

Converting Colors

Hex(012CEC)

Have a look what the booklet for
Hex(012CEC) contains.

Hex(012CEC)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(012CEC)

Conversions

Conversions Part 1

Format	Color
Hex	012CEC
RGB	1, 44, 236
RGB Percent	0%, 17%, 93%
CMY	0.9961, 0.8275, 0.0745
CMYK	1.00, 0.81, 0.00, 0.07
HSL	229°, 99%, 46%
HSV	229°, 100%, 93%
XYZ	16.0535, 7.8639, 80.0287
YIQ	53.0310, -87.2600, 50.5960

Conversions

Conversions Part 2

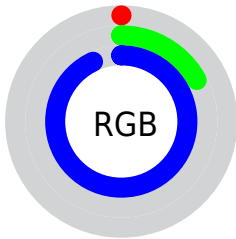
Format	Color
RYB	1, 37, 236
Decimal	77036
CIELab	33.70, 62.17, -94.81
CIElCh	34, 113.372, 303.255
Yxy	7.8639, 0.1544, 0.0757
Android (android.graphics.Color)	4278267116 (0xFF012CEC)
YUV	53.0310, 90.2037, -45.6312
Hunter-Lab	28.0427, 53.1105, -149.5726

Details

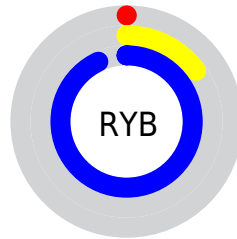
The Hex color **012CEC** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark washed blue. A complement of this color would be **ECC101**, and the grayscale version is **343434**.

A 20% lighter version of the original color is **725EFF**, and **0000B2** is the 20% darker color. If you saturate the color by 10%, you get **002BEC**, and if you desaturate by 10%, it is **193FEC**.

Distribution



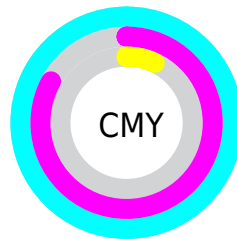
- Red (0%)
- Green (17%)
- Blue (93%)



- Red (0%)
- Yellow (15%)
- Blue (93%)



- Cyan (100%)
- Magenta (81%)
- Yellow (0%)
- Black (7%)





- Cyan (100%)
- Magenta (83%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Hex color 012CEC 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 012CEC by changing the saturation by 10% instead.

 012CEC

 012CEC

FFFFFF

 0012CF

 725EFF

 0000B2

 9478FF

 000097

 B592FF

 00007C

 D6AEFF

 000F61

 F6CAFF

 000949

 FFE6FF

 000431

 00011B

 000000

■ 012CEC

■ 012CEC

■ 002BEC

■ 193FEC

■ 3053EC

■ 4866EC

■ 5F79EC

■ 778CEC

■ 8FA0EC

■ A6B3EC

■ BEC6EC

■ D5DAEC

Harmonies

Analogous

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



005EFF



012CEC



B800A3

Triad

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



012CEC



9D1A00



006A58

Complementary

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



012CEC



ECC101

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.



006800



012CEC



595100

Square

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



012CEC



CC0000



006200



006DB3

Rectangle

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



012CEC



D60068



006200



006938

Sweetspot

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



012CEC



B3C0FF



01ECC1



525A80



000000



808080

Same Dimension

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



012CEC



002FFF



4B01EC



6A6C75



0021B5



000A36

Inverse Universe

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



EC012C



FF002F



A2EC01



756A6C



B50021



36000A

Previews

White Background



This preview shows how the Hex color 012CEC looks on a white background.

Color Contrast Check

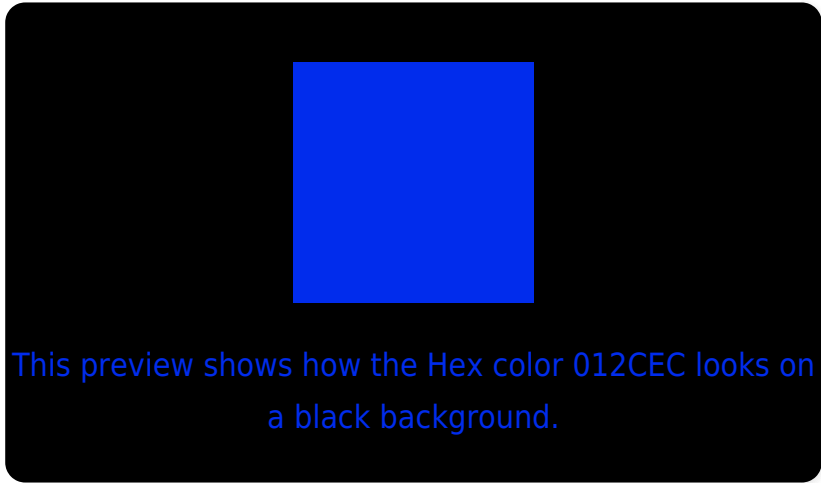
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

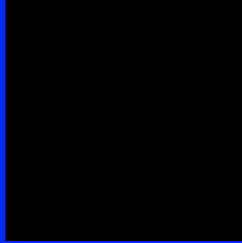
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Hex 012CEC Background



This preview shows how black text looks on a background with the Hex color 012CEC.

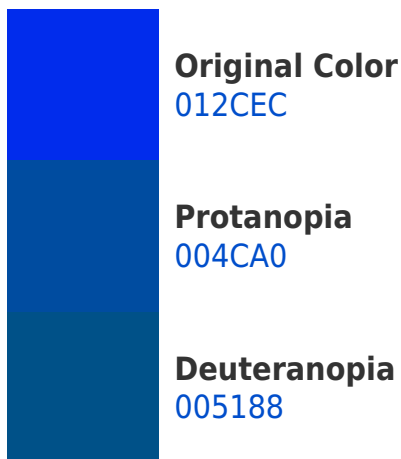


This preview shows how white text looks on a background with the Hex color 012CEC.

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



Trichromacy



Original Color
012CEC

Protanomaly
0040BC

Deuteranomaly
0044AC

Tritanomaly
004890

Monochromacy



Original Color
012CEC

Achromatopsia
353535

Achromatomaly
223278

CSS Examples

Text

The CSS property to change the color of the text to Hex 012CEC 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 #012CEC looks like.

```
.text, #text, p{  
    color:#012CEC  
}
```

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 #012CEC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #012CEC
}
```

Border

The CSS property to change the border of an element to Hex 012CEC 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
#012CEC }
```

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

```
.border{ border-color:#012CEC }
```

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

Here you see how a box with a 4 pixel #012CEC colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #012CEC; -webkit-box-shadow:4px 4px  
4px 4px #012CEC; box-shadow:4px 4px 4px  
4px #012CEC }
```

Background

The CSS property to change the background color of an element to Hex 012CEC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#012CEC }
```

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

```
.background{ background-color:#012CEC }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor