

# Converting Colors

Hex(12BEDD)

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

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# Color

**Hex(12BEDD)**

# Conversions

## Conversions Part 1

Format	Color
Hex	12BEDD
RGB	18, 190, 221
RGB Percent	7%, 75%, 87%
CMY	0.9294, 0.2549, 0.1333
CMYK	0.92, 0.14, 0.00, 0.13
HSL	189°, 85%, 47%
HSV	189°, 92%, 87%
XYZ	31.7141, 42.1760, 74.8759
YIQ	142.1060, -112.4630, -26.8230

# Conversions

## Conversions Part 2

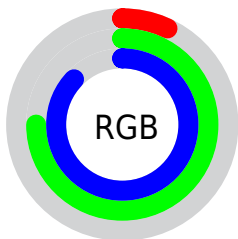
Format	Color
<a href="#">RYB</a>	<a href="#">18, 111, 221</a>
Decimal	<a href="#">1228509</a>
CIELab	<a href="#">70.99, -28.17, -26.55</a>
CIELCh	<a href="#">71, 38.707, 223.300</a>
Yxy	<a href="#">42.1760, 0.2132, 0.2835</a>
Android (android.graphics.Color)	<a href="#">4279418589 (0xFF12BEDD)</a>
YUV	<a href="#">142.1060, 38.8947, -108.8410</a>
Hunter-Lab	<a href="#">64.9430, -26.4822, -22.8981</a>

# Details

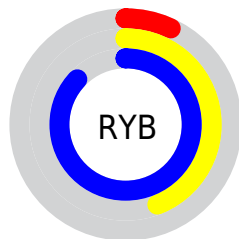
The Hex color **12BEDD** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **DD3112**, and the grayscale version is **8E8E8E**.

A 20% lighter version of the original color is **6EF7FF**, and **0088A6** is the 20% darker color. If you saturate the color by 10%, you get **00BBDD**, and if you desaturate by 10%, it is **28C1DD**.

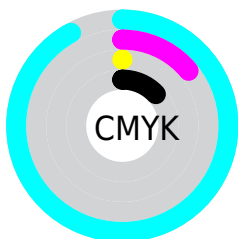
# Distribution



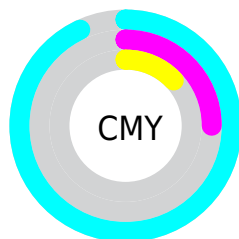
- Red (7%)
- Green (75%)
- Blue (87%)



- Red (7%)
- Yellow (44%)
- Blue (87%)



- Cyan (92%)
- Magenta (14%)
- Yellow (0%)
- Black (13%)



- Cyan (93%)
- Magenta (25%)
- Yellow (13%)

# Brightness & Saturation Gradients

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



 12BEDD

 12BEDD

FFFFFF

 00A3C1

 6EF7FF

 0088A6

 8FFFFFF

 006F8B

 AFFFFFF

 005672

 CEFFFF

 003E59

 EDFFFF

 002842

 000A2C

 000116

 000000

■ 12BEDD

■ 12BEDD

■ 00BBDD

■ 28C1DD

■ 3EC5DD

■ 54C8DD

■ 6ACBDD

■ 81CFDD

■ 97D2DD

■ ADD6DD

■ C3D9DD

■ D9DCDD

# Harmonies

## Analogous

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



2CC1BD



12BEDD



57B7F1

# Triad

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



12BEDD



E695C3



B5B168

# Complementary

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



12BEDD



DD3112

# 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.



D6A56A



12BEDD



F3929F

# Square

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



12BEDD



C69FE1



EC997F



8EBA79

# Rectangle

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



12BEDD



81B0F4



EC997F



C1AD67

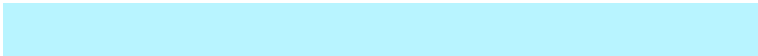


# Sweetspot

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



12BEDD



B8F4FF



12DD30



547980



000000



808080

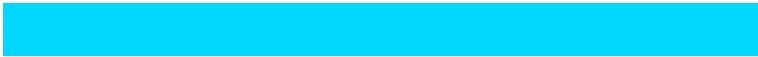


# Same Dimension

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



12BEDD



00D8FF



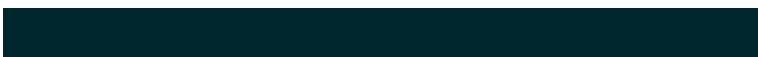
1259DD



636C6E



0093AD



00272E



# Inverse Universe

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



DD12BE



FF00D8



DD9612



6E636C



AD0093

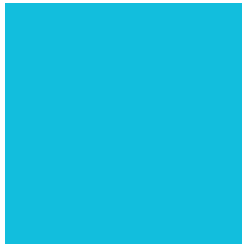


2E0027



# Previews

## White Background



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

## Color Contrast Check

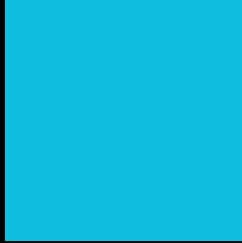
Large Text (above 18pt) WCAG AA × Fail

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 12BEDD looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

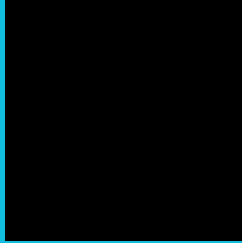
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 12BEDD Background



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

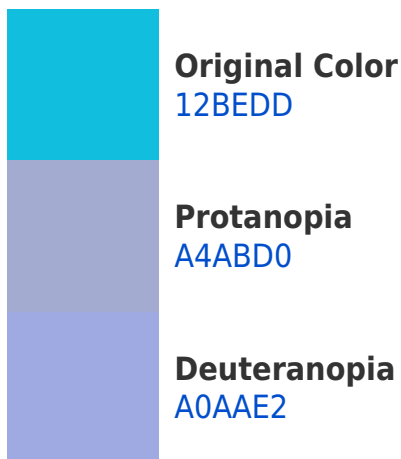


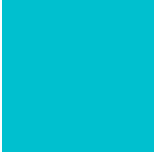
This preview shows how white text looks on a background with the Hex color 12BEDD.

# 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**  
00C0CF

# Trichromacy



**Original Color**  
12BEDD



**Protanomaly**  
6FB2D5



**Deuteranomaly**  
6CB1E0



**Tritanomaly**  
07BFD4

# Monochromacy



**Original Color**  
12BEDD



**Achromatopsia**  
8E8E8E



**Achromatomaly**  
619FAB

# CSS Examples

## Text

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

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

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 #12BEDD colored shadow looks like.

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

## Border

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

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

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

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

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

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

# Background

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

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

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

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

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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