

**NAME**

XcmsConvertColors - convert CCC color specifications

**SYNTAX**

```
Status XcmsConvertColors(XcmsCCC ccc, XcmsColor colors_in_out[], unsigned int ncolors,  
XcmsColorFormat target_format, Bool compression_flags_return[]);
```

**ARGUMENTS**

- 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.

**DESCRIPTION**

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.

**SEE ALSO**

DisplayOfCCC(3), XcmsCCCOfColormap(3), XcmsCreateCCC(3), XcmsDefaultCCC(3),  
XcmsSetWhitePoint(3)  
*Xlib - C Language X Interface*