

# Converting Colors

Hex(0B9307)

Have a look what the booklet for  
Hex(0B9307) contains.

<b>Hex(0B9307)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(0B9307)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0B9307
RGB	11, 147, 7
RGB Percent	4%, 58%, 3%
CMY	0.9569, 0.4235, 0.9725
CMYK	0.93, 0.00, 0.95, 0.42
HSL	118°, 91%, 30%
HSV	118°, 95%, 58%
XYZ	10.6101, 20.9539, 3.6863
YIQ	90.3760, -36.1160, -72.3720

# Conversions

## Conversions Part 2

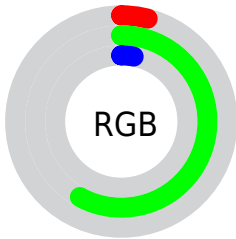
<b>Format</b>	<b>Color</b>
<b>RYB</b>	7, 147, 143
Decimal	758535
CIELab	52.90, -56.23, 54.09
CIELCh	53, 78.023, 136.111
Yxy	20.9539, 0.3010, 0.5944
Android (android.graphics.Color)	4278948615 (0xFF0B9307)
YUV	90.3760, -41.1044, -69.6128
Hunter-Lab	45.7755, -38.7334, 27.2682

# Details

The Hex color **0B9307** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **8F0793**, and the grayscale version is **5B5B5B**.

A 20% lighter version of the original color is **5ACA47**, and **005F00** is the 20% darker color. If you saturate the color by 10%, you get **049300**, and if you desaturate by 10%, it is **199316**.

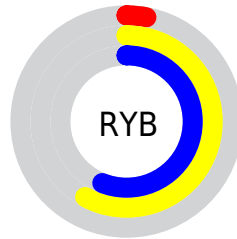
# Distribution



Red (4%)

Green (58%)

Blue (3%)



Red (3%)

Yellow (58%)

Blue (56%)

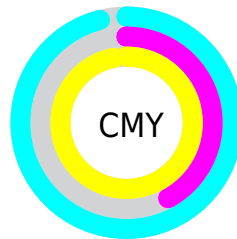


Cyan (93%)

Magenta (0%)

Yellow (95%)

Black (42%)



Cyan (96%)

Magenta (42%)

Yellow (97%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 0B9307 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 0B9307 by changing the saturation by 10% instead.



 0B9307

 0B9307

FFFFFF

 007800

 5ACA47

 005F00

 78E762

 004600

 96FF7D

 003000

 B3FF98

 001200

 D1FFB4

 000000

 EFFF00

 FFFF00

 0B9307

 0B9307

■ 049300

■ 199316

■ 289324

■ 369333

■ 449342

■ 529351

■ 61935F

■ 6F936E

■ 7D937D

■ 8C938B

# Harmonies

## Analogous

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



788600



0B9307



00995C

# Triad

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



0B9307



008FFF



F1265E

# Complementary

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



0B9307



8F0793

# 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.



E42DA0



0B9307



007AFF

# Square

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



0B9307



0099DF



AC58DC



DE4E1B

# Rectangle

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



0B9307



009B8B



AC58DC



F11F74



# Sweetspot

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



0B9307



89BF88



938E07



40613F



E0E0E0



616161



# Same Dimension

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



0B9307



05BF00



079348



434A43



048A00



000A00



# Inverse Universe

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



8F0793



BA00BF



930752



4A434A



86008A

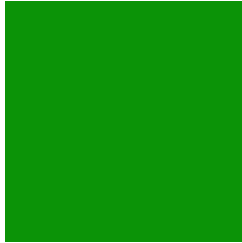


0A000A



# Previews

## White Background



This preview shows how the Hex color 0B9307 looks on a white background.

## Color Contrast Check

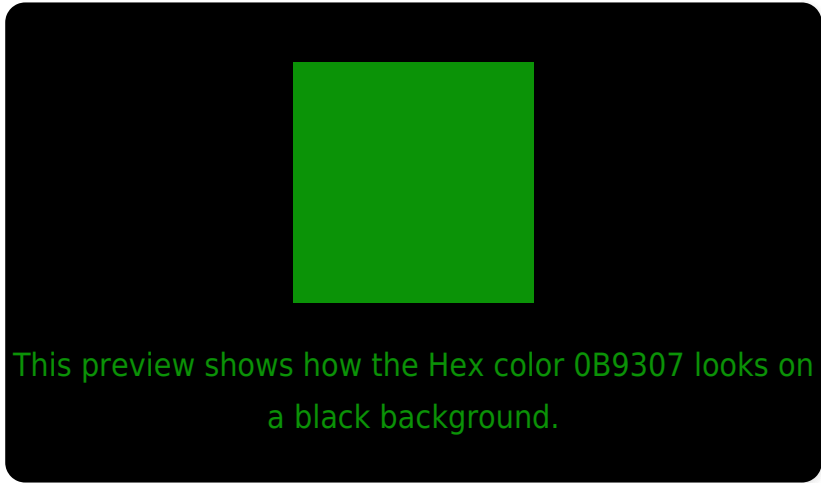
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

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



## Hex 0B9307 Background



This preview shows how black text looks on a background with the Hex color 0B9307.



This preview shows how white text looks on a background with the Hex color 0B9307.

# 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



**Original Color**  
0B9307

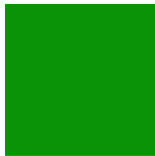
**Protanopia**  
8E7E00

**Deuteranopia**  
9E7720



**Tritanopia**  
3E8994

# Trichromacy



**Original Color**  
0B9307



**Protanomaly**  
5E8603



**Deuteranomaly**  
698117



**Tritanomaly**  
2B8D61

# Monochromacy



**Original Color**  
0B9307



**Achromatopsia**  
5A5A5A



**Achromatomaly**  
3D6F3C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0B9307 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 #0B9307 looks like.

```
.text, #text, p{  
    color:#0B9307  
}
```

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 #0B9307 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0B9307
}
```

## Border

The CSS property to change the border of an element to Hex 0B9307 is called "border". The border property can be set on classes, ids or directly on the HTML element.

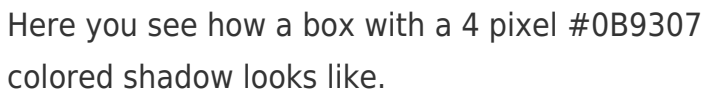
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#0B9307 }
```

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

```
.border{ border-color:#0B9307 }
```

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



Here you see how a box with a 4 pixel #0B9307 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0B9307; -webkit-box-shadow:4px 4px  
4px 4px #0B9307; box-shadow:4px 4px 4px  
4px #0B9307 }
```

# Background

The CSS property to change the background color of an element to Hex 0B9307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0B9307 }
```

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

```
.background{ background-color:#0B9307 }
```

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