**XmbTextExtents, XwcTextExtents − compute text extents**

**int XmbTextExtents**(*font_set*, *string*, *num_bytes*, *overall_return*)
    **XFontSet** *font_set***;**
    **char \****string***;**
    **int** *num_bytes***;**
    **XRectangle \****overall_ink_return***;**
    **XRectangle \****overall_logical_return***;**

int XwcTextExtents(*font_set*, *string*, *num_wchars*, *overall_return*)
    XFontSet *font_set*;
    wchar_t \**string*;
    int *num_wchars*;
    XRectangle \**overall_ink_return*;
    XRectangle \**overall_logical_return*;


| | |
|---|---|
| *font_set* | Specifies the font set. |
| *num_bytes* | Specifies the number of bytes in the string argument. |
| *num_wchars* | Specifies the number of characters in the string argument. |
| *overall_ink_return* | Returns the overall ink dimensions. |
| *overall_logical_return* | Returns the overall logical dimensions. |
| *string* | Specifies the character string. |

**The XmbTextExtents** and **XwcTextExtents** functions set the components of the specified overall_ink_return and overall_logical_return arguments to the overall bounding box of the string's image and a logical bounding box for spacing purposes, respectively. They return the value returned by **XmbTextEscapement** or **XwcTextEscapement**. These metrics are relative to the drawing origin of the string, using the fonts loaded for the specified font set.

If the overall_ink_return argument is non-NULL, it is set to the bounding box of the string's character ink. The overall_ink_return for a nondescending, horizontally drawn Latin character is conventionally entirely above the baseline; that is, overall_ink_return.height <= −overall_ink_return.y. The overall_ink_return for a nonkerned character is entirely at, and to the right of, the origin; that is, overall_ink_return.x >= 0. A character consisting of a single pixel at the origin would set overall_ink_return fields y = 0, x = 0, width = 1, and height = 1.

If the overall_logical_return argument is non-NULL, it is set to the bounding box that provides minimum spacing to other graphical features for the string. Other graphical features, for example, a border surrounding the text, should not intersect this rectangle.

When the **XFontSet** has missing charsets, metrics for each unavailable character are taken from the default string returned by **XCreateFontSet** so that the metrics represent the text as it will actually be drawn. The behavior for an invalid codepoint is undefined.

**XmbTextEscapement(3X11), XmbTextPerCharExtents(3X11)** *Xlib − C Language X Interface*