

Converting Colors

Hex(00DEB6)

Have a look what the booklet for
Hex(00DEB6) contains.

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Color

Hex(00DEB6)

Conversions

Conversions Part 1

Format	Color
Hex	00DEB6
RGB	0, 222, 182
RGB Percent	0%, 87%, 71%
CMY	1.0000, 0.1294, 0.2863
CMYK	1.00, 0.00, 0.18, 0.13
HSL	169°, 100%, 44%
HSV	169°, 100%, 87%
XYZ	34.5648, 55.6200, 53.1699
YIQ	151.0620, -119.4720, -59.5040

Conversions

Conversions Part 2

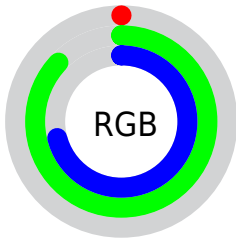
Format	Color
RYB	0, 122, 222
Decimal	57014
CIELab	79.40, -54.30, 6.98
CIElCh	79, 54.751, 172.672
Yxy	55.6200, 0.2411, 0.3880
Android (android.graphics.Color)	4278247094 (0xFF00DEB6)
YUV	151.0620, 15.2524, -132.4814
Hunter-Lab	74.5788, -47.7841, 9.9351

Details

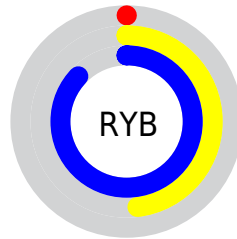
The Hex color **00DEB6** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **DE0028**, and the grayscale version is **979797**.

A 20% lighter version of the original color is **6CFFEE**, and **00A681** is the 20% darker color. If you saturate the color by 10%, you get **00DEB6**, and if you desaturate by 10%, it is **16DEBA**.

Distribution



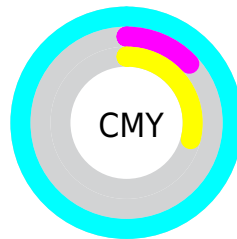
- Red (0%)
- Green (87%)
- Blue (71%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (13%)



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

Brightness & Saturation Gradients

These gradients show how the Hex color 00DEB6 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 00DEB6 by changing the saturation by 10% instead.

 00DEB6

 00DEB6

FFFFFF

 00C29B

 6CFFEE

 00A681

 8EFFFF

 008A68

 AEFFFF

 007050

 CDFFFF

 005639

 EDFFFF

 003D24

 00270F

 000000

 00DEB6

 16DEBA

 2CDEBE

 43DEC2

 59DEC6

 6FDECA

 85DECE

 9BDED2

 B2DED6

 C8DEDA

Harmonies

Analogous

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



80D885



00DEB6



00DEEA

Triad

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



00DEB6



B5BCFF



FFAB75

Complementary

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



00DEB6



DE0028

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.



FF9DA0



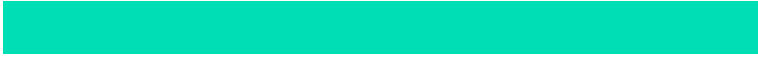
00DEB6



F8A9FF

Square

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



00DEB6



46CEFF



FF9BD3



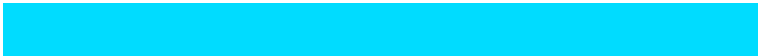
EEBE5D

Rectangle

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



00DEB6



00DCFF



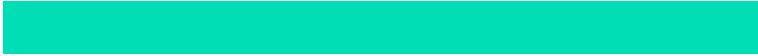
FF9BD3



FFA582

Sweetspot

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



00DEB6



B3FFF1



29DE00



528077



000000



808080

Same Dimension

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



00DEB6



00FFD1



0098DE



65706E



00B090



003028

Inverse Universe

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



DE0028



FF002E



DE4600



706567



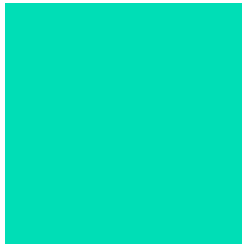
B00020



300009

Previews

White Background



This preview shows how the Hex color 00DEB6 looks on a white background.

Color Contrast Check

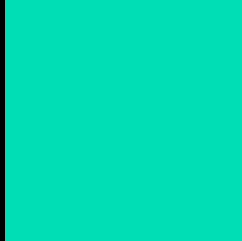
Large Text (above 18pt) WCAG AA × Fail

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 00DEB6 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

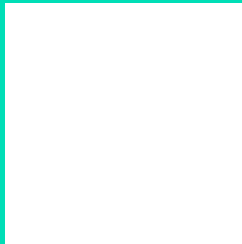
Any Text WCAG AAA ✓ Pass

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

Hex 00DEB6 Background



This preview shows how black text looks on a background with the Hex color 00DEB6.



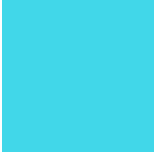
This preview shows how white text looks on a background with the Hex color 00DEB6.

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
41D7E9

Trichromacy



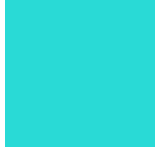
Original Color
00DEB6



Protanomaly
82CDAD



Deuteranomaly
89C9BA



Tritanomaly
29DAD6

Monochromacy



Original Color
00DEB6



Achromatopsia
979797



Achromatomaly
60B1A2

CSS Examples

Text

The CSS property to change the color of the text to Hex 00DEB6 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 #00DEB6 looks like.

```
.text, #text, p{  
    color:#00DEB6  
}
```

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 #00DEB6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00DEB6
}
```

Border

The CSS property to change the border of an element to Hex 00DEB6 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
#00DEB6 }
```

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

```
.border{ border-color:#00DEB6 }
```

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

Here you see how a box with a 4 pixel #00DEB6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00DEB6; -webkit-box-shadow:4px 4px  
4px 4px #00DEB6; box-shadow:4px 4px 4px  
4px #00DEB6 }
```

Background

The CSS property to change the background color of an element to Hex 00DEB6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00DEB6 }
```

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

```
.background{ background-color:#00DEB6 }
```

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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