

# Converting Colors

Hex(309100)

Have a look what the booklet for  
Hex(309100) contains.

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**Color**

**Hex(309100)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	309100
RGB	48, 145, 0
RGB Percent	19%, 57%, 0%
CMY	0.8118, 0.4314, 1.0000
CMYK	0.67, 0.00, 1.00, 0.43
HSL	100°, 100%, 28%
HSV	100°, 100%, 57%
XYZ	11.3443, 20.8792, 3.4322
YIQ	99.4670, -11.2670, -65.6590

# Conversions

## Conversions Part 2

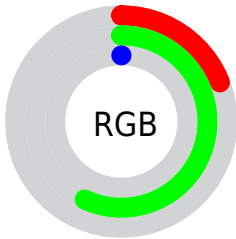
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 145, 97
Decimal	3182848
CIELab	52.82, -50.45, 55.47
CIELCh	53, 74.980, 132.284
Yxy	20.8792, 0.3182, 0.5856
Android (android.graphics.Color)	4281372928 (0xFF309100)
YUV	99.4670, -49.0372, -45.1366
Hunter-Lab	45.6937, -35.6481, 27.5322

# Details

The Hex color **309100** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **610091**, and the grayscale version is **646464**.

A 20% lighter version of the original color is **6DC844**, and **005D00** is the 20% darker color. If you saturate the color by 10%, you get **309100**, and if you desaturate by 10%, it is **3A910E**.

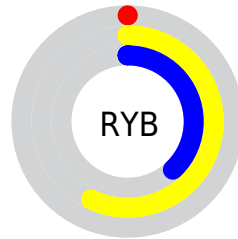
# Distribution



Red (19%)

Green (57%)

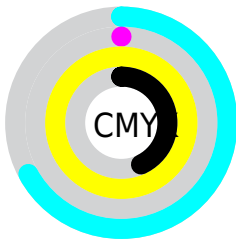
Blue (0%)



Red (0%)

Yellow (57%)

Blue (38%)

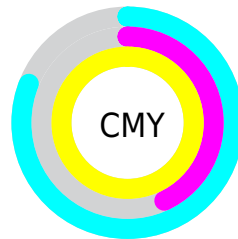


Cyan (67%)

Magenta (0%)

Yellow (100%)

Black (43%)



Cyan (81%)

Magenta (43%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 309100 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 309100 by changing the saturation by 10% instead.



 309100

 309100

FFFFFF

 007700

 6DC844

 005D00

 89E45F

 004400

 A6FF7A

 002E00

 C3FF95

 001200

 E1FFB1

 000000

 FFFFCE

 FFFFEB


 309100

 3A910E

 43911D

 4D912C

 57913A

 619149

 6A9157

 749166

 7E9174

 879183

# Harmonies

## Analogous

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



808400



309100



009854

# Triad

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



309100



0090FA



EE2C67

# Complementary

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



309100



610091

# 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.



DC39A7



309100



007DFE

# Square

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



309100



0098D4



A05FDF



DE4C28

# Rectangle

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



309100



009A81



A05FDF



EC297C



# Sweetspot

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



309100



97BD84



916100



485E3C



DEDEDE



5E5E5E



# Same Dimension

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



309100



3EBD00



009118



434740



2D8700



030800



# Inverse Universe

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



610091



7E00BD



910079



454047



5A0087

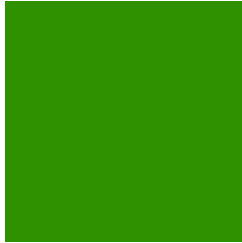


050008



# Previews

## White Background



This preview shows how the Hex color 309100 looks on a white background.

## Color Contrast Check

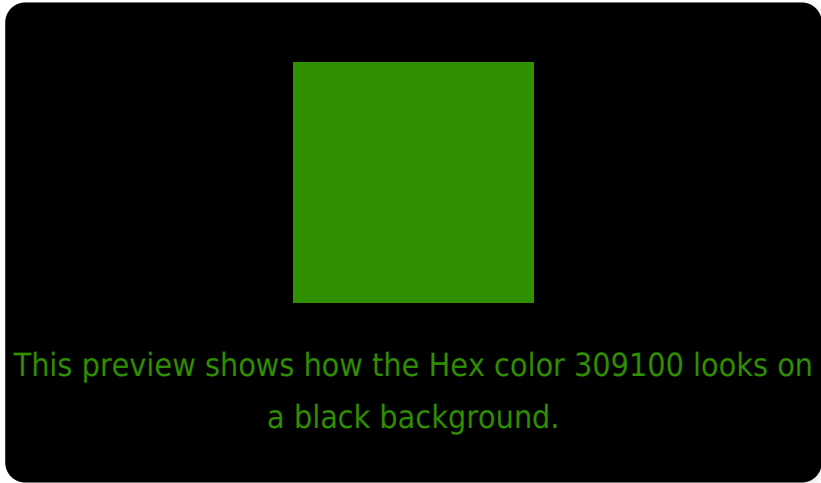
Large Text (above 18pt) WCAG AA ✓ Pass

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

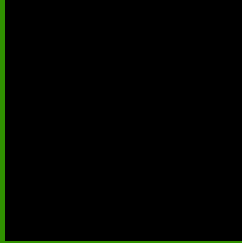
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 309100 Background



This preview shows how black text looks on a background with the Hex color 309100.



This preview shows how white text looks on a background with the Hex color 309100.

# 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**  
309100

**Protanopia**  
8D7E00

**Deuteranopia**  
9E771F



**Tritanopia**  
4B8792

# Trichromacy



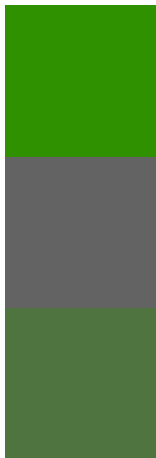
**Original Color**  
309100

**Protanomaly**  
6B8500

**Deuteranomaly**  
768014

**Tritanomaly**  
418B5D

# Monochromacy



**Original Color**  
309100

**Achromatopsia**  
636363

**Achromatomaly**  
50743F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 309100 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 #309100 looks like.

```
.text, #text, p{  
    color:#309100  
}
```

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 #309100 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #309100
}
```

## Border

The CSS property to change the border of an element to Hex 309100 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
#309100 }
```

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

```
.border{ border-color:#309100 }
```

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

Here you see how a box with a 4 pixel #309100 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #309100; -webkit-box-shadow:4px 4px  
4px 4px #309100; box-shadow:4px 4px 4px  
4px #309100 }
```

# Background

The CSS property to change the background color of an element to Hex 309100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#309100 }
```

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

```
.background{ background-color:#309100 }
```

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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