

# Converting Colors

Hex(00AEDF)

Have a look what the booklet for  
Hex(00AEDF) contains.

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# **Color**

**Hex(00AEDF)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00AEDF
RGB	0, 174, 223
RGB Percent	0%, 68%, 87%
CMY	1.0000, 0.3176, 0.1255
CMYK	1.00, 0.22, 0.00, 0.13
HSL	193°, 100%, 44%
HSV	193°, 100%, 87%
XYZ	28.4553, 35.5998, 75.1837
YIQ	127.5600, -119.4330, -21.6490

# Conversions

## Conversions Part 2

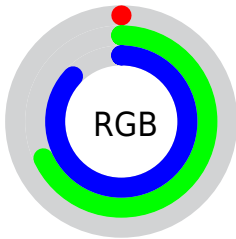
Format	Color
<a href="#">RYB</a>	<a href="#">0, 98, 223</a>
Decimal	<a href="#">44767</a>
CIELab	<a href="#">66.21, -19.88, -35.03</a>
CIElCh	<a href="#">66, 40.276, 240.422</a>
Yxy	<a href="#">35.5998, 0.2044, 0.2557</a>
Android (android.graphics.Color)	<a href="#">4278234847 (0xFF00AEDF)</a>
YUV	<a href="#">127.5600, 47.0519, -111.8701</a>
Hunter-Lab	<a href="#">59.6656, -19.2857, -32.9446</a>

# Details

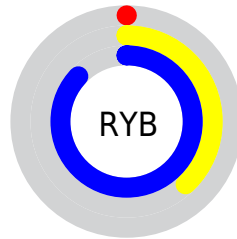
The Hex color **00AEDF** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **DF3100**, and the grayscale version is **7F7F7F**.

A 20% lighter version of the original color is **6AE6FF**, and **0079A8** is the 20% darker color. If you saturate the color by 10%, you get **00AEDF**, and if you desaturate by 10%, it is **16B3DF**.

# Distribution



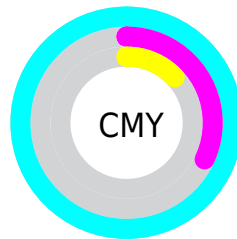
- Red (0%)
- Green (68%)
- Blue (87%)



- Red (0%)
- Yellow (38%)
- Blue (87%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (32%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00AEDF 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 00AEDF by changing the saturation by 10% instead.



00AEDF

00AEDF

FFFFFF

0093C3

6AE6FF

0079A8

8BFFFF

00618D

ABFFFF

004973

CAFFFF

00325A

E9FFFF

001F43

00032C

000117

000000

 00AEDF

 16B3DF

 2DB8DF

 43BDDF

 59C2DF

 70C7DF

 86CBDF

 9CD0DF

 B2D5DF

 C9DADF

# Harmonies

## Analogous

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



00B3C4



00AEDF



6AA4E9

# Triad

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



00AEDF



E484A2



92AA61

# Complementary

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



00AEDF



DF3100

# 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.



B79F58



00AEDF



E5877E

# Square

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



00AEDF



CF8BC5



D59263



66B17C

# Rectangle

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



00AEDF



939CE5



D59263



9FA65C

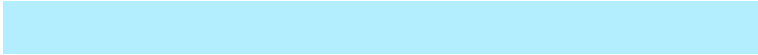


# Sweetspot

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



00AEDF



B3EEFF



00DF30



527580



000000



808080

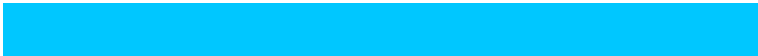


# Same Dimension

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



00AEDF



00C7FF



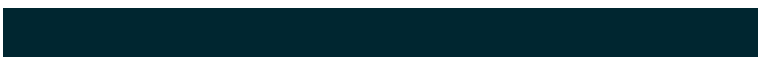
003FDF



656E70



0089B0



002630



# Inverse Universe

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



DF00AE



FF00C7



DFA000



70656E



B00089



300026



# Previews

## White Background



This preview shows how the Hex color 00AEDF looks on a white background.

## Color Contrast Check

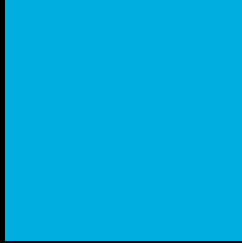
Large Text (above 18pt) WCAG AA × Fail

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 00AEDF looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

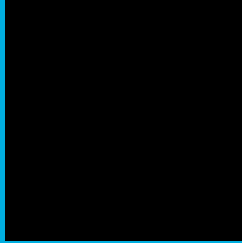
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 00AEDF Background



This preview shows how black text looks on a background with the Hex color 00AEDF.

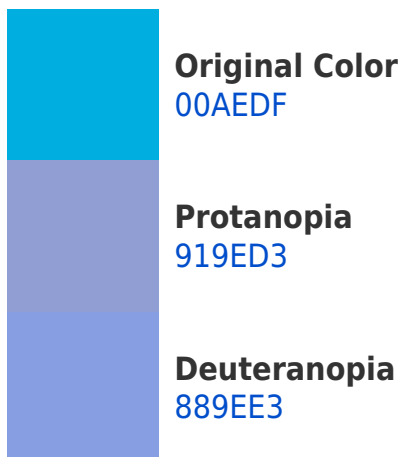


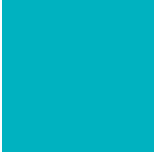
This preview shows how white text looks on a background with the Hex color 00AEDF.

# 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**  
00B2C0

# Trichromacy



**Original Color**  
00AEDF



**Protanomaly**  
5CA4D7



**Deuteranomaly**  
57A4E2



**Tritanomaly**  
00B1CB

# Monochromacy



**Original Color**  
00AEDF



**Achromatopsia**  
808080



**Achromatomaly**  
5191A3

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00AEDF 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 #00AEDF looks like.

```
.text, #text, p{  
    color:#00AEDF  
}
```

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 #00AEDF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00AEDF
}
```

## Border

The CSS property to change the border of an element to Hex 00AEDF 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
#00AEDF }
```

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

```
.border{ border-color:#00AEDF }
```

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

Here you see how a box with a 4 pixel #00AEDF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00AEDF; -webkit-box-shadow:4px 4px  
4px 4px #00AEDF; box-shadow:4px 4px 4px  
4px #00AEDF }
```

# Background

The CSS property to change the background color of an element to Hex 00AEDF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00AEDF }
```

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

```
.background{ background-color:#00AEDF }
```

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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