

Beziehung adaptiertes (a) CIELAB ( $C^*_{ab,a}$ ,  $L^*$ ) und relatives CIELAB ( $c^*$ ,  $t^*$ ) System: HG88\_FRS09\_92\_D65\_00%\_00

CIELAB-Buntonwinkel:

$$h_{ab,d} = [34, 92, 143, 225, 313, 338]$$

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

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

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

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

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

$$Y00L \quad M = \text{Maximalfarbe}$$

**J00G J00G**

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

$$Y000Y_b^*_{lab*} = c^*_{lab*} \sin h_{ab}$$

**R00J**

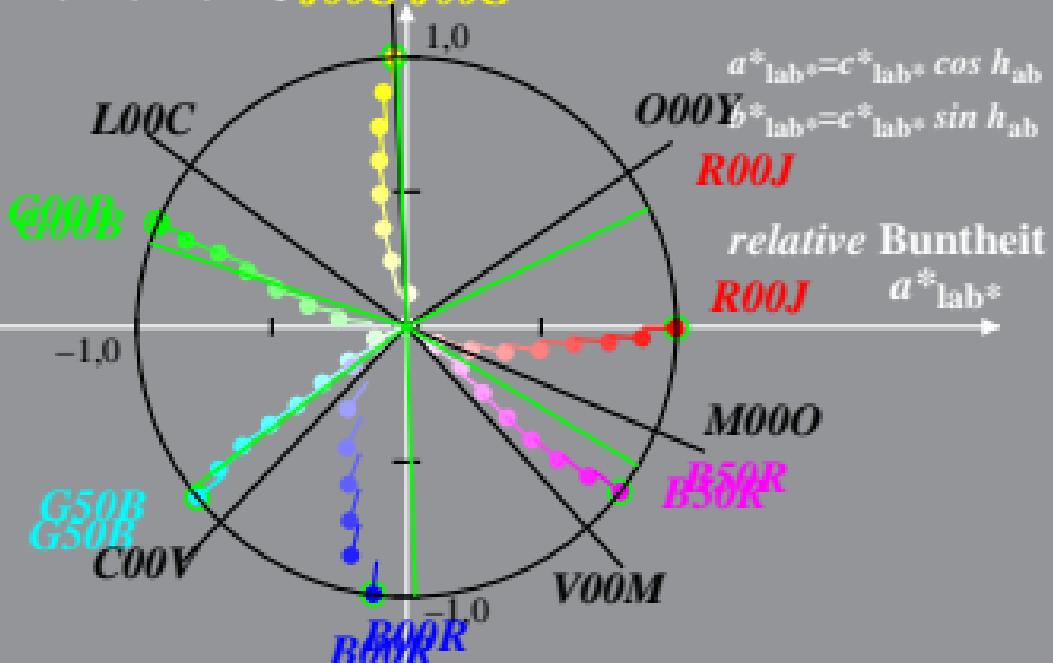
relative Buntheit

**R00J**  $a^*_{lab*}$

**M00O**

**B50R**

**B50R**



Beziehung adaptiertes (a) CIELAB ( $C^*_{ab,a}$ ,  $L^*$ ) und relatives CIELAB ( $c^*$ ,  $t^*$ ) System: HG88\_FRS09\_92\_D65\_00%\_01

CIELAB-Buntonwinkel:

$$h_{ab,d} = [34, 92, 143, 225, 313, 338]$$

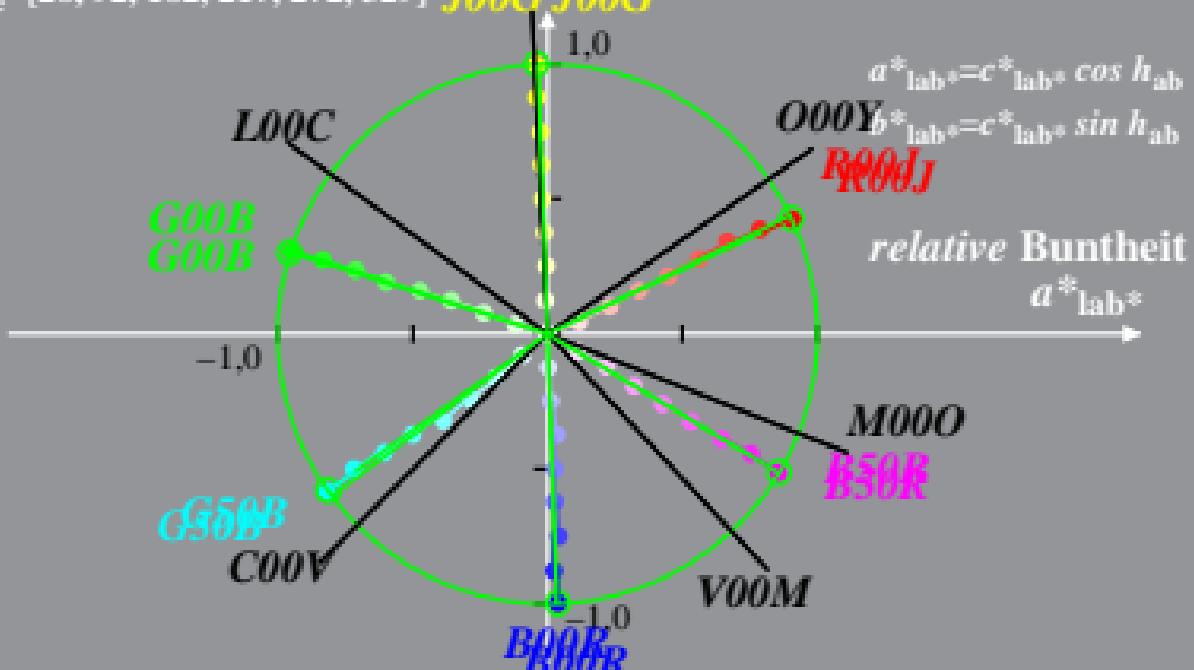
$$h_{ab,ex} = [26, 92, 162, 217, 272, 329] \quad Y00L$$

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

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

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

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



Beziehung adaptiertes (a) CIELAB ( $C^*_{ab,a}$ ,  $L^*$ ) und relatives CIELAB ( $c^*$ ,  $t^*$ ) System: HG88\_FRS09\_92\_D65\_25%\_00

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

CIELAB-Buntonwinkel:

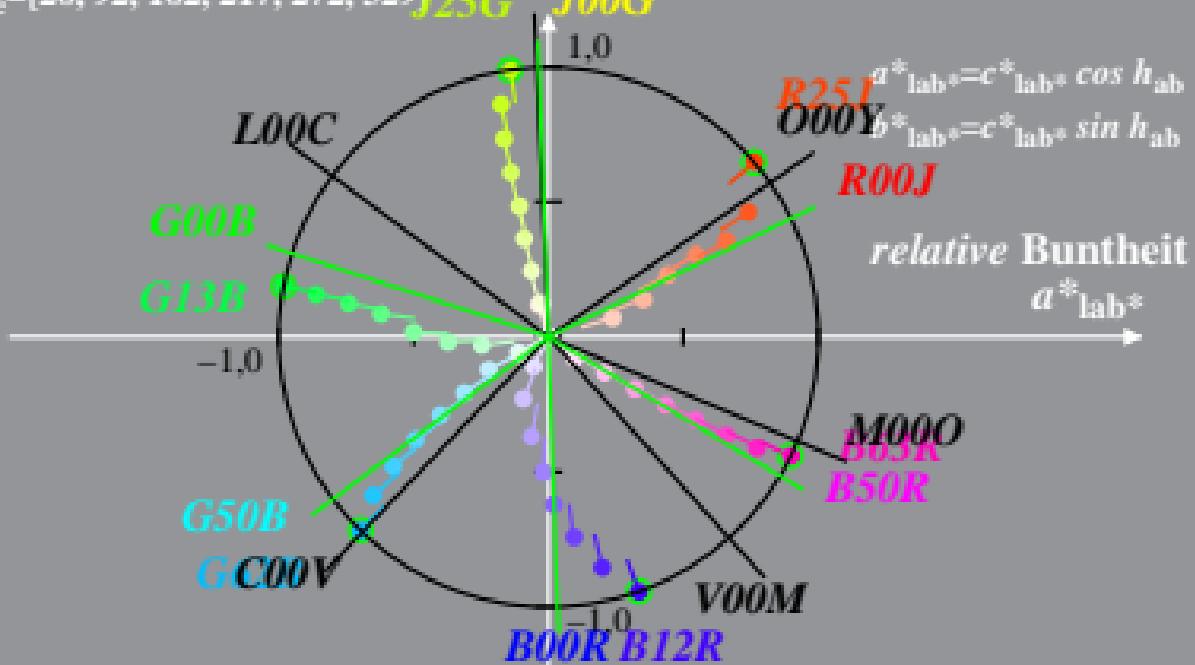
$$h_{ab,d} = [34, 92, 143, 225, 313, 338]$$

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

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

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

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



Beziehung adaptiertes (a) CIELAB ( $C^*_{ab,a}$ ,  $L^*$ ) und relatives CIELAB ( $c^*$ ,  $t^*$ ) System: HG88\_FRS09\_92\_D65\_25%\_01

CIELAB-Buntonwinkel:

$$h_{ab,d} = [34, 92, 143, 225, 313, 338]$$

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

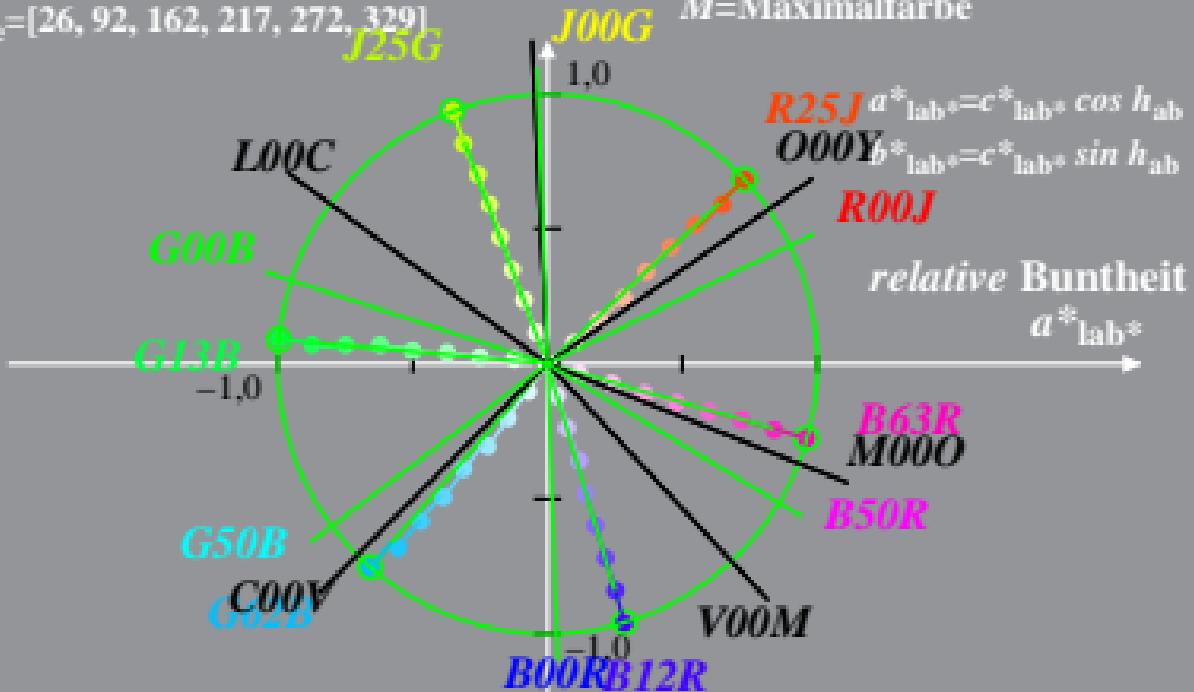
$$h_{ab,e} = [26, 92, 162, 217, 272, 329]$$

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

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

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

$M$ =Maximalfarbe



Beziehung adaptiertes (a) CIELAB ( $C^*_{ab,a}$ ,  $L^*$ ) und relatives CIELAB ( $c^*$ ,  $l^*$ ) System: HG88\_FRS09\_92\_D65\_50%\_00

CIELAB-Buntonwinkel:

$$h_{ab,d} = [34, 92, 143, 225, 313, 338]$$

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

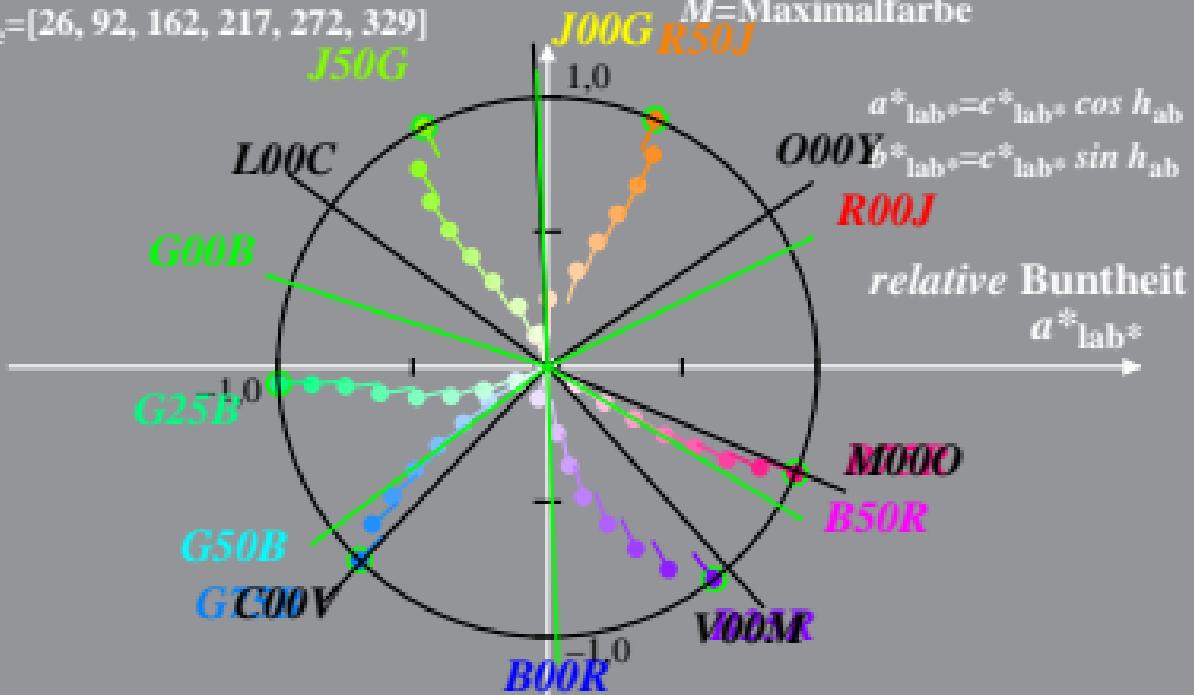
$$h_{ab,e} = [26, 92, 162, 217, 272, 329]$$

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

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

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

$M$ =Maximalfarbe



Beziehung adaptiertes (a) CIELAB ( $C^*_{ab,a}$ ,  $L^*$ ) und relatives CIELAB ( $c^*$ ,  $l^*$ ) System: HG88\_FRS09\_92\_D65\_50%\_01

CIELAB-Buntonwinkel:

$$h_{ab,d} = [34, 92, 143, 225, 313, 338]$$

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

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

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

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

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

$M$ =Maximalfarbe

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

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

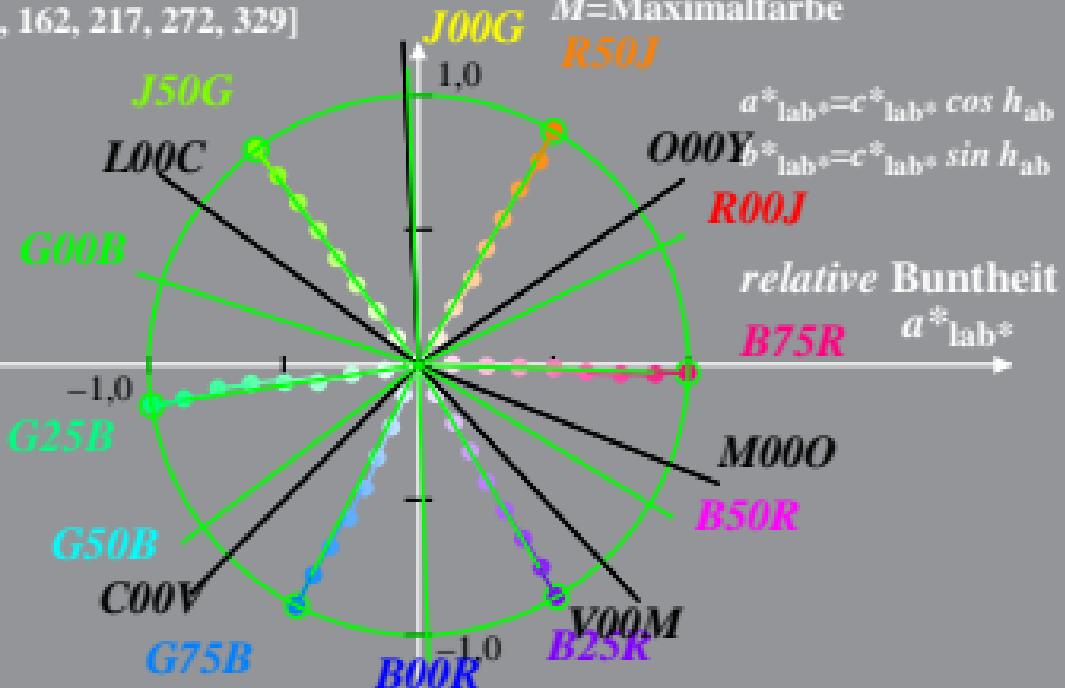
$R00J$

relative Buntheit

$B75R$   $a^*_{lab^*}$

$M00O$

$B50R$



Beziehung adaptiertes (a) CIELAB ( $C^*_{ab,a}$ ,  $L^*$ ) und relatives CIELAB ( $c^*$ ,  $t^*$ ) System: HG88\_FRS09\_92\_D65\_75%\_00

CIELAB-Buntonwinkel:

$$h_{ab,d} = [34, 92, 143, 225, 313, 338]$$

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

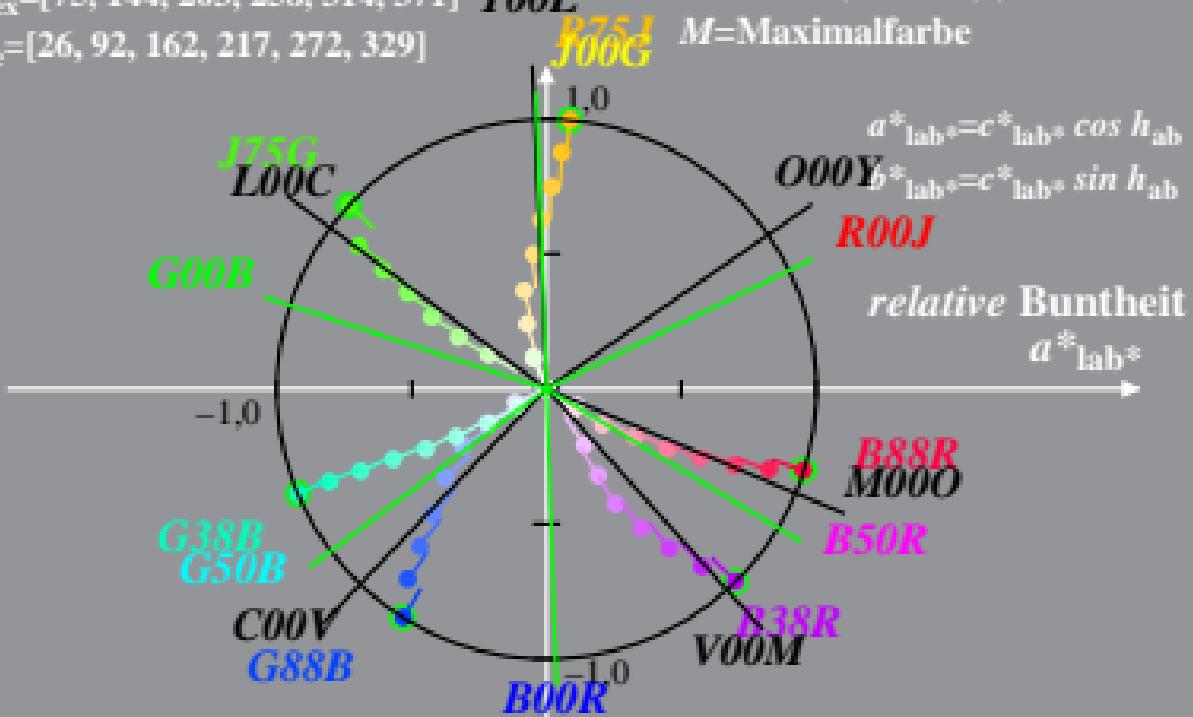
$$h_{ab,e} = [26, 92, 162, 217, 272, 329]$$

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

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

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

$b^*_{lab^*}$   $Y00L$   $J75G$   $f00G$   $R00Y$   $M=Maximalfarbe$



Beziehung adaptiertes (a) CIELAB ( $C^*_{ab,a}$ ,  $L^*$ ) und relatives CIELAB ( $c^*$ ,  $l^*$ ) System: HG88\_FRS09\_92\_D65\_75%\_01

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

CIELAB-Buntonwinkel:

$$h_{ab,d} = [34, 92, 143, 225, 313, 338]$$

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

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

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

*J00G75M*=Maximalfarbe

