
Subject: Re: changing font type on a widget
Posted by [Chad](#) on Tue, 28 Oct 2008 20:33:59 GMT
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On Oct 23, 2:49 pm, cgoet...@igpp.ucla.edu wrote:

> Hi All,
>
> How do I change the font and size of text on a button (or other
> widget)? For example...
>
> myButton = Widget_Button(myBase, value='Test')
>
> How can I change 'Test' to say 'Times' and increase it's size by 2.
> What are the size units?
>
> Thanks!
>
> Cindy

You can do all of the above with bitmap buttons. Write your text to a bitmap using xyouts. Here is a code snippet from a routine of mine. The text string you want is in 'text'. You should be able to control the size with CharSize in XYOUTS, although I haven't tested that particular option - there may be sizing conflicts with the multi-line options.

Chad

```
wtlb = WIDGET_BASE()
wbtn = WIDGET_BUTTON(wtlb)
font = WIDGET_INFO(wbtn, /FontName)
WIDGET_CONTROL, wtlb, /Destroy
ss = GET_SCREEN_SIZE()
WINDOW, XSize=ss[0], YSize=ss[1], /Pixmap, /Free
DEVICE, Set_Font=font
nlines = N_ELEMENTS(text)
ysize = (!D.Y_CH_SIZE * nlines) < ss[1]
xx = FLTARR(nlines)
FOR i=0, nlines-1 DO BEGIN
    XYOUTS, 0, 0, text[i], /Device, Font=0, CharSize=-1,
Width=xsize
    xx[i] = xsize
    XYOUTS, 0, 0, STRTRIM(text[i], 2), /Device, Font=0,
CharSize=-1, Width=xsize
ENDFOR
xsize = MAX(xx)*!D.X_VSIZE < ss[0]
xoffset = FLTARR(nlines)
FOR i=0, nlines-1 DO BEGIN
```

```

        XYOUTS, 0, 0, STRTRIM(text[i], 2), /Device, Font=0,
CharSize=-1, Width=xo
        xoffset[i] = (xsize - (xo*!D.X_VSIZE))/2
    ENDFOR
    WDELETE, !D.Window
    border = 2
    WINDOW, XSize=xsize + border*2, YSize=ysize + (nlines*border) +
border, /PixMap, /Free
    ERASE, 255
    FOR i=0, nlines-1 DO $
        XYOUTS, border + xoffset[i], !D.Y_SIZE - ( (i+1) * (border+!
D.Y_CH_SIZE) ), $
            STRTRIM(text[i], 2), /Device, Font=0, Color=0
        b = TVRD()
        WDELETE, !D.Window
        r = b
        g = b

```
