XSetState, XSetFunction, XSetPlanemask, XSetForeground, XSetBackground – GC convenience routines

XSetState(display, gc, foreground, background, function, plane_mask)
   Display *display;
   GC gc;
   unsigned long foreground, background;
   int function;
   unsigned long plane_mask;
XSetFunction(display, gc, function)
   Display *display;
   GC gc;
   int function;
XSetPlaneMask(display, gc, plane_mask)
   Display *display;
   GC gc;
   unsigned long plane_mask;
XSetForeground(display, gc, foreground)
   Display *display;
   GC gc;
   unsigned long foreground;
XSetBackground(display, gc, background)
   Display *display;
   GC gc;
   unsigned long background;

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.

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.

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.

XCreateGC(3X11), XQueryBestSize(3X11), XSetArcMode(3X11), XSetClipOrigin(3X11),
XSetFillStyle(3X11), XSetFont(3X11), XSetLineAttributes(3X11), XSetTile(3X11)

Xlib – C Language X Interface