

# Converting Colors

Hex(09B157)

Have a look what the booklet for  
Hex(09B157) contains.

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**Color**

**Hex(09B157)**

# Conversions

## Conversions Part 1

Format	Color
Hex	09B157
RGB	9, 177, 87
RGB Percent	4%, 69%, 34%
CMY	0.9647, 0.3059, 0.6588
CMYK	0.95, 0.00, 0.51, 0.31
HSL	148°, 90%, 36%
HSV	148°, 95%, 69%
XYZ	17.5551, 32.1905, 14.3050
YIQ	116.5080, -71.2380, -63.6060

# Conversions

## Conversions Part 2

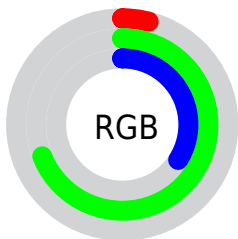
<b>Format</b>	<b>Color</b>
<b>RYB</b>	9, 124, 177
Decimal	635223
CIELab	63.50, -57.93, 35.40
CIELCh	64, 67.884, 148.573
Yxy	32.1905, 0.2741, 0.5026
Android (android.graphics.Color)	4278825303 (0xFF09B157)
YUV	116.5080, -14.5474, -94.2845
Hunter-Lab	56.7367, -44.0588, 24.7669

# Details

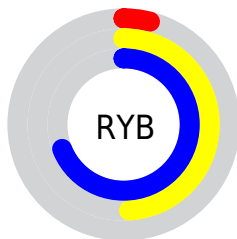
The Hex color **09B157** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **B10963**, and the grayscale version is **757575**.

A 20% lighter version of the original color is **60EA8A**, and **007B26** is the 20% darker color. If you saturate the color by 10%, you get **00B152**, and if you desaturate by 10%, it is **1BB160**.

# Distribution



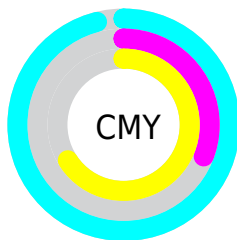
- Red (4%)
- Green (69%)
- Blue (34%)



- Red (4%)
- Yellow (49%)
- Blue (69%)



- Cyan (95%)
- Magenta (0%)
- Yellow (51%)
- Black (31%)



- Cyan (96%)
- Magenta (31%)
- Yellow (66%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 09B157 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 09B157 by changing the saturation by 10% instead.



 09B157

 09B157

FFFFFF

 00963E

 60EA8A

 007B26

 7FFFA5

 00610C

 9DFFC1

 004700

 BBFFDD

 003100

 D9FFFA

 001500

 F7FFFF

 000000

 09B157

 09B157

 00B152

 1BB160

 2CB16A

 3EB173

 50B17D

 62B186

 73B190

 85B199

 97B1A3

 A8B1AC

# Harmonies

## Analogous

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



7EA71F



09B157



00B695

# Triad

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



09B157



00A2FF



FF6564

# Complementary

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



09B157



B10963

# 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.



FF5D9F



09B157



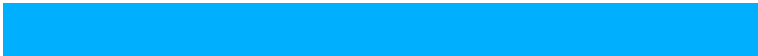
938BFF

# Square

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



09B157



00B0FF



DF6FDA



E87E2F

# Rectangle

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



09B157



00B6BF



DF6FDA



FF6077



# Sweetspot

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



09B157



A5E6C3



65B109



4C735E



F2F2F2



737373



# Same Dimension

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



09B157



00E66B



09B1A9



505954



009947



001A0C



# Inverse Universe

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



B10963



E6007B



B10911



595055



990052



1A000E



# Previews

## White Background



This preview shows how the Hex color 09B157 looks on a white background.

## Color Contrast Check

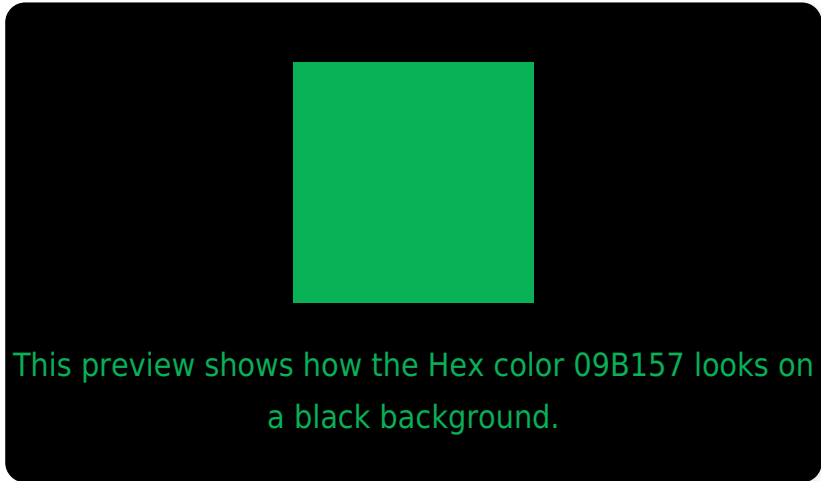
Large Text (above 18pt) WCAG AA × Fail

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 09B157 Background



This preview shows how black text looks on a background with the Hex color 09B157.

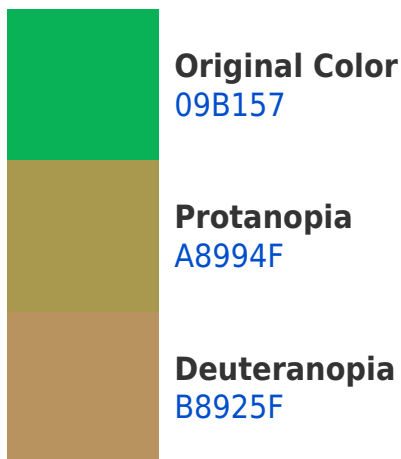


This preview shows how white text looks on a background with the Hex color 09B157.

# 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**  
44A7B4

# Trichromacy



**Original Color**  
09B157



**Protanomaly**  
6EA252



**Deuteranomaly**  
789D5C



**Tritanomaly**  
2FAB92

# Monochromacy



**Original Color**  
09B157



**Achromatopsia**  
757575



**Achromatomaly**  
4E8B6A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 09B157 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 #09B157 looks like.

```
.text, #text, p{  
    color:#09B157  
}
```

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 #09B157 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #09B157
}
```

## Border

The CSS property to change the border of an element to Hex 09B157 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
#09B157 }
```

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

```
.border{ border-color:#09B157 }
```

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

Here you see how a box with a 4 pixel #09B157 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #09B157; -webkit-box-shadow:4px 4px  
4px 4px #09B157; box-shadow:4px 4px 4px  
4px #09B157 }
```

# Background

The CSS property to change the background color of an element to Hex 09B157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#09B157 }
```

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

```
.background{ background-color:#09B157 }
```

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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