

# Converting Colors

Hex(12D0ED)

Have a look what the booklet for  
Hex(12D0ED) contains.

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# **Color**

**Hex(12D0ED)**

# Conversions

## Conversions Part 1

Format	Color
Hex	12D0ED
RGB	18, 208, 237
RGB Percent	7%, 82%, 93%
CMY	0.9294, 0.1843, 0.0706
CMYK	0.92, 0.12, 0.00, 0.07
HSL	188°, 86%, 50%
HSV	188°, 92%, 93%
XYZ	38.0914, 51.3548, 88.0256
YIQ	154.4960, -122.5490, -31.2610

# Conversions

## Conversions Part 2

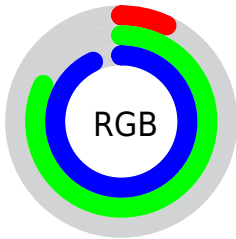
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">18, 120, 237</a>
Decimal	<a href="#">1233133</a>
CIELab	<a href="#">76.89, -31.77, -26.15</a>
CIELCh	<a href="#">77, 41.146, 219.466</a>
Yxy	<a href="#">51.3548, 0.2146, 0.2894</a>
Android (android.graphics.Color)	<a href="#">4279423213 (0xFF12D0ED)</a>
YUV	<a href="#">154.4960, 40.6745, -119.7070</a>
Hunter-Lab	<a href="#">71.6622, -30.5289, -22.6647</a>

# Details

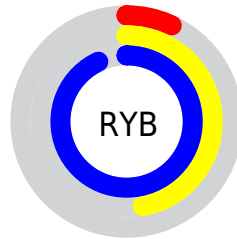
The Hex color **12D0ED** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **ED2F12**, and the grayscale version is **9A9A9A**.

A 20% lighter version of the original color is **73FFFF**, and **0099B5** is the 20% darker color. If you saturate the color by 10%, you get **00CEED**, and if you desaturate by 10%, it is **2AD3ED**.

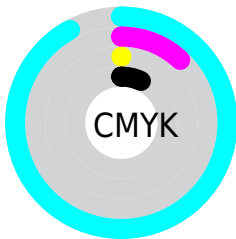
# Distribution



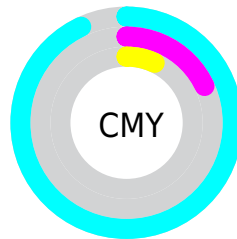
- Red (7%)
- Green (82%)
- Blue (93%)



- Red (7%)
- Yellow (47%)
- Blue (93%)



- Cyan (92%)
- Magenta (12%)
- Yellow (0%)
- Black (7%)



- Cyan (93%)
- Magenta (18%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 12D0ED 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 12D0ED by changing the saturation by 10% instead.



 12D0ED

 12D0ED

FFFFFF

 00B4D1

 73FFFF

 0099B5

 95FFFF

 007F9A

 B5FFFF

 006580

 D5FFFF

 004D67

 F5FFFF

 00354F

 002238

 000222

 000009

■ 12D0ED

■ 12D0ED

■ 00CEED

■ 2AD3ED

■ 41D6ED

■ 59D9ED

■ 71DDED

■ 88E0ED

■ A0E3ED

■ B8E6ED

■ D0E9ED

■ E7ECED

# Harmonies

## Analogous

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



3AD2C9



12D0ED



57C9FF

# Triad

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



12D0ED



F7A4D9



CBBF72

# Complementary

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



12D0ED



ED2F12

# 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.



EDB277



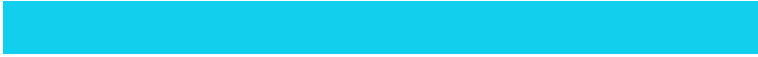
12D0ED



FFA0B3

# Square

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



12D0ED



D2B0F9



FFA68F



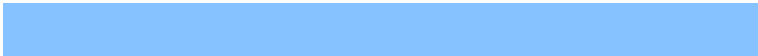
A1CA82

# Rectangle

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



12D0ED



85C2FF



FFA68F



D7BB71



# Sweetspot

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



12D0ED



B8F6FF



12ED2C



547A80



000000



808080

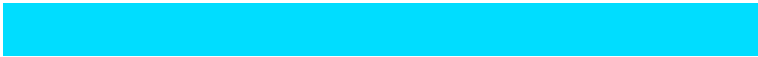


# Same Dimension

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



12D0ED



00DDFF



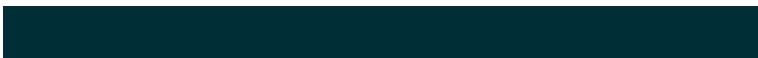
1266ED



6A7475



009DB5



002E36



# Inverse Universe

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



ED12D0



FF00DD



ED9912



756A74



B5009D

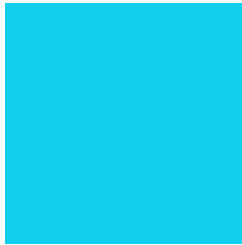


36002E



# Previews

## White Background



This preview shows how the Hex color 12D0ED looks on a white background.

## Color Contrast Check

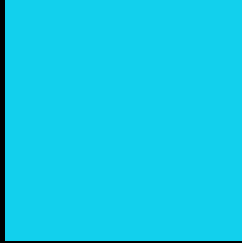
Large Text (above 18pt) WCAG AA × Fail

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 12D0ED 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 12D0ED Background



This preview shows how black text looks on a background with the Hex color 12D0ED.

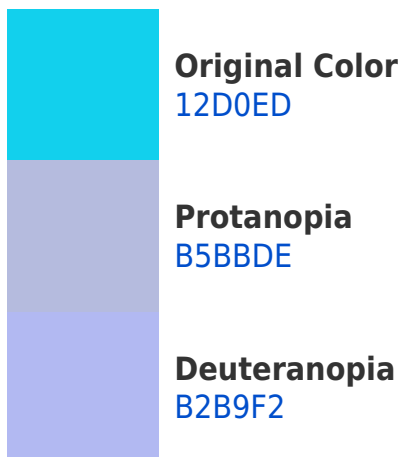


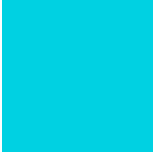
This preview shows how white text looks on a background with the Hex color 12D0ED.

# 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



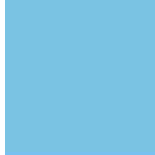


**Tritanopia**  
00D1E2

# Trichromacy



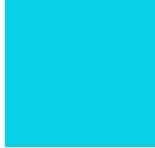
**Original Color**  
12D0ED



**Protanomaly**  
7AC3E3



**Deuteranomaly**  
78C1F0



**Tritanomaly**  
07D1E6

# Monochromacy



**Original Color**  
12D0ED



**Achromatopsia**  
9A9A9A



**Achromatomaly**  
69AEB8

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 12D0ED 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 #12D0ED looks like.

```
.text, #text, p{  
    color:#12D0ED  
}
```

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 #12D0ED colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12D0ED
}
```

## Border

The CSS property to change the border of an element to Hex 12D0ED 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
#12D0ED }
```

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

```
.border{ border-color:#12D0ED }
```

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

Here you see how a box with a 4 pixel #12D0ED colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12D0ED; -webkit-box-shadow:4px 4px  
4px 4px #12D0ED; box-shadow:4px 4px 4px  
4px #12D0ED }
```

# Background

The CSS property to change the background color of an element to Hex 12D0ED is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12D0ED }
```

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

```
.background{ background-color:#12D0ED }
```

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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