

# Converting Colors

Hex(309C13)

Have a look what the booklet for  
Hex(309C13) contains.

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**Color**

**Hex(309C13)**

# Conversions

## Conversions Part 1

Format	Color
Hex	309C13
RGB	48, 156, 19
RGB Percent	19%, 61%, 7%
CMY	0.8118, 0.3882, 0.9255
CMYK	0.69, 0.00, 0.88, 0.39
HSL	107°, 78%, 34%
HSV	107°, 88%, 61%
XYZ	13.2249, 24.4523, 4.6388
YIQ	108.0900, -20.3910, -65.5030

# Conversions

## Conversions Part 2

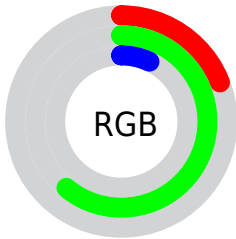
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	19, 156, 127
Decimal	3185683
CIE <sub>Lab</sub>	56.54, -53.57, 55.21
CIE <sub>LCh</sub>	57, 76.930, 134.135
Yxy	24.4523, 0.3125, 0.5778
Android (android.graphics.Color)	4281375763 (0xFF309C13)
YUV	108.0900, -43.9214, -52.6989
Hunter-Lab	49.4493, -38.7975, 29.0525

# Details

The Hex color **309C13** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **7F139C**, and the grayscale version is **6D6D6D**.

A 20% lighter version of the original color is **6ED44F**, and **006700** is the 20% darker color. If you saturate the color by 10%, you get **249C03**, and if you desaturate by 10%, it is **3C9C23**.

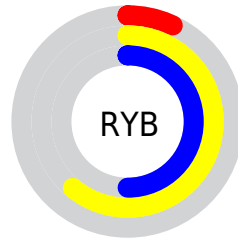
# Distribution



Red (19%)

Green (61%)

Blue (7%)



Red (7%)

Yellow (61%)

Blue (50%)

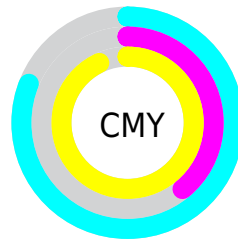


Cyan (69%)

Magenta (0%)

Yellow (88%)

Black (39%)



Cyan (81%)

Magenta (39%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 309C13 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 309C13 by changing the saturation by 10% instead.





309C13



309C13

FFFFFF



008100



6ED44F



006700



8BF069



004E00



A9FF84



003600



C6FFA0



001F00



E4FFBC



000000



FFFFD9



FFFFF6



309C13



309C13

■ 249C03

■ 3C9C23

■ 219C00

■ 499C32

■ 559C42

■ 619C51

■ 6D9C61

■ 7A9C71

■ 869C80

■ 929C90

■ 9F9C9F

# Harmonies

## Analogous

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



878E00



309C13



00A360

# Triad

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



309C13



0099FF



FC376B

# Complementary

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



309C13



7F139C

# 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.



EC3FAE



309C13



0085FF

# Square

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



309C13



00A3E4



B165E9



EA562B

# Rectangle

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



309C13



00A58F



B165E9



FB3381



# Sweetspot

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



309C13



A2CC97



9C7E13



4D6646



E6E6E6



666666



# Same Dimension

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



309C13



2BCC00



139C3A



494F47



1E8F00



030F00



# Inverse Universe

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



7F139C



A100CC



9C1375



4D474F



71008F

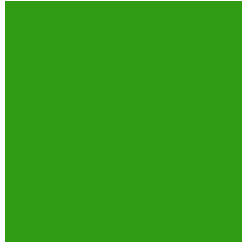


0C000F



# Previews

## White Background



This preview shows how the Hex color 309C13 looks on a white background.

## Color Contrast Check

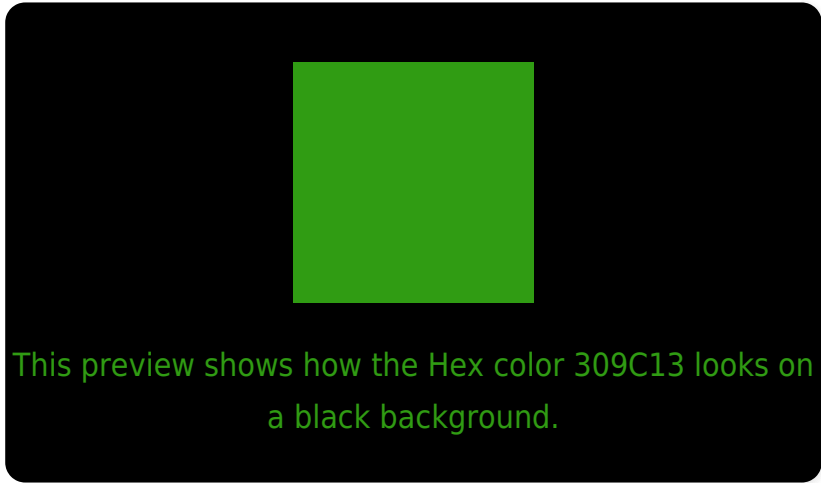
Large Text (above 18pt) WCAG AA ✓ Pass

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

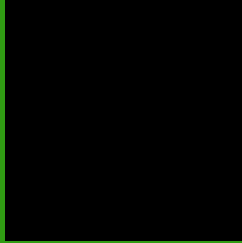
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 309C13 Background



This preview shows how black text looks on a background with the Hex color 309C13.



This preview shows how white text looks on a background with the Hex color 309C13.

# 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**  
309C13

**Protanopia**  
98870B

**Deuteranopia**  
A98025



**Tritanopia**  
4F919D

# Trichromacy



**Original Color**  
309C13



**Protanomaly**  
728F0E



**Deuteranomaly**  
7D8A1E



**Tritanomaly**  
44956B

# Monochromacy



**Original Color**  
309C13



**Achromatopsia**  
6C6C6C



**Achromatomaly**  
567D4C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 309C13 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 #309C13 looks like.

```
.text, #text, p{  
    color:#309C13  
}
```

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 #309C13 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #309C13
}
```

## Border

The CSS property to change the border of an element to Hex 309C13 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
#309C13 }
```

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

```
.border{ border-color:#309C13 }
```

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

Here you see how a box with a 4 pixel #309C13 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #309C13; -webkit-box-shadow:4px 4px  
4px 4px #309C13; box-shadow:4px 4px 4px  
4px #309C13 }
```

# Background

The CSS property to change the background color of an element to Hex 309C13 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#309C13 }
```

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

```
.background{ background-color:#309C13 }
```

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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