

# Converting Colors

Hex(12C11F)

Have a look what the booklet for  
Hex(12C11F) contains.

<b>Hex(12C11F)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

Hex(12C11F)

# Conversions

## Conversions Part 1

Format	Color
Hex	12C11F
RGB	18, 193, 31
RGB Percent	7%, 76%, 12%
CMY	0.9294, 0.2431, 0.8784
CMYK	0.91, 0.00, 0.84, 0.24
HSL	124°, 83%, 41%
HSV	124°, 91%, 76%
XYZ	19.5667, 38.3675, 7.6707
YIQ	122.2070, -52.2980, -87.4820

# Conversions

## Conversions Part 2

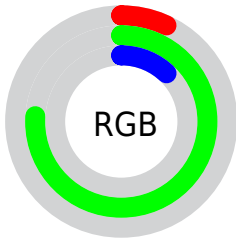
<b>Format</b>	<b>Color</b>
<b>RYB</b>	18, 181, 193
Decimal	1229087
CIELab	68.29, -68.09, 62.73
CIElCh	68, 92.579, 137.347
Yxy	38.3675, 0.2983, 0.5848
Android (android.graphics.Color)	4279419167 (0xFF12C11F)
YUV	122.2070, -44.9651, -91.3895
Hunter-Lab	61.9415, -52.0111, 36.0167

# Details

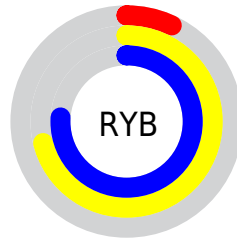
The Hex color **12C11F** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **C112B4**, and the grayscale version is **7B7B7B**.

A 20% lighter version of the original color is **69FB5C**, and **008A00** is the 20% darker color. If you saturate the color by 10%, you get **00C10E**, and if you desaturate by 10%, it is **25C131**.

# Distribution



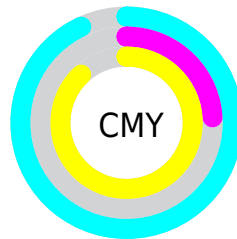
- Red (7%)
- Green (76%)
- Blue (12%)



- Red (7%)
- Yellow (71%)
- Blue (76%)



- Cyan (91%)
- Magenta (0%)
- Yellow (84%)
- Black (24%)



- Cyan (93%)
- Magenta (24%)
- Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 12C11F 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 12C11F by changing the saturation by 10% instead.



 12C11F

 12C11F

FFFFFF

 00A500

 69FB5C

 008A00

 89FF77

 006F00

 A8FF93

 005500

 C7FFB0

 003C00

 E6FFCC

 002400

 FFFFE9

 000000

 12C11F

 12C11F

 00C10E

 25C131

 39C143

 4CC155

 5FC166

 73C178

 86C18A

 99C19C

 ACC1AE

 C0C1C0

# Harmonies

## Analogous

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



9BB100



12C11F



00C97F

# Triad

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



12C11F



00BBFF



FF3F7A

# Complementary

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



12C11F



C112B4

# 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.



FF44CE



12C11F



22A0FF

# Square

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



12C11F



00C8FF



E475FF



FF6D28

# Rectangle

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



12C11F



00CBBA



E475FF



FF3796

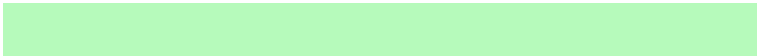


# Sweetspot

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



12C11F



B6FABB



B5C112



557D58



FCFCFC



7D7D7D



# Same Dimension

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



12C11F



00FA13



12C175



576158



00A10C



002102



# Inverse Universe

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



C112B4



FA00E7



C1125E



615760



A10095

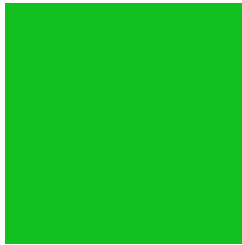


21001F



# Previews

## White Background



This preview shows how the Hex color 12C11F looks on a white background.

## Color Contrast Check

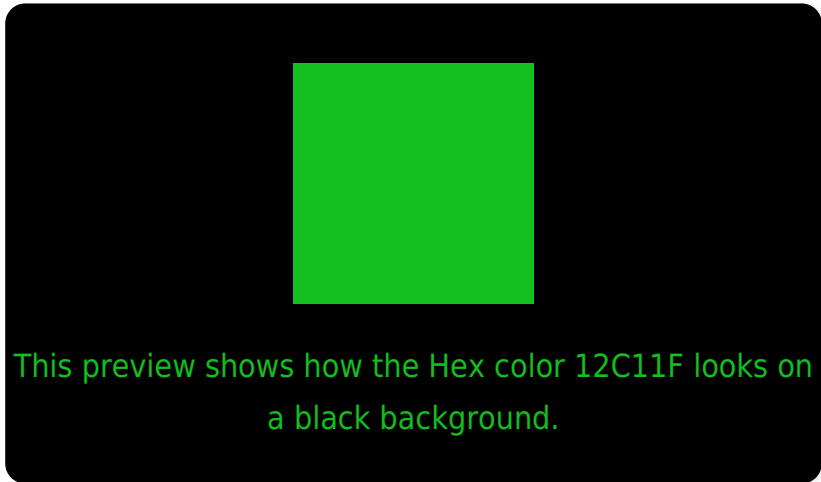
Large Text (above 18pt) WCAG AA × Fail

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 ✓ Pass

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



## Hex 12C11F Background



This preview shows how black text looks on a background with the Hex color 12C11F.

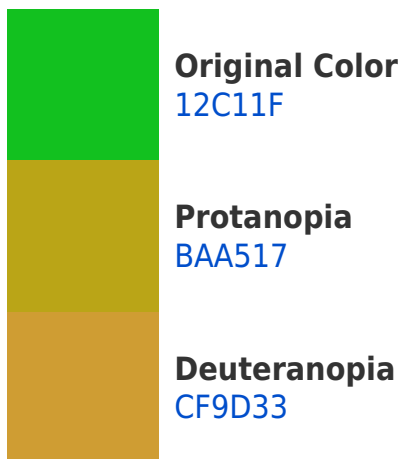


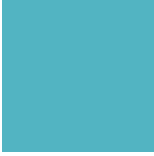
This preview shows how white text looks on a background with the Hex color 12C11F.

# 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](#).

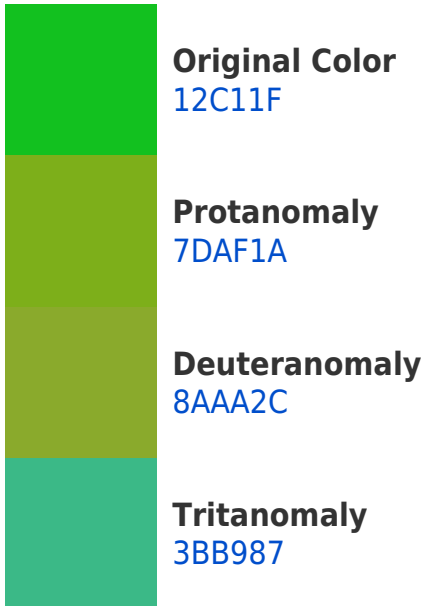
## Dichromacy



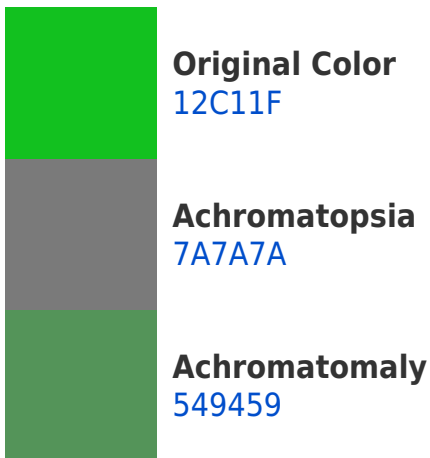


**Tritanopia**  
52B4C2

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 12C11F 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 #12C11F looks like.

```
.text, #text, p{  
    color:#12C11F  
}
```

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 #12C11F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12C11F
}
```

## Border

The CSS property to change the border of an element to Hex 12C11F 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
#12C11F }
```

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

```
.border{ border-color:#12C11F }
```

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

Here you see how a box with a 4 pixel #12C11F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12C11F; -webkit-box-shadow:4px 4px  
4px 4px #12C11F; box-shadow:4px 4px 4px  
4px #12C11F }
```

# Background

The CSS property to change the background color of an element to Hex 12C11F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12C11F }
```

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

```
.background{ background-color:#12C11F }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor