

# Converting Colors

Hex(02DDFF)

Have a look what the booklet for  
Hex(02DDFF) contains.

<b>Hex(02DDFF)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(02DDFF)**

# Conversions

## Conversions Part 1

Format	Color
Hex	02DDFF
RGB	2, 221, 255
RGB Percent	1%, 87%, 100%
CMY	0.9922, 0.1333, 0.0000
CMYK	0.99, 0.13, 0.00, 0.00
HSL	188°, 100%, 50%
HSV	188°, 99%, 100%
XYZ	43.9315, 58.9458, 103.6700
YIQ	159.3950, -141.4380, -35.8540

# Conversions

## Conversions Part 2

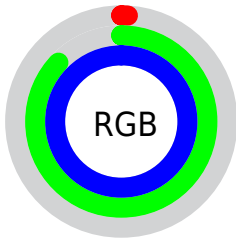
Format	Color
<a href="#">RYB</a>	2, 119, 255
Decimal	187903
CIELab	81.26, -32.64, -29.06
CIELCh	81, 43.706, 221.680
Yxy	58.9458, 0.2127, 0.2854
Android (android.graphics.Color)	4278377983 (0xFF02DDFF)
YUV	159.3950, 47.1333, -138.0354
Hunter-Lab	76.7762, -32.2202, -26.3153

# Details

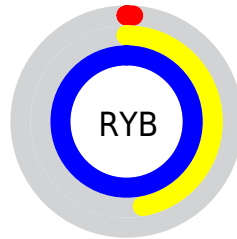
The Hex color **02DDFF** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **FF2402**, and the grayscale version is **9F9F9F**.

A 20% lighter version of the original color is **75FFFF**, and **00A5C6** is the 20% darker color. If you saturate the color by 10%, you get **00DDFF**, and if you desaturate by 10%, it is **1BE0FF**.

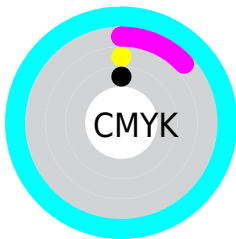
# Distribution



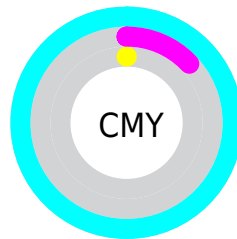
- Red (1%)
- Green (87%)
- Blue (100%)



- Red (1%)
- Yellow (47%)
- Blue (100%)



- Cyan (99%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (99%)
- Magenta (13%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 02DDFF 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 02DDFF by changing the saturation by 10% instead.



 02DDFF

 02DDFF

FFFFFF

 00C1E2

 75FFFF

 00A5C6

 98FFFF

 008BAB

 B9FFFF

 007190

 D9FFFF

 005876

 FAFFFF

 00405E

 002A46

 000C30

 00011A

 02DDFF

 02DDFF

 00DDFF

 1BE0FF

 35E4FF

 4FE7FF

 68EBFF

 82EEFF

 9BF2FF

 B4F5FF

 CEF8FF

 E8FCFF

# Harmonies

## Analogous

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



34E0D9



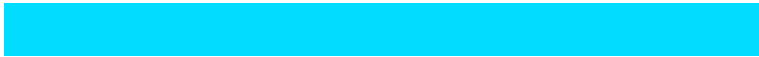
02DDFF



5FD5FF

# Triad

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



02DDFF



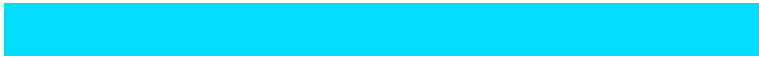
FFAEE5



D5CD78

# Complementary

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



02DDFF



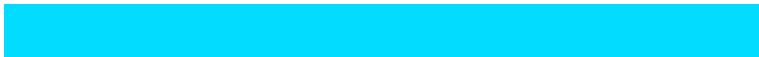
FF2402

# 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.



FABF7C



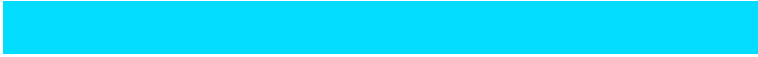
02DDFF



FFAABB

# Square

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



02DDFF



E3B9FF



FFB195



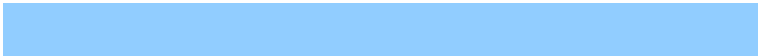
A8D78B

# Rectangle

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



02DDFF



91CDFE



FFB195

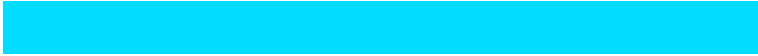


E2C877



# Sweetspot

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



02DDFF



B3F5FF



02FF24



527980



000000

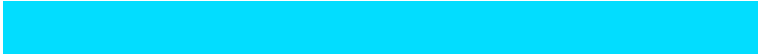


808080



# Same Dimension

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



02DDFF



00DDFF



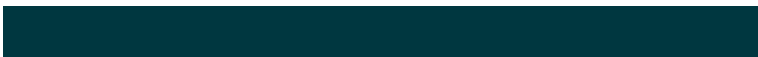
025FFF



737E80



00A6BF



003740



# Inverse Universe

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



FF02DD



FF00DD



FFA202



80737E



BF00A6

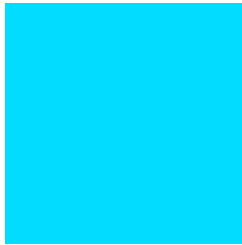


400037



# Previews

## White Background



This preview shows how the Hex color 02DDFF looks on a white background.

## Color Contrast Check

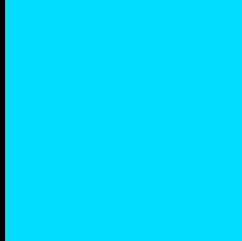
Large Text (above 18pt) WCAG AA × Fail

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 02DDFF 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 02DDFF Background



This preview shows how black text looks on a background with the Hex color 02DDFF.

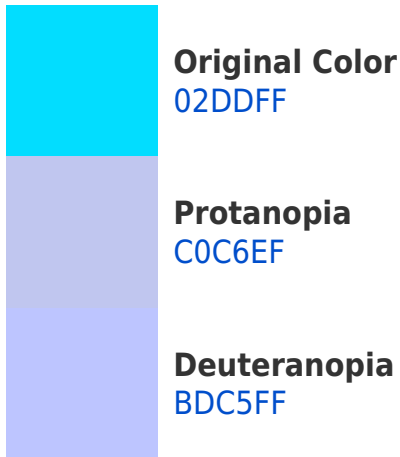


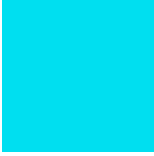
This preview shows how white text looks on a background with the Hex color 02DDFF.

# 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**  
00DFF0

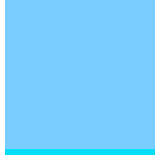
# Trichromacy



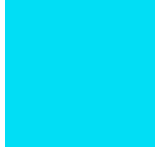
**Original Color**  
02DDFF



**Protanomaly**  
7BCEF5



**Deuteranomaly**  
79CEFF



**Tritanomaly**  
01DEF5

# Monochromacy



**Original Color**  
02DDFF



**Achromatopsia**  
9F9F9F



**Achromatomaly**  
66B6C2

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 02DDFF 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 #02DDFF looks like.

```
.text, #text, p{  
    color:#02DDFF  
}
```

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 #02DDFF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #02DDFF
}
```

## Border

The CSS property to change the border of an element to Hex 02DDFF 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
#02DDFF }
```

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

```
.border{ border-color:#02DDFF }
```

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

Here you see how a box with a 4 pixel #02DDFF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #02DDFF; -webkit-box-shadow:4px 4px  
4px 4px #02DDFF; box-shadow:4px 4px 4px  
4px #02DDFF }
```

# Background

The CSS property to change the background color of an element to Hex 02DDFF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#02DDFF }
```

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

```
.background{ background-color:#02DDFF }
```

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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