

# Converting Colors

Hex(309940)

Have a look what the booklet for  
Hex(309940) contains.

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**Color**

**Hex(309940)**

# Conversions

## Conversions Part 1

Format	Color
Hex	309940
RGB	48, 153, 64
RGB Percent	19%, 60%, 25%
CMY	0.8118, 0.4000, 0.7490
CMYK	0.69, 0.00, 0.58, 0.40
HSL	129°, 52%, 39%
HSV	129°, 69%, 60%
XYZ	13.5356, 23.7810, 8.7273
YIQ	111.4590, -34.0110, -49.9390

# Conversions

## Conversions Part 2

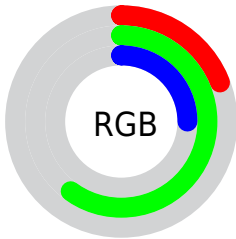
<b>Format</b>	<b>Color</b>
<b>RYB</b>	48, 139, 153
Decimal	3184960
CIELab	55.87, -48.67, 37.68
CIELCh	56, 61.550, 142.255
Yxy	23.7810, 0.2940, 0.5165
Android (android.graphics.Color)	4281375040 (0xFF309940)
YUV	111.4590, -23.3973, -55.6535
Hunter-Lab	48.7658, -35.7951, 23.5253

# Details

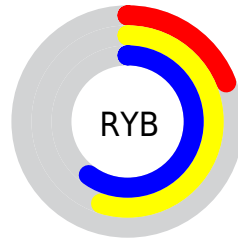
The Hex color **309940** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **993089**, and the grayscale version is **707070**.

A 20% lighter version of the original color is **6CD072**, and **00650D** is the 20% darker color. If you saturate the color by 10%, you get **219933**, and if you desaturate by 10%, it is **3F994D**.

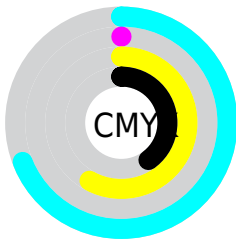
# Distribution



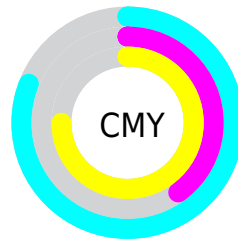
- Red (19%)
- Green (60%)
- Blue (25%)



- Red (19%)
- Yellow (55%)
- Blue (60%)



- Cyan (69%)
- Magenta (0%)
- Yellow (58%)
- Black (40%)



- Cyan (81%)
- Magenta (40%)
- Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 309940 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 309940 by changing the saturation by 10% instead.





309940



309940

FFFFFF



007E27



6CD072



00650D



88ED8D



004C00



A5FFA8



003400



C2FFC3



001D00



DFFFDF



000000



FDFFFC



309940



309940



219933



3F994D

 119926

 4F995A

 029919

 5E9967

 009917

 6D9974

 7D9981

 8C998E

 9B999B

 AA99A8

 BA99B5

# Harmonies

## Analogous

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



7A8F0F



309940



009E76

# Triad

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



309940



0090F0



E55461

# Complementary

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



309940



993089

# 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.



DE5296



309940



6A7EE9

# Square

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



309940



009BDA



B965C8



D16831

# Rectangle

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



309940



009F9B



B965C8



E65072



# Sweetspot

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



309940



9DC7A3



899930



4B634E



E3E3E3



636363



# Same Dimension

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



309940



24C73D



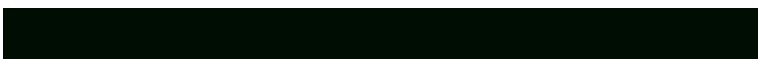
309974



454D46



008C15



000D02



# Inverse Universe

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



993089



C724AE



993055



4D454B



8C0077



0D000B



# Previews

## White Background



This preview shows how the Hex color 309940 looks on a white background.

## Color Contrast Check

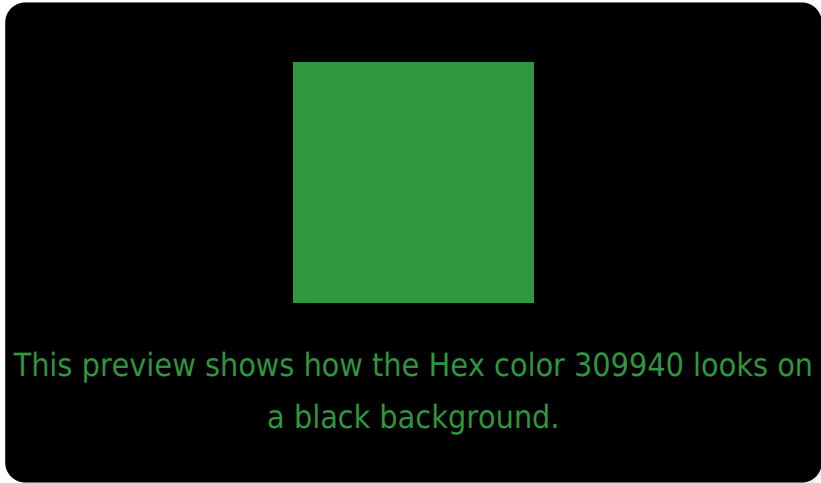
Large Text (above 18pt) WCAG AA ✓ Pass

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

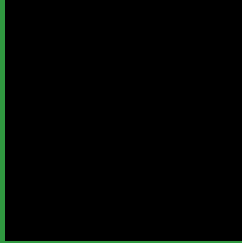
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 309940 Background



This preview shows how black text looks on a background with the Hex color 309940.

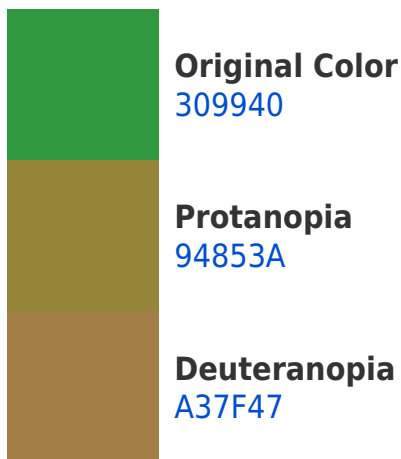


This preview shows how white text looks on a background with the Hex color 309940.

# 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**  
4B909B

# Trichromacy



**Original Color**

309940



**Protanomaly**

708C3C



**Deuteranomaly**

798844



**Tritanomaly**

41937A

# Monochromacy



**Original Color**

309940



**Achromatopsia**

6F6F6F



**Achromatomaly**

587E5E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 309940 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 #309940 looks like.

```
.text, #text, p{  
    color:#309940  
}
```

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 #309940 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #309940
}
```

## Border

The CSS property to change the border of an element to Hex 309940 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
#309940 }
```

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

```
.border{ border-color:#309940 }
```

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

Here you see how a box with a 4 pixel #309940 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #309940; -webkit-box-shadow:4px 4px  
4px 4px #309940; box-shadow:4px 4px 4px  
4px #309940 }
```

# Background

The CSS property to change the background color of an element to Hex 309940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#309940 }
```

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

```
.background{ background-color:#309940 }
```

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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