NAME

PEXCreateRenderer – Create Renderer

SYNTAX

PEXRenderer PEXCreateRenderer(Display **display*, Drawable *drawable*, unsigned long *value_mask*, PEXRendererAttributes **values*)

PARAMETERS

display	A pointer to a display structure returned by a successful **XOpenDisplay** call.
drawable	The resource identifier of a drawable.
value_mask	A mask indicating the attribute values specified.
values	A pointer to values used to override default values in the new renderer resource.

RETURNS

The resource identifier of the newly-created renderer resource.

DESCRIPTION

This function creates a renderer and returns the resource identifier of the newly-created renderer resource. The value mask indicates which attribute values are specified. Attribute values not specified will be initialized to the default values shown in the table below.

Attribute Name	Default Value
PEXRAPipelineContext	NULL
PEXRAMarkerBundle	NULL
PEXRATextBundle	NULL
PEXRALineBundle	NULL
PEXRAInteriorBundle	NULL
PEXRAEdgeBundle	NULL
PEXRAViewTable	NULL
PEXRAColorTable	NULL
PEXRADepthCueTable	NULL
PEXRALightTable	NULL
PEXRAColorApproxTable	NULL
PEXRAPatternTable	NULL
PEXRATextFontTable	NULL
PEXRAHighlightIncl	NULL
PEXRAHighlightExcl	NULL
PEXRAInvisibilityIncl	NULL
PEXRAInvisibilityExcl	NULL
PEXRAHLHSRMode	PEXHLHSROff
PEXRANPCSubVolume	{(0.0, 0.0, 0.0), (1.0, 1.0, 1.0)}
PEXRAViewport	{imp.dep., imp.dep., True}
PEXRAClipList	NULL
PEXRAPickIncl	NULL
PEXRAPickExcl	NULL
PEXRAPickStartPath	NULL
PEXRABackgroundColor	{PEXColortypeIndexed, 0}

Attribute Name	Default Value
PEXRAClearImage	False
PEXRAClearZ	True
PEXRAEchoMode	PEXNoEcho

The renderer resource may only be used in conjunction with drawables that have the same root and depth as specified drawable.

Note that the renderer's current path and renderer state attributes cannot be set explicitly using this function.

DATA STRUCTURES

typedef XID PEXRenderer;

See also **PEXlib.h.**

ERRORS

BadAlloc
The server failed to allocate the resource.

BadDrawable
The specified drawable resource identifier is invalid.

BadMatch
The specified drawable is unsupported, or the specified lookup table resource was not created with a drawable compatible with the specified drawable.

BadPEXLookupTable
The specified lookup table resource identifier is invalid.

BadPEXNameSet
The specified name set resource identifier is invalid.

BadPEXPipelineContext
The specified pipeline context resource identifier is invalid.

BadPEXRenderer
The specified renderer resource identifier is invalid.

BadValue
A specified value is out of range, or an invalid bit is set in the value mask.

SEE ALSO

PEXFreeRenderer(3)