

# Converting Colors

Hex(318B31)

Have a look what the booklet for  
Hex(318B31) contains.

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**Color**

**Hex(318B31)**

# Conversions

## Conversions Part 1

Format	Color
Hex	318B31
RGB	49, 139, 49
RGB Percent	19%, 55%, 19%
CMY	0.8078, 0.4549, 0.8078
CMYK	0.65, 0.00, 0.65, 0.45
HSL	120°, 48%, 37%
HSV	120°, 65%, 55%
XYZ	11.0536, 19.3400, 6.0561
YIQ	101.8300, -24.7500, -47.0700

# Conversions

## Conversions Part 2

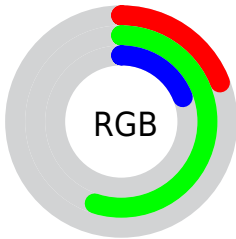
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	49, 139, 139
Decimal	3246897
CIE Lab	51.08, -45.09, 39.32
CIE LCh	51, 59.825, 138.915
Yxy	19.3400, 0.3033, 0.5306
Android (android.graphics.Color)	4281436977 (0xFF318B31)
YUV	101.8300, -26.0452, -46.3319
Hunter-Lab	43.9772, -32.0944, 22.6192

# Details

The Hex color **318B31** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **8B318B**, and the grayscale version is **666666**.

A 20% lighter version of the original color is **6AC163**, and **005800** is the 20% darker color. If you saturate the color by 10%, you get **238B23**, and if you desaturate by 10%, it is **3F8B3F**.

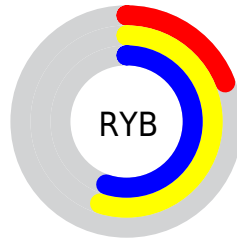
# Distribution



Red (19%)

Green (55%)

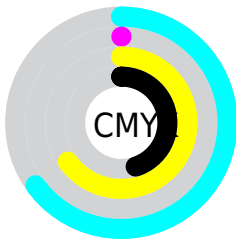
Blue (19%)



Red (19%)

Yellow (55%)

Blue (55%)

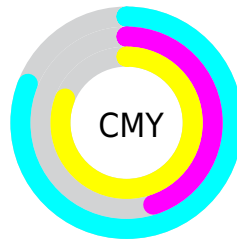


Cyan (65%)

Magenta (0%)

Yellow (65%)

Black (45%)



Cyan (81%)

Magenta (45%)

Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 318B31 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 318B31 by changing the saturation by 10% instead.





318B31



318B31

FFFFFF



097117



6AC163



005800



86DE7D



003F00



A2FB97



002A00



BFFFB3



000700



DCFFCF



000000



F9FFE8



318B31



318B31



238B23



3F8B3F

■ 158B15

■ 4D8B4D

■ 078B07

■ 5B8B5B

■ 008B00

■ 698B69

■ 768B76

■ 848B84

■ 928B92

■ A08BA0

■ AE8BAE

# Harmonies

## Analogous

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



738100



318B31



009064

# Triad

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



318B31



0085DE



D4475C

# Complementary

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



318B31



8B318B

# 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.



CB488F



318B31



5074DB

# Square

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



318B31



008EC6



A45DBD



C45B2D

# Rectangle

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



318B31



009188



A45DBD



D4446D



# Sweetspot

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



318B31



93B593



8B8B31



475C47



DBDBDB



5C5C5C



# Same Dimension

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



318B31



28B528



318B5E



3E453E



008500



000500



# Inverse Universe

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



8B318B



B528B5



8B315E



453E45



850085



050005



# Previews

## White Background



This preview shows how the Hex color 318B31 looks on a white background.

## Color Contrast Check

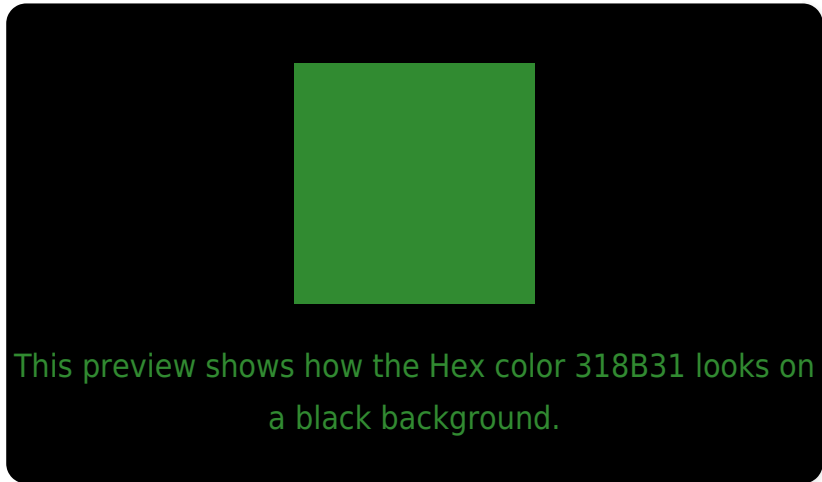
Large Text (above 18pt) WCAG AA ✓ Pass

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 318B31 Background



This preview shows how black text looks on a background with the Hex color 318B31.




This preview shows how white text looks on a background with the Hex color 318B31.

# 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](#).

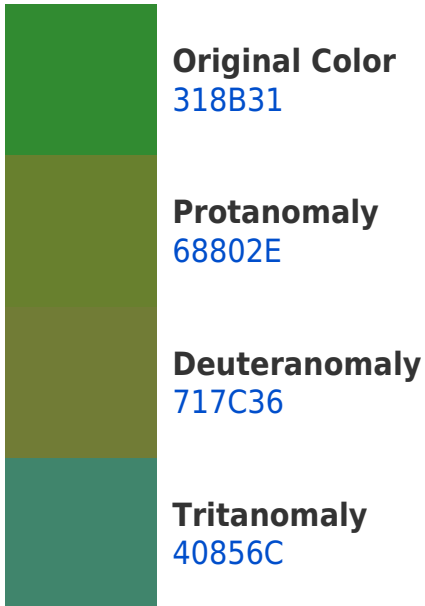
## Dichromacy





**Tritanopia**  
48828D

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 318B31 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 #318B31 looks like.

```
.text, #text, p{  
    color:#318B31  
}
```

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 #318B31 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #318B31
}
```

## Border

The CSS property to change the border of an element to Hex 318B31 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
#318B31 }
```

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

```
.border{ border-color:#318B31 }
```

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

Here you see how a box with a 4 pixel #318B31 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #318B31; -webkit-box-shadow:4px 4px  
4px 4px #318B31; box-shadow:4px 4px 4px  
4px #318B31 }
```

# Background

The CSS property to change the background color of an element to Hex 318B31 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#318B31 }
```

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

```
.background{ background-color:#318B31 }
```

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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