

NAME

XDrawString, XDrawString16 - draw text characters

SYNTAX

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

```
int XDrawString16(Display *display, Drawable d, GC gc, int x, int y, _Xconst XChar2b *string, int length);
```

ARGUMENTS

- 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.

DESCRIPTION

Each character image, as defined by the font in the GC, is treated as an additional mask for a fill operation on the drawable. The drawable is modified only where the font character has a bit set to 1. For fonts defined with 2-byte matrix indexing and used with **XDrawString16**, each byte is used as a byte2 with a byte1 of zero.

Both functions use these GC components: function, plane-mask, fill-style, font, subwindow-mode, clip-x-origin, clip-y-origin, and clip-mask. They also use these GC mode-dependent components: foreground, background, tile, stipple, tile-stipple-x-origin, and tile-stipple-y-origin.

XDrawString and **XDrawString16** can generate **BadDrawable**, **BadGC**, and **BadMatch** errors.

DIAGNOSTICS

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.

SEE ALSO

XDrawImageString(3), XDrawText(3), XLoadFont(3)

Xlib - C Language X Interface