

# Converting Colors

Hex(09B066)

Have a look what the booklet for  
Hex(09B066) contains.

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**Color**

**Hex(09B066)**

# Conversions

## Conversions Part 1

Format	Color
Hex	09B066
RGB	9, 176, 102
RGB Percent	4%, 69%, 40%
CMY	0.9647, 0.3098, 0.6000
CMYK	0.95, 0.00, 0.42, 0.31
HSL	153°, 90%, 36%
HSV	153°, 95%, 69%
XYZ	18.0363, 32.0681, 17.8095
YIQ	117.6310, -75.7780, -58.4180

# Conversions

## Conversions Part 2

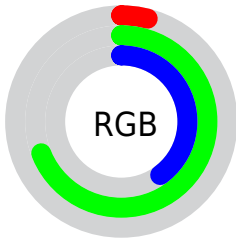
Format	Color
<a href="#">RYB</a>	<a href="#">9, 116, 176</a>
Decimal	<a href="#">634982</a>
CIELab	<a href="#">63.40, -54.91, 27.52</a>
CIELCh	<a href="#">63, 61.422, 153.384</a>
Yxy	<a href="#">32.0681, 0.2656, 0.4722</a>
Android (android.graphics.Color)	<a href="#">4278825062 (0xFF09B066)</a>
YUV	<a href="#">117.6310, -7.7061, -95.2694</a>
Hunter-Lab	<a href="#">56.6287, -42.2478, 20.9936</a>

# Details

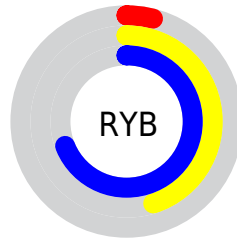
The Hex color **09B066** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **B00953**, and the grayscale version is **767676**.

A 20% lighter version of the original color is **5FE99A**, and **007A36** is the 20% darker color. If you saturate the color by 10%, you get **00B062**, and if you desaturate by 10%, it is **1BB06E**.

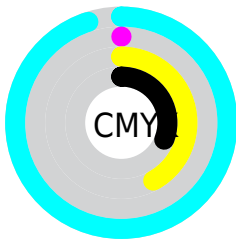
# Distribution



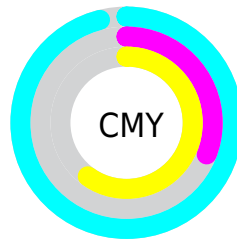
- Red (4%)
- Green (69%)
- Blue (40%)



- Red (4%)
- Yellow (45%)
- Blue (69%)



- Cyan (95%)
- Magenta (0%)
- Yellow (42%)
- Black (31%)



- Cyan (96%)
- Magenta (31%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 09B066 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 09B066 by changing the saturation by 10% instead.



 09B066

 09B066


FFFFFF

 00954D

 5FE99A

 007A36

 7EFFB5

 00601F

 9CFFD1

 004707

 BAFED

 003000

 D8FFF

 001400

 F7FFF

 000000

 09B066

 09B066

 00B062

 1BB06E

 2CB076

 3EB07D

 4FB085

 61B08D

 73B095

 84B09D

 96B0A4

 A7B0AC

# Harmonies

## Analogous

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



78A736



09B066



00B49E

# Triad

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



09B066



009EFF



F76F60

# Complementary

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



09B066



B00953

# 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.



FB6596



09B066



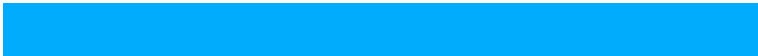
A388F5

# Square

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



09B066



00ACFB



E071CB



DC8435

# Rectangle

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



09B066



00B3C3



E071CB



FC6A71



# Sweetspot

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



09B066



A5E6C9



54B009



4C7361



F2F2F2



737373



# Same Dimension

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



09B066



00E680



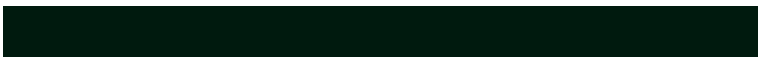
09A8B0



505955



009955



001A0E



# Inverse Universe

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



B00953



E60066



B01109



595054



990044



1A000B



# Previews

## White Background



This preview shows how the Hex color 09B066 looks on a white background.

## Color Contrast Check

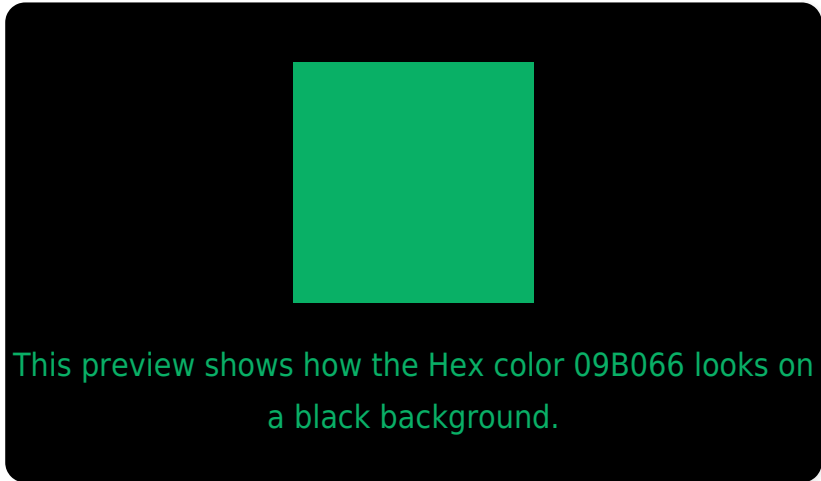
Large Text (above 18pt) WCAG AA × Fail

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

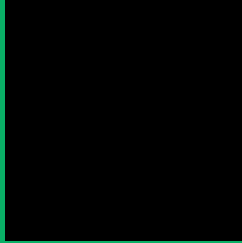
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 09B066 Background



This preview shows how black text looks on a background with the Hex color 09B066.



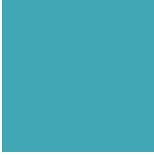
This preview shows how white text looks on a background with the Hex color 09B066.

# 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**  
41A7B4

# Trichromacy



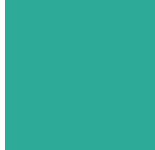
**Original Color**  
09B066



**Protanomaly**  
6DA160



**Deuteranomaly**  
769D6A



**Tritanomaly**  
2DAA98

# Monochromacy



**Original Color**  
09B066



**Achromatopsia**  
767676



**Achromatomaly**  
4E8B70

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 09B066 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 #09B066 looks like.

```
.text, #text, p{  
    color:#09B066  
}
```

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 #09B066 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #09B066
}
```

## Border

The CSS property to change the border of an element to Hex 09B066 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
#09B066 }
```

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

```
.border{ border-color:#09B066 }
```

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

Here you see how a box with a 4 pixel #09B066 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #09B066; -webkit-box-shadow:4px 4px  
4px 4px #09B066; box-shadow:4px 4px 4px  
4px #09B066 }
```

# Background

The CSS property to change the background color of an element to Hex 09B066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#09B066 }
```

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

```
.background{ background-color:#09B066 }
```

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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