

# Converting Colors

Hex(0BD AFF)

Have a look what the booklet for  
Hex(0BDAFF) contains.

|  |    |
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# **Color**

**Hex(0BD AFF)**

# Conversions

## Conversions Part 1

| Format      | Color                         |
|-------------|-------------------------------|
| Hex         | 0BDAFF                        |
| RGB         | 11, 218, 255                  |
| RGB Percent | 4%, 85%, 100%                 |
| CMY         | 0.9569, 0.1451, 0.0000        |
| CMYK        | 0.96, 0.15, 0.00, 0.00        |
| HSL         | 189°, 100%, 52%               |
| HSV         | 189°, 96%, 100%               |
| XYZ         | 43.2594, 57.4340, 103.4136    |
| YIQ         | 160.3250, -135.2490, -32.3770 |

# Conversions

## Conversions Part 2

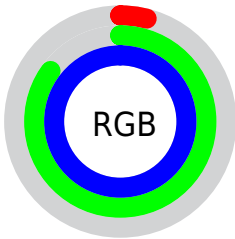
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">11, 123, 255</a>                                 |
| Decimal                             | <a href="#">776959</a>                                       |
| CIELab                              | <a href="#">80.42, -31.01, -30.35</a>                        |
| CIELCh                              | <a href="#">80, 43.388, 224.381</a>                          |
| Yxy                                 | <a href="#">57.4340, 0.2119, 0.2814</a>                      |
| Android<br>(android.graphics.Color) | <a href="#">4278967039</a><br>( <a href="#">0xFF0BDAFF</a> ) |
| YUV                                 | <a href="#">160.3250, 46.6748, -130.9580</a>                 |
| Hunter-Lab                          | <a href="#">75.7852, -30.7334, -27.8552</a>                  |

# Details

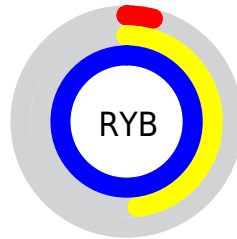
The Hex color **0BDAFF** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **FF300B**, and the grayscale version is **A0A0A0**.

A 20% lighter version of the original color is **76FFFF**, and **00A3C6** is the 20% darker color. If you saturate the color by 10%, you get **00D8FF**, and if you desaturate by 10%, it is **24DEFF**.

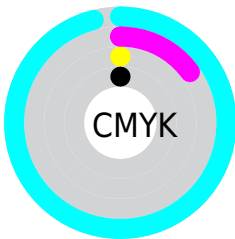
# Distribution



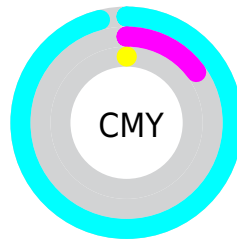
- Red (4%)
- Green (85%)
- Blue (100%)



- Red (4%)
- Yellow (48%)
- Blue (100%)



- Cyan (96%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (96%)
- Magenta (15%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0BD AFF 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 0BD AFF by changing the saturation by 10% instead.



 0BDAFF

 0BDAFF

FFFFFF

 00BEE2

 76FFFF

 00A3C6

 98FFFF

 0088AB

 B9FFFF

 006E90

 DAFFFF

 005676

 FAFFFF

 003E5E

 002846

 00072F

 00011A

 0BDAFF

 0BDAFF

 00D8FF

 24DEFF

 3EE2FF

 58E6FF

 71E9FF

 8BEDFF

 A4F1FF

 BEF5FF

 D7F9FF

 F1FDFF

# Harmonies

## Analogous

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



2CDDDA



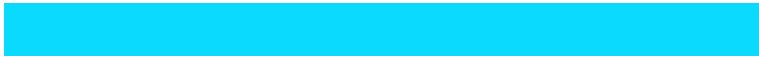
0BDAFF



65D2FF

# Triad

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



0BDAFF



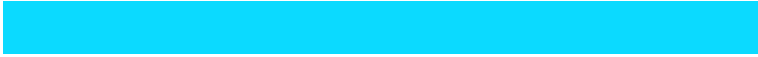
FFAADE



CFCB78

# Complementary

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



0BDAFF



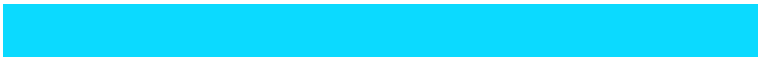
FF300B

# 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.



F4BE7A



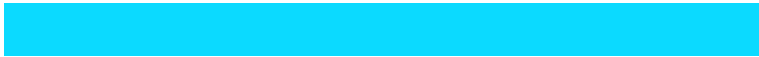
0BDAFF



FFA8B5

# Square

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



0BDAFF



E5B6FF



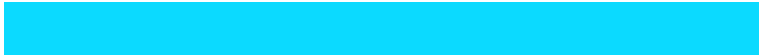
FFB091



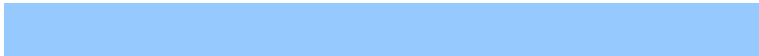
A1D68C

# Rectangle

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



0BDAFF



96CAFF



FFB091

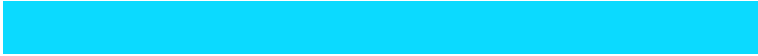


DCC776



# Sweetspot

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



0BDAFF



B5F4FF



0BFF30



537980



000000

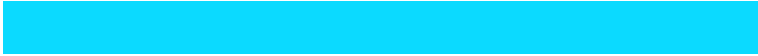


808080



# Same Dimension

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



0BDAFF



00D8FF



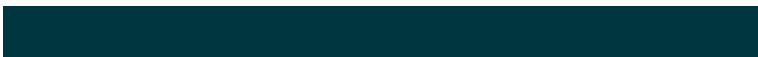
0B60FF



737E80



00A2BF



003640



# Inverse Universe

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



FF0BDA



FF00D8



FFAA0B



80737E



BF00A2

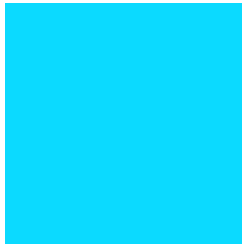


400036



# Previews

## White Background



This preview shows how the Hex color 0BDAFF looks on a white background.

## Color Contrast Check

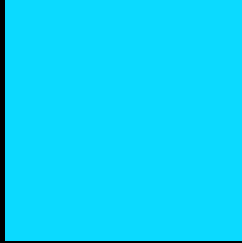
Large Text (above 18pt) WCAG AA × Fail

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 0BDAFF 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 0BDAFF Background



This preview shows how black text looks on a background with the Hex color 0BDAFF.

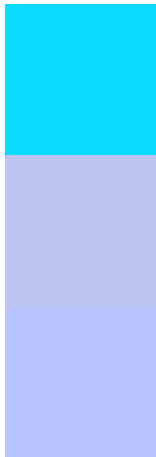


This preview shows how white text looks on a background with the Hex color 0BDAFF.

# 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](#).

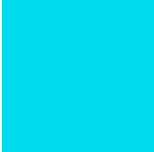
## Dichromacy



**Original Color**  
0BD AFF

**Protanopia**  
BCC4EF

**Deuteranopia**  
B9C3FF



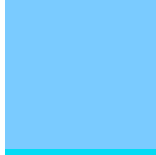
# Trichromacy



**Original Color**  
0BDAFF



**Protanomaly**  
7CCCF5



**Deuteranomaly**  
7ACBFF

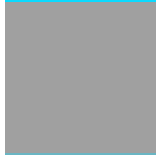


**Tritanomaly**  
04DBF4

# Monochromacy



**Original Color**  
0BDAFF



**Achromatopsia**  
A0A0A0



**Achromatomaly**  
6AB5C3

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0BD AFF 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 #0BD AFF looks like.

```
.text, #text, p{  
    color:#0BD AFF  
}
```

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 #0BDAFF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0BDAFF
}
```

## Border

The CSS property to change the border of an element to Hex 0BDAFF 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
#0BDAFF }
```

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

```
.border{ border-color:#0BDAFF }
```

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

Here you see how a box with a 4 pixel #0BDAFF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0BDAFF; -webkit-box-shadow:4px 4px  
4px 4px #0BDAFF; box-shadow:4px 4px 4px  
4px #0BDAFF }
```

# Background

The CSS property to change the background color of an element to Hex 0BDAFF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0BDAFF }
```

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

```
.background{ background-color:#0BDAFF }
```

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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