

# Converting Colors

Hex(00DDAA)

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

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# Color

**Hex(00DDAA)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00DDAA
RGB	0, 221, 170
RGB Percent	0%, 87%, 67%
CMY	1.0000, 0.1333, 0.3333
CMYK	1.00, 0.00, 0.23, 0.13
HSL	166°, 100%, 43%
HSV	166°, 100%, 87%
XYZ	33.1122, 54.6152, 46.8268
YIQ	149.1070, -115.3450, -62.7130

# Conversions

## Conversions Part 2

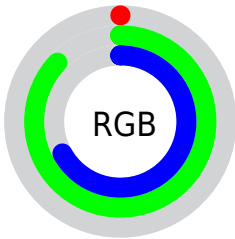
Format	Color
<b>RYB</b>	0, 125, 221
Decimal	56746
CIELab	78.82, -56.88, 12.52
CIELCh	79, 58.244, 167.590
Yxy	54.6152, 0.2461, 0.4059
Android (android.graphics.Color)	4278246826 (0xFF00DDAA)
YUV	149.1070, 10.3002, -130.7668
Hunter-Lab	73.9021, -49.3509, 14.1634

# Details

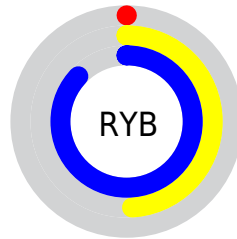
The Hex color **00DDAA** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **DD0033**, and the grayscale version is **959595**.

A 20% lighter version of the original color is **6BFFE1**, and **00A576** is the 20% darker color. If you saturate the color by 10%, you get **00DDAA**, and if you desaturate by 10%, it is **16DDAF**.

# Distribution



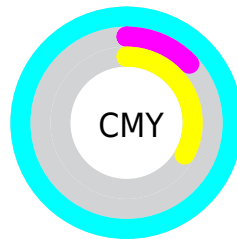
- Red (0%)
- Green (87%)
- Blue (67%)



- Red (0%)
- Yellow (49%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (13%)



- Cyan (100%)
- Magenta (13%)
- Yellow (33%)

# Brightness & Saturation Gradients

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



 00DDAA

 00DDAA

FFFFFF

 00C08F

 6BFFE1

 00A576

 8CFFFE

 00895D

 ACFFFF

 006F45

 CCFFFF

 00552F

 EBFFFF

 003C1A

 002500

 000000

 00DDAA

 16DDAF

 2CDDB4

 42DDB9

 58DDBE

 6FDDC4

 85DDC9

 9BDDCE

 B1DDD3

 C7DDD8

# Harmonies

## Analogous

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



85D677



00DDAA



00DEE2

# Triad

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



00DDAA



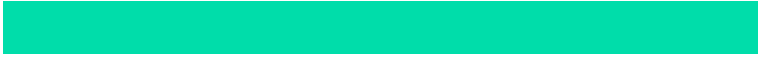
A1BEFF



FFA475

# Complementary

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



00DDAA



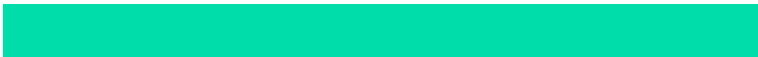
DD0033

# 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.



FF96A5



00DDAA



EFA8FF

# Square

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



00DDAA



00CFFF



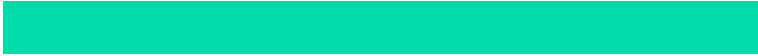
FF97DC



F6B857

# Rectangle

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



00DDAA



00DCFF



FF97DC



FF9E84

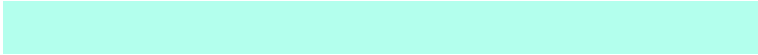


# Sweetspot

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



00DDAA



B3FFED



34DD00



528075



000000



808080



# Same Dimension

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



00DDAA



00FFC4



00A2DD



636E6B



00AD85



002E23



# Inverse Universe

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



DD0033



FF003B



DD3B00



6E6365



AD0028

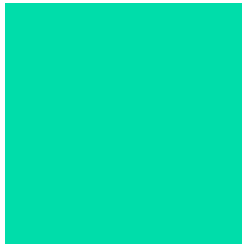


2E000B



# Previews

## White Background



This preview shows how the Hex color 00DDAA 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 00DDAA 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

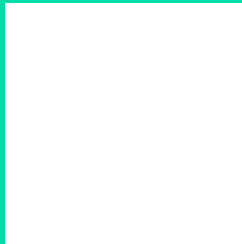
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 00DDAA Background



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

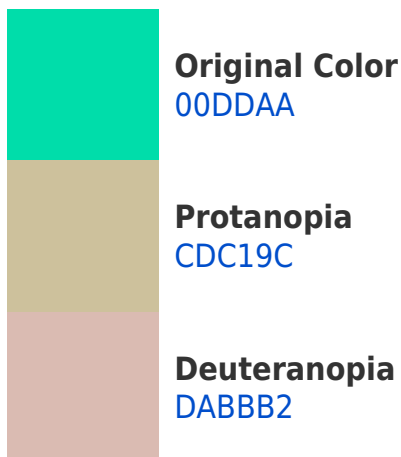


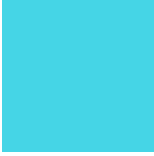
This preview shows how white text looks on a background with the Hex color 00DDAA.

# 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**  
45D5E6

# Trichromacy



**Original Color**

00DDAA



**Protanomaly**

82CBA1



**Deuteranomaly**

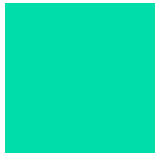
8BC7AF



**Tritanomaly**

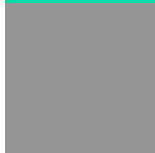
2CD8D0

# Monochromacy



**Original Color**

00DDAA



**Achromatopsia**

959595



**Achromatomaly**

5FAF9D

# CSS Examples

## Text

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

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

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 #00DDAA colored shadow looks like.

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

## Border

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

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

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

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

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

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

# Background

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

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

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

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

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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