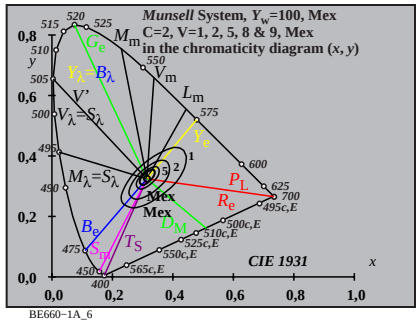
see similar files: http://farbe.li.tu-berlin.de/BE66/BE66.HTM
technical information: http://farbe.li.tu-berlin.de or http://130.149.60.45/~farbmetrik

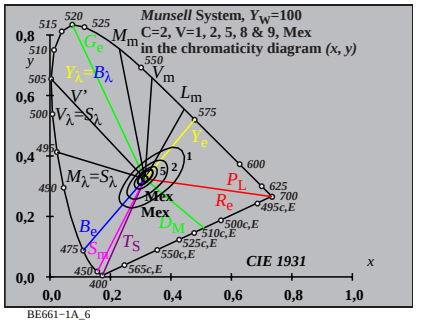
TUB registration: 20170801-BE66/BE66L0NP.PDF /.PS
application for measurement of display output

TUB material: code=rha4ta



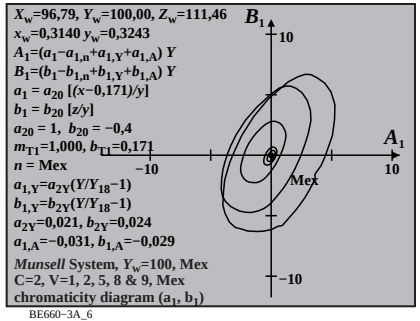
BE660−1A_6

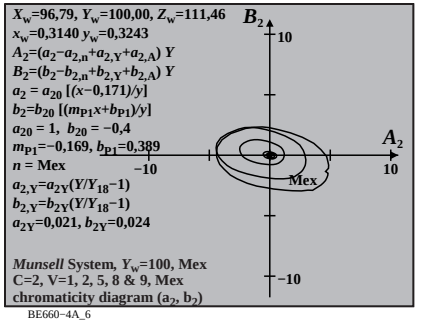
X_w=96,79, Y_w=100,00, Z_w=111,46
x_w=0,3140 y_w=0,3243
$A_0=(a_0-a_{0,n}+a_{0,Y}+a_{0,A})\,Y$
$B_0=(b_0-b_{0,n}+b_{0,Y}+b_{0,A})\,Y$
$a_0 = a_{20}\,[x/y]$
$b_0 = b_{20}\,[z/y]$
$a_{20} = 1,\ b_{20} = -0{,}4$
n = Mex
$a_{0,Y}=a_{2Y}(Y/Y_{18}-1)$
$b_{0,Y}=b_{2Y}(Y/Y_{18}-1)$
$a_{2Y}=0{,}021,\ b_{2Y}=0{,}024$
$a_{0,A}=-0{,}031,\ b_{0,A}=-0{,}029$
Munsell System, Y_w=100, Mex
C=2, V=1, 2, 5, 8 & 9, Mex
chromaticity diagram (a_0, b_0)
BE660−2A_6

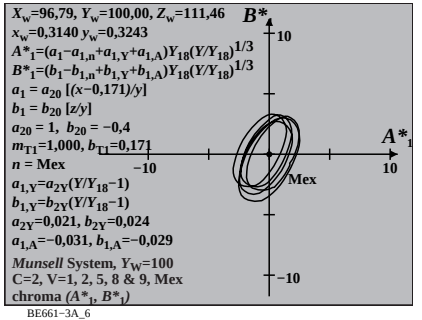


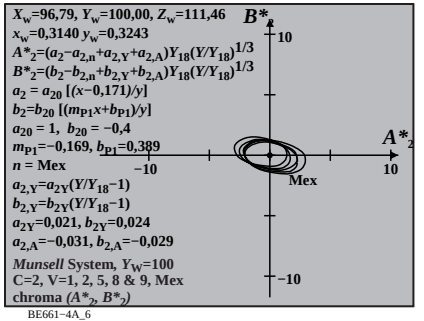
BE661−1A_6

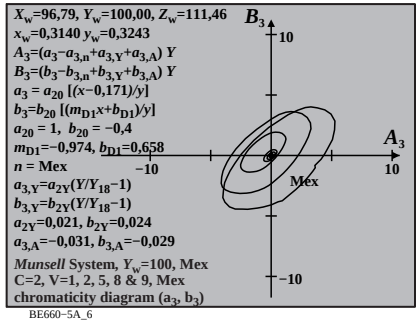
X_w=96,79, Y_w=100,00, Z_w=111,46
x_w=0,3140 y_w=0,3243
$A^*_0=(a_0-a_{0,n}+a_{0,Y}+a_{0,A})Y_{18}(Y/Y_{18})^{1/3}$
$B^*_0=(b_0-b_{0,n}+b_{0,Y}+b_{0,A})Y_{18}(Y/Y_{18})^{1/3}$
$a_0 = a_{20}\,[x/y]$
$b_0 = b_{20}\,[z/y]$
$a_{20} = 1,\ b_{20} = -0{,}4$
n = Mex
$a_{0,Y}=a_{2Y}(Y/Y_{18}-1)$
$b_{0,Y}=b_{2Y}(Y/Y_{18}-1)$
$a_{2Y}=0{,}021,\ b_{2Y}=0{,}024$
$a_{0,A}=-0{,}031,\ b_{0,A}=-0{,}029$
Munsell System, Y_W=100
C=2, V=1, 2, 5, 8 & 9, Mex
chroma (A^*_0, B^*_0)
BE661−2A_6

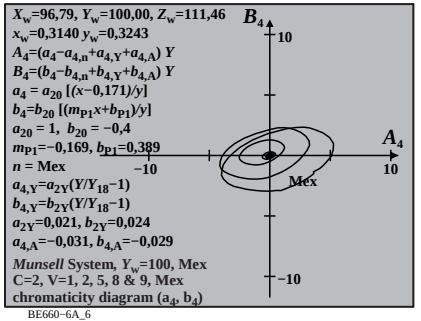

X_w=96,79, Y_w=100,00, Z_w=111,46
x_w=0,3140 y_w=0,3243
$A_1=(a_1-a_{1,n}+a_{1,Y}+a_{1,A})\,Y$
$B_1=(b_1-b_{1,n}+b_{1,Y}+b_{1,A})\,Y$
$a_1 = a_{20}\,[(x-0{,}171)/y]$
$b_1 = b_{20}\,[z/y]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$m_{T1}=1{,}000,\ b_{T1}=0{,}171$
n = Mex
$a_{1,Y}=a_{2Y}(Y/Y_{18}-1)$
$b_{1,Y}=b_{2Y}(Y/Y_{18}-1)$
$a_{2Y}=0{,}021,\ b_{2Y}=0{,}024$
$a_{1,A}=-0{,}031,\ b_{1,A}=-0{,}029$
Munsell System, Y_w=100, Mex
C=2, V=1, 2, 5, 8 & 9, Mex
chromaticity diagram (a_1, b_1)
BE660−3A_6

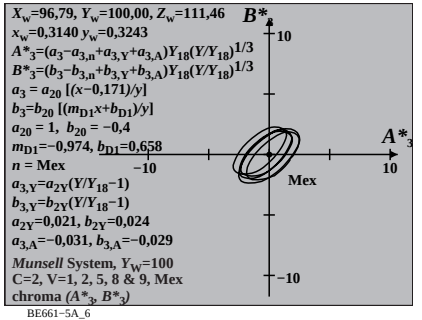

X_w=96,79, Y_w=100,00, Z_w=111,46
x_w=0,3140 y_w=0,3243
$A_2=(a_2-a_{2,n}+a_{2,Y}+a_{2,A})\,Y$
$B_2=(b_2-b_{2,n}+b_{2,Y}+b_{2,A})\,Y$
$a_2 = a_{20}\,[(x-0{,}171)/y]$
$b_2=b_{20}\,[(m_{P1}x+b_{P1})/y]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$m_{P1}=-0{,}169,\ b_{P1}=0{,}389$
n = Mex
$a_{2,Y}=a_{2Y}(Y/Y_{18}-1)$
$b_{2,Y}=b_{2Y}(Y/Y_{18}-1)$
$a_{2Y}=0{,}021,\ b_{2Y}=0{,}024$
Munsell System, Y_w=100, Mex
C=2, V=1, 2, 5, 8 & 9, Mex
chromaticity diagram (a_2, b_2)
BE660−4A_6

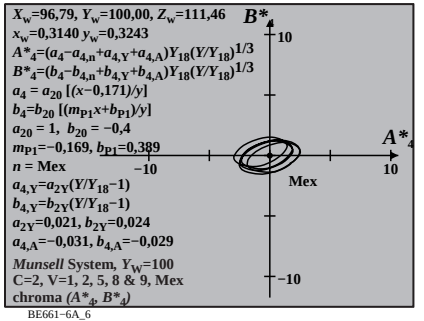

X_w=96,79, Y_w=100,00, Z_w=111,46
x_w=0,3140 y_w=0,3243
$A^*_1=(a_1-a_{1,n}+a_{1,Y}+a_{1,A})Y_{18}(Y/Y_{18})^{1/3}$
$B^*_1=(b_1-b_{1,n}+b_{1,Y}+b_{1,A})Y_{18}(Y/Y_{18})^{1/3}$
$a_1 = a_{20}\,[(x-0{,}171)/y]$
$b_1 = b_{20}\,[z/y]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$m_{T1}=1{,}000,\ b_{T1}=0{,}171$
n = Mex
$a_{1,Y}=a_{2Y}(Y/Y_{18}-1)$
$b_{1,Y}=b_{2Y}(Y/Y_{18}-1)$
$a_{2Y}=0{,}021,\ b_{2Y}=0{,}024$
$a_{1,A}=-0{,}031,\ b_{1,A}=-0{,}029$
Munsell System, Y_W=100
C=2, V=1, 2, 5, 8 & 9, Mex
chroma (A^*_1, B^*_1)
BE661−3A_6

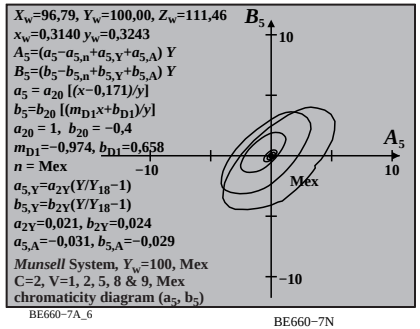

X_w=96,79, Y_w=100,00, Z_w=111,46
x_w=0,3140 y_w=0,3243
$A^*_2=(a_2-a_{2,n}+a_{2,Y}+a_{2,A})Y_{18}(Y/Y_{18})^{1/3}$
$B^*_2=(b_2-b_{2,n}+b_{2,Y}+b_{2,A})Y_{18}(Y/Y_{18})^{1/3}$
$a_2 = a_{20}\,[(x-0{,}171)/y]$
$b_2=b_{20}\,[(m_{P1}x+b_{P1})/y]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$m_{P1}=-0{,}169,\ b_{P1}=0{,}389$
n = Mex
$a_{2,Y}=a_{2Y}(Y/Y_{18}-1)$
$b_{2,Y}=b_{2Y}(Y/Y_{18}-1)$
$a_{2Y}=0{,}021,\ b_{2Y}=0{,}024$
$a_{2,A}=-0{,}031,\ b_{2,A}=-0{,}029$
Munsell System, Y_W=100
C=2, V=1, 2, 5, 8 & 9, Mex
chroma (A^*_2, B^*_2)
BE661−4A_6


X_w=96,79, Y_w=100,00, Z_w=111,46
x_w=0,3140 y_w=0,3243
$A_3=(a_3-a_{3,n}+a_{3,Y}+a_{3,A})\,Y$
$B_3=(b_3-b_{3,n}+b_{3,Y}+b_{3,A})\,Y$
$a_3 = a_{20}\,[(x-0{,}171)/y]$
$b_3=b_{20}\,[(m_{P1}x+b_{P1})/y]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$m_{D1}=-0{,}974,\ b_{D1}=0{,}658$
n = Mex
$a_{3,Y}=a_{2Y}(Y/Y_{18}-1)$
$b_{3,Y}=b_{2Y}(Y/Y_{18}-1)$
$a_{2Y}=0{,}021,\ b_{2Y}=0{,}024$
$a_{3,A}=-0{,}031,\ b_{3,A}=-0{,}029$
Munsell System, Y_w=100, Mex
C=2, V=1, 2, 5, 8 & 9, Mex
chromaticity diagram (a_3, b_3)
BE660−5A_6

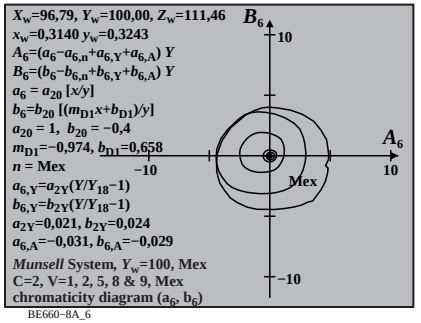

X_w=96,79, Y_w=100,00, Z_w=111,46
x_w=0,3140 y_w=0,3243
$A_4=(a_4-a_{4,n}+a_{4,Y}+a_{4,A})\,Y$
$B_4=(b_4-b_{4,n}+b_{4,Y}+b_{4,A})\,Y$
$a_4 = a_{20}\,[(x-0{,}171)/y]$
$b_4=b_{20}\,[(m_{P1}x+b_{P1})/y]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$m_{P1}=-0{,}169,\ b_{P1}=0{,}389$
n = Mex
$a_{4,Y}=a_{2Y}(Y/Y_{18}-1)$
$b_{4,Y}=b_{2Y}(Y/Y_{18}-1)$
$a_{2Y}=0{,}021,\ b_{2Y}=0{,}024$
$a_{4,A}=-0{,}031,\ b_{4,A}=-0{,}029$
Munsell System, Y_w=100, Mex
C=2, V=1, 2, 5, 8 & 9, Mex
chromaticity diagram (a_4, b_4)
BE660−6A_6

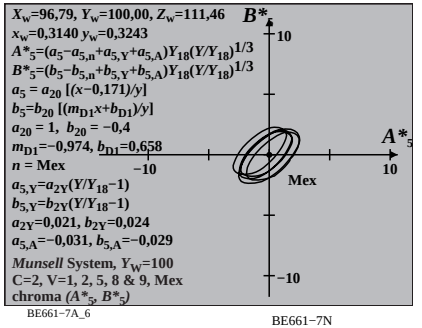

X_w=96,79, Y_w=100,00, Z_w=111,46
x_w=0,3140 y_w=0,3243
$A^*_3=(a_3-a_{3,n}+a_{3,Y}+a_{3,A})Y_{18}(Y/Y_{18})^{1/3}$
$B^*_3=(b_3-b_{3,n}+b_{3,Y}+b_{3,A})Y_{18}(Y/Y_{18})^{1/3}$
$a_3 = a_{20}\,[(x-0{,}171)/y]$
$b_3=b_{20}\,[(m_{D1}x+b_{D1})/y]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$m_{D1}=-0{,}974,\ b_{D1}=0{,}658$
n = Mex
$a_{3,Y}=a_{2Y}(Y/Y_{18}-1)$
$b_{3,Y}=b_{2Y}(Y/Y_{18}-1)$
$a_{2Y}=0{,}021,\ b_{2Y}=0{,}024$
$a_{3,A}=-0{,}031,\ b_{3,A}=-0{,}029$
Munsell System, Y_W=100
C=2, V=1, 2, 5, 8 & 9, Mex
chroma (A^*_3, B^*_3)
BE661−5A_6


X_w=96,79, Y_w=100,00, Z_w=111,46
x_w=0,3140 y_w=0,3243
$A^*_4=(a_4-a_{4,n}+a_{4,Y}+a_{4,A})Y_{18}(Y/Y_{18})^{1/3}$
$B^*_4=(b_4-b_{4,n}+b_{4,Y}+b_{4,A})Y_{18}(Y/Y_{18})^{1/3}$
$a_4 = a_{20}\,[(x-0{,}171)/y]$
$b_4=b_{20}\,[(m_{P1}x+b_{P1})/y]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$m_{P1}=-0{,}169,\ b_{P1}=0{,}389$
n = Mex
$a_{4,Y}=a_{2Y}(Y/Y_{18}-1)$
$b_{4,Y}=b_{2Y}(Y/Y_{18}-1)$
$a_{2Y}=0{,}021,\ b_{2Y}=0{,}024$
$a_{4,A}=-0{,}031,\ b_{4,A}=-0{,}029$
Munsell System, Y_W=100
C=2, V=1, 2, 5, 8 & 9, Mex
chroma (A^*_4, B^*_4)
BE661−6A_6

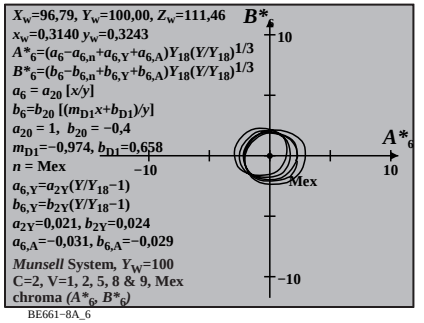

X_w=96,79, Y_w=100,00, Z_w=111,46
x_w=0,3140 y_w=0,3243
$A_5=(a_5-a_{5,n}+a_{5,Y}+a_{5,A})\,Y$
$B_5=(b_5-b_{5,n}+b_{5,Y}+b_{5,A})\,Y$
$a_5 = a_{20}\,[(x-0{,}171)/y]$
$b_5=b_{20}\,[(m_{D1}x+b_{D1})/y]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$m_{D1}=-0{,}974,\ b_{D1}=0{,}658$
n = Mex
$a_{5,Y}=a_{2Y}(Y/Y_{18}-1)$
$b_{5,Y}=b_{2Y}(Y/Y_{18}-1)$
$a_{2Y}=0{,}021,\ b_{2Y}=0{,}024$
$a_{5,A}=-0{,}031,\ b_{5,A}=-0{,}029$
Munsell System, Y_w=100, Mex
C=2, V=1, 2, 5, 8 & 9, Mex
chromaticity diagram (a_5, b_5)
BE660−7A_6

BE660−7N


X_w=96,79, Y_w=100,00, Z_w=111,46
x_w=0,3140 y_w=0,3243
$A_6=(a_6-a_{6,n}+a_{6,Y}+a_{6,A})\,Y$
$B_6=(b_6-b_{6,n}+b_{6,Y}+b_{6,A})\,Y$
$a_6 = a_{20}\,[x/y]$
$b_6=b_{20}\,[(m_{D1}x+b_{D1})/y]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$m_{D1}=-0{,}974,\ b_{D1}=0{,}658$
n = Mex
$a_{6,Y}=a_{2Y}(Y/Y_{18}-1)$
$b_{6,Y}=b_{2Y}(Y/Y_{18}-1)$
$a_{2Y}=0{,}021,\ b_{2Y}=0{,}024$
$a_{6,A}=-0{,}031,\ b_{6,A}=-0{,}029$
Munsell System, Y_w=100, Mex
C=2, V=1, 2, 5, 8 & 9, Mex
chromaticity diagram (a_6, b_6)
BE660−8A_6


X_w=96,79, Y_w=100,00, Z_w=111,46
x_w=0,3140 y_w=0,3243
$A^*_5=(a_5-a_{5,n}+a_{5,Y}+a_{5,A})Y_{18}(Y/Y_{18})^{1/3}$
$B^*_5=(b_5-b_{5,n}+b_{5,Y}+b_{5,A})Y_{18}(Y/Y_{18})^{1/3}$
$a_5 = a_{20}\,[(x-0{,}171)/y]$
$b_5=b_{20}\,[(m_{D1}x+b_{D1})/y]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$m_{D1}=-0{,}974,\ b_{D1}=0{,}658$
n = Mex
$a_{5,Y}=a_{2Y}(Y/Y_{18}-1)$
$b_{5,Y}=b_{2Y}(Y/Y_{18}-1)$
$a_{2Y}=0{,}021,\ b_{2Y}=0{,}024$
$a_{5,A}=-0{,}031,\ b_{5,A}=-0{,}029$
Munsell System, Y_W=100
C=2, V=1, 2, 5, 8 & 9, Mex
chroma (A^*_5, B^*_5)
BE661−7A_6

BE661−7N


X_w=96,79, Y_w=100,00, Z_w=111,46
x_w=0,3140 y_w=0,3243
$A^*_6=(a_6-a_{6,n}+a_{6,Y}+a_{6,A})Y_{18}(Y/Y_{18})^{1/3}$
$B^*_6=(b_6-b_{6,n}+b_{6,Y}+b_{6,A})Y_{18}(Y/Y_{18})^{1/3}$
$a_6 = a_{20}\,[x/y]$
$b_6=b_{20}\,[(m_{D1}x+b_{D1})/y]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$m_{D1}=-0{,}974,\ b_{D1}=0{,}658$
n = Mex
$a_{6,Y}=a_{2Y}(Y/Y_{18}-1)$
$b_{6,Y}=b_{2Y}(Y/Y_{18}-1)$
$a_{2Y}=0{,}021,\ b_{2Y}=0{,}024$
$a_{6,A}=-0{,}031,\ b_{6,A}=-0{,}029$
Munsell System, Y_W=100
C=2, V=1, 2, 5, 8 & 9, Mex
chroma (A^*_6, B^*_6)
BE661−8A_6

TUB-test chart BE66; CIE (x, y), chromatic values (A_i, B_i) and chroma (A^*_i, B^*_i)
Munsell Chroma=2, *Value*=1,2,5,8 &9; experimental illuminant M_{ex}; $(x, y)_{Mex}$=(0,3140, 0,3244)