

# Converting Colors

Hex(0DB7B7)

Have a look what the booklet for  
Hex(0DB7B7) contains.

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**Color**

**Hex(0DB7B7)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0DB7B7
RGB	13, 183, 183
RGB Percent	5%, 72%, 72%
CMY	0.9490, 0.2824, 0.2824
CMYK	0.93, 0.00, 0.00, 0.28
HSL	180°, 87%, 38%
HSV	180°, 93%, 72%
XYZ	25.6467, 37.3714, 50.6614
YIQ	132.1700, -101.3200, -36.0400

# Conversions

## Conversions Part 2

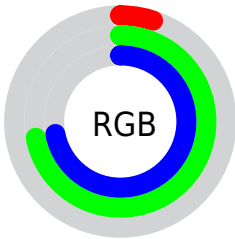
Format	Color
<a href="#">RYB</a>	<a href="#">13, 98, 183</a>
Decimal	<a href="#">898999</a>
CIELab	<a href="#">67.55, -37.05, -10.92</a>
CIELCh	<a href="#">68, 38.627, 196.418</a>
Yxy	<a href="#">37.3714, 0.2256, 0.3287</a>
Android (android.graphics.Color)	<a href="#">4279089079</a> ( <a href="#">0xFF0DB7B7</a> )
YUV	<a href="#">132.1700, 25.0592, -104.5121</a>
Hunter-Lab	<a href="#">61.1322, -32.0954, -6.3423</a>

# Details

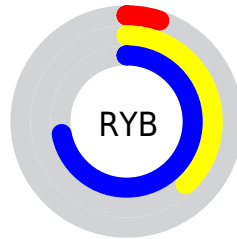
The Hex color **0DB7B7** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **B70D0D**, and the grayscale version is **848484**.

A 20% lighter version of the original color is **67F0EF**, and **008182** is the 20% darker color. If you saturate the color by 10%, you get **00B7B7**, and if you desaturate by 10%, it is **1FB7B7**.

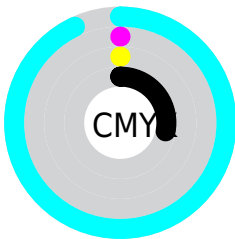
# Distribution



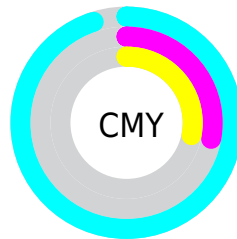
- Red (5%)
- Green (72%)
- Blue (72%)



- Red (5%)
- Yellow (38%)
- Blue (72%)



- Cyan (93%)
- Magenta (0%)
- Yellow (0%)
- Black (28%)



- Cyan (95%)
- Magenta (28%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0DB7B7 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 0DB7B7 by changing the saturation by 10% instead.



 0DB7B7

 0DB7B7

FFFFFF

 009C9C

 67F0EF

 008182

 86FFFF

 006869

 A5FFFF

 004F51

 C4FFFF

 00373A

 E3FFFF

 002324

 00010F

 000000

 0DB7B7

 0DB7B7

00B7B7

1FB7B7

32B7B7

44B7B7

56B7B7

69B7B7

7BB7B7

8DB7B7

9FB7B7

B2B7B7

# Harmonies

## Analogous

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



53B693



0DB7B7



00B4D6

# Triad

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



0DB7B7



C094D5



C99D61

# Complementary

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



0DB7B7



B70D0D

# 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.



E09174



0DB7B7



DE8BB6

# Square

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



0DB7B7



91A1E7



E88A93



A8A860

# Rectangle

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



0DB7B7



3AB0E4



E88A93



D29965



# Sweetspot

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



0DB7B7



ABEDED



0DB70D



4F7878



F7F7F7



787878



# Same Dimension

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



0DB7B7



00EDED



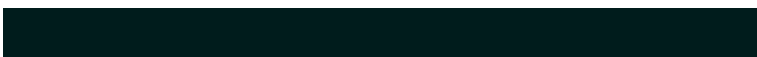
0D62B7



535C5C



009C9C



001C1C



# Inverse Universe

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



B70DB7



ED00ED



B7620D



5C535C



9C009C

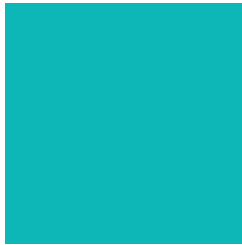


1C001C



# Previews

## White Background



This preview shows how the Hex color 0DB7B7 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 0DB7B7 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

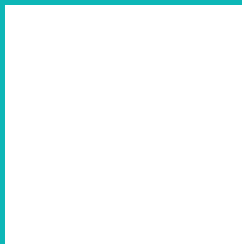
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 0DB7B7 Background



This preview shows how black text looks on a background with the Hex color 0DB7B7.

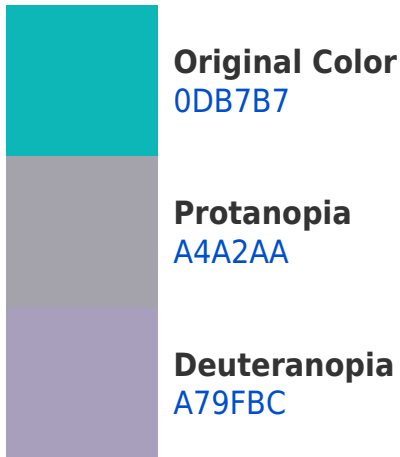


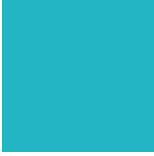
This preview shows how white text looks on a background with the Hex color 0DB7B7.

# 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**  
23B5C4

# Trichromacy



**Original Color**  
0DB7B7



**Protanomaly**  
6DAAAF



**Deuteranomaly**  
6FA8BA



**Tritanomaly**  
1BB6BF

# Monochromacy



**Original Color**  
0DB7B7



**Achromatopsia**  
848484



**Achromatomaly**  
599797

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0DB7B7 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 #0DB7B7 looks like.

```
.text, #text, p{  
    color:#0DB7B7  
}
```

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 #0DB7B7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0DB7B7  
}
```

## Border

The CSS property to change the border of an element to Hex 0DB7B7 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  
#0DB7B7 }
```

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

```
.border{ border-color:#0DB7B7 }
```

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

Here you see how a box with a 4 pixel #0DB7B7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0DB7B7; -webkit-box-shadow:4px 4px  
4px 4px #0DB7B7; box-shadow:4px 4px 4px  
4px #0DB7B7 }
```

# Background

The CSS property to change the background color of an element to Hex 0DB7B7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0DB7B7 }
```

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

```
.background{ background-color:#0DB7B7 }
```

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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