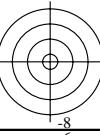


TUB registration: 20170801-BE66/BE66L0NA.TXT/.PS
application for measurement of display output

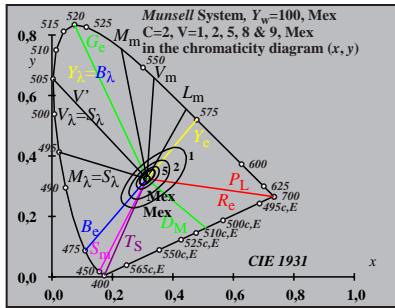
TUB material: code=rha4ta

see similar files: <http://farbe.li.tu-berlin.de/BE66/BE66.TXT0NA.TXT/.PS>
technical information: <http://farbe.li.tu-berlin.de/BE66/BE66.TXT> or <http://130.149.60.45/~farbometrik>



6
8
V
L
O
Y
M
C
M
Y
O
L
V
C
V

<http://farbe.li.tu-berlin.de/BE66/BE66.TXT0NA.TXT/.PS>
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 6/1



BE660-1A_6

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

BE660-3A_6

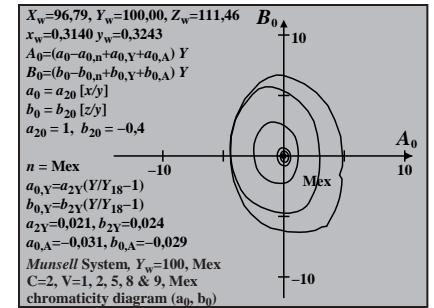
$X_w=96,79, Y_w=100,00, Z_w=111,46$
 $x_w=0,3140 y_w=0,3243$
 $A_3=(a_3-a_{3,n}+a_3,Y+a_{3,A}) Y$
 $B_3=(b_3-b_{3,n}+b_3,Y+b_{3,A}) Y$
 $a_3 = a_{20} [(x-0,171)/y]$
 $b_3 = b_{20} [(m_{D1}x+b_{D1})/y]$
 $a_{20} = 1, b_{20} = -0,4$
 $m_{P1}=-0,974, b_{P1}=0,658$
 $n = \text{Mex}$
 $a_{3,Y}=a_{2Y}(Y/Y_{18}-1)$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

BE660-5A_6

$X_w=96,79, Y_w=100,00, Z_w=111,46$
 $x_w=0,3140 y_w=0,3243$
 $A_5=(a_5-a_{5,n}+a_5,Y+a_{5,A}) Y$
 $B_5=(b_5-b_{5,n}+b_5,Y+b_{5,A}) Y$
 $a_5 = a_{20} [(x-0,171)/y]$
 $b_5 = b_{20} [(m_{D1}x+b_{D1})/y]$
 $a_{20} = 1, b_{20} = -0,4$
 $m_{D1}=-0,974, b_{D1}=0,658$
 $n = \text{Mex}$
 $a_{5,Y}=a_{2Y}(Y/Y_{18}-1)$
 $b_{5,Y}=b_{2Y}(Y/Y_{18}-1)$
 $a_{2Y}=0,021, b_{2Y}=0,024$
 $a_{5,A}=-0,031, b_{5,A}=-0,029$
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



BE660-2A_6

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

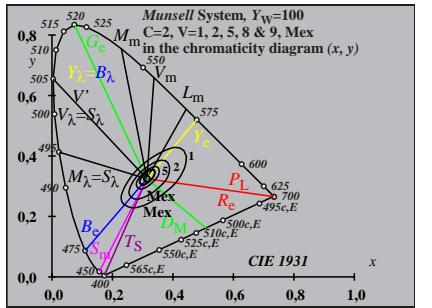
BE660-4A_6

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

BE660-6A_6

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

BE660-8A_6



BE661-1A_6

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

BE661-3A_6

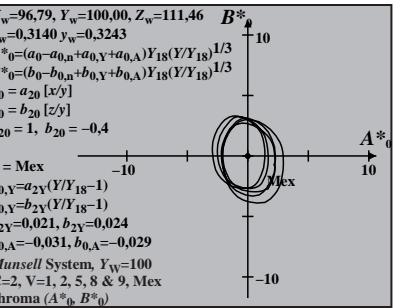
$X_w=96,79, Y_w=100,00, Z_w=111,46$
 $x_w=0,3140 y_w=0,3243$
 $A_3=(a_3-a_{3,n}+a_3,Y+a_{3,A}) Y$
 $B_3=(b_3-b_{3,n}+b_3,Y+b_{3,A}) Y$
 $a_3 = a_{20} [(x-0,171)/y]$
 $b_3 = b_{20} [(m_{D1}x+b_{D1})/y]$
 $a_{20} = 1, b_{20} = -0,4$
 $m_{D1}=-0,974, b_{D1}=0,658$
 $n = \text{Mex}$
 $a_{3,Y}=a_{2Y}(Y/Y_{18}-1)$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

BE661-5A_6

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

BE661-7A_6

BE661-7N



BE661-1A_6

$X_w=96,79, Y_w=100,00, Z_w=111,46$
 $x_w=0,3140 y_w=0,3243$
 $A^*=(a_0-a_{0,n}+a_0,Y+a_{0,A}) Y$
 $B^*=(b_0-b_{0,n}+b_0,Y+b_{0,A}) Y$
 $a_0 = a_{20} [x/y]$
 $b_0 = b_{20} [z/y]$
 $a_{20} = 1, b_{20} = -0,4$
 $m_{T1}=1,000, b_{T1}=0,171$
 $n = \text{Mex}$
 $a_{0,Y}=a_{2Y}(Y/Y_{18}-1)$
 $b_{0,Y}=b_{2Y}(Y/Y_{18}-1)$
 $a_{2Y}=0,021, b_{2Y}=0,024$
 $a_{0,A}=-0,031, b_{0,A}=-0,029$
Munsell System, $Y_w=100$, Mex
 $C=2, V=1, 2, 5, 8 \& 9$, Mex
chroma (A_{0*}, B_{0*})

BE661-3A_6

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

BE661-5A_6

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

BE661-7A_6

BE661-7N



BE661-1A_6

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

BE661-3A_6

$X_w=96,79, Y_w=100,00, Z_w=111,46$
 $x_w=0,3140 y_w=0,3243$
 $A^*=(a_8-a_{8,n}+a_8,Y+a_{8,A}) Y$
 $B^*=(b_8-b_{8,n}+b_8,Y+b_{8,A}) Y$
 $a_8 = a_{20} [x/y]$
 $b_8 = b_{20} [(m_{D1}x+b_{D1})/y]$
 $a_{20} = 1, b_{20} = -0,4$
 $m_{D1}=-0,974, b_{D1}=0,658$
 $n = \text{Mex}$
 $a_{8,Y}=a_{2Y}(Y/Y_{18}-1)$
 $b_{8,Y}=b_{2Y}(Y/Y_{18}-1)$
 $a_{2Y}=0,021, b_{2Y}=0,024$
 $a_{8,A}=-0,031, b_{8,A}=-0,029$
Munsell System, $Y_w=100$, Mex
 $C=2, V=1, 2, 5, 8 \& 9$, Mex
chroma (A_{8*}, B_{8*})

BE661-5A_6

$X_w=96,79, Y_w=100,00, Z_w=111,46$
 $x_w=0,3140 y_w=0,3243$
 $A^*=(a_{10}-a_{10,n}+a_{10},Y+a_{10,A}) Y$
 $B^*=(b_{10}-b_{10,n}+b_{10},Y+b_{10,A}) Y$
 $a_{10} = a_{20} [x/y]$
 $b_{10} = b_{20} [z/y]$
 $a_{20} = 1, b_{20} = -0,4$
 $m_{T1}=1,000, b_{T1}=0,171$
 $n = \text{Mex}$
 $a_{10,Y}=a_{2Y}(Y/Y_{18}-1)$
 $b_{10,Y}=b_{2Y}(Y/Y_{18}-1)$
 $a_{2Y}=0,021, b_{2Y}=0,024$
 $a_{10,A}=-0,031, b_{10,A}=-0,029$
Munsell System, $Y_w=100$, Mex
 $C=2, V=1, 2, 5, 8 \& 9$, Mex
chroma (A_{10*}, B_{10*})

BE661-7A_6

BE661-7N

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 Mex; $(x, y)_{\text{Mex}}=(0,3140, 0,3244)$