

# Converting Colors

Hex(12A51B)

Have a look what the booklet for  
Hex(12A51B) contains.

<b>Hex(12A51B)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

Hex(**12A51B**)

# Conversions

## Conversions Part 1

Format	Color
Hex	12A51B
RGB	18, 165, 27
RGB Percent	7%, 65%, 11%
CMY	0.9294, 0.3529, 0.8941
CMYK	0.89, 0.00, 0.84, 0.35
HSL	124°, 80%, 36%
HSV	124°, 89%, 65%
XYZ	13.9024, 27.1180, 5.5385
YIQ	105.3150, -43.3140, -74.0820

# Conversions

## Conversions Part 2

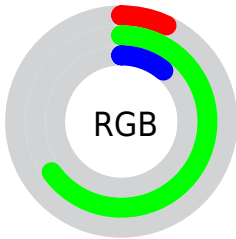
<b>Format</b>	<b>Color</b>
<b>RYB</b>	18, 157, 165
Decimal	1221915
CIELab	59.08, -60.19, 55.35
CIElCh	59, 81.772, 137.399
Yxy	27.1180, 0.2986, 0.5824
Android (android.graphics.Color)	4279411995 (0xFF12A51B)
YUV	105.3150, -38.6093, -76.5753
Hunter-Lab	52.0749, -43.4771, 30.1466

# Details

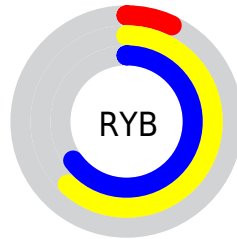
The Hex color **12A51B** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **A5129C**, and the grayscale version is **6A6A6A**.

A 20% lighter version of the original color is **61DD55**, and **006F00** is the 20% darker color. If you saturate the color by 10%, you get **01A50C**, and if you desaturate by 10%, it is **23A52A**.

# Distribution



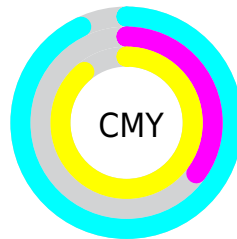
- Red (7%)
- Green (65%)
- Blue (11%)



- Red (7%)
- Yellow (62%)
- Blue (65%)



- Cyan (89%)
- Magenta (0%)
- Yellow (84%)
- Black (35%)



- Cyan (93%)
- Magenta (35%)
- Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 12A51B 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 12A51B by changing the saturation by 10% instead.





12A51B



12A51B

FFFFFF



008A00



61DD55



006F00



80FA70



005600



9EFF8B



003D00



BCFFA6



002600



DAFFC3



000000



F8FFDF



FFFFFFD



12A51B



12A51B

 01A50C

 23A52A

 00A50A

 33A53A

 43A549

 54A559

 65A568

 75A578

 85A587

 96A597

 A6A5A6

# Harmonies

## Analogous

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



859800



12A51B



00AB6C

# Triad

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



12A51B



00A0FF



FF3768

# Complementary

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



12A51B



A5129C

# 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.



FD3AB0



12A51B



2289FF

# Square

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



12A51B



00ABF7



C364F1



F45D21

# Rectangle

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



12A51B



00AD9F



C364F1



FF3080



# Sweetspot

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



12A51B



9CD6A0



9EA512



496B4B



EBEBEB



6B6B6B



# Same Dimension

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



12A51B



00D60D



12A563



49524A



009109



001201



# Inverse Universe

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



A5129C



D600C9



A51254



524951



910088

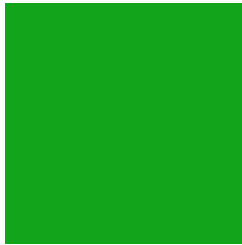


120011



# Previews

## White Background



This preview shows how the Hex color 12A51B looks on a white background.

## Color Contrast Check

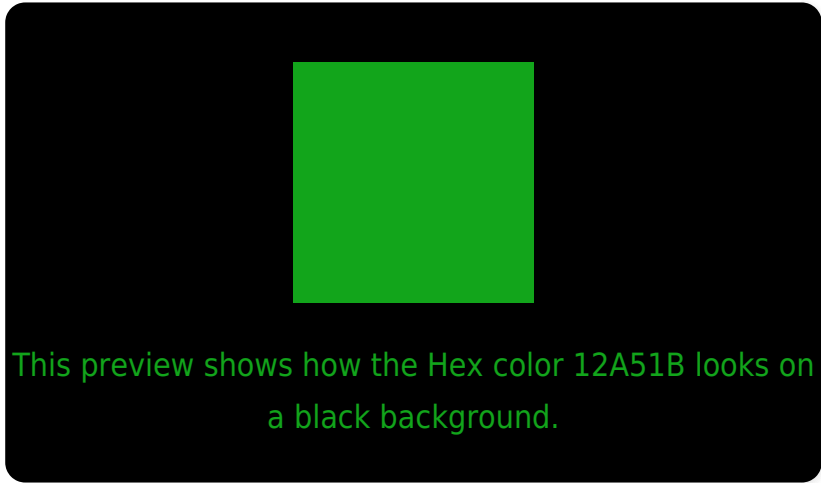
Large Text (above 18pt) WCAG AA ✓ Pass

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 12A51B Background



This preview shows how black text looks on a background with the Hex color 12A51B.



This preview shows how white text looks on a background with the Hex color 12A51B.

# 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**  
12A51B

**Protanopia**  
9F8E14

**Deuteranopia**  
B1862C



**Tritanopia**  
469AA6

# Trichromacy



**Original Color**  
12A51B



**Protanomaly**  
6C9617



**Deuteranomaly**  
779126



**Tritanomaly**  
339E73

# Monochromacy



**Original Color**  
12A51B



**Achromatopsia**  
696969



**Achromatomaly**  
497F4D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 12A51B 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 #12A51B looks like.

```
.text, #text, p{  
    color:#12A51B  
}
```

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 #12A51B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12A51B
}
```

## Border

The CSS property to change the border of an element to Hex 12A51B 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
#12A51B }
```

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

```
.border{ border-color:#12A51B }
```

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

Here you see how a box with a 4 pixel #12A51B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12A51B; -webkit-box-shadow:4px 4px  
4px 4px #12A51B; box-shadow:4px 4px 4px  
4px #12A51B }
```

# Background

The CSS property to change the background color of an element to Hex 12A51B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12A51B }
```

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

```
.background{ background-color:#12A51B }
```

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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