

Converting Colors

Hex(00EBB3)

Have a look what the booklet for
Hex(00EBB3) contains.

Hex(00EBB3)	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

Hex(00EBB3)

Conversions

Conversions Part 1

Format	Color
Hex	00EBB3
RGB	0, 235, 179
RGB Percent	0%, 92%, 70%
CMY	1.0000, 0.0784, 0.2980
CMYK	1.00, 0.00, 0.24, 0.08
HSL	166°, 100%, 46%
HSV	166°, 100%, 92%
XYZ	37.8450, 62.6713, 52.7500
YIQ	158.3510, -122.0840, -67.2360

Conversions

Conversions Part 2

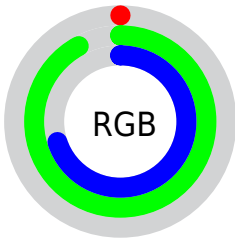
Format	Color
RYB	0, 133, 235
Decimal	60339
CIELab	83.27, -60.04, 14.07
CIELCh	83, 61.671, 166.807
Yxy	62.6713, 0.2469, 0.4089
Android (android.graphics.Color)	4278250419 (0xFF00EBB3)
YUV	158.3510, 10.1800, -138.8738
Hunter-Lab	79.1652, -53.2071, 15.9091

Details

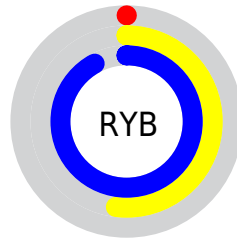
The Hex color **00EBB3** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed spring green. A complement of this color would be **EB0038**, and the grayscale version is **9E9E9E**.

A 20% lighter version of the original color is **6FFFEB**, and **00B27E** is the 20% darker color. If you saturate the color by 10%, you get **00EBB3**, and if you desaturate by 10%, it is **17EBB9**.

Distribution



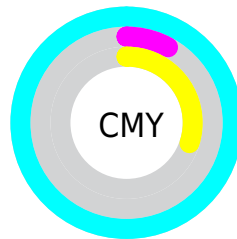
- Red (0%)
- Green (92%)
- Blue (70%)



- Red (0%)
- Yellow (52%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (8%)



- Cyan (100%)
- Magenta (8%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Hex color 00EBB3 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 00EBB3 by changing the saturation by 10% instead.

 00EBB3

 00EBB3

FFFFFF

 00CE98

 6FFFE8

 00B27E

 91FFFF

 009665

 B1FFFF

 007B4D

 D1FFFF

 006136

 F1FFFF

 004821

 00310B

 001400

 000000

 00EBB3

 17EBB9

 2FEBBE

 47EBC4

 5EEBC9

 76EBCF

 8DEBD5

 A4EBDA

 BCEBE0

 D3EBE5

Harmonies

Analogous

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



8FE47D



00EBB3



00EDEF

Triad

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



00EBB3



A8CAFF



FFAE7D

Complementary

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



00EBB3



EB0038

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.



FF9FB1



00EBB3



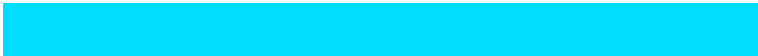
FDB3FF

Square

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



00EBB3



00DDFF



FFA1EC



FFC35C

Rectangle

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



00EBB3



00EBFF



FFA1EC



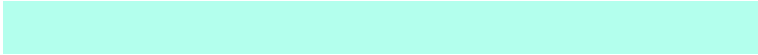
FFA78D

Sweetspot

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



00EBB3



B3FFED



3BEB00



528075



000000



808080

Same Dimension

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



00EBB3



00FFC2



00B0EB



6A7573



00B58A



003629

Inverse Universe

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



EB0038



FF003D



EB3B00



756A6C



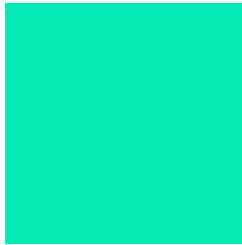
B5002B



36000D

Previews

White Background



This preview shows how the Hex color 00EBB3 looks on a white background.

Color Contrast Check

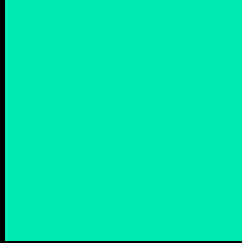
Large Text (above 18pt) WCAG AA × Fail

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 00EBB3 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

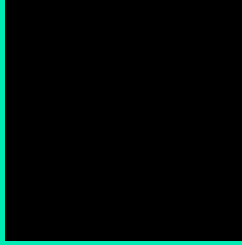
Any Text WCAG AA ✓ Pass

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 00EBB3 Background



This preview shows how black text looks on a background with the Hex color 00EBB3.

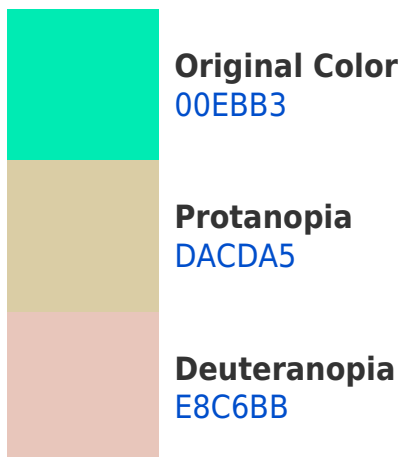


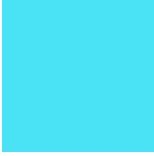
This preview shows how white text looks on a background with the Hex color 00EBB3.

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
4AE2F5

Trichromacy



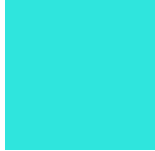
Original Color
00EBB3



Protanomaly
8BD8AA



Deuteranomaly
94D3B8



Tritanomaly
2FE5DD

Monochromacy



Original Color
00EBB3



Achromatopsia
9E9E9E



Achromatomaly
65BAA6

CSS Examples

Text

The CSS property to change the color of the text to Hex 00EBB3 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 #00EBB3 looks like.

```
.text, #text, p{  
    color:#00EBB3  
}
```

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 #00EBB3 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00EBB3
}
```

Border

The CSS property to change the border of an element to Hex 00EBB3 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
#00EBB3 }
```

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

```
.border{ border-color:#00EBB3 }
```

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

Here you see how a box with a 4 pixel #00EBB3 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00EBB3; -webkit-box-shadow:4px 4px  
4px 4px #00EBB3; box-shadow:4px 4px 4px  
4px #00EBB3 }
```

Background

The CSS property to change the background color of an element to Hex 00EBB3 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00EBB3 }
```

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

```
.background{ background-color:#00EBB3 }
```

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