

Ostwald Farben (o), $Y_W=100$

max (m) Buntwert, Q00

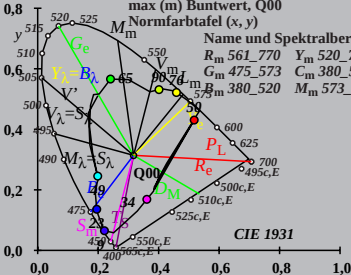
Normfarbtafel (x, y)

Name und Spektralbereich

R_m 561_770 Y_m 520_770

G_m 475_573 C_m 380_561

B_m 380_520 M_m 573_475



CIE 1931

x

$X_w=99,99, Y_w=100,00, Z_w=99,99$

$x_w=0,3333, y_w=0,3333$

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

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

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

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

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

$n = Q00$

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

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

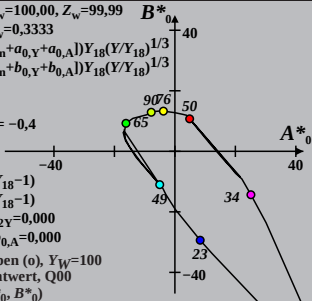
$a_{2Y}=0,000, b_{2Y}=0,000$

$a_{0,A}=0,000, b_{0,A}=0,000$

Ostwald Farben (o), $Y_w=100$

max (m) Buntwert, Q00

Buntheit (A^*_0, B^*_0)



$X_w=99,99, Y_w=100,00, Z_w=99,99$

$x_w=0,3333 \ y_w=0,3333$

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

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

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

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

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

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

$n = Q00$

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

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

$a_{2Y}=0,000, \ b_{2Y}=0,000$

$a_{1,A}=0,000, \ b_{1,A}=0,000$

Ostwald Farben (o), $Y_w=100$

max (m) Buntwert, Q00

Buntheit (A^*_1, B^*_1)

B^*_1

1
40

90
86
50

65

A^*_1

40

49

34

23

-40

$X_w=99,99, Y_w=100,00, Z_w=99,99$

$x_w=0,3333 \ y_w=0,3333$

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

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

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

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

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

$m_{P1}=-0,107, \ b_{P1}=0,369$

$n = Q00$

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

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

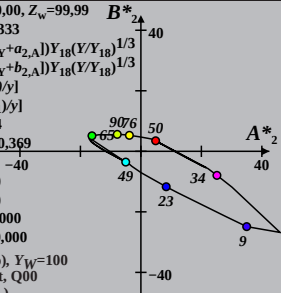
$a_{2Y}=0,000, \ b_{2Y}=0,000$

$a_{2,A}=0,000, \ b_{2,A}=0,000$

Ostwald Farben (o), $Y_w=100$

max (m) Buntwert, Q00

Buntheit (A^*_2, B^*_2)



$X_w=99,99, Y_w=100,00, Z_w=99,99$

$x_w=0,3333 \ y_w=0,3333$

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

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

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

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

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

$m_{D1}=-0,730, \ b_{D1}=0,576$

$n = Q00$

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

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

$a_{2Y}=0,000, \ b_{2Y}=0,000$

$a_{3,A}=0,000, \ b_{3,A}=0,000$

Ostwald Farben (o), $Y_w=100$

max (m) Buntwert, Q00

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

B^*_3



$X_w=99,99, Y_w=100,00, Z_w=99,99$

$x_w=0,3333 \ y_w=0,3333$

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

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

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

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

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

$m_{P1}=-0,107, \ b_{P1}=0,369$

$n = Q00$

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

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

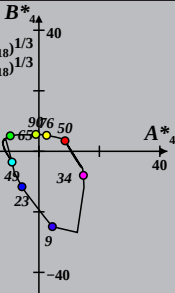
$a_{2Y}=0,000, \ b_{2Y}=0,000$

$a_{4,A}=0,000, \ b_{4,A}=0,000$

Ostwald Farben (o), $Y_w=100$

max (m) Buntwert, Q00

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



$X_w=99,99, Y_w=100,00, Z_w=99,99$

$x_w=0,3333, y_w=0,3333$

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

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

$a_5=a_{2x}[(+8,61x-7,19y-0,26)/y]$

$b_5=b_{2x}[(+1,99x+3,86y-2,40)/y]$

$a_{2x}=0,10, b_{2x}=0,10$

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

$n = Q00$

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

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

$a_{2Y}=0,000, b_{2Y}=0,000$

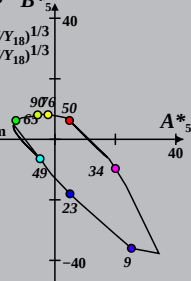
$a_{5,A}=0,000, b_{5,A}=0,000$

Ostwald Farben (o), $Y_w=100$

max (m) Buntwert, Q00

Buntheit (A^*_5, B^*_5)

B^*_5



$X_w=99,99, Y_w=100,00, Z_w=99,99$

$x_w=0,3333 \ y_w=0,3333$

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

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

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

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

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

$m_{D1}=-0,730, \ b_{D1}=0,576$

$n = Q00$

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

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

$a_{2Y}=0,000, \ b_{2Y}=0,000$

$a_{6,A}=0,000, \ b_{6,A}=0,000$

Ostwald Farben (o), $Y_w=100$

max (m) Buntwert, Q00

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

B^*_6

6

40

90

76

65

50

34

49

23

9

A^*_6

40

-40