XcmsConvertColors – convert CCC color specifications

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

```c
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, `XcmsRGBFormat`, `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