

# Converting Colors

Hex(158019)

Have a look what the booklet for  
Hex(158019) contains.

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# Color

**Hex(158019)**

# Conversions

## Conversions Part 1

Format	Color
Hex	158019
RGB	21, 128, 25
RGB Percent	8%, 50%, 10%
CMY	0.9176, 0.4980, 0.9020
CMYK	0.84, 0.00, 0.80, 0.50
HSL	122°, 72%, 29%
HSV	122°, 84%, 50%
XYZ	8.2039, 15.6680, 3.5115
YIQ	84.2650, -30.7090, -54.7170

# Conversions

## Conversions Part 2

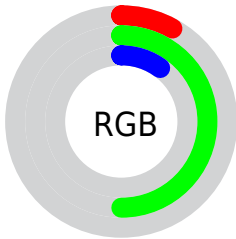
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	21, 124, 128
Decimal	1409049
CIE Lab	46.54, -48.58, 44.16
CIE LCh	47, 65.653, 137.731
Yxy	15.6680, 0.2996, 0.5722
Android (android.graphics.Color)	4279599129 (0xFF158019)
YUV	84.2650, -29.2176, -55.4834
Hunter-Lab	39.5828, -32.2741, 22.4481

# Details

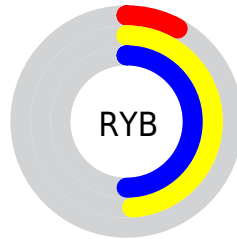
The Hex color **158019** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **80157C**, and the grayscale version is **555555**.

A 20% lighter version of the original color is **57B64D**, and **004D00** is the 20% darker color. If you saturate the color by 10%, you get **08800D**, and if you desaturate by 10%, it is **228025**.

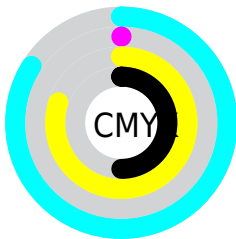
# Distribution



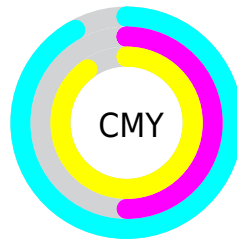
- Red (8%)
- Green (50%)
- Blue (10%)



- Red (8%)
- Yellow (49%)
- Blue (50%)



- Cyan (84%)
- Magenta (0%)
- Yellow (80%)
- Black (50%)



- Cyan (92%)
- Magenta (50%)
- Yellow (90%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 158019 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 158019 by changing the saturation by 10% instead.



 158019

 158019

FFFFFF

 006600

 57B64D

 004D00

 74D267

 003500

 90EF81

 001F00

 ADFF9C

 000000

 CAFFB8

 E7FFD4

 FFFFF1

 158019

 158019

■ 08800D

■ 228025

■ 008005

■ 2F8032

■ 3B803E

■ 48804A

■ 558057

■ 628063

■ 6F806F

■ 7B807C

■ 888088

# Harmonies

## Analogous

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



677600



158019



008555

# Triad

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



158019



007BDB



CE2F50

# Complementary

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



158019



80157C

# 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.



C43187



158019



296AD8

# Square

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



158019



0084BF



984EB9



BC4A1B

# Rectangle

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



158019



00867C



984EB9



CE2A62



# Sweetspot

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



158019



7CA67E



7C8015



3B543C



D4D4D4



545454



# Same Dimension

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



158019



00A606



15804E



39403A



008005



000000



# Inverse Universe

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



80157C



A600A0



801547



403940



80007B

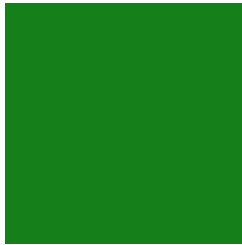


000000



# Previews

## White Background



This preview shows how the Hex color 158019 looks on a white background.

## Color Contrast Check

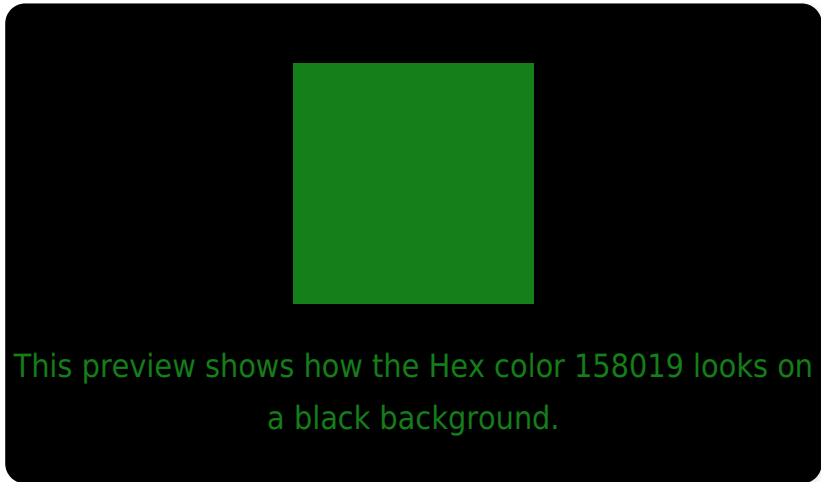
Large Text (above 18pt) WCAG AA ✓ Pass

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 158019 Background



This preview shows how black text looks on a background with the Hex color 158019.



This preview shows how white text looks on a background with the Hex color 158019.

# 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**  
158019

**Protanopia**  
7C6E14

**Deuteranopia**  
896824



**Tritanopia**  
387781

# Trichromacy



**Original Color**  
158019



**Protanomaly**  
577516



**Deuteranomaly**  
5F7120



**Tritanomaly**  
2B7A5B

# Monochromacy



**Original Color**  
158019



**Achromatopsia**  
545454



**Achromatomaly**  
3D643F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 158019 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 #158019 looks like.

```
.text, #text, p{  
    color:#158019  
}
```

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 #158019 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #158019
}
```

## Border

The CSS property to change the border of an element to Hex 158019 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
#158019 }
```

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

```
.border{ border-color:#158019 }
```

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

Here you see how a box with a 4 pixel #158019 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #158019; -webkit-box-shadow:4px 4px  
4px 4px #158019; box-shadow:4px 4px 4px  
4px #158019 }
```

# Background

The CSS property to change the background color of an element to Hex 158019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#158019 }
```

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

```
.background{ background-color:#158019 }
```

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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