

# Converting Colors

Hex(12CDF5)

Have a look what the booklet for  
Hex(12CDF5) contains.

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# Color

Hex(12CDF5)

# Conversions

## Conversions Part 1

Format	Color
Hex	12CDF5
RGB	18, 205, 245
RGB Percent	7%, 80%, 96%
CMY	0.9294, 0.1961, 0.0392
CMYK	0.93, 0.16, 0.00, 0.04
HSL	191°, 92%, 52%
HSV	191°, 93%, 96%
XYZ	38.5622, 50.3838, 94.0788
YIQ	153.6470, -124.2920, -27.2040

# Conversions

## Conversions Part 2

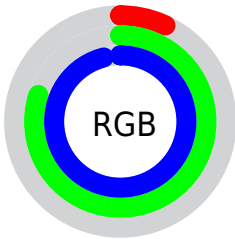
Format	Color
<a href="#">RYB</a>	18, 121, 245
Decimal	1232373
CIELab	76.30, -27.71, -31.35
CIELCh	76, 41.840, 228.520
Yxy	50.3838, 0.2107, 0.2753
Android (android.graphics.Color)	4279422453 (0xFF12CDF5)
YUV	153.6470, 45.0370, -118.9624
Hunter-Lab	70.9816, -27.2439, -28.8958

# Details

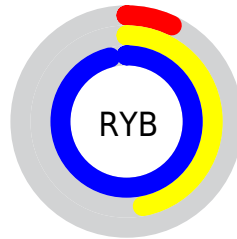
The Hex color **12CDF5** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **F53A12**, and the grayscale version is **999999**.

A 20% lighter version of the original color is **74FFFF**, and **0096BD** is the 20% darker color. If you saturate the color by 10%, you get **00CAF5**, and if you desaturate by 10%, it is **2BD1F5**.

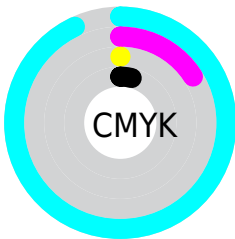
# Distribution



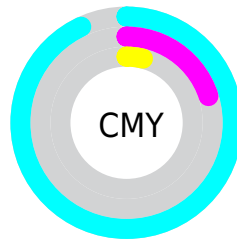
- Red (7%)
- Green (80%)
- Blue (96%)



- Red (7%)
- Yellow (47%)
- Blue (96%)



- Cyan (93%)
- Magenta (16%)
- Yellow (0%)
- Black (4%)



- Cyan (93%)
- Magenta (20%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 12CDF5 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 12CDF5 by changing the saturation by 10% instead.



 12CDF5

FFFFFF

 74FFFF

 96FFFF

 B6FFFF

 D6FFFF

 F6FFFF

 12CDF5

 00B1D8

 0096BD

 007CA1

 006387

 004B6E

 003455

 00213E

 000328

 000111

■ 12CDF5

■ 12CDF5

■ 00CAF5

■ 2BD1F5

■ 43D6F5

■ 5CDAF5

■ 74DEF5

■ 8DE3F5

■ A5E7F5

■ BEEBF5

■ D6F0F5

■ EFF4F5

# Harmonies

## Analogous

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



19D1D3



12CDF5



68C4FF

# Triad

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



12CDF5



FE9FCD



BDC171

# Complementary

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



12CDF5



F53A12

# 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.



E3B570



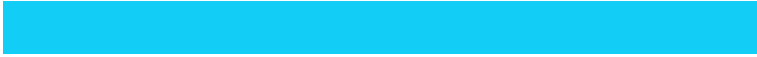
12CDF5



FF9FA6

# Square

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



12CDF5



DEAAF0



FDA884



91CB88

# Rectangle

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



12CDF5



96BCFF



FDA884



CBBD6F

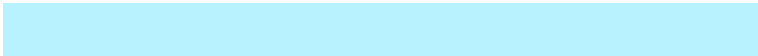


# Sweetspot

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



12CDF5



B8F2FF



12F538



547880



000000



808080

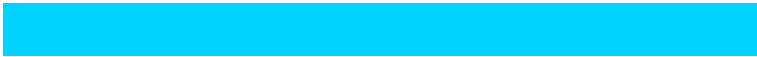


# Same Dimension

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



12CDF5



00D2FF



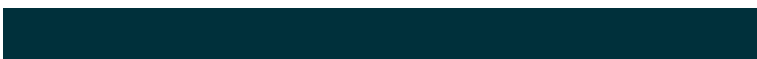
125EF5



6E787A



0099BA



00303B



# Inverse Universe

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



F512CD



FF00D2



F5A912



7A6E78



BA0099

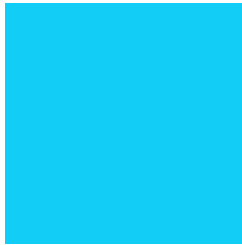


3B0030



# Previews

## White Background



This preview shows how the Hex color 12CDF5 looks on a white background.

## Color Contrast Check

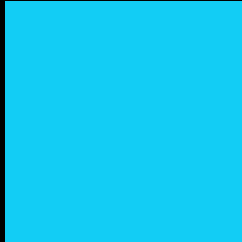
Large Text (above 18pt) WCAG AA × Fail

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 12CDF5 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

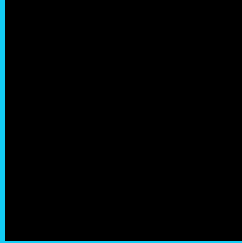
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 12CDF5 Background



This preview shows how black text looks on a background with the Hex color 12CDF5.

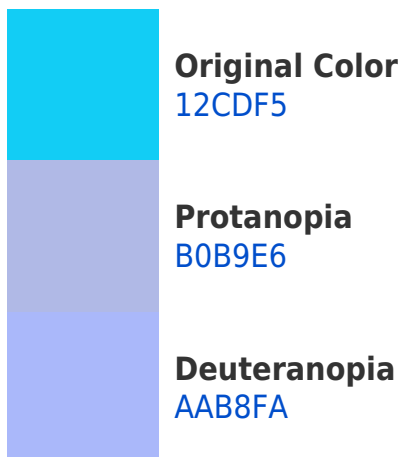


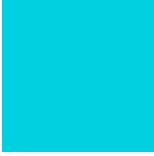
This preview shows how white text looks on a background with the Hex color 12CDF5.

# 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**  
00D0E0

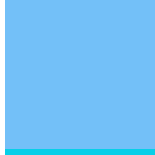
# Trichromacy



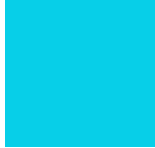
**Original Color**  
12CDF5



**Protanomaly**  
77C0EB



**Deuteranomaly**  
73C0F8



**Tritanomaly**  
07CFE8

# Monochromacy



**Original Color**  
12CDF5



**Achromatopsia**  
9A9A9A



**Achromatomaly**  
69ADBB

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 12CDF5 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 #12CDF5 looks like.

```
.text, #text, p{  
    color:#12CDF5  
}
```

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 #12CDF5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12CDF5
}
```

## Border

The CSS property to change the border of an element to Hex 12CDF5 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
#12CDF5 }
```

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

```
.border{ border-color:#12CDF5 }
```

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

Here you see how a box with a 4 pixel #12CDF5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12CDF5; -webkit-box-shadow:4px 4px  
4px 4px #12CDF5; box-shadow:4px 4px 4px  
4px #12CDF5 }
```

# Background

The CSS property to change the background color of an element to Hex 12CDF5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12CDF5 }
```

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

```
.background{ background-color:#12CDF5 }
```

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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