

Converting Colors

RGB(0, 204, 166)

Have a look what the booklet for
RGB(0, 204, 166) contains.

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Color

RGB(0, 204, 166)

Conversions

Conversions Part 1

Format	Color
Hex	00CCA6
RGB	0, 204, 166
RGB Percent	0%, 80%, 65%
CMY	1.0000, 0.2000, 0.3490
CMYK	1.00, 0.00, 0.19, 0.20
HSL	169°, 100%, 40%
HSV	169°, 100%, 80%
XYZ	28.4758, 45.9389, 43.4427
YIQ	138.6720, -109.3860, -55.0660

Conversions

Conversions Part 2

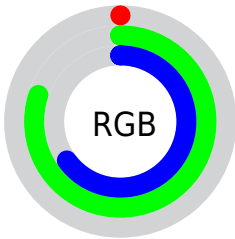
Format	Color
RYB	0, 112, 204
Decimal	52390
CIELab	73.51, -51.23, 7.08
CIELCh	74, 51.722, 172.128
Yxy	45.9389, 0.2416, 0.3898
Android (android.graphics.Color)	4278242470 (0xFF00CCA6)
YUV	138.6720, 13.4727, -121.6153
Hunter-Lab	67.7782, -43.6184, 9.4427

Details

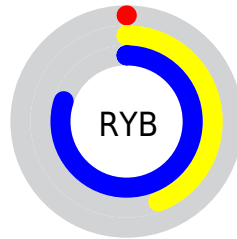
The RGB color **0, 204, 166** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **204, 0, 38**, and the grayscale version is **139, 139, 139**.

A 20% lighter version of the original color is **103, 255, 221**, and **0, 149, 114** is the 20% darker color. If you saturate the color by 10%, you get **0, 204, 166**, and if you desaturate by 10%, it is **20, 204, 170**.

Distribution



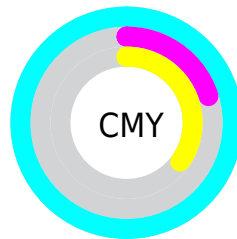
- Red (0%)
- Green (80%)
- Blue (65%)



- Red (0%)
- Yellow (44%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (19%)
- Black (20%)



- Cyan (100%)
- Magenta (20%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the RGB color 0, 204, 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 0, 204, 166 by changing the saturation by 10% instead.

 0, 204, 166

 0, 204, 166


255, 255, 255

 0, 176, 140


 103, 255, 221

 0, 149, 114

 136, 255, 250

 0, 122, 90

 167, 255, 255

 0, 96, 66

 198, 255, 255

 0, 71, 44

 229, 255, 255

 0, 48, 23

 0, 21, 0

 0, 0, 0

 0, 204, 166

■ 20, 204, 170

■ 41, 204, 174

■ 61, 204, 177

■ 82, 204, 181

■ 102, 204, 185

■ 122, 204, 189

■ 143, 204, 193

■ 163, 204, 196

■ 184, 204, 200

Harmonies

Analogous

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



118, 199, 120



0, 204, 166



0, 205, 215

Triad

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



0, 204, 166



164, 173, 255



254, 156, 107

Complementary

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



0, 204, 166



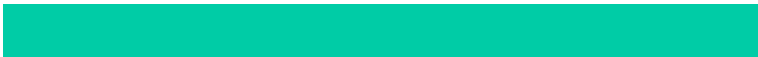
204, 0, 38

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.



255, 143, 147



0, 204, 166



227, 155, 239

Square

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



0, 204, 166



58, 189, 255



255, 142, 195



220, 174, 84

Rectangle

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



0, 204, 166



0, 202, 243



255, 142, 195



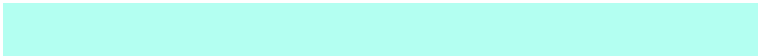
255, 151, 119

Sweetspot

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



0, 204, 166



179, 255, 241



41, 204, 0



82, 128, 119



0, 0, 0



128, 128, 128

Same Dimension

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



0, 204, 166



0, 255, 207



0, 143, 204



92, 102, 100



0, 166, 135



0, 38, 31

Inverse Universe

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



204, 0, 38



255, 0, 48



204, 61, 0



102, 92, 94



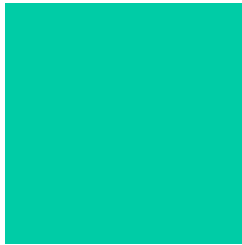
166, 0, 31



38, 0, 7

Previews

White Background



This preview shows how the RGB color 0, 204, 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 0, 204, 166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

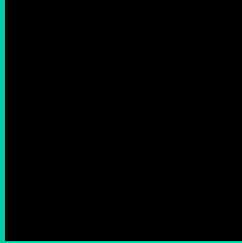
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

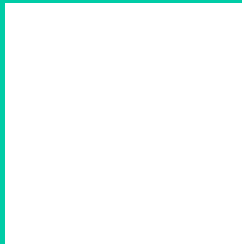
Any Text WCAG AAA ✓ Pass

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

RGB 0, 204, 166 Background



This preview shows how black text looks on a background with the RGB color 0, 204, 166.

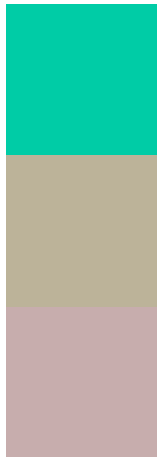


This preview shows how white text looks on a background with the RGB color 0, 204, 166.

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](#).

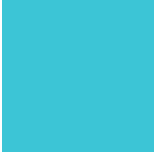
Dichromacy



Original Color
0, 204, 166

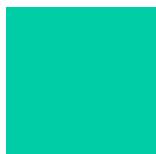
Protanopia
188, 179, 153

Deuteranopia
199, 173, 173



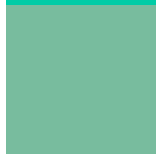
Tritanopia
60, 197, 214

Trichromacy



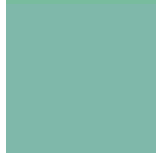
Original Color

0, 204, 166



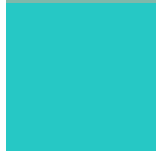
Protanomaly

120, 188, 158



Deuteranomaly

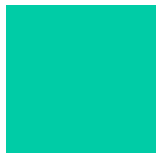
127, 184, 170



Tritanomaly

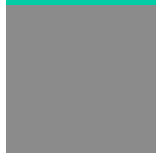
38, 200, 197

Monochromacy



Original Color

0, 204, 166



Achromatopsia

139, 139, 139



Achromatomaly

88, 163, 149

CSS Examples

Text

The CSS property to change the color of the text to RGB 0, 204, 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(0, 204, 166)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 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(0, 204, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 166) }
```

Border

The CSS property to change the border of an element to RGB 0, 204, 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(0, 204, 166) }
```

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

```
.border{ border-color:rgb(0, 204, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 204, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 166);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
166) }
```

Background

The CSS property to change the background color of an element to RGB 0, 204, 166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 166) }
```

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

```
.background{ background-color: rgb(0, 204,  
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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