

# Converting Colors

Hex(04BBB2)

Have a look what the booklet for  
Hex(04BBB2) contains.

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**Color**

**Hex(04BBB2)**

# Conversions

## Conversions Part 1

Format	Color
Hex	04BBB2
RGB	4, 187, 178
RGB Percent	2%, 73%, 70%
CMY	0.9843, 0.2667, 0.3020
CMYK	0.98, 0.00, 0.05, 0.27
HSL	177°, 96%, 37%
HSV	177°, 98%, 73%
XYZ	25.8563, 38.7808, 48.2422
YIQ	131.2570, -106.1790, -41.5950

# Conversions

## Conversions Part 2

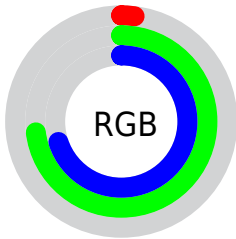
<b>Format</b>	<b>Color</b>
<b>RYB</b>	4, 98, 187
Decimal	310194
CIELab	68.59, -40.65, -6.62
CIELCh	69, 41.182, 189.253
Yxy	38.7808, 0.2291, 0.3436
Android (android.graphics.Color)	4278500274 (0xFF04BBB2)
YUV	131.2570, 23.0443, -111.6044
Hunter-Lab	62.2742, -34.8667, -2.3384

# Details

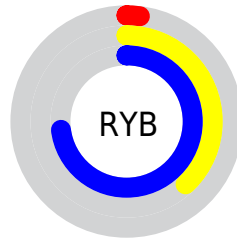
The Hex color **04BBB2** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **BB040D**, and the grayscale version is **838383**.

A 20% lighter version of the original color is **65F4EA**, and **00857D** is the 20% darker color. If you saturate the color by 10%, you get **00BBB2**, and if you desaturate by 10%, it is **17BBB3**.

# Distribution



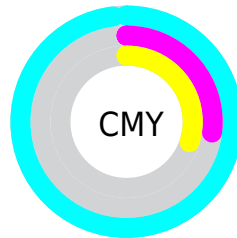
- Red (2%)
- Green (73%)
- Blue (70%)



- Red (2%)
- Yellow (38%)
- Blue (73%)



- Cyan (98%)
- Magenta (0%)
- Yellow (5%)
- Black (27%)



- Cyan (98%)
- Magenta (27%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 04BBB2 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 04BBB2 by changing the saturation by 10% instead.



 04BBB2

 04BBB2

FFFFFF

 00A097

 65F4EA

 00857D

 85FFFF

 006B65

 A4FFFF

 00524D

 C3FFFF

 003A36

 E2FFFF

 002521

 00000A

 000000

 04BBB2

 04BBB2

■ 00BBB2

■ 17BBB3

■ 29BBB4

■ 3CBBB5

■ 4FBBB6

■ 62BBB7

■ 74BBB8

■ 87BBB8

■ 9ABBB9

■ ACBBBA

# Harmonies

## Analogous

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



5BB98C



04BBB2



00B9D5

# Triad

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



04BBB2



BA99E1



D59C62

# Complementary

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



04BBB2



BB040D

# 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.



EA907A



04BBB2



DF8DC3

# Square

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



04BBB2



82A7F1



EF8A9D



B4A95C

# Rectangle

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



04BBB2



00B5E6



EF8A9D



DD9868



# Sweetspot

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



04BBB2



ACF2EF



0DBB04



507A78



FAFAFA



7A7A7A



# Same Dimension

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



04BBB2



00F2E6



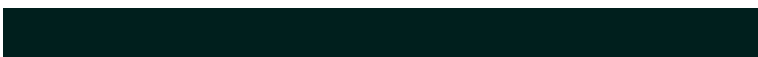
0469BB



555E5E



009E96



001F1D



# Inverse Universe

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



BB040D



F2000C



BB5604



5E5555



9E0008

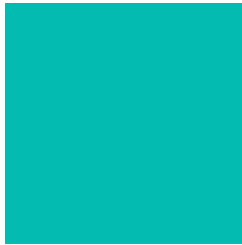


1F0002



# Previews

## White Background



This preview shows how the Hex color 04BBB2 looks on a white background.

## Color Contrast Check

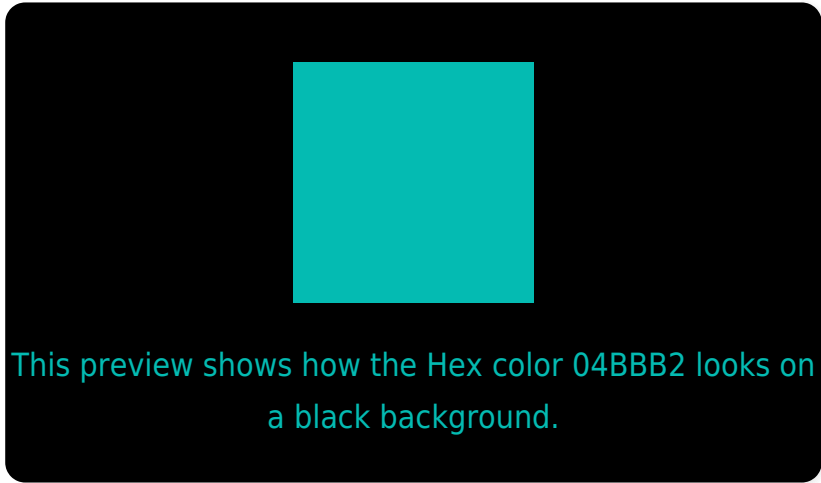
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## 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

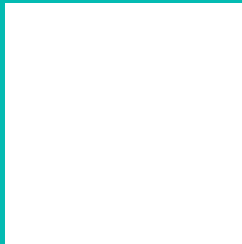
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 04BBB2 Background



This preview shows how black text looks on a background with the Hex color 04BBB2.

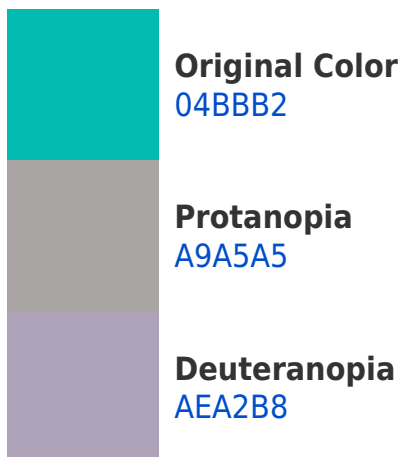


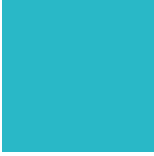
This preview shows how white text looks on a background with the Hex color 04BBB2.

# 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**  
29B8C7

# Trichromacy



**Original Color**  
04BBB2



**Protanomaly**  
6DADAA



**Deuteranomaly**  
70ABB6



**Tritanomaly**  
1CB9BF

# Monochromacy



**Original Color**  
04BBB2



**Achromatopsia**  
838383



**Achromatomaly**  
559794

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 04BBB2 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 #04BBB2 looks like.

```
.text, #text, p{  
  color:#04BBB2  
}
```

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 #04BBB2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #04BBB2
}
```

## Border

The CSS property to change the border of an element to Hex 04BBB2 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
#04BBB2 }
```

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

```
.border{ border-color:#04BBB2 }
```

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

Here you see how a box with a 4 pixel #04BBB2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #04BBB2; -webkit-box-shadow:4px 4px  
4px 4px #04BBB2; box-shadow:4px 4px 4px  
4px #04BBB2 }
```

# Background

The CSS property to change the background color of an element to Hex 04BBB2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#04BBB2 }
```

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

```
.background{ background-color:#04BBB2 }
```

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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