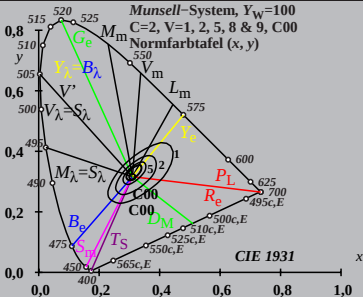


Munsell-System, $Y_w=100$
 $C=2, V=1, 2, 5, 8 \text{ \& } 9, C00$
 Normfarbtafel (x, y)



$$X_w=98,07, Y_w=100,00, Z_w=118,22 \quad B^*_0$$

$$x_w=0,3100 \quad y_w=0,3161$$

$$A^*_0=(a_0-[a_{0,n}+a_{0,Y}+a_{0,A}])Y_{18}(Y/Y_{18})^{1/3}$$

$$B^*_0=(b_0-[b_{0,n}+b_{0,Y}+b_{0,A}])Y_{18}(Y/Y_{18})^{1/3}$$

$$a_0 = a_{20} [x/y]$$

$$b_0 = b_{20} [z/y]$$

$$a_{20} = 1, \quad b_{20} = -0,4$$

$$n = C00$$

$$a_{0,Y}=a_{2Y}(Y/Y_{18}-1)$$

$$b_{0,Y}=b_{2Y}(Y/Y_{18}-1)$$

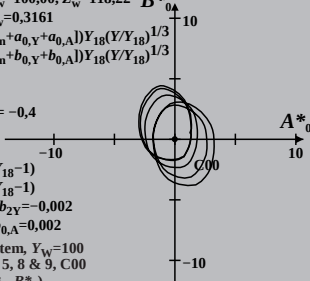
$$a_{2Y}=-0,002, \quad b_{2Y}=-0,002$$

$$a_{0,A}=0,003, \quad b_{0,A}=0,002$$

$$\text{Munsell-System, } Y_w=100$$

$$C=2, \quad V=1, 2, 5, 8 \text{ \& } 9, \quad C00$$

$$\text{Buntheit } (A^*_0, B^*_0)$$



$$X_w=98,07, Y_w=100,00, Z_w=118,22 \quad B^*$$

$$x_w=0,3100 \quad y_w=0,3161$$

$$A^*_1=(a_1-[a_{1,n}+a_{1,Y}+a_{1,A}])Y_{18}(Y/Y_{18})^{1/3}$$

$$B^*_1=(b_1-[b_{1,n}+b_{1,Y}+b_{1,A}])Y_{18}(Y/Y_{18})^{1/3}$$

$$a_1 = a_{20} [(x-0,171)/y]$$

$$b_1 = b_{20} [z/y]$$

$$a_{20} = 1, \quad b_{20} = -0,4$$

$$m_{T1}=1,000, \quad b_{T1}=0,171$$

$$n = C00$$

$$a_{1,Y}=a_{2Y}(Y/Y_{18}-1)$$

$$b_{1,Y}=b_{2Y}(Y/Y_{18}-1)$$

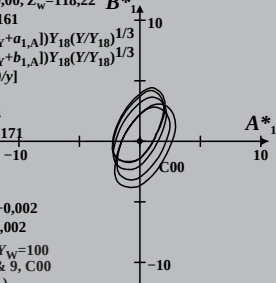
$$a_{2Y}=-0,002, \quad b_{2Y}=-0,002$$

$$a_{1,A}=0,003, \quad b_{1,A}=0,002$$

$$\text{Munsell-System, } Y_w=100$$

$$C=2, \quad V=1, 2, 5, 8 \text{ \& } 9, \quad C00$$

$$\text{Buntheit } (A^*_1, B^*_1)$$



$$X_w=98,07, Y_w=100,00, Z_w=118,22 \quad B^*_2$$

$$x_w=0,3100 \quad y_w=0,3161$$

$$A^*_2=(a_2-[a_{2,n}+a_{2,Y}+a_{2,A}])Y_{18}(Y/Y_{18})^{1/3}$$

$$B^*_2=(b_2-[b_{2,n}+b_{2,Y}+b_{2,A}])Y_{18}(Y/Y_{18})^{1/3}$$

$$a_2 = a_{20} [(x-0,171)/y]$$

$$b_2=b_{20} [(m_{P1}x+b_{P1})/y]$$

$$a_{20} = 1, \quad b_{20} = -0,4$$

$$m_{P1}=-0,169, \quad b_{P1}=0,389$$

$$n = C00$$

$$a_{2,Y}=a_{2Y}(Y/Y_{18}-1)$$

$$b_{2,Y}=b_{2Y}(Y/Y_{18}-1)$$

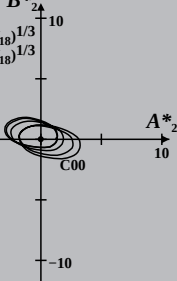
$$a_{2Y}=-0,002, \quad b_{2Y}=-0,002$$

$$a_{2,A}=0,003, \quad b_{2,A}=0,002$$

$$\text{Munsell-System, } Y_w=100$$

$$C=2, \quad V=1, 2, 5, 8 \text{ \& } 9, \quad C00$$

$$\text{Buntheit } (A^*_2, B^*_2)$$



$X_w=98,07, Y_w=100,00, Z_w=118,22$ B^*_3

$x_w=0,3100$ $y_w=0,3161$

$A^*_3=(a_3-[a_{3,n}+a_{3,Y}+a_{3,A}])Y_{18}(Y/Y_{18})^{1/3}$

$B^*_3=(b_3-[b_{3,n}+b_{3,Y}+b_{3,A}])Y_{18}(Y/Y_{18})^{1/3}$

$a_3 = a_{20} [(x-0,171)/y]$

$b_3=b_{20} [(m_{D1}x+b_{D1})/y]$

$a_{20} = 1, b_{20} = -0,4$

$m_{D1}=-0,974, b_{D1}=0,658$

$n = C00$

$a_{3,Y}=a_{2Y}(Y/Y_{18}-1)$

$b_{3,Y}=b_{2Y}(Y/Y_{18}-1)$

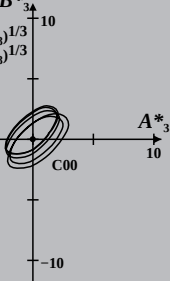
$a_{2Y}=-0,002, b_{2Y}=-0,002$

$a_{3,A}=0,003, b_{3,A}=0,002$

Munsell-System, $Y_w=100$

$C=2, V=1, 2, 5, 8 \text{ \& } 9, C00$

Buntheit (A^*_3, B^*_3)



$X_w=98,07, Y_w=100,00, Z_w=118,22$ B^*

$x_w=0,3100$ $y_w=0,3161$

$A^*_4=(a_4-[a_{4,n}+a_{4,Y}+a_{4,A}])Y_{18}(Y/Y_{18})^{1/3}$

$B^*_4=(b_4-[b_{4,n}+b_{4,Y}+b_{4,A}])Y_{18}(Y/Y_{18})^{1/3}$

$a_4 = a_{20} [(x-0,171)/y]$

$b_4=b_{20} [(m_{P1}x+b_{P1})/y]$

$a_{20} = 1, b_{20} = -0,4$

$m_{P1}=-0,169, b_{P1}=0,389$

$n = C00$

$a_{4,Y}=a_{2Y}(Y/Y_{18}-1)$

$b_{4,Y}=b_{2Y}(Y/Y_{18}-1)$

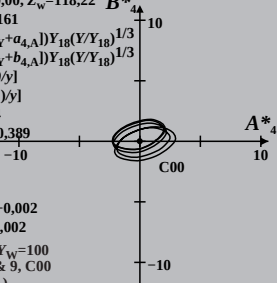
$a_{2Y}=-0,002, b_{2Y}=-0,002$

$a_{4,A}=0,003, b_{4,A}=0,002$

Munsell-System, $Y_w=100$

$C=2, V=1, 2, 5, 8 \text{ \& } 9, C00$

Buntheit (A^*_4, B^*_4)



$$X_w=98,07, Y_w=100,00, Z_w=118,22 \quad B^*$$

$$x_w=0,3100 \quad y_w=0,3161$$

$$A^*_5=(a_5-[a_{5,n}+a_{5,Y}+a_{5,A}])Y_{18}(Y/Y_{18})^{1/3}$$

$$B^*_5=(b_5-[b_{5,n}+b_{5,Y}+b_{5,A}])Y_{18}(Y/Y_{18})^{1/3}$$

$$a_5=a_{2x}[(0,86x-0,71y-0,026)/y]$$

$$b_5=b_{2x}[(0,19x+0,38y-0,24)/y]$$

$$a_{2x} = 1,00, b_{2x} = 1,00$$

$$\lambda_{B,G,Y,R}=475,503,574,494 \text{ nm}$$

$$n = C00$$

$$a_{5,Y}=a_{2Y}(Y/Y_{18}-1)$$

$$b_{5,Y}=b_{2Y}(Y/Y_{18}-1)$$

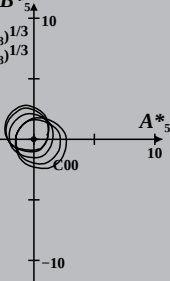
$$a_{2Y}=-0,002, b_{2Y}=-0,002$$

$$a_{5,A}=0,003, b_{5,A}=0,002$$

$$\text{Munsell-System, } Y_w=100$$

$$C=2, V=1, 2, 5, 8 \text{ \& } 9, C00$$

$$\text{Buntheit } (A^*_5, B^*_5)$$



$X_w=98,07, Y_w=100,00, Z_w=118,22$ B^*_6

$x_w=0,3100$ $y_w=0,3161$

$A^*_6=(a_6-[a_{6,n}+a_{6,Y}+a_{6,A}])Y_{18}(Y/Y_{18})^{1/3}$

$B^*_6=(b_6-[b_{6,n}+b_{6,Y}+b_{6,A}])Y_{18}(Y/Y_{18})^{1/3}$

$a_6 = a_{20} [x/y]$

$b_6=b_{20} [(m_{D1}x+b_{D1})/y]$

$a_{20} = 1, b_{20} = -0,4$

$m_{D1}=-0,974, b_{D1}=0,658$

$n = C00$

$a_{6,Y}=a_{2Y}(Y/Y_{18}-1)$

$b_{6,Y}=b_{2Y}(Y/Y_{18}-1)$

$a_{2Y}=-0,002, b_{2Y}=-0,002$

$a_{6,A}=0,003, b_{6,A}=0,002$

Munsell-System, $Y_w=100$

$C=2, V=1, 2, 5, 8 \text{ \& } 9, C00$

Buntheit (A^*_6, B^*_6)

