

NAME

XtConvert, XtDirectConvert – invoke resource converters

SYNTAX

```
void XtConvert(Widget w, String from_type, XrmValuePtr from, String to_type, XrmValuePtr to_return);
```

```
void XtDirectConvert(XtConverter converter, XrmValuePtr args, Cardinal num_args, XrmValuePtr from,
XrmValuePtr to_return);
```

ARGUMENTS

<i>args</i>	Specifies the argument list that contains the additional arguments needed to perform the conversion (often NULL).
<i>converter</i>	Specifies the conversion procedure that is to be called.
<i>from</i>	Specifies the value to be converted.
<i>from_type</i>	Specifies the source type.
<i>num_args</i>	Specifies the number of additional arguments (often zero).
<i>to_type</i>	Specifies the destination type.
<i>to_return</i>	Returns the converted value.
<i>w</i>	Specifies the widget to use for additional arguments (if any are needed).

DESCRIPTION

The **XtConvert** function looks up the type converter registered to convert *from_type* to *to_type*, computes any additional arguments needed, and then calls **XtDirectConvert**. **XtConvert** has been replaced by **XtConvertAndStore**.

The **XtDirectConvert** function looks in the converter cache to see if this conversion procedure has been called with the specified arguments. If so, it returns a descriptor for information stored in the cache; otherwise, it calls the converter and enters the result in the cache.

Before calling the specified converter, **XtDirectConvert** sets the return value size to zero and the return value address to NULL. To determine if the conversion was successful, the client should check *to_return.address* for non-NULL. **XtDirectConvert** has been replaced by **XtCallConverter**.

SEE ALSO

XtAppAddConverter(3), XtStringConversionWarning(3), XtConvertAndStore(3), XtCallConverter(3)

X Toolkit Intrinsics – C Language Interface

Xlib – C Language X Interface