

# Converting Colors

Hex(00ABEE)

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

<b>Hex(00ABEE)</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(00ABEE)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00ABEE
RGB	0, 171, 238
RGB Percent	0%, 67%, 93%
CMY	1.0000, 0.3294, 0.0667
CMYK	1.00, 0.28, 0.00, 0.07
HSL	197°, 100%, 47%
HSV	197°, 100%, 93%
XYZ	29.9955, 35.2989, 86.1214
YIQ	127.5090, -123.4230, -15.4150

# Conversions

## Conversions Part 2

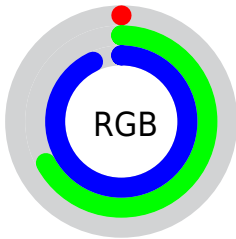
Format	Color
<b>RYB</b>	0, 100, 238
Decimal	44014
CIELab	65.98, -12.95, -43.62
CIELCh	66, 45.497, 253.464
Yxy	35.2989, 0.1981, 0.2331
Android (android.graphics.Color)	4278234094 (0xFF00ABEE)
YUV	127.5090, 54.4721, -111.8254
Hunter-Lab	59.4128, -13.8539, -44.3543

# Details

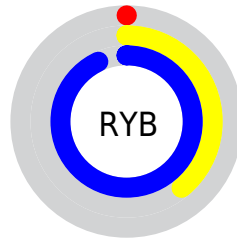
The Hex color **00ABEE** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **EE4300**, and the grayscale version is **7F7F7F**.

A 20% lighter version of the original color is **6DE2FF**, and **0077B6** is the 20% darker color. If you saturate the color by 10%, you get **00ABEE**, and if you desaturate by 10%, it is **18B2EE**.

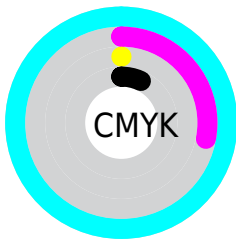
# Distribution



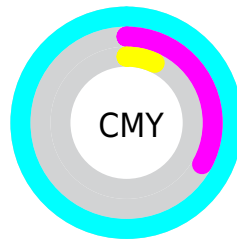
- Red (0%)
- Green (67%)
- Blue (93%)



- Red (0%)
- Yellow (39%)
- Blue (93%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (33%)
- Yellow (7%)

# Brightness & Saturation Gradients

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



 00ABEE

 00ABEE


FFFFFF

 0091D2

 6DE2FF

 0077B6

 8EFFFF

 005E9B

 AEFFFF

 004780

 CEFFFF

 003167

 EDFFFF

 001D4E

 000537

 000221

 000005

 00ABEE

 18B2EE

 30B8EE

 47BFEE

 5FC6EE

 77CCEE

 8FD3EE

 A7DAEE

 BEE1EE

 D6E7EE

# Harmonies

## Analogous

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



00B3D7



00ABEE



7F9EF0

# Triad

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



00ABEE



EE7F8F



7AAE63

# Complementary

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



00ABEE



EE4300

# 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.



A7A44E



00ABEE



E6886A

# Square

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



00ABEE



E182B9



CC9651



3DB488

# Rectangle

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



00ABEE



AA94E5



CC9651



8AAB5A



# Sweetspot

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



00ABEE



B3E9FF



00EE3F



527380



000000



808080



# Same Dimension

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



00ABEE



00B7FF



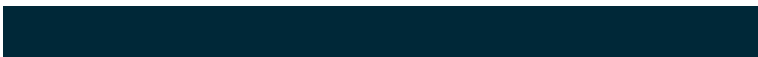
0038EE



6C7478



0084B8



002838



# Inverse Universe

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



EE00AB



FF00B7



EEB600



786C74



B80084

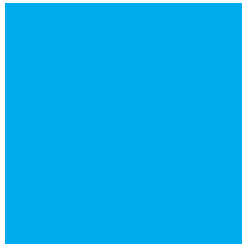


380028



# Previews

## White Background



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

## Color Contrast Check

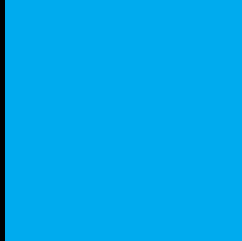
Large Text (above 18pt) WCAG AA × Fail

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 00ABEE 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

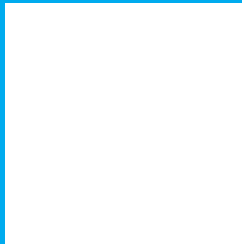
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 00ABEE Background



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

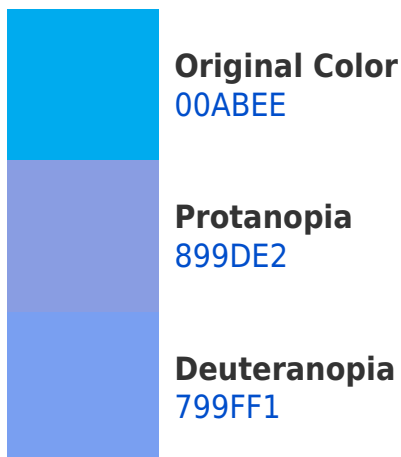


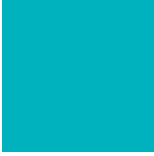
This preview shows how white text looks on a background with the Hex color 00ABEE.

# 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**  
00B1BE

# Trichromacy



**Original Color**  
00ABEE



**Protanomaly**  
57A2E6



**Deuteranomaly**  
4DA3F0



**Tritanomaly**  
00AFCF

# Monochromacy



**Original Color**  
00ABEE



**Achromatopsia**  
808080



**Achromatomaly**  
5190A8

# CSS Examples

## Text

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

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

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 #00ABEE colored shadow looks like.

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

## Border

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

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

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

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

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

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

# Background

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

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

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

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

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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