

Converting Colors

Hex(00DDB0)

Have a look what the booklet for
Hex(00DDB0) contains.

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Color

Hex(00DDB0)

Conversions

Conversions Part 1

Format	Color
Hex	00DDB0
RGB	0, 221, 176
RGB Percent	0%, 87%, 69%
CMY	1.0000, 0.1333, 0.3098
CMYK	1.00, 0.00, 0.20, 0.13
HSL	168°, 100%, 43%
HSV	168°, 100%, 87%
XYZ	33.6929, 54.8475, 49.8851
YIQ	149.7910, -117.2710, -60.8470

Conversions

Conversions Part 2

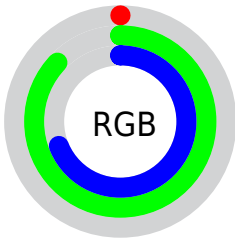
Format	Color
RYB	0, 123, 221
Decimal	56752
CIELab	78.95, -55.42, 9.53
CIELCh	79, 56.231, 170.242
Yxy	54.8475, 0.2434, 0.3962
Android (android.graphics.Color)	4278246832 (0xFF00DDB0)
YUV	149.7910, 12.9210, -131.3667
Hunter-Lab	74.0591, -48.3955, 11.9045

Details

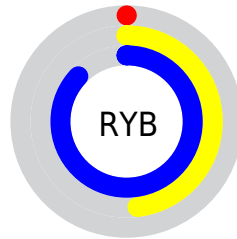
The Hex color **00DDB0** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **DD002D**, and the grayscale version is **969696**.

A 20% lighter version of the original color is **6BFFE8**, and **00A57C** is the 20% darker color. If you saturate the color by 10%, you get **00DDB0**, and if you desaturate by 10%, it is **16DDB4**.

Distribution



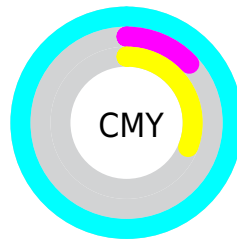
- Red (0%)
- Green (87%)
- Blue (69%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (13%)



- Cyan (100%)
- Magenta (13%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Hex color 00DDB0 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 00DDB0 by changing the saturation by 10% instead.

 00DDB0

 00DDB0

FFFFFF

 00C195

 6BFFE8

 00A57C

 8DFFFF

 008963

 ADFFFF

 006F4B

 CCFFFF

 005534

 ECFFFF

 003C1F

 002508

 000000

 00DDB0

 16DDB4

 2CDDB9

 42DDBD

 58DDC2

 6FDDC7

 85DDCB

 9BDDD0

 B1DDD4

 C7DDD9

Harmonies

Analogous

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



82D77E



00DDB0



00DEE6

Triad

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



00DDB0



ACBCFF



FFA775

Complementary

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



00DDB0



DD002D

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.



FF99A2



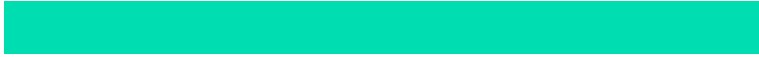
00DDB0



F3A8FF

Square

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



00DDB0



23CEFF



FF99D7



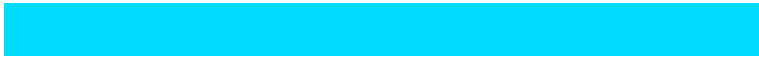
F1BB5A

Rectangle

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



00DDB0



00DBFF



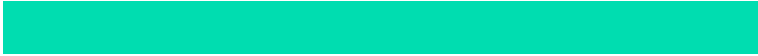
FF99D7



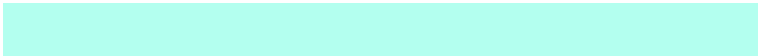
FFA282

Sweetspot

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



00DDB0



B3FFEF



30DD00



528076



000000



808080

Same Dimension

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



00DDB0



00FFCB



009EDD



636E6B



00AD8A



002E25

Inverse Universe

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



DD002D



FF0034



DD3F00



6E6365



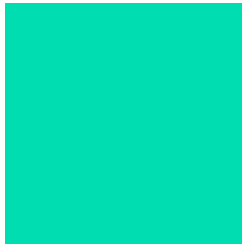
AD0023



2E0009

Previews

White Background



This preview shows how the Hex color 00DDB0 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 00DDB0 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

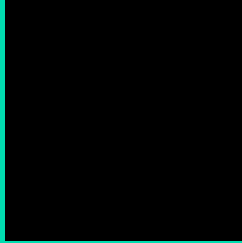
Any Text WCAG AA ✓ Pass

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 00DDB0 Background



This preview shows how black text looks on a background with the Hex color 00DDB0.

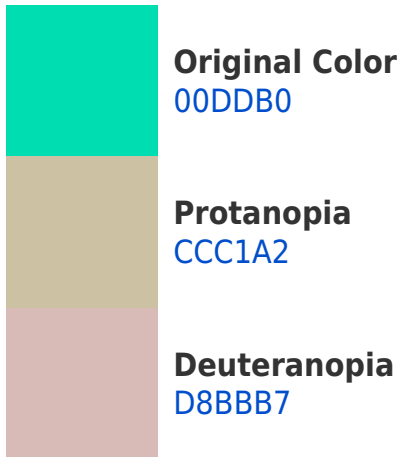


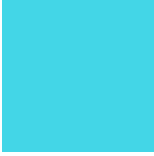
This preview shows how white text looks on a background with the Hex color 00DDB0.

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
43D6E7

Trichromacy



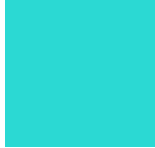
Original Color
00DDB0



Protanomaly
82CBA7



Deuteranomaly
89C7B4



Tritanomaly
2BD9D3

Monochromacy



Original Color
00DDB0



Achromatopsia
969696



Achromatomaly
5FB09F

CSS Examples

Text

The CSS property to change the color of the text to Hex 00DDB0 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 #00DDB0 looks like.

```
.text, #text, p{  
    color:#00DDB0  
}
```

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 #00DDB0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00DDB0
}
```

Border

The CSS property to change the border of an element to Hex 00DDB0 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
#00DDB0 }
```

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

```
.border{ border-color:#00DDB0 }
```

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

Here you see how a box with a 4 pixel #00DDB0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00DDB0; -webkit-box-shadow:4px 4px  
4px 4px #00DDB0; box-shadow:4px 4px 4px  
4px #00DDB0 }
```

Background

The CSS property to change the background color of an element to Hex 00DDB0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00DDB0 }
```

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

```
.background{ background-color:#00DDB0 }
```

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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