XDrawImageString, XDrawImageString16 − draw image text

XDrawImageString(*display*, *d*, *gc*, *x*, *y*, *string*, *length*)
    Display *display;
    Drawable *d*;
    GC *gc*;
    int *x*, *y*;
    char *string;
    int *length*;

XDrawImageString16(*display*, *d*, *gc*, *x*, *y*, *string*, *length*)
    Display *display;
    Drawable *d*;
    GC *gc*;
    int *x*, *y*;
    XChar2b *string;
    int *length*;

d	Specifies the drawable.
display	Specifies the connection to the X server.
gc	Specifies the GC.
length	Specifies the number of characters in the string argument.
string	Specifies the character string.
x	
y	Specify the x and y coordinates, which are relative to the origin of the specified drawable and define the origin of the first character.

The XDrawImageString16 function is similar to **XDrawImageString** except that it uses 2-byte or 16-bit characters. Both functions also use both the foreground and background pixels of the GC in the destination.

The effect is first to fill a destination rectangle with the background pixel defined in the GC and then to paint the text with the foreground pixel. The upper-left corner of the filled rectangle is at:

    [x, y − font-ascent]

The width is:

    overall-width

The height is:

    font-ascent + font-descent

The overall-width, font-ascent, and font-descent are as would be returned by **XQueryTextExtents** using gc and string. The function and fill-style defined in the GC are ignored for these functions. The effective function is **GXcopy**, and the effective fill-style is **FillSolid**.

For fonts defined with 2-byte matrix indexing and used with **XDrawImageString**, each byte is used as a byte2 with a byte1 of zero.

Both functions use these GC components: plane-mask, foreground, background, font, subwindow-mode, clip-x-origin, clip-y-origin, and clip-mask.

XDrawImageString and **XDrawImageString16** can generate **BadDrawable**, **BadGC**, and **BadMatch** errors.

BadDrawable A value for a Drawable argument does not name a defined Window or Pixmap. **BadGC** A value for a GContext argument does not name a defined GContext. **BadMatch** An **InputOnly** window is used as a Drawable. **BadMatch** Some argument or pair of arguments has the correct type and range but fails to match in some other way required by the request.

XDrawString(3X11), XDrawText(3X11), XLoadFont(3X11), XTextExtents(3X11)
Xlib − C Language X Interface