

# Converting Colors

RGB(102, 193, 166)

Have a look what the booklet for  
RGB(102, 193, 166) contains.

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# Color

**RGB(102, 193, 166)**

# Conversions

Conversions Part 1	
Format	Color
Hex	66C1A6
RGB	102, 193, 166
RGB Percent	40%, 76%, 65%
CMY	0.6000, 0.2431, 0.3490
CMYK	0.47, 0.00, 0.14, 0.24
HSL	162°, 42%, 58%
HSV	162°, 47%, 76%
XYZ	31.4324, 43.7179, 42.8581
YIQ	162.7130, -45.5690, -27.6890

# Conversions

## Conversions Part 2

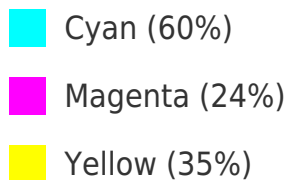
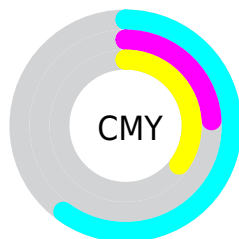
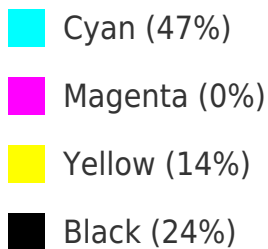
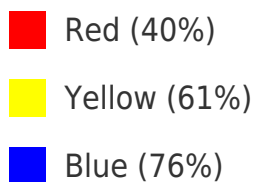
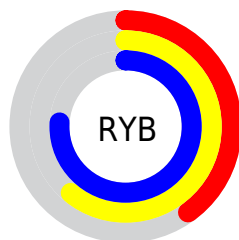
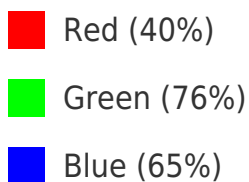
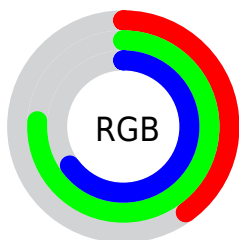
Format	Color
<a href="#">RYB</a>	<a href="#">102, 155, 193</a>
Decimal	<a href="#">6734246</a>
CIELab	<a href="#">72.04, -33.71, 5.22</a>
CIELCh	<a href="#">72, 34.116, 171.200</a>
Yxy	<a href="#">43.7179, 0.2664, 0.3705</a>
Android (android.graphics.Color)	<a href="#">4284924326</a> (0xFF66C1A6)
YUV	<a href="#">162.7130, 1.6205, -53.2453</a>
Hunter-Lab	<a href="#">66.1195, -30.8524, 7.8523</a>

# Details

The RGB color **102, 193, 166** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **193, 102, 129**, and the grayscale version is **163, 163, 163**.

A 20% lighter version of the original color is **158, 250, 221**, and **44, 139, 114** is the 20% darker color. If you saturate the color by 10%, you get **83, 193, 160**, and if you desaturate by 10%, it is **121, 193, 172**.

# Distribution



# Brightness & Saturation Gradients

These gradients show how the RGB color 102, 193, 166 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RGB color 102, 193, 166 by changing the saturation by 10% instead.



 102, 193, 166

255, 255, 255


 158, 250, 221


 186, 255, 250


 215, 255, 255

 245, 255, 255

 102, 193, 166

 74, 166, 140

 44, 139, 114

 0, 113, 90

 0, 88, 66

 0, 64, 44


 0, 41, 24


 0, 14, 0


 0, 0, 0


 102, 193, 166


 102, 193, 166


 83, 193, 160


 121, 193, 172


 63, 193, 155

 141, 193, 177

 44, 193, 149

 160, 193, 183


 25, 193, 143


 179, 193, 189


 5, 193, 137

 199, 193, 195

 0, 193, 136

 218, 193, 200

 237, 193, 206

 255, 193, 212

 255, 193, 218

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



140, 189, 137



102, 193, 166



71, 193, 198

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



102, 193, 166



168, 172, 234



229, 161, 129

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



102, 193, 166



193, 102, 129

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



238, 154, 156



102, 193, 166



207, 161, 216

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



102, 193, 166



120, 182, 238



232, 154, 187



206, 172, 115

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



102, 193, 166



69, 191, 217



232, 154, 187



234, 158, 137

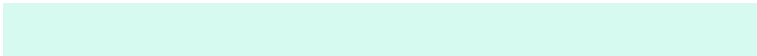


# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



102, 193, 166



215, 250, 240



129, 193, 102



104, 125, 119



252, 252, 252



125, 125, 125



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



102, 193, 166



107, 250, 208



102, 175, 193



87, 97, 94



0, 161, 113



0, 33, 23



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



193, 102, 129



250, 107, 150



193, 120, 102



97, 87, 90



161, 0, 48

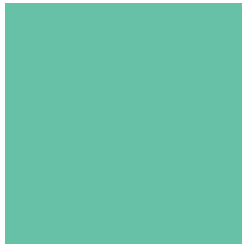


33, 0, 10



# Previews

## White Background



This preview shows how the RGB color 102, 193, 166 looks on a white background.

## Color Contrast Check

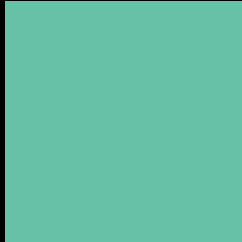
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the RGB color 102, 193, 166 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RGB 102, 193, 166 Background



This preview shows how black text looks on a background with the RGB color 102, 193, 166.

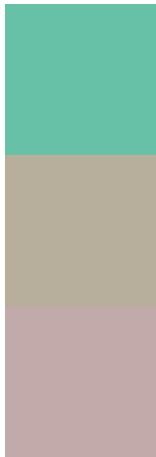


This preview shows how white text looks on a background with the RGB color 102, 193, 166.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



**Original Color**  
102, 193, 166

**Protanopia**  
183, 175, 156

**Deuteranopia**  
194, 170, 171



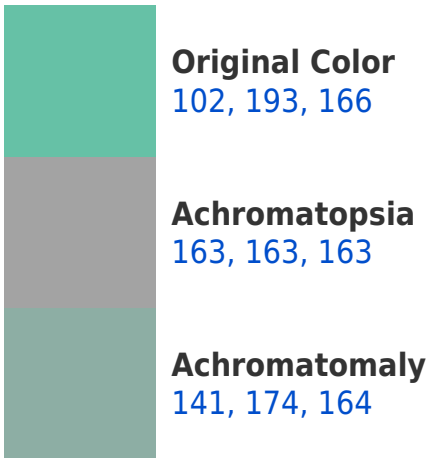
## Tritanopia

112, 188, 203

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to RGB 102, 193, 166 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(102, 193, 166)` looks like.

```
.text, #text, p{  
    color:rgb(102, 193, 166)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(102, 193, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 193, 166) }
```

## Border

The CSS property to change the border of an element to RGB 102, 193, 166 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(102, 193, 166) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(102, 193, 166) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(102, 193, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 193, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 193, 166);  
box-shadow:4px 4px 4px 4px rgb(102, 193,  
166) }
```

# Background

The CSS property to change the background color of an element to RGB 102, 193, 166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 193, 166) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(102,  
193, 166) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).



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