

# Converting Colors

Hex(00AACE)

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

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# **Color**

**Hex(00AACE)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00AACE
RGB	0, 170, 206
RGB Percent	0%, 67%, 81%
CMY	1.0000, 0.3333, 0.1922
CMYK	1.00, 0.17, 0.00, 0.19
HSL	190°, 100%, 40%
HSV	190°, 100%, 81%
XYZ	25.5153, 33.2057, 63.4571
YIQ	123.2740, -112.8760, -24.8440

# Conversions

## Conversions Part 2

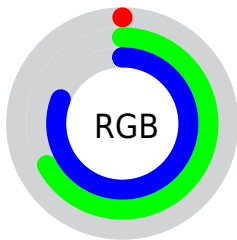
Format	Color
<a href="#">RYB</a>	<a href="#">0, 93, 206</a>
Decimal	<a href="#">43726</a>
CIELab	<a href="#">64.33, -23.69, -28.56</a>
CIELCh	<a href="#">64, 37.111, 230.326</a>
Yxy	<a href="#">33.2057, 0.2088, 0.2718</a>
Android (android.graphics.Color)	<a href="#">4278233806 (0xFF00AACE)</a>
YUV	<a href="#">123.2740, 40.7839, -108.1113</a>
Hunter-Lab	<a href="#">57.6244, -21.8052, -24.9542</a>

# Details

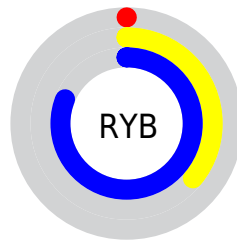
The Hex color **00AACE** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **CE2400**, and the grayscale version is **7B7B7B**.

A 20% lighter version of the original color is **66E1FF**, and **007698** is the 20% darker color. If you saturate the color by 10%, you get **00AACE**, and if you desaturate by 10%, it is **15AECE**.

# Distribution



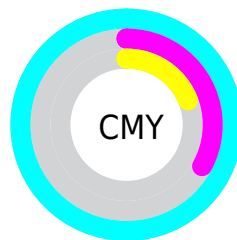
- Red (0%)
- Green (67%)
- Blue (81%)



- Red (0%)
- Yellow (36%)
- Blue (81%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (19%)



- Cyan (100%)
- Magenta (33%)
- Yellow (19%)

# Brightness & Saturation Gradients

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



 00AACE

 00AACE

FFFFFF

 008FB2

 66E1FF

 007698

 86FEFF

 005D7E

 A6FFFF


 004564

 C5FFFF

 002E4C

 E4FFFF

 001A35

 000220

 000004

 000000

 00AA CE

 15AE CE

 29B1 CE

 3EB5 CE

 52B8 CE

 67BC CE

 7CC0 CE

 90C3 CE

 A5C7 CE

 B9CA CE

# Harmonies

## Analogous

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



00ADB2



00AACE



56A2DD

# Triad

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



00AACE



D583A8



9BA15D

# Complementary

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



00AACE



CE2400

# 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.



BB965A



00AACE



DC8387

# Square

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



00AACE



BB8BC7



D28B6A



75A970

# Rectangle

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



00AACE



7E9BDD



D28B6A



A69E5A



# Sweetspot

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



00AACE



B3F2FF



00CE22



527780



000000



808080

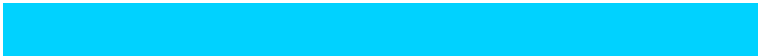


# Same Dimension

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



00AACE



00D2FF



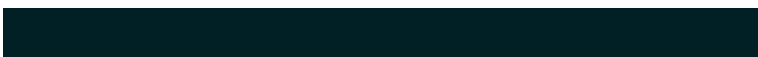
0045CE



5C6466



0089A6



002026



# Inverse Universe

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



CE00AA



FF00D2



CE8900



665C64



A60089



260020



# Previews

## White Background



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

## Color Contrast Check

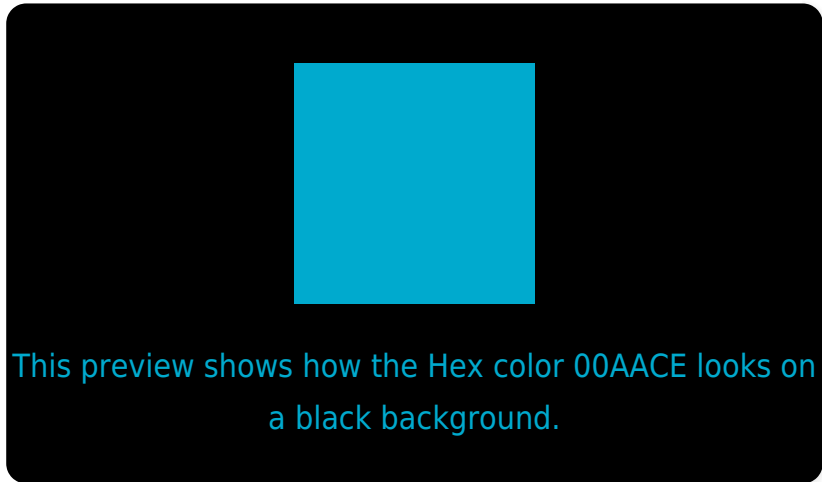
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

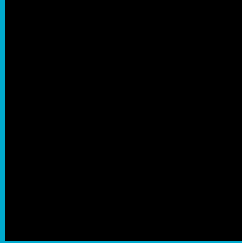
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 00AACE Background



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

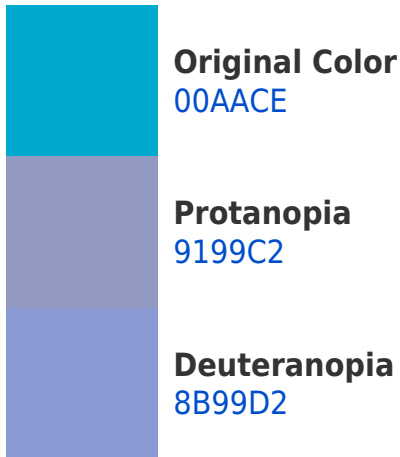


This preview shows how white text looks on a background with the Hex color 00AACE.

# 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





# Trichromacy



**Original Color**  
00AACE



**Protanomaly**  
5C9FC6



**Deuteranomaly**  
589FD1



**Tritanomaly**  
00ABC1

# Monochromacy



**Original Color**  
00AACE



**Achromatopsia**  
7B7B7B



**Achromatomaly**  
4E8C99

# CSS Examples

## Text

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

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

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 #00AACE colored shadow looks like.

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

## Border

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

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

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

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

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

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

# Background

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

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

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

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

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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