

# Converting Colors

Hex(0BB5B5)

Have a look what the booklet for  
Hex(0BB5B5) contains.

<b>Hex(0BB5B5)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(0BB5B5)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0BB5B5
RGB	11, 181, 181
RGB Percent	4%, 71%, 71%
CMY	0.9569, 0.2902, 0.2902
CMYK	0.94, 0.00, 0.00, 0.29
HSL	180°, 89%, 38%
HSV	180°, 94%, 71%
XYZ	25.0024, 36.4551, 49.4348
YIQ	130.1700, -101.3200, -36.0400

# Conversions

## Conversions Part 2

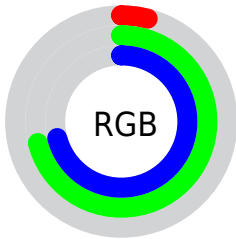
Format	Color
<a href="#">RYB</a>	<a href="#">11, 96, 181</a>
Decimal	<a href="#">767413</a>
CIELab	<a href="#">66.87, -36.81, -10.84</a>
CIELCh	<a href="#">67, 38.376, 196.413</a>
Yxy	<a href="#">36.4551, 0.2255, 0.3287</a>
Android (android.graphics.Color)	<a href="#">4278957493 (0xFF0BB5B5)</a>
YUV	<a href="#">130.1700, 25.0592, -104.5121</a>
Hunter-Lab	<a href="#">60.3781, -31.7453, -6.2794</a>

# Details

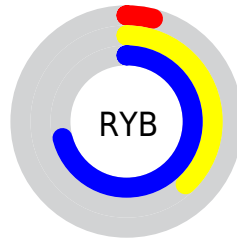
The Hex color **0BB5B5** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **B50B0B**, and the grayscale version is **828282**.

A 20% lighter version of the original color is **66EDED**, and **007F80** is the 20% darker color. If you saturate the color by 10%, you get **00B5B5**, and if you desaturate by 10%, it is **1DB5B5**.

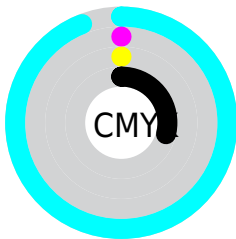
# Distribution



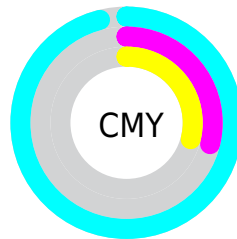
- Red (4%)
- Green (71%)
- Blue (71%)



- Red (4%)
- Yellow (38%)
- Blue (71%)



- Cyan (94%)
- Magenta (0%)
- Yellow (0%)
- Black (29%)



- Cyan (96%)
- Magenta (29%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0BB5B5 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 Hex color 0BB5B5 by changing the saturation by 10% instead.





0BB5B5



0BB5B5

FFFFFF



009A9A



66EDED



007F80



85FFFF



006667



A4FFFF



004D4F



C3FFFF



003538



E2FFFF



002123



00010D



000000



0BB5B5



0BB5B5

■ 00B5B5

■ 1DB5B5

■ 2FB5B5

■ 41B5B5

■ 53B5B5

■ 66B5B5

■ 78B5B5

■ 8AB5B5

■ 9CB5B5

■ AEB5B5

# Harmonies

## Analogous

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



52B491



0BB5B5



00B2D4

# Triad

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



0BB5B5



BE93D3



C79B5F

# Complementary

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



0BB5B5



B50B0B

# 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.



DE8F72



0BB5B5



DC89B4

# Square

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



0BB5B5



8FA0E5



E68891



A6A75F

# Rectangle

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



0BB5B5



39AEE1



E68891



D09764



# Sweetspot

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



0BB5B5



A9EBEB



0BB50B



4D7575



F5F5F5



757575



# Same Dimension

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



0BB5B5



00EBEB



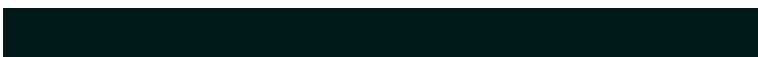
0B60B5



505959



009999



001A1A



# Inverse Universe

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



B50BB5



EB00EB



B5600B



595059



990099

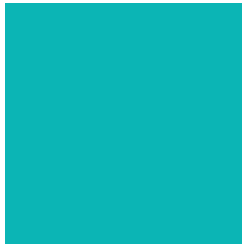


1A001A



# Previews

## White Background



This preview shows how the Hex color 0BB5B5 looks on a white background.

## Color Contrast Check

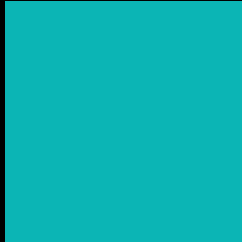
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 0BB5B5 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

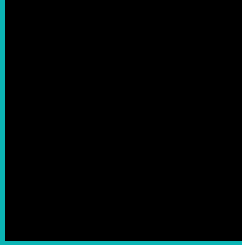
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 0BB5B5 Background



This preview shows how black text looks on a background with the Hex color 0BB5B5.

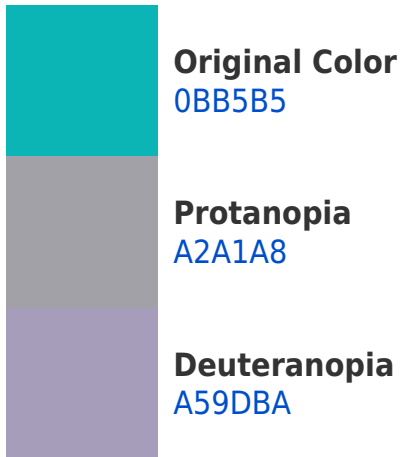


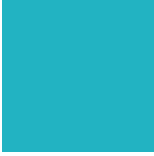
This preview shows how white text looks on a background with the Hex color 0BB5B5.

# 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**  
22B3C2

# Trichromacy



**Original Color**  
0BB5B5



**Protanomaly**  
6BA8AD



**Deuteranomaly**  
6DA6B8



**Tritanomaly**  
1AB4BD

# Monochromacy



**Original Color**  
0BB5B5



**Achromatopsia**  
828282



**Achromatomaly**  
579595

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0BB5B5 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 #0BB5B5 looks like.

```
.text, #text, p{  
    color:#0BB5B5  
}
```

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 #0BB5B5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0BB5B5
}
```

## Border

The CSS property to change the border of an element to Hex 0BB5B5 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
#0BB5B5 }
```

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

```
.border{ border-color:#0BB5B5 }
```

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

Here you see how a box with a 4 pixel #0BB5B5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0BB5B5; -webkit-box-shadow:4px 4px  
4px 4px #0BB5B5; box-shadow:4px 4px 4px  
4px #0BB5B5 }
```

# Background

The CSS property to change the background color of an element to Hex 0BB5B5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0BB5B5 }
```

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

```
.background{ background-color:#0BB5B5 }
```

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