

# Converting Colors

Hex(03B3B3)

Have a look what the booklet for  
Hex(03B3B3) contains.

<b>Hex(03B3B3)</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(03B3B3)

# Conversions

## Conversions Part 1

Format	Color
Hex	03B3B3
RGB	3, 179, 179
RGB Percent	1%, 70%, 70%
CMY	0.9882, 0.2980, 0.2980
CMYK	0.98, 0.00, 0.00, 0.30
HSL	180°, 97%, 36%
HSV	180°, 98%, 70%
XYZ	24.2943, 35.5142, 48.2223
YIQ	126.3760, -104.8960, -37.3120

# Conversions

## Conversions Part 2

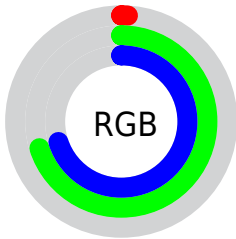
<b>Format</b>	<b>Color</b>
<b>RYB</b>	3, 91, 179
Decimal	242611
CIELab	66.15, -36.77, -10.82
CIELCh	66, 38.324, 196.394
Yxy	35.5142, 0.2249, 0.3287
Android (android.graphics.Color)	4278432691 (0xFF03B3B3)
YUV	126.3760, 25.9436, -108.2008
Hunter-Lab	59.5938, -31.5209, -6.2608

# Details

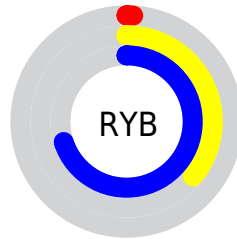
The Hex color **03B3B3** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **B30303**, and the grayscale version is **7E7E7E**.

A 20% lighter version of the original color is **64EBEB**, and **007D7E** is the 20% darker color. If you saturate the color by 10%, you get **00B3B3**, and if you desaturate by 10%, it is **15B3B3**.

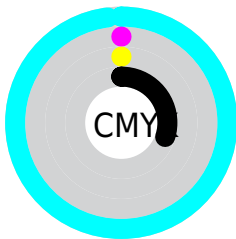
# Distribution



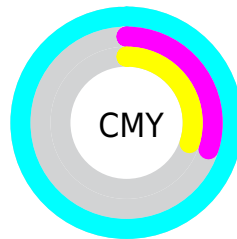
- Red (1%)
- Green (70%)
- Blue (70%)



- Red (1%)
- Yellow (36%)
- Blue (70%)



- Cyan (98%)
- Magenta (0%)
- Yellow (0%)
- Black (30%)



- Cyan (99%)
- Magenta (30%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 03B3B3 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 03B3B3 by changing the saturation by 10% instead.



 03B3B3

 03B3B3

FFFFFF

 009898

 64EBEB

 007D7E

 83FFFF

 006465

 A2FFFF

 004B4E

 C1FFFF

 003437

 DFFFFF

 001F21

FEFFFF

 00000A

 000000

 03B3B3

 03B3B3

■ 00B3B3

■ 15B3B3

■ 27B3B3

■ 39B3B3

■ 4BB3B3

■ 5CB3B3

■ 6EB3B3

■ 80B3B3

■ 92B3B3

■ A4B3B3

# Harmonies

## Analogous

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



50B28F



03B3B3



00B0D2

# Triad

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



03B3B3



BC91D0



C5995E

# Complementary

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



03B3B3



B30303

# 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.



DB8E70



03B3B3



DA87B2

# Square

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



03B3B3



8D9EE3



E4868F



A4A55D

# Rectangle

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



03B3B3



36ACDF



E4868F



CE9562



# Sweetspot

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



03B3B3



A5E8E8



03B303



4C7575



F5F5F5



757575



# Same Dimension

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



03B3B3



00E8E8



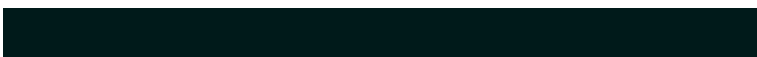
035BB3



505959



009999



001A1A



# Inverse Universe

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



B303B3



E800E8



B35B03



595059



990099



1A001A



# Previews

## White Background



This preview shows how the Hex color 03B3B3 looks on a white background.

## Color Contrast Check

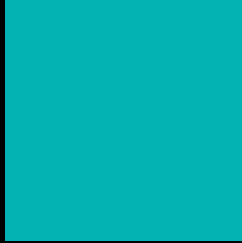
Large Text (above 18pt) WCAG AA × Fail

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 03B3B3 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

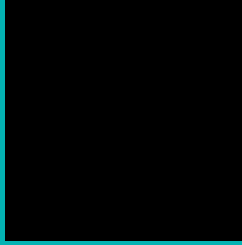
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

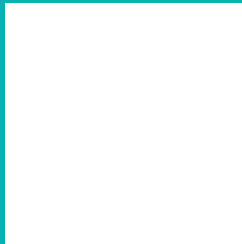
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 03B3B3 Background



This preview shows how black text looks on a background with the Hex color 03B3B3.

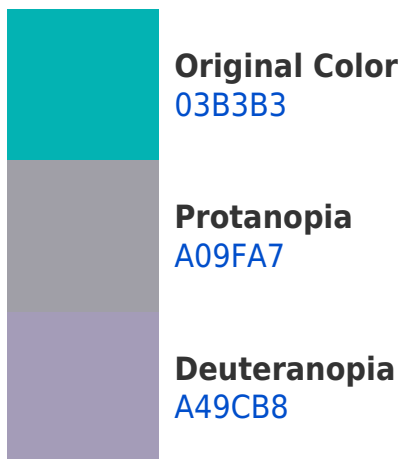


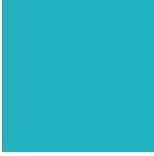
This preview shows how white text looks on a background with the Hex color 03B3B3.

# 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**  
21B1BF

# Trichromacy



**Original Color**  
03B3B3



**Protanomaly**  
67A6AB



**Deuteranomaly**  
69A4B6



**Tritanomaly**  
16B2BB

# Monochromacy



**Original Color**  
03B3B3



**Achromatopsia**  
7E7E7E



**Achromatomaly**  
519191

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 03B3B3 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 #03B3B3 looks like.

```
.text, #text, p{  
    color:#03B3B3  
}
```

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 #03B3B3 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #03B3B3
}
```

## Border

The CSS property to change the border of an element to Hex 03B3B3 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
#03B3B3 }
```

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

```
.border{ border-color:#03B3B3 }
```

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

Here you see how a box with a 4 pixel #03B3B3 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #03B3B3; -webkit-box-shadow:4px 4px  
4px 4px #03B3B3; box-shadow:4px 4px 4px  
4px #03B3B3 }
```

# Background

The CSS property to change the background color of an element to Hex 03B3B3 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#03B3B3 }
```

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

```
.background{ background-color:#03B3B3 }
```

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