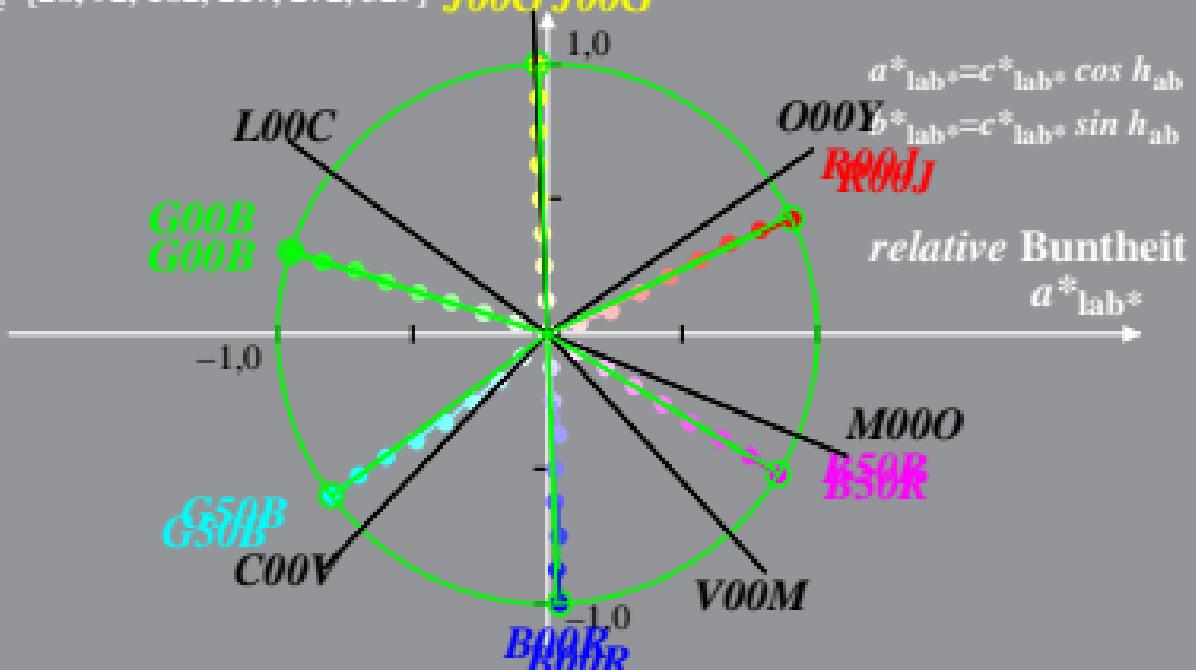
$$h_{ab,ex} = [26, 92, 162, 217, 272, 329] \quad Y00L$$

$$h_{ab,e} = [26, 92, 162, 217, 272, 329] \quad J00G \quad J00G \quad M=\text{Maximalfarbe}$$

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

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

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



Beziehung adaptiertes (a) CIELAB ( $C^*_{ab,a}$ ,  $L^*$ ) und relatives CIELAB ( $c^*$ ,  $t^*$ ) System: HG87\_FRS09\_92\_D65\_25%\_00

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

CIELAB-Buntonwinkel:

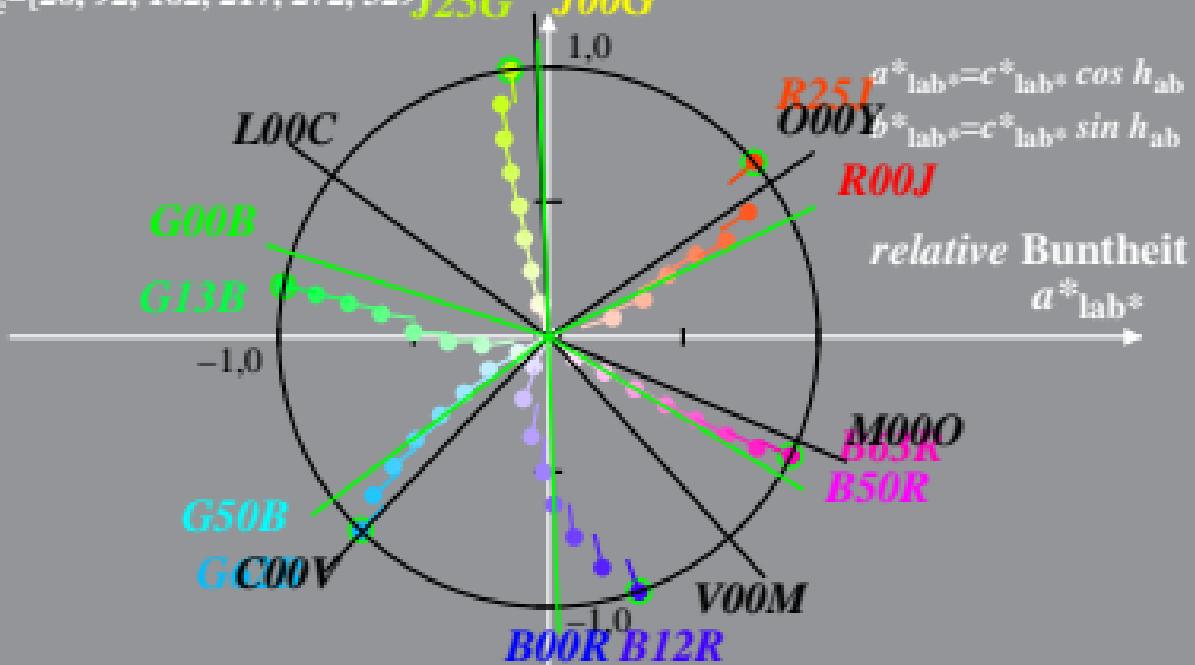
$$h_{ab,d} = [34, 92, 143, 226, 312, 337]$$

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

$$h_{ab,ex} = [42, 109, 175, 230, 286, 343] \quad Y00L$$

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

$$h_{ab,e} = [26, 92, 162, 217, 272, 329] \quad J25G \quad J00G \quad M = \text{Maximalfarbe}$$



Beziehung adaptiertes (a) CIELAB ( $C^*_{ab,a}$ ,  $L^*$ ) und relatives CIELAB ( $c^*$ ,  $t^*$ ) System: HG87\_FRS09\_92\_D65\_25%\_01

CIELAB-Buntonwinkel:

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

$$h_{ab,ex} = [42, 109, 175, 230, 286, 343] \quad Y00L$$

$$h_{ab,e} = [26, 92, 162, 217, 272, 329]$$

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

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

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

$M$ =Maximalfarbe

J25G

J00G

L00C

G00B

G13B

G50B

c00V

G02B

R25J

O00Y

b\*<sub>lab\*</sub>

c\*<sub>lab\*</sub>

cos h<sub>ab</sub>

sin h<sub>ab</sub>

R00J

relative Buntheit

a\*<sub>lab\*</sub>

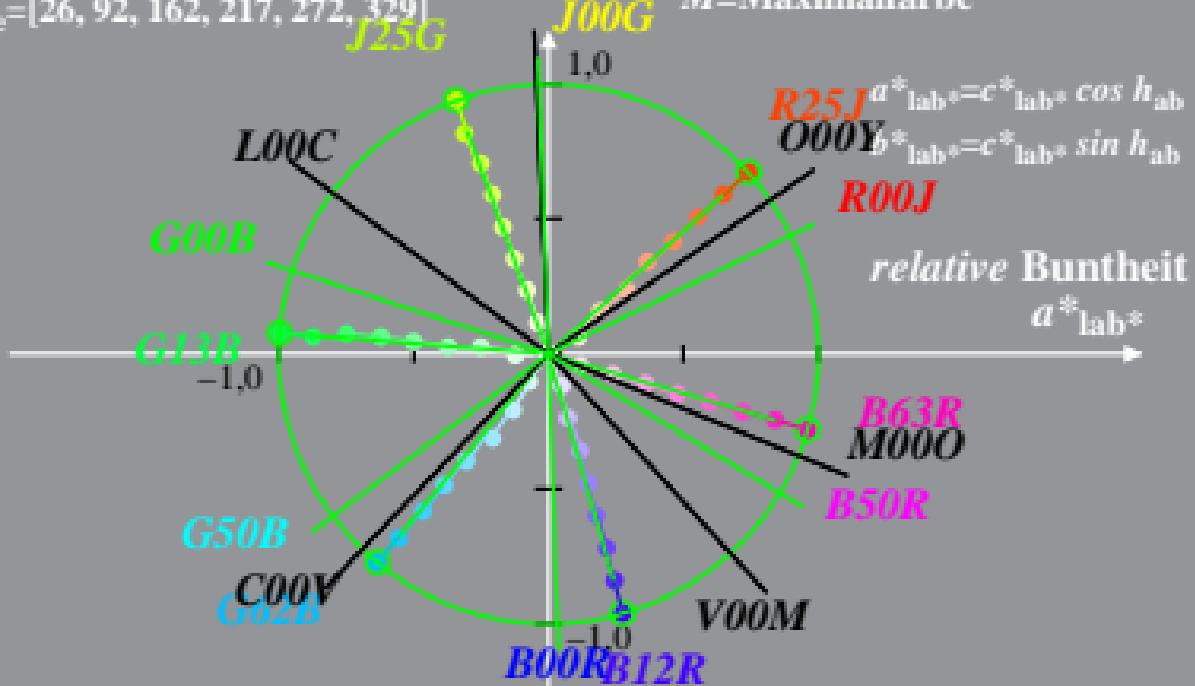
B63R

M00O

B50R

V00M

B00RB12R



Beziehung adaptiertes (a) CIELAB ( $C^*_{ab,a}$ ,  $L^*$ ) und relatives CIELAB ( $c^*$ ,  $l^*$ ) System: HG87\_FRS09\_92\_D65\_50%\_00

CIELAB-Buntonwinkel:

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

$$h_{ab,ex} = [59, 127, 189, 244, 300, 357] \quad Y00L$$

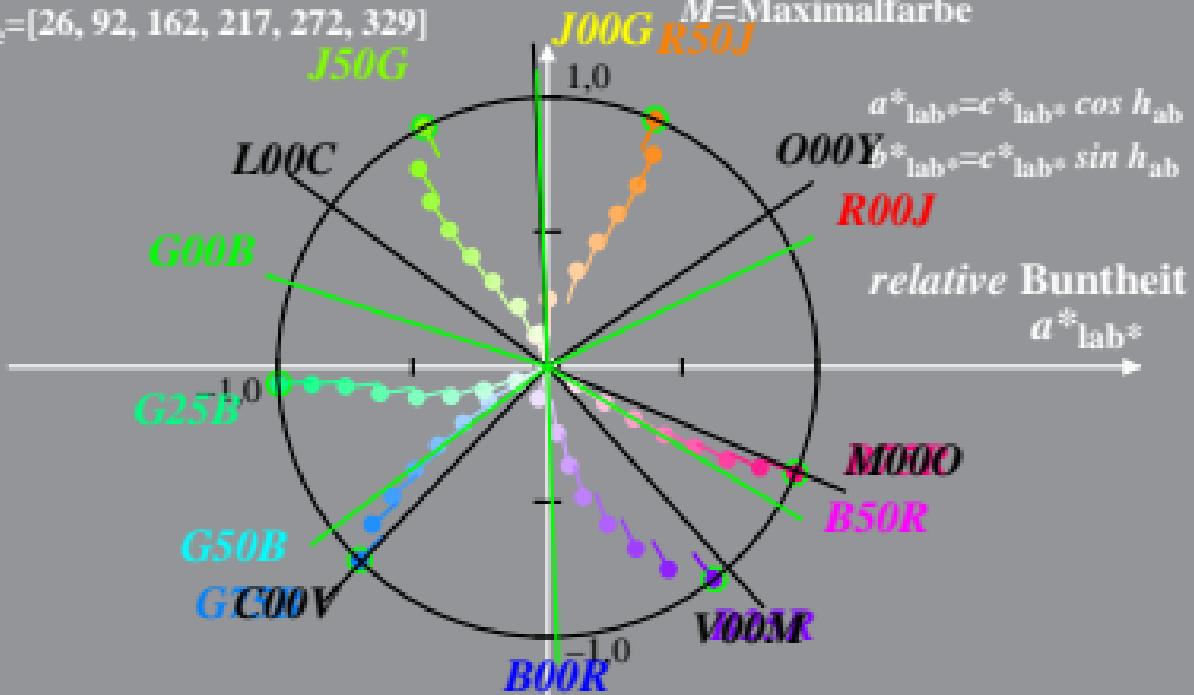
$$h_{ab,e} = [26, 92, 162, 217, 272, 329]$$

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

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

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

$M$ =Maximalfarbe



Beziehung adaptiertes (a) CIELAB ( $C^*_{ab,a}$ ,  $L^*$ ) und relatives CIELAB ( $c^*$ ,  $l^*$ ) System: HG87\_FRS09\_92\_D65\_50%\_01

CIELAB-Buntonwinkel:

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

$$h_{ab,ex} = [59, 127, 189, 244, 300, 357] \quad Y00L$$

$$h_{ab,e} = [26, 92, 162, 217, 272, 329]$$

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

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

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$M$ =Maximalfarbe

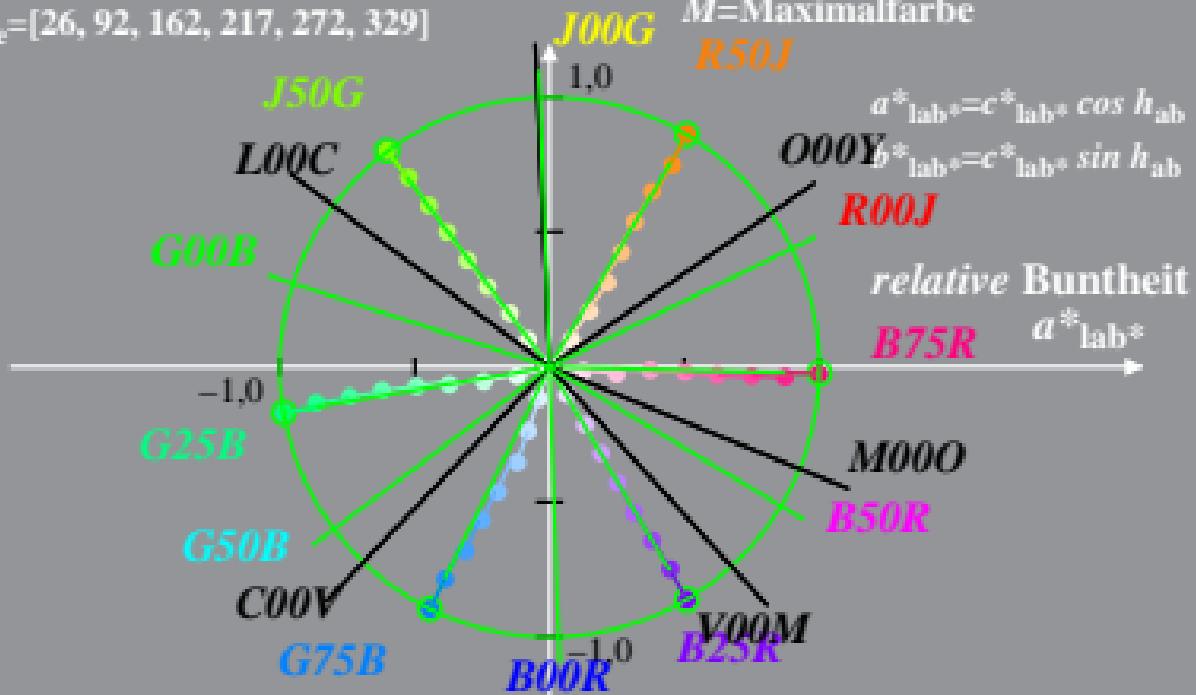
$$a^*_{lab^*} = c^*_{lab^*} \cos h_{ab}$$

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

$R00J$

relative Buntheit

$B75R$        $a^*_{lab^*}$



Beziehung adaptiertes (a) CIELAB ( $C^*_{ab,a}$ ,  $L^*$ ) und relatives CIELAB ( $c^*$ ,  $t^*$ ) System: HG87\_FRS09\_92\_D65\_75%\_00

CIELAB-Buntonwinkel:

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

$$h_{ab,ex} = [75, 144, 203, 258, 314, 371]$$

$$h_{ab,e} = [26, 92, 162, 217, 272, 329]$$

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

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

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

$f_{00G}^{75J}$   $M$ =Maximalfarbe

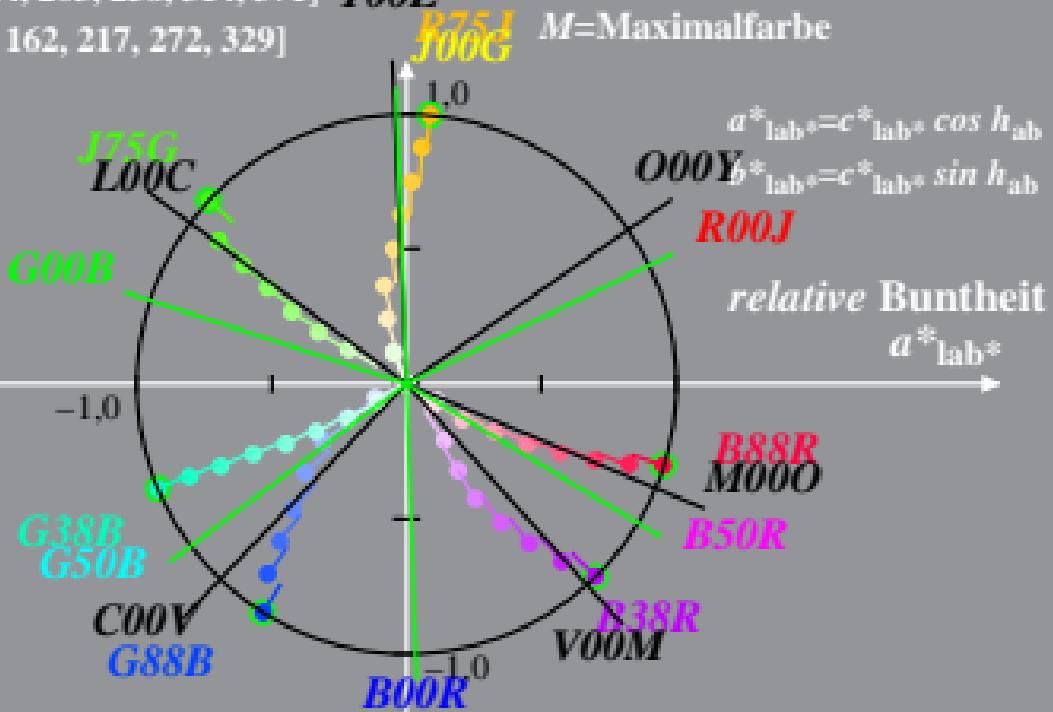
$$a^*_{lab*} = c^*_{lab*} \cos h_{ab}$$

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

$R00J$

relative Buntheit

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



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

CIELAB-Buntonwinkel:

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

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

$$h_{ab,ex} = [75, 144, 203, 258, 314, 371] \quad b^*_{lab^*} \quad c^*_{lab^*} = C^*_{ab,a} / C^*_{ab,a,M}$$

$$h_{ab,e} = [26, 92, 162, 217, 272, 329]$$

*J00G75M*=Maximalfarbe

