

# Converting Colors

Hex(50CE12)

Have a look what the booklet for  
Hex(50CE12) contains.

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**Color**

**Hex(50CE12)**

# Conversions

## Conversions Part 1

Format	Color
Hex	50CE12
RGB	80, 206, 18
RGB Percent	31%, 81%, 7%
CMY	0.6863, 0.1922, 0.9294
CMYK	0.61, 0.00, 0.91, 0.19
HSL	100°, 84%, 44%
HSV	100°, 91%, 81%
XYZ	25.4888, 45.8918, 8.0869
YIQ	146.8940, -14.7480, -85.1800

# Conversions

## Conversions Part 2

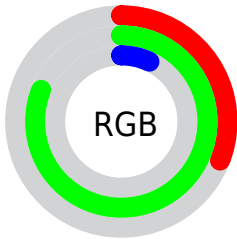
Format	Color
<a href="#">RYB</a>	<a href="#">18, 206, 144</a>
Decimal	<a href="#">5295634</a>
CIELab	<a href="#">73.48, -63.24, 70.20</a>
CIELCh	<a href="#">73, 94.481, 132.013</a>
Yxy	<a href="#">45.8918, 0.3207, 0.5775</a>
Android (android.graphics.Color)	<a href="#">4283485714</a> ( <a href="#">0xFF50CE12</a> )
YUV	<a href="#">146.8940, -63.5447, -58.6660</a>
Hunter-Lab	<a href="#">67.7435, -51.3897, 40.3427</a>

# Details

The Hex color **50CE12** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **9012CE**, and the grayscale version is **949494**.

A 20% lighter version of the original color is **8FFF58**, and **009600** is the 20% darker color. If you saturate the color by 10%, you get **44CE00**, and if you desaturate by 10%, it is **5ECE27**.

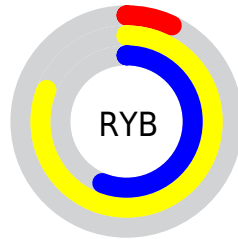
# Distribution



Red (31%)

Green (81%)

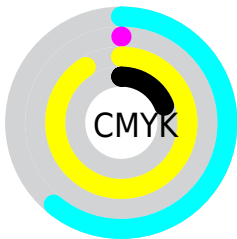
Blue (7%)



Red (7%)

Yellow (81%)

Blue (56%)

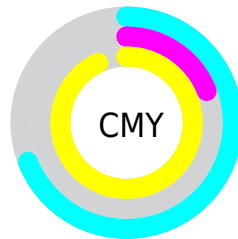


Cyan (61%)

Magenta (0%)

Yellow (91%)

Black (19%)



Cyan (69%)

Magenta (19%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 50CE12 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 50CE12 by changing the saturation by 10% instead.



 50CE12

 50CE12

FFFFFF

 29B200

 8FFF58

 009600

 AEFF75

 007C00

 CCFF91

 006100

 EBFFAE

 004800

 FFFFCE

 003100

 FFFFEE

 001400

 000000

 50CE12

 50CE12

 44CE00

 5ECE27

 6CCE3B

 79CE50

 87CE64

 95CE79

 A3CE8E

 B1CEA2

 BECEB7

 CCCECB

# Harmonies

## Analogous

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



B9BC00



50CE12



00D77B

# Triad

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



50CE12



00CFFF



FF4B96

# Complementary

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



50CE12



9012CE

# 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.



FF5BEC



50CE12



00B4FF

# Square

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



50CE12



00D8FF



E18BFF



FF7242

# Rectangle

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



50CE12



00DAB8



E18BFF



FF48B3

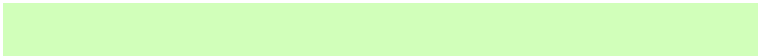


# Sweetspot

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



50CE12



D1FFBA



CE8F12



648057



000000



808080



# Same Dimension

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



50CE12



54FF00



12CE31



5F665C



37A600



0D2600



# Inverse Universe

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



9012CE



AB00FF



CE12AF



635C66



6F00A6

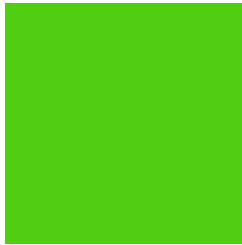


1A0026



# Previews

## White Background



This preview shows how the Hex color 50CE12 looks on a white background.

## Color Contrast Check

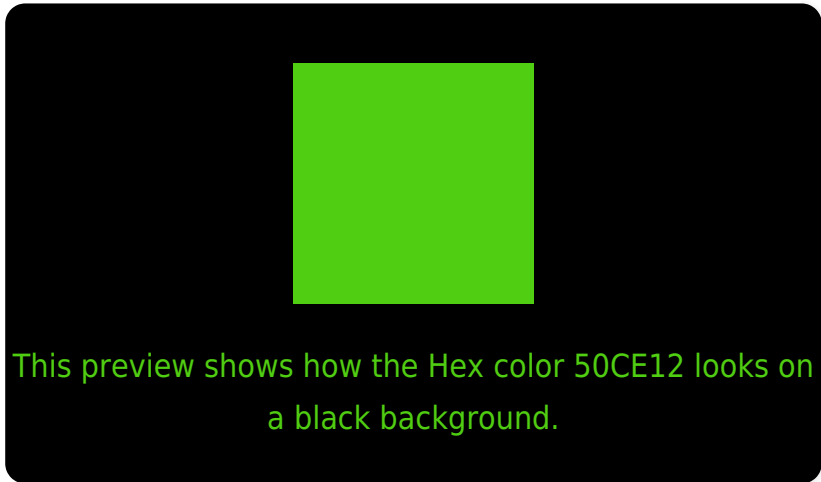
Large Text (above 18pt) WCAG AA × Fail

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 50CE12 Background



This preview shows how black text looks on a background with the Hex color 50CE12.

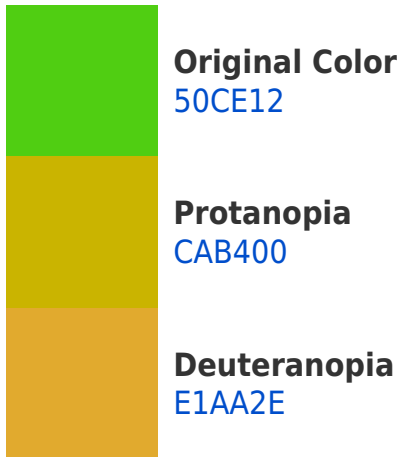


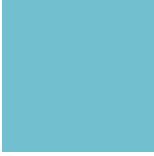
This preview shows how white text looks on a background with the Hex color 50CE12.

# 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





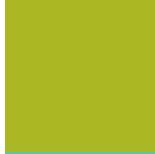
# Trichromacy



**Original Color**  
50CE12



**Protanomaly**  
9EBD07



**Deuteranomaly**  
ACB724



**Tritanomaly**  
66C58A

# Monochromacy



**Original Color**  
50CE12



**Achromatopsia**  
939393



**Achromatomaly**  
7BA864

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 50CE12 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 #50CE12 looks like.

```
.text, #text, p{  
    color:#50CE12  
}
```

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 #50CE12 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #50CE12
}
```

## Border

The CSS property to change the border of an element to Hex 50CE12 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
#50CE12 }
```

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

```
.border{ border-color:#50CE12 }
```

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

Here you see how a box with a 4 pixel #50CE12 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #50CE12; -webkit-box-shadow:4px 4px  
4px 4px #50CE12; box-shadow:4px 4px 4px  
4px #50CE12 }
```

# Background

The CSS property to change the background color of an element to Hex 50CE12 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#50CE12 }
```

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

```
.background{ background-color:#50CE12 }
```

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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