

# Converting Colors

Hex(00E8C8)

Have a look what the booklet for  
Hex(00E8C8) contains.

<b>Hex(00E8C8)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

Hex(00E8C8)

# Conversions

## Conversions Part 1

Format	Color
Hex	00E8C8
RGB	0, 232, 200
RGB Percent	0%, 91%, 78%
CMY	1.0000, 0.0902, 0.2157
CMYK	1.00, 0.00, 0.14, 0.09
HSL	172°, 100%, 45%
HSV	172°, 100%, 91%
XYZ	39.2819, 61.8834, 64.5179
YIQ	158.9840, -128.0000, -59.1360

# Conversions

## Conversions Part 2

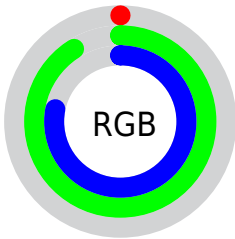
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 125, 232
Decimal	59592
CIELab	82.85, -53.64, 2.45
CIELCh	83, 53.701, 177.387
Yxy	61.8834, 0.2371, 0.3735
Android (android.graphics.Color)	4278249672 (0xFF00E8C8)
YUV	158.9840, 20.2209, -139.4290
Hunter-Lab	78.6660, -48.5313, 6.4395

# Details

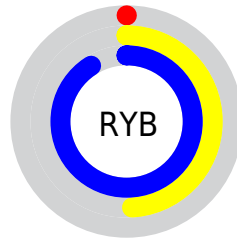
The Hex color **00E8C8** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed cyan. A complement of this color would be **E80020**, and the grayscale version is **9F9F9F**.

A 20% lighter version of the original color is **70FFFF**, and **00AF92** is the 20% darker color. If you saturate the color by 10%, you get **00E8C8**, and if you desaturate by 10%, it is **17E8CB**.

# Distribution



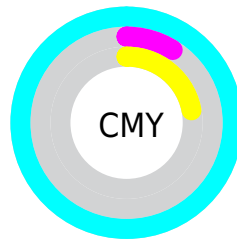
- Red (0%)
- Green (91%)
- Blue (78%)



- Red (0%)
- Yellow (49%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (9%)



- Cyan (100%)
- Magenta (9%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00E8C8 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 00E8C8 by changing the saturation by 10% instead.



 00E8C8

FFFFFF

 70FFFF

 92FFFF

 B2FFFF

 D2FFFF

 F2FFFF

 00E8C8

 00CBAD

 00AF92

 009478

 007960

 005F48

 004632

 00301D

 001204

 000000

 00E8C8

 17E8CB

 2EE8CE

 46E8D2

 5DE8D5

 74E8D8

 8BE8DB

 A2E8DE

 BAE8E2

 D1E8E5

# Harmonies

## Analogous

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



80E396



00E8C8



00E8FB

# Triad

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



00E8C8



CCC3FF



FFB87A

# Complementary

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



00E8C8



E80020

# 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.



FFA9A3



00E8C8



FFB0FF

# Square

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



00E8C8



6FD5FF



FFA5D5



F1CA67

# Rectangle

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



00E8C8



00E4FF



FFA5D5



FFB286



# Sweetspot

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



00E8C8



B3FFF4



23E800



528079



000000



808080



# Same Dimension

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



00E8C8



00FFDC



0097E8



677371



00B39A



00332C



# Inverse Universe

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



E80020



FF0023



E85100



736769



B30019

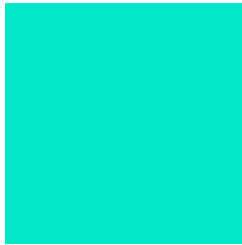


330007



# Previews

## White Background



This preview shows how the Hex color 00E8C8 looks on a white background.

## Color Contrast Check

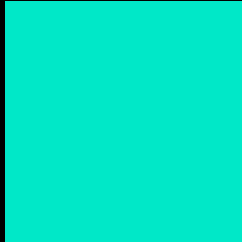
Large Text (above 18pt) WCAG AA × Fail

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 00E8C8 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

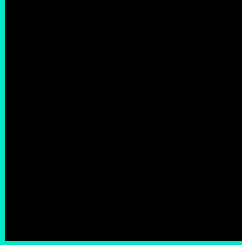
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 00E8C8 Background



This preview shows how black text looks on a background with the Hex color 00E8C8.



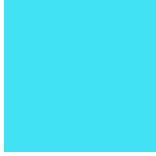
This preview shows how white text looks on a background with the Hex color 00E8C8.

# 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**  
40E2F4

# Trichromacy



**Original Color**  
00E8C8



**Protanomaly**  
88D6BE



**Deuteranomaly**  
8ED2CC

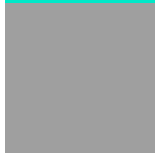


**Tritanomaly**  
29E4E4

# Monochromacy



**Original Color**  
00E8C8



**Achromatopsia**  
9F9F9F



**Achromatomaly**  
65BAAE

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00E8C8 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 #00E8C8 looks like.

```
.text, #text, p{  
    color:#00E8C8  
}
```

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 #00E8C8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00E8C8
}
```

## Border

The CSS property to change the border of an element to Hex 00E8C8 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
#00E8C8 }
```

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

```
.border{ border-color:#00E8C8 }
```

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

Here you see how a box with a 4 pixel #00E8C8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00E8C8; -webkit-box-shadow:4px 4px  
4px 4px #00E8C8; box-shadow:4px 4px 4px  
4px #00E8C8 }
```

# Background

The CSS property to change the background color of an element to Hex 00E8C8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00E8C8 }
```

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

```
.background{ background-color:#00E8C8 }
```

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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