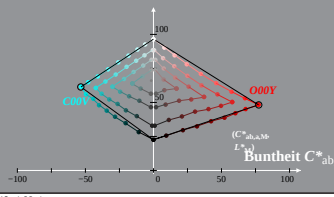
Siehe Original/Kopie: http://web.me.com/klaus.richter/JG94/JG94L0NP.PDF /.PS
Technische Information: http://www.ps.bam.de oder http://130.149.60.45/~farbmetrik

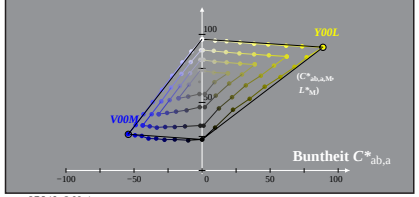
TUB-Registrierung: 20100301-JG94/JG94L0NP.PDF /.PS
Anwendung für Beurteilung und Messung von Drucker− oder Monitorsystemen
TUB-Material: Code=rha4ta

Beziehung CIELAB (L^*, a^*, b^*) und *adaptiertes (a)* CIELAB ($C^*_{ab,a}$, L^*)
System: JG94_ORS20_95_D65_cmyn6*
Buntton: h^*_{O00Y}=38 /360; h^*_{C00V}=236 /360
$l^*_{lab*}=(L^*-L^*_N)/(L^*_W-L^*_N)$
$a^*_a=a^*-a^*_N-l^*_{lab*}[a^*_W-a^*_N]$
$b^*_a=b^*-b^*_N-l^*_{lab*}[b^*_W-b^*_N]$
$C^*_{ab,a}=[a^{*2}_a+b^{*2}_a]^{1/2}$



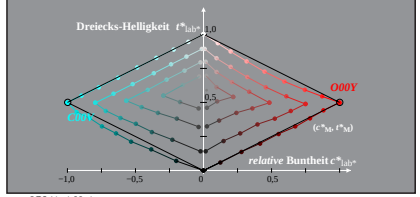
JG940−1 N, 1

Beziehung CIELAB (L^*, a^*, b^*) und *adaptiertes (a)* CIELAB ($C^*_{ab,a}$, L^*)
System: JG94_ORS20_95_D65_cmyn6*
Buntton: h^*_{Y00L}=96 /360; h^*_{V00M}=305 /360
$l^*_{lab*}=(L^*-L^*_N)/(L^*_W-L^*_N)$
$a^*_a=a^*-a^*_N-l^*_{lab*}[a^*_W-a^*_N]$
$b^*_a=b^*-b^*_N-l^*_{lab*}[b^*_W-b^*_N]$
$C^*_{ab,a}=[a^{*2}_a+b^{*2}_a]^{1/2}$



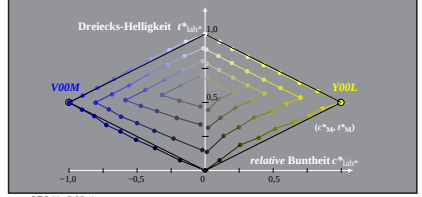
JG940−2 N, 1

Beziehung *adaptiertes (a)* CIELAB ($C^*_{ab,a}$, L^*) und *relatives* CIELAB (c^*, t^*)
System: JG94_ORS20_95_D65_cmyn6*
Buntton: h^*_{O00Y}=38 /360; h^*_{C00V}=236 /360
$l^*_M=(L^*_M-L^*_N)/(L^*_W-L^*_N)$
$t^*_{lab*}=l^*_{lab*}-c^*_{lab*}[l^*_M-0,5]$
$c^*_{lab*}=C^*_{ab,a}/C^*_{ab,a,M}$
M=Maximalfarbe



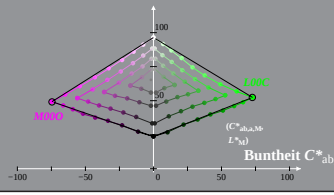
JG941−1 N, 1

Beziehung *adaptiertes (a)* CIELAB ($C^*_{ab,a}$, L^*) und *relatives* CIELAB (c^*, t^*)
System: JG94_ORS20_95_D65_cmyn6*
Buntton: h^*_{Y00L}=96 /360; h^*_{V00M}=305 /360
$l^*_M=(L^*_M-L^*_N)/(L^*_W-L^*_N)$
$t^*_{lab*}=l^*_{lab*}-c^*_{lab*}[l^*_M-0,5]$
$c^*_{lab*}=C^*_{ab,a}/C^*_{ab,a,M}$
M=Maximalfarbe



JG941−2 N, 1

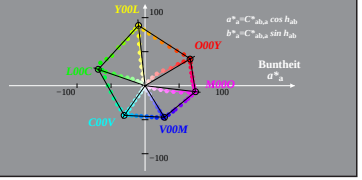
Beziehung CIELAB (L^*, a^*, b^*) und *adaptiertes (a)* CIELAB ($C^*_{ab,a}$, L^*)
System: JG94_ORS20_95_D65_cmyn6*
Buntton: h^*_{L00C}=151 /360; h^*_{M00O}=354 /360
$l^*_{lab*}=(L^*-L^*_N)/(L^*_W-L^*_N)$
$a^*_a=a^*-a^*_N-l^*_{lab*}[a^*_W-a^*_N]$
$b^*_a=b^*-b^*_N-l^*_{lab*}[b^*_W-b^*_N]$
$C^*_{ab,a}=[a^{*2}_a+b^{*2}_a]^{1/2}$



JG940−3 N, 1

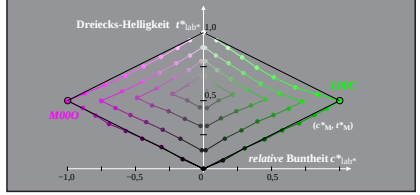
Beziehung CIELAB (L^*, a^*, b^*) und *adaptiertes (a)* CIELAB ($C^*_{ab,a}$, L^*)
System: JG94_ORS20_95_D65_cmyn6*
$l^*_{lab*}=(L^*-L^*_N)/(L^*_W-L^*_N)$
$a^*_a=a^*-a^*_N-l^*_{lab*}[a^*_W-a^*_N]$
$b^*_a=b^*-b^*_N-l^*_{lab*}[b^*_W-b^*_N]$
$C^*_{ab,a}=[a^{*2}_a+b^{*2}_a]^{1/2}$

CIELAB-Bunttonwinkel:
$h_{ab,a}$=[34 , 92 , 143 , 226 , 312 , 337]
$h_{ab,ab}$=[34 , 92 , 143 , 226 , 311 , 337]



JG940−4 N, 1

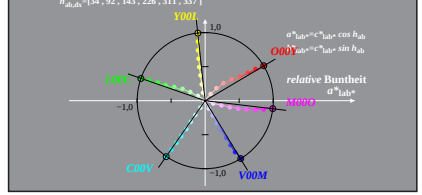
Beziehung *adaptiertes (a)* CIELAB ($C^*_{ab,a}$, L^*) und *relatives* CIELAB (c^*, t^*)
System: JG94_ORS20_95_D65_cmyn6*
Buntton: h^*_{L00C}=151 /360; h^*_{M00O}=354 /360
$l^*_M=(L^*_M-L^*_N)/(L^*_W-L^*_N)$
$t^*_{lab*}=l^*_{lab*}-c^*_{lab*}[l^*_M-0,5]$
$c^*_{lab*}=C^*_{ab,a}/C^*_{ab,a,M}$
M=Maximalfarbe



JG941−3 N, 1

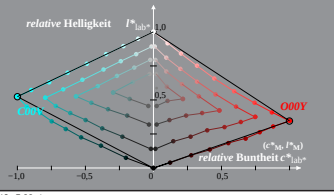
Beziehung *adaptiertes (a)* CIELAB ($C^*_{ab,a}$, L^*) und *relatives* CIELAB (c^*, t^*)
System: JG94_ORS20_95_D65_cmyn6*
$l^*_M=(L^*_M-L^*_N)/(L^*_W-L^*_N)$
$t^*_{lab*}=l^*_{lab*}-c^*_{lab*}[l^*_M-0,5]$
$c^*_{lab*}=C^*_{ab,a}/C^*_{ab,a,M}$
M=Maximalfarbe

CIELAB-Bunttonwinkel:
$h_{ab,a}$=[34 , 92 , 143 , 226 , 312 , 337]
$h_{ab,ab}$=[34 , 92 , 143 , 226 , 311 , 337]



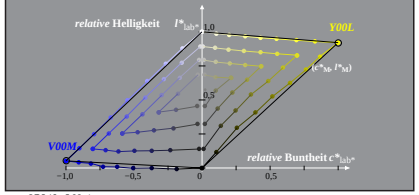
JG941−4 N, 1

***Adaptiertes (a)* CIELAB ($C^*_{ab,a}$, L^*) und *relatives* CIELAB (c^*_{lab*}, l^*_{lab*})**
System: JG94_ORS20_95_D65_cmyn6*
Buntton: h^*_{O00Y}=38 /360; h^*_{C00V}=236 /360
$l^*_{lab*}=(L^*-L^*_N)/(L^*_W-L^*_N)$
$c^*_{lab*}=C^*_{ab,a}/C^*_{ab,a,M}$
M=Maximalfarbe



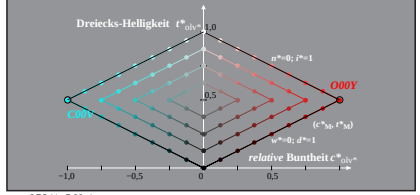
JG940−5 N, 1

***Adaptiertes (a)* CIELAB ($C^*_{ab,a}$, L^*) und *relatives* CIELAB (c^*_{lab*}, l^*_{lab*})**
System: JG94_ORS20_95_D65_cmyn6*
Buntton: h^*_{Y00L}=96 /360; h^*_{V00M}=305 /360
$l^*_{lab*}=(L^*-L^*_N)/(L^*_W-L^*_N)$
$c^*_{lab*}=C^*_{ab,a}/C^*_{ab,a,M}$
M=Maximalfarbe



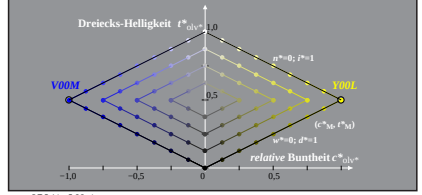
JG940−6 N, 1

Beziehung *olv und *relative* Buntheit c^*_{olv*} und Dreiecks-Helligkeit t^*_{olv*}**
System: JG94_ORS20_95_D65_cmyn6*
Buntton: h^*_{O00Y}=38 /360; h^*_{C00V}=236 /360
Ergebnis: $c^*_{olv*}=c^*_{lab*}$; $t^*_{olv*}=t^*_{lab*}$
c^*_{olv*}=max (olv^*) − min (olv^*)
n^*=1 − max (olv^*)= 1 − i^*
w^*=min (olv^*)= 1 − d^*
$t^*_{olv*}=w^*+0,5\,c^*_{olv*}$
M=Maximalfarbe



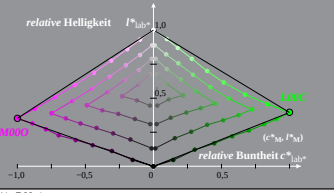
JG941−5 N, 1

Beziehung *olv und *relative* Buntheit c^*_{olv*} und Dreiecks-Helligkeit t^*_{olv*}**
System: JG94_ORS20_95_D65_cmyn6*
Buntton: h^*_{Y00L}=96 /360; h^*_{V00M}=305 /360
Ergebnis: $c^*_{olv*}=c^*_{lab*}$; $t^*_{olv*}=t^*_{lab*}$
c^*_{olv*}=max (olv^*) − min (olv^*)
n^*=1 − max (olv^*)= 1 − i^*
w^*=min (olv^*)= 1 − d^*
$t^*_{olv*}=w^*+0,5\,c^*_{olv*}$
M=Maximalfarbe



JG941−6 N, 1

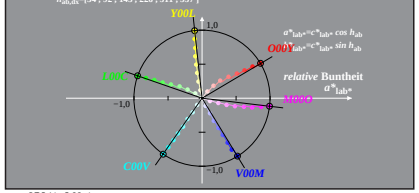
***Adaptiertes (a)* CIELAB ($C^*_{ab,a}$, L^*) und *relatives* CIELAB (c^*_{lab*}, l^*_{lab*})**
System: JG94_ORS20_95_D65_cmyn6*
Buntton: h^*_{L00C}=151 /360; h^*_{M00O}=354 /360
$l^*_{lab*}=(L^*-L^*_N)/(L^*_W-L^*_N)$
$c^*_{lab*}=C^*_{ab,a}/C^*_{ab,a,M}$
M=Maximalfarbe



JG941−7 N, 1

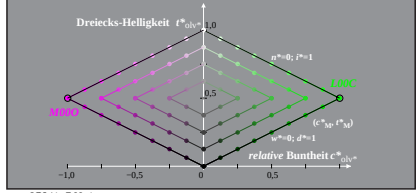
***Adaptiertes (a)* CIELAB ($C^*_{ab,a}$, L^*) und *relatives* CIELAB (c^*_{lab*}, l^*_{lab*})**
System: JG94_ORS20_95_D65_cmyn6*
$l^*_{lab*}=(L^*-L^*_N)/(L^*_W-L^*_N)$
$c^*_{lab*}=C^*_{ab,a}/C^*_{ab,a,M}$
M=Maximalfarbe

CIELAB-Bunttonwinkel:
$h_{ab,a}$=[34 , 92 , 143 , 226 , 312 , 337]
$h_{ab,ab}$=[34 , 92 , 143 , 226 , 311 , 337]



JG941−8 N, 1

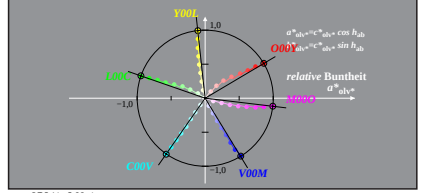
Beziehung *olv und *relative* Buntheit c^*_{olv*} und Dreiecks-Helligkeit t^*_{olv*}**
System: JG94_ORS20_95_D65_cmyn6*
Buntton: h^*_{L00C}=151 /360; h^*_{M00O}=354 /360
Ergebnis: $c^*_{olv*}=c^*_{lab*}$; $t^*_{olv*}=t^*_{lab*}$
c^*_{olv*}=max (olv^*) − min (olv^*)
n^*=1 − max (olv^*)= 1 − i^*
w^*=min (olv^*)= 1 − d^*
$t^*_{olv*}=w^*+0,5\,c^*_{olv*}$
M=Maximalfarbe



JG941−7 N, 1

Beziehung *olv und *relative* Buntheit c^*_{olv*} oder Buntheit a^*_{olv*}, b^*_{olv*}**
System: JG94_ORS20_95_D65_cmyn6*
Ergebnis: $c^*_{olv*}=c^*_{lab*}$; $t^*_{olv*}=t^*_{lab*}$
c^*_{olv*}=max (olv^*) − min (olv^*)
n^*=1 − max (olv^*)= 1 − i^*
w^*=min (olv^*)= 1 − d^*
$t^*_{olv*}=w^*+0,5\,c^*_{olv*}$

CIELAB-Bunttonwinkel:



JG941−8 N, 1

JG940−7N: Messung: JG94_ORS20_95_D65_cmyn6*_LUT.DAT, 243 Farben, 090115, Separation olv*, adaptiert