

# Converting Colors

Hex(5B9700)

Have a look what the booklet for  
Hex(5B9700) contains.

<b>Hex(5B9700)</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(5B9700)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5B9700
RGB	91, 151, 0
RGB Percent	36%, 59%, 0%
CMY	0.6431, 0.4078, 1.0000
CMYK	0.40, 0.00, 1.00, 0.41
HSL	84°, 100%, 30%
HSV	84°, 100%, 59%
XYZ	15.3810, 24.3574, 3.8908
YIQ	115.8460, 12.7110, -59.6810

# Conversions

## Conversions Part 2

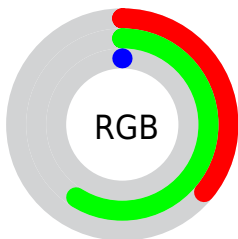
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 151, 60
Decimal	6002432
CIELab	56.44, -39.79, 59.03
CIELCh	56, 71.185, 123.982
Yxy	24.3574, 0.3525, 0.5583
Android (android.graphics.Color)	4284192512 (0xFF5B9700)
YUV	115.8460, -57.1121, -21.7899
Hunter-Lab	49.3532, -30.7383, 29.8731

# Details

The Hex color **5B9700** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3C0097**, and the grayscale version is **747474**.

A 20% lighter version of the original color is **93CE46**, and **226300** is the 20% darker color. If you saturate the color by 10%, you get **5B9700**, and if you desaturate by 10%, it is **61970F**.

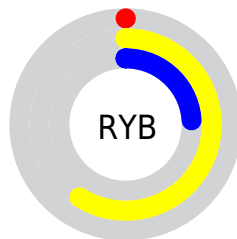
# Distribution



Red (36%)

Green (59%)

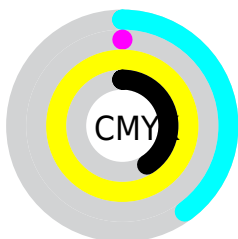
Blue (0%)



Red (0%)

Yellow (59%)

Blue (24%)

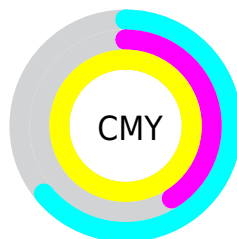


Cyan (40%)

Magenta (0%)

Yellow (100%)

Black (41%)



Cyan (64%)

Magenta (41%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5B9700 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 5B9700 by changing the saturation by 10% instead.



 5B9700

 5B9700

FFFFFF

 3F7D00

 93CE46

 226300

 AFEA62

 004B00

 CCFF7D

 003300

 E9FF98

 001F00

 FFFFB4

 000000

 FFFFD1

 FFFFEE

 5B9700

 61970F

 67971E

 6D972D

 73973C

 79974C

 7F975B

 85976A

 8B9779

 919788

# Harmonies

## Analogous

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



9C8700



5B9700



009F4D

# Triad

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



5B9700



009CF7



F34082

# Complementary

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



5B9700



3C0097

# 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.



D753BF



5B9700



008CFF

# Square

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



5B9700



00A2CB



9073EF



ED5146

# Rectangle

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



5B9700



00A278



9073EF



EE4397



# Sweetspot

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



5B9700



ADC489



973A00



556340



E3E3E3



636363



# Same Dimension

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



5B9700



76C400



129700



494D45



558C00



080D00



# Inverse Universe

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



3C0097



4E00C4



850097



48454D



38008C



05000D



# Previews

## White Background



This preview shows how the Hex color 5B9700 looks on a white background.

## Color Contrast Check

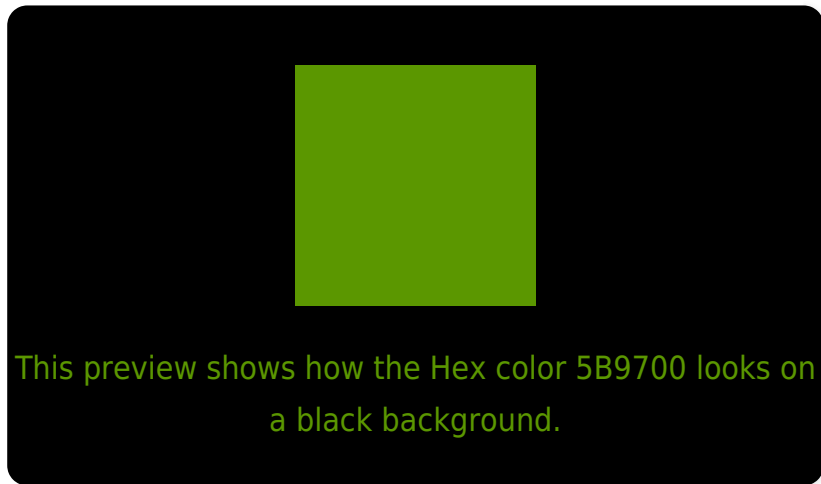
Large Text (above 18pt) WCAG AA ✓ Pass

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 5B9700 Background



This preview shows how black text looks on a background with the Hex color 5B9700.

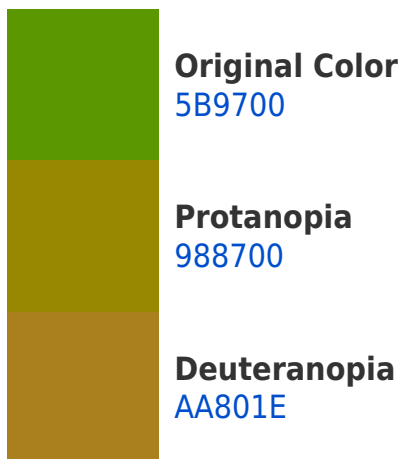


This preview shows how white text looks on a background with the Hex color 5B9700.

# 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**  
6C8C98

# Trichromacy



**Original Color**  
5B9700

**Protanomaly**  
828D00

**Deuteranomaly**  
8D8813

**Tritanomaly**  
669061

# Monochromacy



**Original Color**  
5B9700

**Achromatopsia**  
747474

**Achromatomaly**  
6B814A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5B9700 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 #5B9700 looks like.

```
.text, #text, p{  
    color:#5B9700  
}
```

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 #5B9700 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5B9700
}
```

## Border

The CSS property to change the border of an element to Hex 5B9700 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
#5B9700 }
```

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

```
.border{ border-color:#5B9700 }
```

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

Here you see how a box with a 4 pixel #5B9700 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5B9700; -webkit-box-shadow:4px 4px  
4px 4px #5B9700; box-shadow:4px 4px 4px  
4px #5B9700 }
```

# Background

The CSS property to change the background color of an element to Hex 5B9700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5B9700 }
```

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

```
.background{ background-color:#5B9700 }
```

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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