

# Palette.GetClosestColor(Int32, Int32, Int32)

## Description

Returns the closest color to the specified RGB value that the file can support.

### C#

```
public Color GetClosestColor(int red, int green, int blue)
```

### vb.net

```
Public Function GetClosestColor(ByVal red As Integer, ByVal green As Integer, ByVal  
blue As Integer) As Color
```

## Parameters

### *red*

The red component of the desired color. Must be between 0 and 255.

### *green*

The green component of the desired color. Must be between 0 and 255.

### *blue*

The blue component of the desired color. Must be between 0 and 255.

## Returns

The closest color in the palette to the specified RGB value

## Exceptions

### ***System.ArgumentOutOfRangeException***

If the given red, green, or blue value is not between 0 and 255.

## Remarks

For .xls files, this will be the color in the palette that has the minimum difference between the specified RGB value and its RGB value. .xlsx files are not limited to colors in the palette, and will return a [Color](#) representing the specified RGB values exactly.

## Examples

## C#

```
Color clr = pal.GetClosestColor(162, 221, 139);
```

## vb.net

```
Dim clr As Color = pal.GetCloestColor(162, 221, 139)
```