

# ColumnProperties

## Description

The `ColumnProperties` class represents a single column in a worksheet.

### C#

```
public sealed class ColumnProperties
```

### vb.net

```
Public NotInheritable Class ColumnProperties
```

## Remarks

To return a `ColumnProperties` object, use `Worksheet.GetColumnProperties()`. The following sample gets the column properties for the first column of the first worksheet.

## Examples

### C#

```
ExcelApplication xla = new ExcelApplication();  
Workbook wb = xla.Create();  
Worksheet ws = wb.Worksheets[0];  
ColumnProperties colProps = ws.GetColumnProperties(0);
```

### vb.net

```
Dim xla As New ExcelApplication()  
Dim wb As Workbook = xla.Create()  
Dim ws As Worksheet = wb.Worksheets(0)  
Dim colProps As ColumnProperties = ws.GetColumnProperties(0)
```

## Properties

Name	Description
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ColumnNumber	Returns the column's 0-based index.
Hidden	Sets or returns whether or not the column will be hidden when the workbook is opened in Excel.
OutlineCollapsed	Sets or returns whether the column's outlined column group is collapsed. If the outline is collapsed, the column is hidden.
OutlineLevel	Sets or returns the outline level of the column, as a value between 0 and 7. The outline level is used to control grouping in Excel. For example, to group several columns, set their outline levels to 1; to group a subset of columns within the group, set their outline levels to 2.
PaddingInChars	Returns 'padding' (in characters) that needs to be added to the column width (in characters) to get true width of this column.
Style	Sets or returns a <a href="#">Style</a> object that determines how cells in the column look, including number format, font, orientation, etc.
Width	Sets or returns the width of the column in points (1/72 of an inch).
WidthInChars	Sets or returns the width of the column as a number of '0' characters in the font of the 'Normal' style. This must be a value between 0 - 255.

## Methods

Name	Description
<a href="#">ApplyStyle(Style)</a>	Applies a style to the column. When a style is applied - rather than set (see <a href="#">ColumnProperties.Style</a> ) - only the differences between the new style and style properties previously assigned to the column (through the ExcelWriter API or in Microsoft Excel) will take effect. For example, if a cell in the column has a background color and the new style applied does not contain a background color, the cell's color will not be affected.
<a href="#">AutoFitWidth()</a>	Automatically sets the width of the column to the width of the widest cell value in the column.