

# Converting Colors

Hex(0BB376)

Have a look what the booklet for  
Hex(0BB376) contains.

<b>Hex(0BB376)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(0BB376)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0BB376
RGB	11, 179, 118
RGB Percent	4%, 70%, 46%
CMY	0.9569, 0.2980, 0.5373
CMYK	0.94, 0.00, 0.34, 0.30
HSL	158°, 88%, 37%
HSV	158°, 94%, 70%
XYZ	19.5281, 33.6194, 22.5995
YIQ	121.8140, -80.5470, -54.5870

# Conversions

## Conversions Part 2

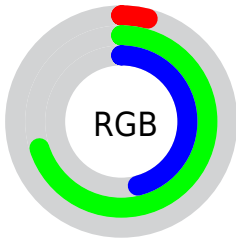
Format	Color
<a href="#">RYB</a>	<a href="#">11, 114, 179</a>
Decimal	<a href="#">766838</a>
CIELab	<a href="#">64.66, -52.63, 20.65</a>
CIELCh	<a href="#">65, 56.539, 158.576</a>
Yxy	<a href="#">33.6194, 0.2578, 0.4438</a>
Android (android.graphics.Color)	<a href="#">4278956918 (0xFF0BB376)</a>
YUV	<a href="#">121.8140, -1.8803, -97.1839</a>
Hunter-Lab	<a href="#">57.9822, -41.3509, 17.4783</a>

# Details

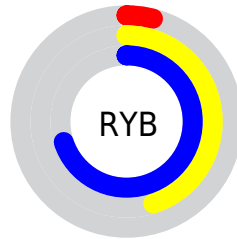
The Hex color **0BB376** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **B30B48**, and the grayscale version is **7A7A7A**.

A 20% lighter version of the original color is **61ECAA**, and **007D45** is the 20% darker color. If you saturate the color by 10%, you get **00B372**, and if you desaturate by 10%, it is **1DB37C**.

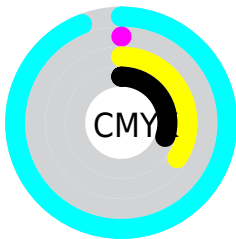
# Distribution



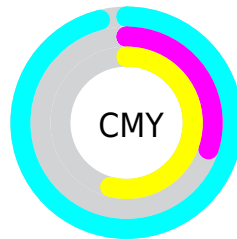
- Red (4%)
- Green (70%)
- Blue (46%)



- Red (4%)
- Yellow (45%)
- Blue (70%)



- Cyan (94%)
- Magenta (0%)
- Yellow (34%)
- Black (30%)



- Cyan (96%)
- Magenta (30%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0BB376 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 0BB376 by changing the saturation by 10% instead.



 0BB376

 0BB376

FFFFFF

 00985D

 61ECAA

 007D45

 80FFC6

 00632E

 9EFFE2

 004A18

 BCFFFF

 003200

 DAFFFF

 001900

 F8FFFF

 000000

 0BB376

 0BB376

 00B372

 1DB37C

 2FB383

 41B389

 53B390

 65B396

 76B39D

 88B3A3

 9AB3AA

 ACB3B0

# Harmonies

## Analogous

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



75AC49



0BB376



00B6AA

# Triad

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



0BB376



569EFF



F27A60

# Complementary

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



0BB376



B30B48

# 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.



F96F90



0BB376



B389EC

# Square

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



0BB376



00ACFA



E576C3



D68D3C

# Rectangle

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



0BB376



00B5CC



E576C3



F7756F



# Sweetspot

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



0BB376



A7E8D0



49B30B



4D7567



F5F5F5



757575



# Same Dimension

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



0BB376



00E894



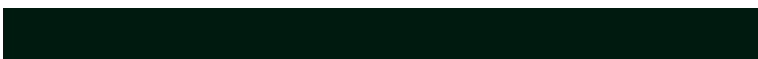
0B9DB3



505956



009961



001A10



# Inverse Universe

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



B30B48



E80054



B3210B



595054



990038

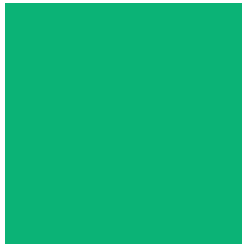


1A0009



# Previews

## White Background



This preview shows how the Hex color 0BB376 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 0BB376 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 0BB376 Background



This preview shows how black text looks on a background with the Hex color 0BB376.



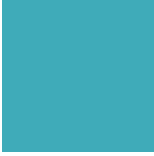
This preview shows how white text looks on a background with the Hex color 0BB376.

# 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**  
3FABB9

# Trichromacy



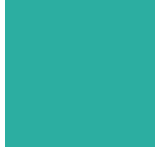
**Original Color**  
0BB376



**Protanomaly**  
6FA470



**Deuteranomaly**  
77A07A



**Tritanomaly**  
2CAEA1

# Monochromacy



**Original Color**  
0BB376



**Achromatopsia**  
7A7A7A



**Achromatomaly**  
528F79

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0BB376 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 #0BB376 looks like.

```
.text, #text, p{  
    color:#0BB376  
}
```

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 #0BB376 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0BB376
}
```

## Border

The CSS property to change the border of an element to Hex 0BB376 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
#0BB376 }
```

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

```
.border{ border-color:#0BB376 }
```

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

Here you see how a box with a 4 pixel #0BB376 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0BB376; -webkit-box-shadow:4px 4px  
4px 4px #0BB376; box-shadow:4px 4px 4px  
4px #0BB376 }
```

# Background

The CSS property to change the background color of an element to Hex 0BB376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0BB376 }
```

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

```
.background{ background-color:#0BB376 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor