

# Palette

## Description

The [Palette](#) class represents Excel's color palette.

### C#

```
public sealed class Palette
```

### vb.net

```
Public NotInheritable Class Palette
```

## Remarks

Each Excel document has a single color palette that manages the colors for formatting and some drawing layer colors. A color palette contains 56 colors that may be referenced. Each of these 56 colors may be customized, but changing a color in the palette will affect all formatting that uses the referenced color. A workbook's color palette is accessible through [Workbook.Palette](#).

## Examples

### C#

```
ExcelApplication xla = new ExcelApplication();  
Workbook wb = xla.Create();  
Palette pal = wb.Palette;
```

### vb.net

```
Dim xla As New ExcelApplication()  
Dim wb As Workbook = xla.Create()  
Dim pal As Palette = wb.Palette
```

## Fields

Name	Description
<a href="#">MinColorIndex</a>	The minimum valid index of a color within the palette.

MinRGBValue	The minimum value that an RGB component value may have.
MaxColorIndex	The maximum valid index of a color within the palette.
MaxRGBValue	The maximum value that an RGB component value may have.

## Methods

Name	Description
GetClosestColor(Int32, Int32, Int32)	Returns the closest color to the specified RGB value that the file can support.
GetClosestColor(System.Drawing.Color)	Returns the closest color to the specified color that the file can support.
GetColor(Int32, Int32, Int32)	Returns a color representing the specified RGB value, and throws an exception if the file does not support the specified color.
GetColor(System.Drawing.Color)	Returns a <a href="#">Color</a> representing the specified color, and throws an exception if the file does not support the specified color.
GetColorAt(Int32)	Returns the color at the specified 0-based index within the Palette.
SetColor(Color, Int32, Int32, Int32)	Changes the RGB value of a specified <a href="#">Color</a> object, and updates all objects referencing that color.
SetColorAt(Int32, Int32, Int32, Int32)	Replaces the color at the specified index in the palette with a new color.

## Nested Classes

Name	Description
SystemColor	Primary System Colors