

NAME

XSetState, XSetFunction, XSetPlaneMask, XSetForeground, XSetBackground - GC convenience routines

SYNTAX

```
int XSetState(Display *display, GC gc, unsigned long foreground, unsigned long background, int function, unsigned long plane_mask);
```

```
int XSetFunction(Display *display, GC gc, int function);
```

```
int XSetPlaneMask(Display *display, GC gc, unsigned long plane_mask);
```

```
int XSetForeground(Display *display, GC gc, unsigned long foreground);
```

```
int XSetBackground(Display *display, GC gc, unsigned long background);
```

ARGUMENTS

background Specifies the background you want to set for the specified GC.

display Specifies the connection to the X server.

foreground Specifies the foreground you want to set for the specified GC.

function Specifies the function you want to set for the specified GC.

gc Specifies the GC.

plane_mask Specifies the plane mask.

DESCRIPTION

The **XSetState** function sets the foreground, background, plane mask, and function components for the specified GC.

XSetState can generate **BadAlloc**, **BadGC**, and **BadValue** errors.

XSetFunction sets a specified value in the specified GC.

XSetFunction can generate **BadAlloc**, **BadGC**, and **BadValue** errors.

The **XSetPlaneMask** function sets the plane mask in the specified GC.

XSetPlaneMask can generate **BadAlloc** and **BadGC** errors.

The **XSetForeground** function sets the foreground in the specified GC.

XSetForeground can generate **BadAlloc** and **BadGC** errors.

The **XSetBackground** function sets the background in the specified GC.

XSetBackground can generate **BadAlloc** and **BadGC** errors.

DIAGNOSTICS

BadAlloc The server failed to allocate the requested resource or server memory.

BadGC A value for a GContext argument does not name a defined GContext.

BadValue Some numeric value falls outside the range of values accepted by the request. Unless a specific range is specified for an argument, the full range defined by the argument's type is accepted. Any argument defined as a set of alternatives can generate this error.

SEE ALSO

XCreateGC(3), XQueryBestSize(3), XSetArcMode(3), XSetClipOrigin(3), XSetFillStyle(3), XSetFont(3), XSetLineAttributes(3), XSetTile(3)

Xlib - C Language X Interface