

# Converting Colors

Hex(318108)

Have a look what the booklet for  
Hex(318108) contains.

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**Color**

**Hex(318108)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	318108
RGB	49, 129, 8
RGB Percent	19%, 51%, 3%
CMY	0.8078, 0.4941, 0.9686
CMYK	0.62, 0.00, 0.94, 0.49
HSL	100°, 88%, 27%
HSV	100°, 94%, 51%
XYZ	9.1607, 16.3710, 2.9068
YIQ	91.2860, -8.8390, -54.5910

# Conversions

## Conversions Part 2

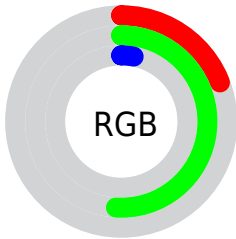
<b>Format</b>	<b>Color</b>
<b>RYB</b>	8, 129, 88
Decimal	3244296
CIELab	47.46, -44.28, 49.63
CIELCh	47, 66.515, 131.736
Yxy	16.3710, 0.3221, 0.5757
Android (android.graphics.Color)	4281434376 (0xFF318108)
YUV	91.2860, -41.0600, -37.0848
Hunter-Lab	40.4611, -30.3932, 24.0632

# Details

The Hex color **318108** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **580881**, and the grayscale version is **5C5C5C**.

A 20% lighter version of the original color is **6AB744**, and **004E00** is the 20% darker color. If you saturate the color by 10%, you get **2C8100**, and if you desaturate by 10%, it is **3A8115**.

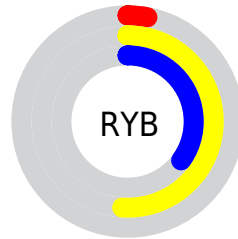
# Distribution



Red (19%)

Green (51%)

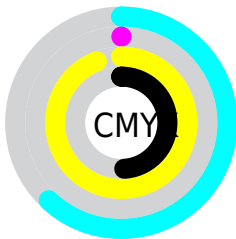
Blue (3%)



Red (3%)

Yellow (51%)

Blue (35%)

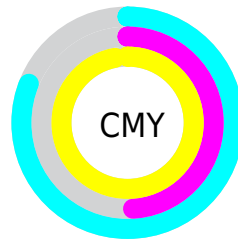


Cyan (62%)

Magenta (0%)

Yellow (94%)

Black (49%)



Cyan (81%)

Magenta (49%)


Yellow (97%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 318108 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 318108 by changing the saturation by 10% instead.



 318108

 318108

FFFFFF

 0B6700

 6AB744

 004E00

 86D35E

 003700

 A2EF79

 002100


 BFFF93

 000000

 DCFFAF

 F9FFCB

 FFFFE8

 318108

 318108

■ 2C8100

■ 3A8115

■ 428122

■ 4B812F

■ 53813C

■ 5C8148

■ 648155

■ 6D8162

■ 75816F

■ 7E817C

# Harmonies

## Analogous

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



747500



318108



00874B

# Triad

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



318108



0080DC



D22D5D

# Complementary

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



318108



580881

# 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.



C23795



318108



0070DF

# Square

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



318108



0088BA



8D56C5



C54527

# Rectangle

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



318108



008972



8D56C5



D02B70



# Sweetspot

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



318108



89A879



815708



415438



D4D4D4



545454



# Same Dimension

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



318108



39A800



08811A



3C4039



2B8000



000000



# Inverse Universe

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



580881



6F00A8



81086F



3E3940



540080

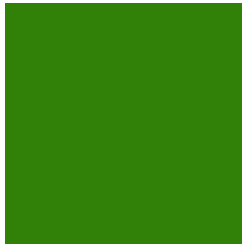


000000



# Previews

## White Background



This preview shows how the Hex color 318108 looks on a white background.

## Color Contrast Check

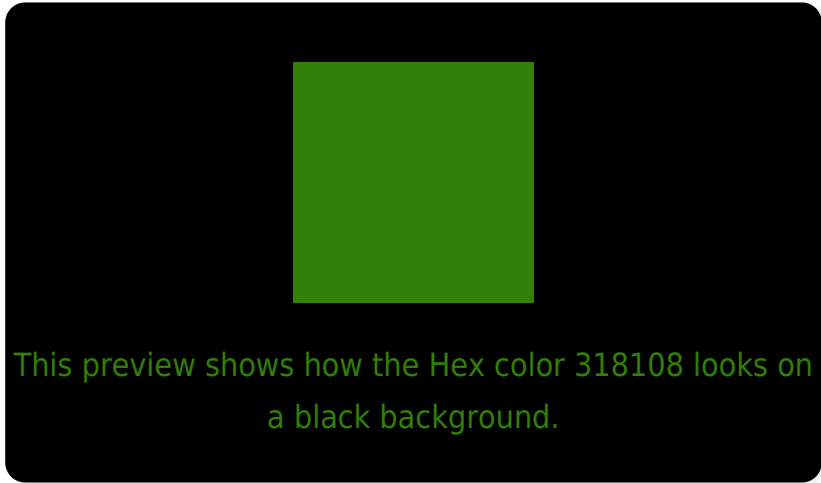
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

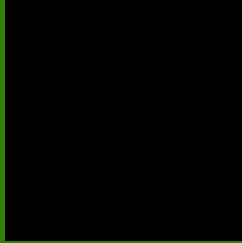
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 318108 Background



This preview shows how black text looks on a background with the Hex color 318108.



This preview shows how white text looks on a background with the Hex color 318108.

# 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**  
318108

**Protanopia**  
7E7000

**Deuteranopia**  
8D6A1C



**Tritanopia**  
477882

# Trichromacy



**Original Color**  
318108

**Protanomaly**  
627603

**Deuteranomaly**  
6C7215

**Tritanomaly**  
3F7B56

# Monochromacy



**Original Color**  
318108

**Achromatopsia**  
5B5B5B

**Achromatomaly**  
4C693D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 318108 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 #318108 looks like.

```
.text, #text, p{  
    color:#318108  
}
```

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 #318108 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #318108
}
```

## Border

The CSS property to change the border of an element to Hex 318108 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
#318108 }
```

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

```
.border{ border-color:#318108 }
```

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

Here you see how a box with a 4 pixel #318108 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #318108; -webkit-box-shadow:4px 4px  
4px 4px #318108; box-shadow:4px 4px 4px  
4px #318108 }
```

# Background

The CSS property to change the background color of an element to Hex 318108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#318108 }
```

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

```
.background{ background-color:#318108 }
```

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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