Index

A

Above, 18, 20, 79
Access control list, **151**
Access, 4, 15, 27, 29, 30, 59, 60, 68, 69, 110
Activate, 68
Active grab, **151**
All, 55, 56, 59
Alloc, 4, 11, 21, 22, 34, 38, 39, 44, 45, 55, 56, 57, 58, 60, 61, 63, 64, 110
AllocColor, 56, **57**, 58, 59, 134
AllocColorCells, 55, 56, **58**, 59, 135
AllocColorPlanes, 55, 56, **58**, 59, 135
AllocNamedColor, 56, **57**, 59, 135
AllowEvents, 26, 28, 29, **30**, 31, 122
AllTemporary, 69
AlreadyGrabbed, 25, 26, 28, 29
Alternative1, 105
AlternativeI, 105
AlternativeValues, 1
Always, 8, 12, 14, 15, 75
Ancestor, 72, 73, 74
Ancestors, **151**
And, 39, 40
AndInverted, 39, 40
AndReverse, 39, 40
AnyButton, 27, 28
AnyKey, 29, 30
AnyModifier, 27, 28, 29, 30
AnyPropertyType, 22, 23
Append, 22
AsyncBoth, 30, 31
Asynchronous, 25, 26, 27, 28, 29, 70
AsyncKeyboard, 30, 31
AsyncPointer, 30, 31
Atom, 1, 4, 5, 21, 22, 23, 24, 109, **151**
Authenticate, 8

B

Background, **151**
Backing store, **151**
Bell, **66**, 140
Below, 18, 20, 79
Bevel, 39, 41, 48
Bit:
  gravity, **151**
  plane, **151**
Bitmap, 52, **151**
Border, **151**
Bottom, 79
BottomIf, 18, 20, 79
Busy, 63, 66
Butt, 39, 41, 43, 49
Button1, 2
Button1Motion, 2
Button2, 2
Button2Motion, 2
Button3, 2
Button3Motion, 2
Button4, 2
Button4Motion, 2
Button5, 2
Button5Motion, 2
Button:
  grabbing, **151**
ButtonMotion, 2, 71
ButtonPress, 2, 15, 27, 30, 31, **71**, 73, 144
ButtonRelease, 2, 30, 31, **71**, 73, 144
Button[1-5]Motion, 71
Byte order, **151**

C

Center, 2, 19
ChangeActivePointerGrab, **28**, 71, 121
ChangeGC, 4, **44**, 45, 129
ChangeHosts, 4, **68**, 141
ChangeKeyboardControl, 4, **65**, 139
ChangeKeyboardMapping, **64**, 81, 139
ChangePointerControl, **67**, 140
ChangeProperty, **22**, 80, 118
ChangeSaveSet, **16**, 115
ChangeWindowAttributes, 4, 11, **15**, 56, 115
Chaos, 2
Children, **151**
Chord, 39, 51, 52
CirculateNotify, 20, 72, 76, 77, **79**, 149
CirculateRequest, 20, **79**, 149
CirculateWindow, **20**, 79, 80, 117
Clear, 39, 40
ClearArea, **46**, 130
Client, **151**
ClientMessage, **81**, 150
ClipByChildren, 39, 43, 46
Clipping region, **152**
CloseFont, **34**, 125
Colormap, 1, 4, 5, 11, 15, 55, 56, 57, 58, 59, 60,

110, **152**
ColormapChange, 2, 81
ColormapNotify, 15, 56, 57, **81**, 150
Complex, 50, 51
ConfigureNotify, 19, 20, 72, 76, 77, **78**, 148
ConfigureRequest, 19, **79**, 148
ConfigureWindow, 14, **18**, 78, 79, 116
Connection, **152**
Containment, **152**
Control, 2, 63
ConvertSelection, **24**, 80, 81, 119
Convex, 50, 51
Coordinate system, **152**
Copy, 39, 40, 43, 46, 47, 55
CopyArea, 43, **46**, 47, 76, 130
CopyColormapAndFree, **56**, 134
CopyFromParent, 11, 12, 13, 14, 15, 104
CopyGC, **44**, 129
CopyInverted, 39, 40
CopyPlane, 43, **47**, 76, 130
CreateColormap, **55**, 56, 59, 133
CreateCursor, **60**, 61, 137
CreateGC, **39**, 44, 45, 127
CreateGlyphCursor, **61**, 137
CreateNotify, 15, **77**, 147
CreatePixmap, **38**, 127
CreateWindow, **11**, 15, 56, 77, 114
CurrentTime, 24, 25, 26, 27, 28, 29, 30, 32, 33, 80, 81, 157
Cursor, 1, 4, 5, 11, 15, 25, 27, 28, 61, 62, 109, **152**

D

DECnet, 2
Default, 65, 67
Delete, 16, 68
Deleted, 80
DeleteProperty, **22**, 80, 118
Depth, **152**
Destroy, 69, 70
DestroyNotify, 16, **77**, 147
DestroySubwindows, **16**, 115
DestroyWindow, **16**, 115
Device, **152**
DirectColor, 8, 11, 55, 58, **152**, 157
Disable, 69
Disabled, 69
Display, **152**
DoubleDash, 39, 41, 42, 45
Drawable, 1, 4, 5, 21, 38, 39, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 62, 109, **152**

E

East, 2, 19
Enable, 69
Enabled, 69
EnterNotify, 26, 27, **72**, 73, 75, 76, 77, 144
EnterWindow, 2, 72
Equiv, 39, 40
Error Codes:
  Access, **4**
  Alloc, **4**
  Atom, **4**
  Colormap, **4**
  Cursor, **4**
  Drawable, **4**
  Font, **4**
  GContext, **4**
  IDChoice, **5**
  Implementation, **5**
  Length, **5**
  Match, **5**
  Name, **5**
  Pixmap, **5**
  Request, **5**
  Value, **5**
  Window, **5**
EvenOdd, 39, 43
Event, **152**
  Exposure, **153**
  mask, **153**
  propagation, **153**
  source, **153**
  synchronization, **153**
EventName, 2
Expose, 72, 73, **75**, 76, 77, 146
Exposure, 2, 75
Extension, **153**

F

Failed, 8, 63
False, 2, 13, 17, 19, 21, 25, 26, 28, 32, 33, 70, 72, 78, 81
FillPoly, 42, 43, **50**, 51, 131
Focus window, 153
FocusChange, 2, 73
FocusIn, 29, 33, 34, **73**, 74, 75, 145
FocusOut, 29, 33, 34, 72, **73**, 74, 75, 76, 77, 146
Font, 1, 4, 5, 34, 37, 39, 44, 53, 54, 61, 109, **153**
ForceScreenSaver, 67, **68**, 142
Forget, 2, 13, 19, 20

Free, 70
FreeColormap, 14, **55**, 134
FreeColors, 4, 55, **59**, 136
FreeCursor, **61**, 137
FreeGC, **46**, 130
FreePixmap, **39**, 127
Frozen, 25, 26, 28, 29
FullyObscured, 76, 77

G

GC, **153**
GContext, 1, 4, 5, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 110, **153**
GetAtomName, **21**, 118
GetFontPath, **38**, 127
GetGeometry, **21**, 117
GetImage, **52**, 132
GetInputFocus, **34**, 124
GetKeyboardControl, **66**, 140
GetKeyboardMapping, **64**, 139
GetModifierMapping, **63**, 143
GetMotionEvents, 10, **32**, 72, 123
GetPointerControl, **67**, 140
GetPointerMapping, 66, **67**, 142
GetProperty, **22**, 80, 118
GetScreenSaver, **68**, 141
GetSelectionOwner, **24**, 119
GetWindowAttributes, 11, **15**, 115
Glyph, **153**
Grab, 72, 73, 75, **153**
GrabButton, **27**, 28, 30, 70, 120
GrabKey, **29**, 30, 31, 122
GrabKeyboard, **28**, 29, 31, 121
GrabPointer, **25**, 27, 28, 30, 120
GrabServer, **31**, 122
Graphics context, **153**
GraphicsExposure, 43, 47, **76**, 146
Gravity, **153**
GravityNotify, 19, 72, 76, 77, **79**, 148
GrayScale, 8, 11, 55, 58, 61, **153**, 157

H

Hint, 71, 72
Hotspot, **153**

I

IDChoice, 1, 4, 11, 34, 38, 39, 55, 56, 60, 61, 110
Identifier, **154**
ImageText16, **55**, 133
ImageText8, **54**, 55, 133
Implementation, 4, 111
IncludeInferiors, 39, 43
Inferior, 72, 73, 74
Inferiors, **154**
Input focus, **154**
Input manager, **154**
InputFocus, 25, 105
InputOnly, 4, 10, 11, 12, 13, 15, 17, 19, 21, 39, 46, 62, 76, 77, 104, 152, 154
InputOutput, 10, 11, 12, 15, 43, 104, 151, 154
Insert, 16, 68
InstallColormap, 10, 14, 15, **56**, 57, 134
Installed, 81
InternAtom, 7, **21**, 117
Internet, 2
InvalidTime, 25, 26, 28, 29
Invert, 39, 40

K

Key:
  grabbing, **154**
Keyboard, 81
  grabbing, **154**
KeymapNotify, 1, **75**, 146
KeymapState, 2, 75
KeyPress, 2, 6, 28, 29, 31, 65, **71**, 75, 143
KeyRelease, 2, 28, 31, 65, **71**, 75, 143
Keysym, **154**
KillClient, **69**, 142

L

LeastSignificant, 8
LeaveNotify, 26, 27, **72**, 73, 76, 77, 145
LeaveWindow, 2, 72
LeftToRight, 34, 35, 37
Length, 4, 10, 63, 64, 110
ListExtensions, **63**, 138
ListFonts, **37**, 38, 126
ListFontsWithInfo, **37**, 126
ListHosts, **69**, 141
ListInstalledColormaps, **57**, 134
ListProperties, **24**, 119
Lock, 2, 6, 63
LookupColor, **60**, 137
LowerHighest, 20
LSBFirst, 8

M

MapNotify, 17, 72, 76, 77, **78**, 147
Mapped window, **154**

MappingNotify, 63, 64, 66, **81**, 150
MapRequest, 17, **78**, 147
MapSubwindows, **18**, 116
MapWindow, **17**, 18, 70, 78, 116
Match, 4, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 22, 23, 24, 33, 39, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 60, 61, 62, 65, 109
Miter, 39, 41, 43
Mod1, 2, 6, 63
Mod2, 2, 63
Mod3, 2, 63
Mod4, 2, 63
Mod5, 2, 6, 63
Modifier keys, **154**
Modifier, 81
Modifiers, 81
Monochrome, **154**
MostSignificant, 8
MotionNotify, 10, **71**, 72, 144
MSBFirst, 8

N

Name1, 104
Name, 4, 34, 57, 59, 60, 110
NameI, 104
NameofThing, 104
Nand, 39, 40
Never, 8
NewValue, 80
No, 67, 68
NoExposure, 47, **76**, 146
Nonconvex, 50, 51
None, 5, 12, 13, 14, 15, 21, 22, 23, 24, 25, 27, 28, 31, 32, 33, 34, 39, 43, 45, 46, 47, 52, 53, 55, 56, 60, 61, 70, 71, 72, 73, 74, 75, 78, 79, 80, 81
Nonlinear, 72, 73, 74, 75
NonlinearVirtual, 72, 73, 74, 75
NoOp, 39, 40
NoOperation, **69**, 143
Nor, 39, 40
Normal, 71, 72, 73, 75
North, 2, 19
NorthEast, 2, 19
NorthWest, 2, 13, 19, 20
NoSymbol, 6, 64, 65, 83
NotLast, 39, 41
NotUseful, 12, 13, 14, 15
NotViewable, 25, 26, 28, 29

O

Obscure, **154**
Occlude, **154**
Off, 65, 66
On, 65, 66
OnOffDash, 39, 41, 42, 45
OpaqueStippled, 39, 42, 47
OpenFont, **34**, 124
Opposite, 18, 20, 79
Or, 39, 40
Origin, 47, 50
OrInverted, 39, 40
OrReverse, 39, 40
OwnerGrabButton, 2, 70

P

Padding, **155**
Parent, 33, 34
ParentRelative, 12, 13, 15, 17
PartiallyObscured, 76, 77
Passive grab, **155**
PieSlice, 39, 43, 51, 52
Pixel value, **155**
Pixmap, 1, 4, 5, 11, 15, 39, 44, 60, 109, **155**
Plane, **155**
  mask, **155**
Pointer, 73, 74, 75, 81, **155**
  grabbing, **155**
PointerMotion, 2, 71
PointerMotionHint, 2, 71
PointerRoot, 5, 33, 34, 70, 73, 74, 75
PointerWindow, 25, 105
Pointing device, **155**
PolyArc, 42, **49**, 52, 131
PolyFillArc, 42, 43, **51**, 132
PolyFillRectangle, 42, **51**, 131
PolyLine, 42, **47**, 48, 49, 130
PolyPoint, **47**, 130
PolyRectangle, 42, **48**, 131
PolySegment, 42, **48**, 131
PolyText16, 4, 42, **54**, 133
PolyText8, 4, 42, **53**, 54, 132
Prepend, 22
Previous, 47, 50
Projecting, 39, 41
Property list, **155**
Property, **155**
PropertyChange, 2, 80
PropertyNotify, 22, 23, **80**, 149

PseudoColor, 8, 11, 55, 58, 59, 153, **155**, 157
PutImage, **52**, 132

Q

QueryBestSize, **62**, 138
QueryColors, **60**, 136
QueryExtension, **62**, 138
QueryFont, **34**, 37, 38, 125
QueryKeymap, **34**, 75, 124
QueryPointer, **31**, 72, 122
QueryTextExtents, **37**, 55, 125
QueryTree, **21**, 117

R

RaiseLowest, 20
RecolorCursor, **62**, 138
Redirecting control, **155**
ReparentNotify, 17, **78**, 148
ReparentWindow, **17**, 116
Replace, 22
ReplayKeyboard, 30, 31
ReplayPointer, 30, 31
Reply, **156**
Request, 4, 108, **156**
RequestName, 1
Reset, 67, 68
ResizeRedirect, 2, 15, 19, 79
ResizeRequest, 19, **79**, 149
Resource, **156**
RetainPermanent, 69, 70
RetainTemporary, 69, 70
RGB values, **156**
RightToLeft, 34, 35, 37
Root, **156**
RotateProperties, **23**, 80, 142
Round, 39, 41

S

Save set, **156**
Scanline order, **156**
Scanline, **156**
Screen, **156**
Selection, **156**
SelectionClear, 24, **80**, 149
SelectionNotify, 25, 80, **81**, 150
SelectionRequest, 24, 25, **80**, 149
SendEvent, 1, **25**, 81, 120
Server, **156**
  grabbing, **157**
Set, 39, 40
SetAccessControl, **69**, 141
SetClipRectangles, 43, 44, **45**, 129
SetCloseDownMode, **69**, 70, 141
SetDashes, 42, **44**, 129
SetFontPath, 37, **38**, 127
SetInputFocus, **33**, 73, 124
SetModifierMapping, **63**, 81, 142
SetPointerMapping, **66**, 81, 142
SetScreenSaver, **67**, 140
SetSelectionOwner, **24**, 70, 80, 119
Shift, 2, 6, 63
Sibling, **157**
Solid, 39, 41, 42, 43, 45, 55
South, 2, 19
SouthEast, 2, 19
SouthWest, 2, 19
Stacking order, **157**
Static, 2, 19
StaticColor, 8, 11, 55, **157**
StaticGray, 8, 11, 55, 61, 154, **157**
Stipple, 62, **157**
Stippled, 39, 42
StoreColors, 4, **59**, 60, 136
StoreNamedColor, **59**, 136
String Equivalence, **157**
StructureNotify, 2, 77, 78, 79
SubstructureNotify, 2, 77, 78, 79
SubstructureRedirect, 2, 14, 15, 17, 19, 20, 78, 79, 80
Success, 8, 25, 28, 63, 66
SyncBoth, 30, 31
Synchronous, 25, 26, 27, 28, 29
SyncKeyboard, 30, 31
SyncPointer, 30, 31

T

Tile, 62, **157**
Tiled, 39, 42
Timestamp, **157**
Top, 79
TopIf, 18, 20, 79
TranslateCoordinates, **32**, 123
True, 2, 11, 14, 17, 23, 25, 26, 28, 32, 36, 43, 46, 47, 58, 70, 72, 78, 81
TrueColor, 8, 11, 55, **157**
Type, **157**
Types:
  ARC, **3**
  ATOM, **3**
  BITGRAVITY, **3**
  BITMASK, **2**
  BOOL, **3**

BUTMASK, **3**
BUTTON, **3**
BYTE, **3**
CARD16, **3**
CARD32, **3**
CARD8, **3**
CHAR2B, **3**
COLORMAP, **2**
CURSOR, **2**
DEVICEEVENT, **3**
DRAWABLE, **2**
EVENT, **3**
FONT, **2**
FONTABLE, **3**
GCONTEXT, **2**
HOST, **3**
INT16, **3**
INT32, **3**
INT8, **3**
KEYBUTMASK, **3**
KEYCODE, **3**
KEYMASK, **3**
KEYSYM, **3**
LISTofFOO, **2**
LISTofVALUE, **2**
OR, **2**
PIXMAP, **2**
POINT, **3**
POINTEREVENT, **3**
RECTANGLE, **3**
STRING16, **3**
STRING8, **3**
TIMESTAMP, **3**
VALUE, **3**
VISUALID, **3**
WINDOW, **2**
WINGRAVITY, **3**

U

Ungrab, 72, 73, 75
UngrabButton, **28**, 121
UngrabKey, **30**, 122
UngrabKeyboard, **29**, 70, 122
UngrabPointer, **27**, 70, 71, 120
UngrabServer, **31**, 70, 122
UninstallColormap, 56, **57**, 134
Uninstalled, 81
Unmap, 2, 20, 78
UnmapNotify, 18, 20, 72, 73, 76, **77**, 147
Unmapped, 15
UnmapSubwindows, **18**, 116
UnmapWindow, 16, 17, **18**, 116
Unobscured, 76, 77
UnSorted, 45, 46
Unviewable, 15, 16

V

Value, 1, 2, 4, 11, 12, 15, 16, 18, 19, 20, 21, 22, 23, 25, 27, 28, 29, 30, 33, 38, 39, 42, 44, 45, 46, 47, 50, 52, 55, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 108
Viewable, 15, **157**
Virtual, 72, 73, 74
Visibilitity, 76
VisibilityChange, 2, 77
VisibilityNotify, 12, 72, 73, **76**, 77, 147
Visible, **158**
VoidSymbol, 6, 83

W

WarpPointer, **33**, 124
West, 2, 19
WhenMapped, 8, 12, 14, 15, 75
WhileGrabbed, 73
Winding, 39, 43
Window, 1, 4, 5, 11, 15, 16, 17, 18, 20, 21, 22, 23, 24, 25, 27, 28, 29, 30, 31, 32, 33, 46, 55, 57, 104, 109
  gravity, **158**
  InputOnly, **154**
  InputOutput, **154**
  manager, **158**
  parent, **155**
  root, **156**

X

Xor, 39, 40
XYFormat, **158**
XYPixmap, 52, 53

Y

Yes, 67, 68
YSorted, 45, 46
YXBanded, 45, 46
YXSorted, 45, 46

Z

ZFormat, **158**
ZPixmap, 52, 53