

Converting Colors

RGB(0, 166, 201)

Have a look what the booklet for
RGB(0, 166, 201) contains.

RGB(0, 166, 201)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

RGB(0, 166, 201)

Conversions

Conversions Part 1

Format	Color
Hex	00A6C9
RGB	0, 166, 201
RGB Percent	0%, 65%, 79%
CMY	1.0000, 0.3490, 0.2118
CMYK	1.00, 0.17, 0.00, 0.21
HSL	190°, 100%, 39%
HSV	190°, 100%, 79%
XYZ	24.1788, 31.4895, 60.0621
YIQ	120.3560, -110.1710, -24.3070

Conversions

Conversions Part 2

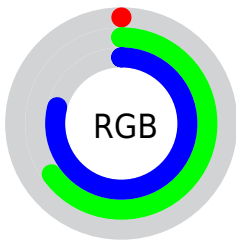
Format	Color
RYB	0, 91, 201
Decimal	42697
CIELab	62.92, -23.35, -27.96
CIELCh	63, 36.429, 230.127
Yxy	31.4895, 0.2089, 0.2721
Android (android.graphics.Color)	4278232777 (0xFF00A6C9)
YUV	120.3560, 39.7575, -105.5522
Hunter-Lab	56.1155, -21.2907, -24.1790

Details

The RGB color **0, 166, 201** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **201, 35, 0**, and the grayscale version is **120, 120, 120**.

A 20% lighter version of the original color is **101, 221, 255**, and **0, 114, 147** is the 20% darker color. If you saturate the color by 10%, you get **0, 166, 201**, and if you desaturate by 10%, it is **20, 169, 201**.

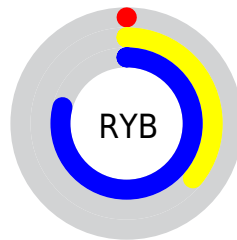
Distribution



Red (0%)

Green (65%)

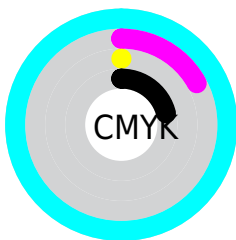
Blue (79%)



Red (0%)

Yellow (36%)

Blue (79%)

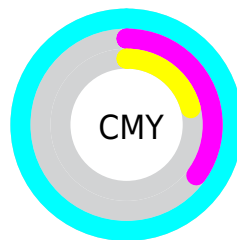


Cyan (100%)

Magenta (17%)

Yellow (0%)

Black (21%)



Cyan (100%)

Magenta (35%)


Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the RGB color 0, 166, 201 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, 166, 201 by changing the saturation by 10% instead.

 0, 166, 201

 0, 166, 201

255, 255, 255

 0, 139, 174


 101, 221, 255

 0, 114, 147

 133, 250, 255

 0, 89, 121

 164, 255, 255

 0, 65, 96

 195, 255, 255

 0, 43, 72

 225, 255, 255

 0, 21, 50

 0, 2, 28

 0, 0, 0

 0, 166, 201

■ 20, 169, 201

■ 40, 173, 201

■ 60, 176, 201

■ 80, 180, 201

■ 101, 183, 201

■ 121, 187, 201

■ 141, 191, 201

■ 161, 194, 201

■ 181, 198, 201

Harmonies

Analogous

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



0, 169, 173



0, 166, 201



84, 159, 215

Triad

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



0, 166, 201



208, 128, 164



151, 157, 90

Complementary

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



0, 166, 201



201, 35, 0

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.



183, 147, 88



0, 166, 201



215, 128, 132

Square

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



0, 166, 201



182, 136, 194



206, 135, 104



114, 165, 110

Rectangle

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



0, 166, 201



123, 152, 216



206, 135, 104



163, 154, 87

Sweetspot

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



0, 166, 201



179, 242, 255



0, 201, 33



82, 120, 128



0, 0, 0



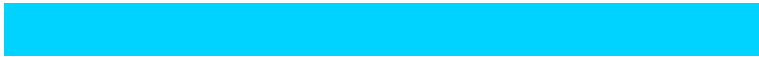
128, 128, 128

Same Dimension

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



0, 166, 201



0, 211, 255



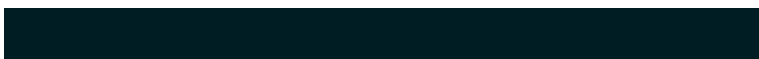
0, 67, 201



90, 98, 99



0, 135, 163



0, 29, 36

Inverse Universe

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



201, 0, 166



255, 0, 211



201, 134, 0



99, 90, 98



163, 0, 135



36, 0, 29

Previews

White Background



This preview shows how the RGB color 0, 166, 201 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, 166, 201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

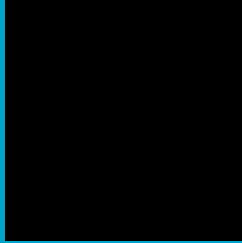
Any Text WCAG AA ✓ Pass

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, 166, 201 Background



This preview shows how black text looks on a background with the RGB color 0, 166, 201.



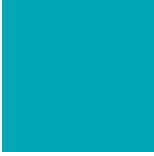
This preview shows how white text looks on a background with the RGB color 0, 166, 201.

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





Tritanopia
0, 168, 182

Trichromacy



Original Color

0, 166, 201



Protanomaly

90, 156, 193



Deuteranomaly

87, 155, 204



Tritanomaly

0, 167, 189

Monochromacy



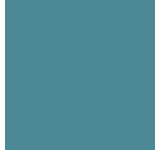
Original Color

0, 166, 201



Achromatopsia

120, 120, 120



Achromatomaly

76, 137, 149

CSS Examples

Text

The CSS property to change the color of the text to RGB 0, 166, 201 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, 166, 201)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 201)  
}
```

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, 166, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 201) }
```

Border

The CSS property to change the border of an element to RGB 0, 166, 201 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, 166, 201) }
```

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

```
.border{ border-color:rgb(0, 166, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 166, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 201);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
201) }
```

Background

The CSS property to change the background color of an element to RGB 0, 166, 201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 201) }
```

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

```
.background{ background-color: rgb(0, 166,  
201) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor