

XcmsConvertColors – convert CCC color specifications

Status **XcmsConvertColors**(*ccc*, *colors_in_out*, *ncolors*, *target_format*, *compression_flags_return*)

XcmsCCC *ccc*;
XcmsColor *colors_in_out*[];
unsigned int *ncolors*;
XcmsColorFormat *target_format*;
Bool *compression_flags_return*[];

ccc Specifies the CCC. If Conversion is between device-independent color spaces only (for example, TekHVC to CIELuv), the CCC is necessary only to specify the Client White Point.

colors_in_out Specifies an array of color specifications. Pixel members are ignored and remain unchanged upon return.

compression_flags_return Returns an array of Boolean values indicating compression status. If a non-NULL pointer is supplied, each element of the array is set to **True** if the corresponding color was compressed and **False** otherwise. Pass NULL if the compression status is not useful.

ncolors Specifies the number of **XcmsColor** structures in the color-specification array.

target_format Specifies the target color specification format.

The XcmsConvertColors function converts the color specifications in the specified array of **XcmsColor** structures from their current format to a single target format, using the specified CCC. When the return value is **XcmsFailure**, the contents of the color specification array are left unchanged.

The array may contain a mixture of color specification formats (for example, 3 CIE XYZ, 2 CIE Luv, and so on). When the array contains both device-independent and device-dependent color specifications and the *target_format* argument specifies a device-dependent format (for example, **XcmsRGBiFormat**, **XcmsRGBFormat**), all specifications are converted to CIE XYZ format and then to the target device-dependent format.

DisplayOfCCC(3X11), XcmsCCCOfColormap(3X11), XcmsCreateCCC(3X11), XcmsDefaultCCC(3X11), XcmsSetWhitePoint(3X11)

Xlib – C Language X Interface