

# Converting Colors

Hex(00DDB4)

Have a look what the booklet for  
Hex(00DDB4) contains.

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# Color

**Hex(00DDB4)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00DDB4
RGB	0, 221, 180
RGB Percent	0%, 87%, 71%
CMY	1.0000, 0.1333, 0.2941
CMYK	1.00, 0.00, 0.19, 0.13
HSL	169°, 100%, 43%
HSV	169°, 100%, 87%
XYZ	34.0947, 55.0082, 52.0007
YIQ	150.2470, -118.5550, -59.6030

# Conversions

## Conversions Part 2

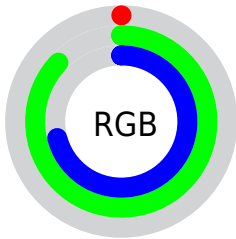
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 122, 221
Decimal	56756
CIELab	79.05, -54.42, 7.54
CIELCh	79, 54.936, 172.110
Yxy	55.0082, 0.2416, 0.3898
Android (android.graphics.Color)	4278246836 (0xFF00DDB4)
YUV	150.2470, 14.6682, -131.7666
Hunter-Lab	74.1675, -47.7370, 10.3476

# Details

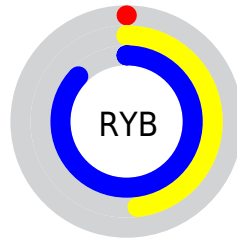
The Hex color **00DDB4** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **DD0029**, and the grayscale version is **969696**.

A 20% lighter version of the original color is **6CFFEC**, and **00A57F** is the 20% darker color. If you saturate the color by 10%, you get **00DDB4**, and if you desaturate by 10%, it is **16DDB8**.

# Distribution



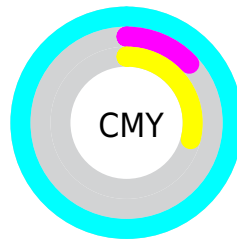
- Red (0%)
- Green (87%)
- Blue (71%)



- Red (0%)
- Yellow (48%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (19%)
- Black (13%)



- Cyan (100%)
- Magenta (13%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00DDB4 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 00DDB4 by changing the saturation by 10% instead.



 00DDB4

 00DDB4

FFFFFF

 00C199

 6CFFEC

 00A57F

 8DFFFF

 008A66

 ADFFFF

 006F4E

 CDFFFF

 005537

 ECFFFF

 003D22

 00260D

 000000

 00DDB4

 16DDB8

 2CDDBC

 42DDC0

 58DDC4

 6FDDC9

 85DDCD

 9BDDD1

 B1DDD5

 C7DDD9

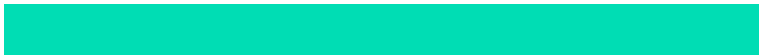
# Harmonies

## Analogous

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



80D783



00DDB4



00DEE9

# Triad

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



00DDB4



B2BCFF



FFAA75

# Complementary

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



00DDB4



DD0029

# 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.



FF9BA0



00DDB4



F6A8FF

# Square

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



00DDB4



40CDFE



FF9AD3



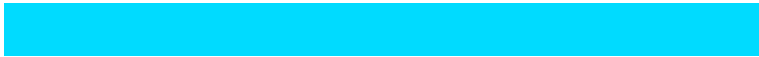
EEBC5C

# Rectangle

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



00DDB4



00DBFF



FF9AD3

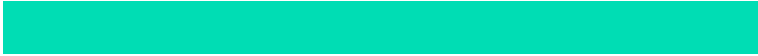


FFA482

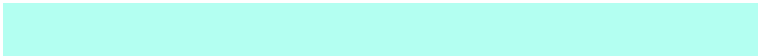


# Sweetspot

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



00DDB4



B3FFF1



2CDD00



528077



000000

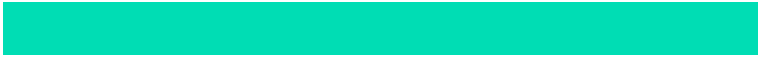


808080



# Same Dimension

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



00DDB4



00FFD0



009BDD



636E6C



00AD8D



002E25



# Inverse Universe

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



DD0029



FF002F



DD4200



6E6365



AD0020

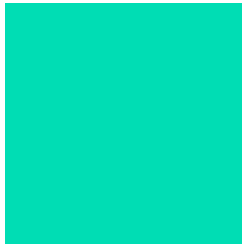


2E0009



# Previews

## White Background



This preview shows how the Hex color 00DDB4 looks on a white background.

## Color Contrast Check

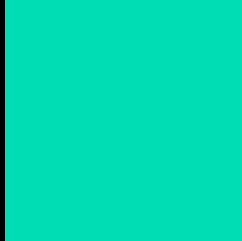
Large Text (above 18pt) WCAG AA × Fail

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 00DDB4 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

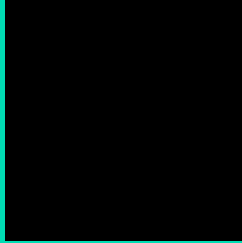
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

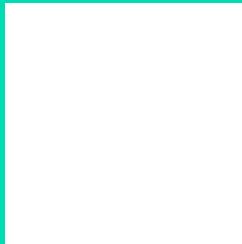
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 00DDB4 Background



This preview shows how black text looks on a background with the Hex color 00DDB4.

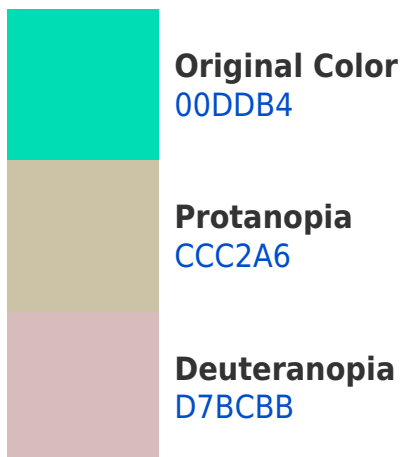


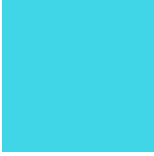
This preview shows how white text looks on a background with the Hex color 00DDB4.

# 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**  
41D6E7

# Trichromacy



**Original Color**

00DDB4



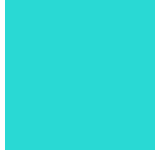
**Protanomaly**

82CCAB



**Deuteranomaly**

89C8B8



**Tritanomaly**

29D9D4

# Monochromacy



**Original Color**

00DDB4



**Achromatopsia**

969696



**Achromatomaly**

5FB0A1

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00DDB4 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 #00DDB4 looks like.

```
.text, #text, p{  
    color:#00DDB4  
}
```

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 #00DDB4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00DDB4
}
```

## Border

The CSS property to change the border of an element to Hex 00DDB4 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
#00DDB4 }
```

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

```
.border{ border-color:#00DDB4 }
```

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

Here you see how a box with a 4 pixel #00DDB4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00DDB4; -webkit-box-shadow:4px 4px  
4px 4px #00DDB4; box-shadow:4px 4px 4px  
4px #00DDB4 }
```

# Background

The CSS property to change the background color of an element to Hex 00DDB4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00DDB4 }
```

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

```
.background{ background-color:#00DDB4 }
```

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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