

# Converting Colors

Hex(0AB6DF)

Have a look what the booklet for  
Hex(0AB6DF) contains.

<b>Hex(0AB6DF)</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(0AB6DF)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0AB6DF
RGB	10, 182, 223
RGB Percent	4%, 71%, 87%
CMY	0.9608, 0.2863, 0.1255
CMYK	0.96, 0.18, 0.00, 0.13
HSL	192°, 91%, 46%
HSV	192°, 96%, 87%
XYZ	30.1724, 38.8481, 75.7202
YIQ	135.2460, -115.6730, -23.7130

# Conversions

## Conversions Part 2

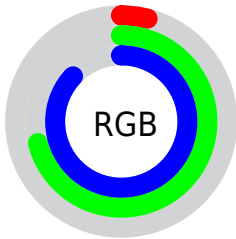
<b>Format</b>	<b>Color</b>
<b>RYB</b>	10, 105, 223
Decimal	702175
CIELab	68.64, -23.75, -31.26
CIELCh	69, 39.258, 232.775
Yxy	38.8481, 0.2085, 0.2684
Android (android.graphics.Color)	4278892255 (0xFF0AB6DF)
YUV	135.2460, 43.2627, -109.8407
Hunter-Lab	62.3283, -22.6647, -28.3993

# Details

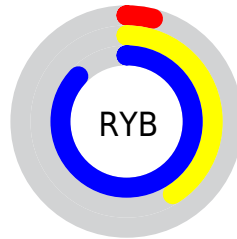
The Hex color **0AB6DF** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **DF330A**, and the grayscale version is **878787**.

A 20% lighter version of the original color is **6CEEFF**, and **0081A8** is the 20% darker color. If you saturate the color by 10%, you get **00B4DF**, and if you desaturate by 10%, it is **20BADF**.

# Distribution



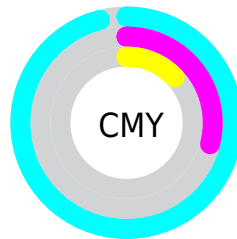
- Red (4%)
- Green (71%)
- Blue (87%)



- Red (4%)
- Yellow (41%)
- Blue (87%)



- Cyan (96%)
- Magenta (18%)
- Yellow (0%)
- Black (13%)



- Cyan (96%)
- Magenta (29%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0AB6DF 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 0AB6DF by changing the saturation by 10% instead.



 0AB6DF

 0AB6DF

FFFFFF

 009BC3

 6CEEFF

 0081A8

 8DFFFF

 00688D

 ADFFFF

 004F73


 CCFFFF

 00385B

 EBFFFF

 002343

 00032D

 000117

 000000

■ 0AB6DF

■ 0AB6DF

■ 00B4DF

■ 20BADF

■ 37BFDF

■ 4DC3DF

■ 63C7DF

■ 7ACBDF

■ 90D0DF

■ A6D4DF

■ BCD8DF

■ D3DDDF

# Harmonies

## Analogous

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



00BAC2



0AB6DF



62AEED

# Triad

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



0AB6DF



E68CB2



A3AE65

# Complementary

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



0AB6DF



DF330A

# 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.



C6A261



0AB6DF



EC8D8E

# Square

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



0AB6DF



CC95D3



E09670



7AB67B

# Rectangle

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



0AB6DF



8CA6EC



E09670



AFAA61

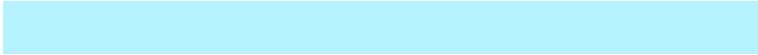


# Sweetspot

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



0AB6DF



B5F1FF



0ADF31



537780



000000



808080

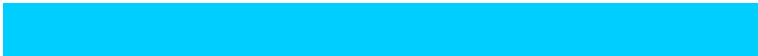


# Same Dimension

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



0AB6DF



00CEFF



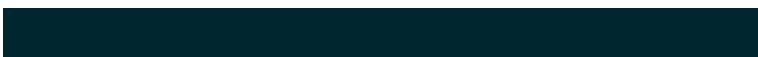
0A4DDF



656E70



008EB0



002730



# Inverse Universe

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



DF0AB6



FF00CE



DF9C0A



70656E



B0008E

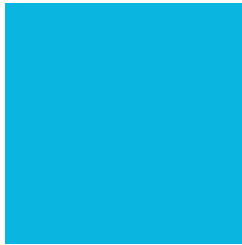


300027



# Previews

## White Background



This preview shows how the Hex color 0AB6DF looks on a white background.

## Color Contrast Check

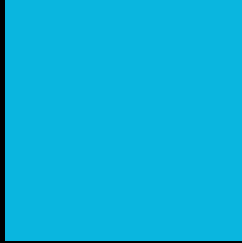
Large Text (above 18pt) WCAG AA × Fail

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 0AB6DF 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 0AB6DF Background



This preview shows how black text looks on a background with the Hex color 0AB6DF.

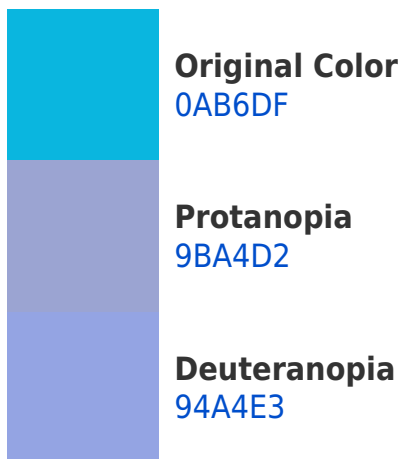


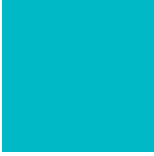
This preview shows how white text looks on a background with the Hex color 0AB6DF.

# 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**  
00B9C7

# Trichromacy



**Original Color**  
0AB6DF



**Protanomaly**  
66ABD7



**Deuteranomaly**  
62ABE2



**Tritanomaly**  
04B8D0

# Monochromacy



**Original Color**  
0AB6DF



**Achromatopsia**  
878787



**Achromatomaly**  
5A98A7

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0AB6DF 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 #0AB6DF looks like.

```
.text, #text, p{  
    color:#0AB6DF  
}
```

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 #0AB6DF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0AB6DF
}
```

## Border

The CSS property to change the border of an element to Hex 0AB6DF 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
#0AB6DF }
```

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

```
.border{ border-color:#0AB6DF }
```

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

Here you see how a box with a 4 pixel #0AB6DF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0AB6DF; -webkit-box-shadow:4px 4px  
4px 4px #0AB6DF; box-shadow:4px 4px 4px  
4px #0AB6DF }
```

# Background

The CSS property to change the background color of an element to Hex 0AB6DF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0AB6DF }
```

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

```
.background{ background-color:#0AB6DF }
```

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