

# Converting Colors

Hex(0DB787)

Have a look what the booklet for  
Hex(0DB787) contains.

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**Color**

**Hex(0DB787)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0DB787
RGB	13, 183, 135
RGB Percent	5%, 72%, 53%
CMY	0.9490, 0.2824, 0.4706
CMYK	0.93, 0.00, 0.26, 0.28
HSL	163°, 87%, 38%
HSV	163°, 93%, 72%
XYZ	21.4726, 35.7018, 28.6811
YIQ	126.6980, -85.9120, -50.9680

# Conversions

## Conversions Part 2

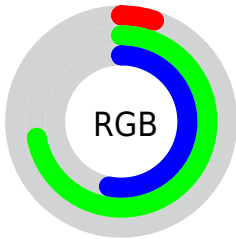
<b>Format</b>	<b>Color</b>
<b>RYB</b>	13, 112, 183
Decimal	898951
CIELab	66.29, -50.18, 13.68
CIElCh	66, 52.012, 164.756
Yxy	35.7018, 0.2501, 0.4158
Android (android.graphics.Color)	4279089031 (0xFF0DB787)
YUV	126.6980, 4.0929, -99.7131
Hunter-Lab	59.7510, -40.4169, 13.3659

# Details

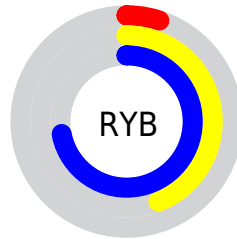
The Hex color **0DB787** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **B70D3D**, and the grayscale version is **7F7F7F**.

A 20% lighter version of the original color is **63F0BC**, and **008155** is the 20% darker color. If you saturate the color by 10%, you get **00B783**, and if you desaturate by 10%, it is **1FB78C**.

# Distribution



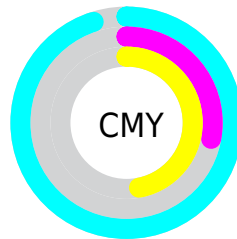
- Red (5%)
- Green (72%)
- Blue (53%)



- Red (5%)
- Yellow (44%)
- Blue (72%)



- Cyan (93%)
- Magenta (0%)
- Yellow (26%)
- Black (28%)



- Cyan (95%)
- Magenta (28%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0DB787 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 0DB787 by changing the saturation by 10% instead.



 0DB787

 0DB787

FFFFFF

 009C6E

 63F0BC

 008155

 82FFD8

 00673E

 A0FFF5

 004D28

 BEFFFF

 003513

 DDFFFF

 001E00

 FBFFFF

 000000

 0DB787

 0DB787

 00B783

 1FB78C

 32B791

 44B797

 56B79C

 69B7A1

 7BB7A6

 8DB7AB

 9FB7B0

 B2B7B6

# Harmonies

## Analogous

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



71B15C



0DB787



00B9B7

# Triad

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



0DB787



7B9EFC



EE8561

# Complementary

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



0DB787



B70D3D

# 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.



F9798C



0DB787



C28CE4

# Square

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



0DB787



00ADFB



EB7CBB



D09645

# Rectangle

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



0DB787



00B7D5



EB7CBB



F4806E



# Sweetspot

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



0DB787



ABEDDA



3DB70D



4F786C



F7F7F7



787878



# Same Dimension

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



0DB787



00EDAA



0D92B7



535C59



009C70



001C14



# Inverse Universe

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



B70D3D



ED0043



B7320D



5C5355



9C002C

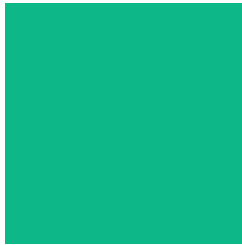


1C0008



# Previews

## White Background



This preview shows how the Hex color 0DB787 looks on a white background.

## Color Contrast Check

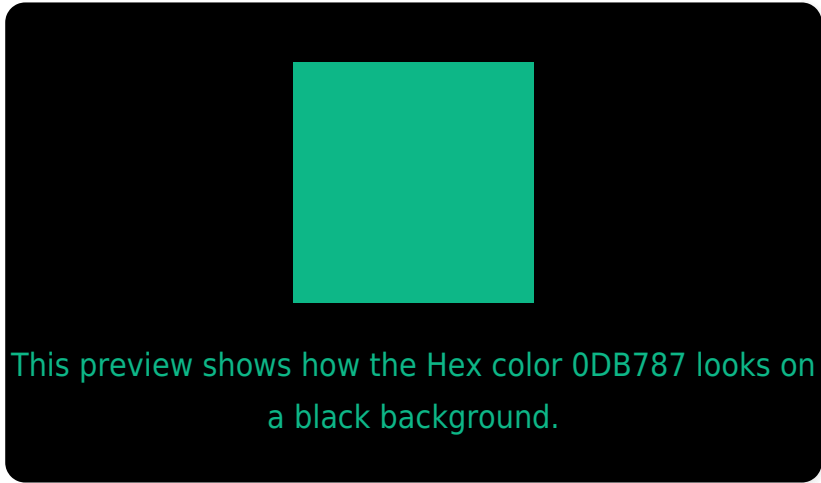
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

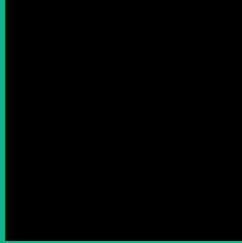
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 0DB787 Background



This preview shows how black text looks on a background with the Hex color 0DB787.

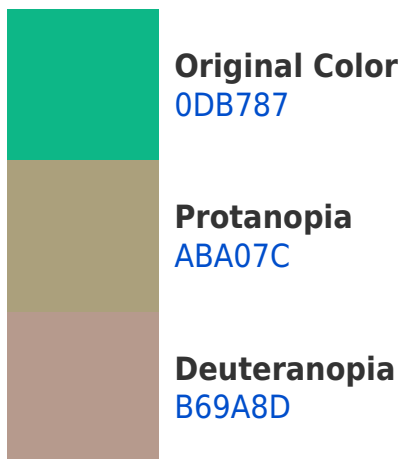


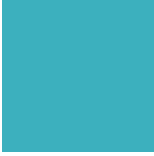
This preview shows how white text looks on a background with the Hex color 0DB787.

# 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





# Trichromacy



**Original Color**  
0DB787



**Protanomaly**  
72A880



**Deuteranomaly**  
79A58B



**Tritanomaly**  
2BB3AA

# Monochromacy



**Original Color**  
0DB787



**Achromatopsia**  
7F7F7F



**Achromatomaly**  
569382

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0DB787 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 #0DB787 looks like.

```
.text, #text, p{  
    color:#0DB787  
}
```

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 #0DB787 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0DB787
}
```

## Border

The CSS property to change the border of an element to Hex 0DB787 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
#0DB787 }
```

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

```
.border{ border-color:#0DB787 }
```

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

Here you see how a box with a 4 pixel #0DB787 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0DB787; -webkit-box-shadow:4px 4px  
4px 4px #0DB787; box-shadow:4px 4px 4px  
4px #0DB787 }
```

# Background

The CSS property to change the background color of an element to Hex 0DB787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0DB787 }
```

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

```
.background{ background-color:#0DB787 }
```

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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