

# Converting Colors

Hex(12EDD3)

Have a look what the booklet for  
Hex(12EDD3) contains.

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# Color

Hex(12EDD3)

# Conversions

## Conversions Part 1

Format	Color
Hex	12EDD3
RGB	18, 237, 211
RGB Percent	7%, 93%, 83%
CMY	0.9294, 0.0706, 0.1725
CMYK	0.92, 0.00, 0.11, 0.07
HSL	173°, 86%, 50%
HSV	173°, 92%, 93%
XYZ	42.2915, 65.4001, 72.0225
YIQ	168.5550, -122.1780, -54.5140

# Conversions

## Conversions Part 2

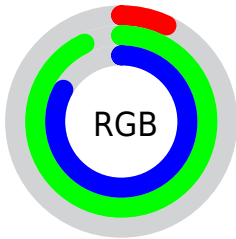
Format	Color
<a href="#">RYB</a>	<a href="#">18, 134, 237</a>
Decimal	<a href="#">1240531</a>
CIELab	<a href="#">84.69, -52.29, -0.66</a>
CIELCh	<a href="#">85, 52.294, 180.721</a>
Yxy	<a href="#">65.4001, 0.2353, 0.3639</a>
Android (android.graphics.Color)	<a href="#">4279430611</a> ( <a href="#">0xFF12EDD3</a> )
YUV	<a href="#">168.5550, 20.9254, -132.0367</a>
Hunter-Lab	<a href="#">80.8703, -48.1757, 3.8060</a>

# Details

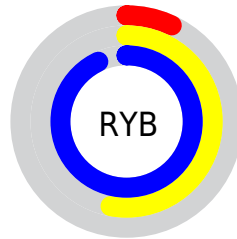
The Hex color **12EDD3** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **ED122C**, and the grayscale version is **A8A8A8**.

A 20% lighter version of the original color is **74FFFF**, and **00B49D** is the 20% darker color. If you saturate the color by 10%, you get **00EDD1**, and if you desaturate by 10%, it is **2AEDD6**.

# Distribution



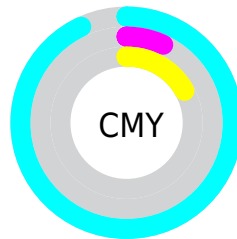
- Red (7%)
- Green (93%)
- Blue (83%)



- Red (7%)
- Yellow (53%)
- Blue (93%)



- Cyan (92%)
- Magenta (0%)
- Yellow (11%)
- Black (7%)



- Cyan (93%)
- Magenta (7%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 12EDD3 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 12EDD3 by changing the saturation by 10% instead.



 12EDD3

 12EDD3

FFFFFF

 00D0B7

 74FFFF

 00B49D

 96FFFF

 009983

 B7FFFF

 007E69

 D7FFFF

 006451

 F7FFFF

 004A3B

 003325

 001911

 000000

■ 12EDD3

■ 12EDD3

■ 00EDD1

■ 2AEDD6

■ 41EDD9

■ 59EDDB

■ 71EDDE

■ 88EDE1

■ A0EDE4

■ B8EDE7

■ D0EDEA

■ E7EDEC

# Harmonies

## Analogous

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



81E9A1



12EDD3



00ECFF

# Triad

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



12EDD3



D9C6FF



FFBF7E

# Complementary

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



12EDD3



ED122C

# 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.



FFB0A4



12EDD3



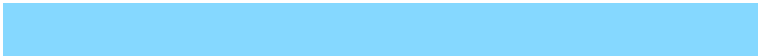
FFB4FF

# Square

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



12EDD3



85D8FF



FFABD4



F1D16F

# Rectangle

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



12EDD3



00E8FF



FFABD4



FFBA89

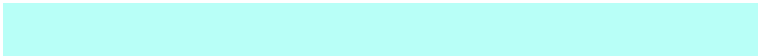


# Sweetspot

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



12EDD3



B8FFF7



2FED12



54807A



000000



808080



# Same Dimension

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



12EDD3



00FFE1



129DED



6A7574



00B5A0



00362F



# Inverse Universe

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



ED122C



FF001E



ED6212



756A6B



B50015

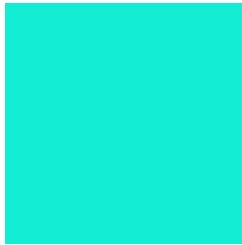


360006



# Previews

## White Background



This preview shows how the Hex color 12EDD3 looks on a white background.

## Color Contrast Check

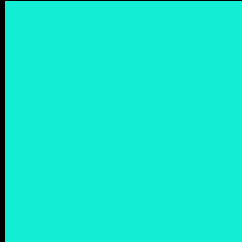
Large Text (above 18pt) WCAG AA × Fail

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 12EDD3 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

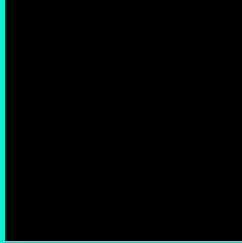
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 12EDD3 Background



This preview shows how black text looks on a background with the Hex color 12EDD3.

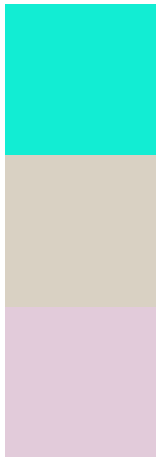


This preview shows how white text looks on a background with the Hex color 12EDD3.

# 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



**Original Color**  
12EED3

**Protanopia**  
D9D1C3

**Deuteranopia**  
E2CBDA

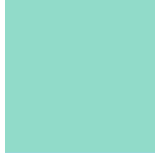


**Tritanopia**  
3FE7FA

# Trichromacy



**Original Color**  
12EDD3



**Protanomaly**  
91DBC9



**Deuteranomaly**  
96D7D7

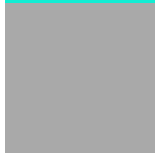


**Tritanomaly**  
2FE9EC

# Monochromacy



**Original Color**  
12EDD3



**Achromatopsia**  
A9A9A9



**Achromatomaly**  
72C2B8

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 12EDD3 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 #12EDD3 looks like.

```
.text, #text, p{  
    color:#12EDD3  
}
```

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 #12EDD3 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12EDD3
}
```

## Border

The CSS property to change the border of an element to Hex 12EDD3 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
#12EDD3 }
```

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

```
.border{ border-color:#12EDD3 }
```

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

Here you see how a box with a 4 pixel #12EDD3 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12EDD3; -webkit-box-shadow:4px 4px  
4px 4px #12EDD3; box-shadow:4px 4px 4px  
4px #12EDD3 }
```

# Background

The CSS property to change the background color of an element to Hex 12EDD3 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12EDD3 }
```

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

```
.background{ background-color:#12EDD3 }
```

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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