

# Converting Colors

Hex(4BB50B)

Have a look what the booklet for  
Hex(4BB50B) contains.

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**Color**

**Hex(4BB50B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4BB50B
RGB	75, 181, 11
RGB Percent	29%, 71%, 4%
CMY	0.7059, 0.2902, 0.9569
CMYK	0.59, 0.00, 0.94, 0.29
HSL	97°, 89%, 38%
HSV	97°, 94%, 71%
XYZ	19.4859, 34.5678, 5.9618
YIQ	129.9260, -8.6060, -75.3420

# Conversions

## Conversions Part 2

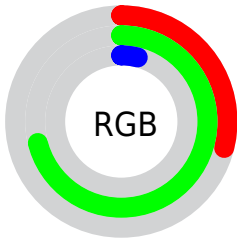
Format	Color
<b>RYB</b>	11, 181, 117
Decimal	4961547
CIELab	65.41, -56.08, 64.42
CIELCh	65, 85.411, 131.044
Yxy	34.5678, 0.3247, 0.5760
Android (android.graphics.Color)	4283151627 (0xFF4BB50B)
YUV	129.9260, -58.6305, -48.1701
Hunter-Lab	58.7944, -43.7307, 35.1440

# Details

The Hex color **4BB50B** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **750BB5**, and the grayscale version is **838383**.

A 20% lighter version of the original color is **88EE50**, and **007F00** is the 20% darker color. If you saturate the color by 10%, you get **44B500**, and if you desaturate by 10%, it is **56B51D**.

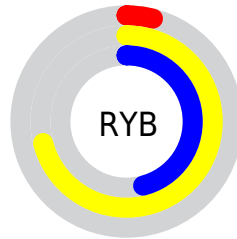
# Distribution



Red (29%)

Green (71%)

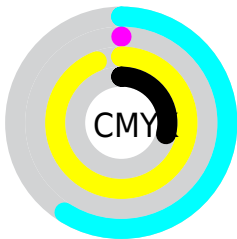
Blue (4%)



Red (4%)

Yellow (71%)

Blue (46%)

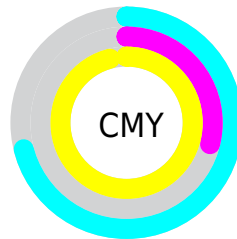


Cyan (59%)

Magenta (0%)

Yellow (94%)

Black (29%)



Cyan (71%)

Magenta (29%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4BB50B 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 4BB50B by changing the saturation by 10% instead.



 4BB50B

 4BB50B

FFFFFF

 279A00

 88EE50

 007F00

 A5FF6C

 006500

 C3FF88

 004C00

 E1FFA4

 003400

 FFFFC1

 001B00

 FFFFDE

 000000

 FFFFFB

 4BB50B

 4BB50B

■ 44B500

■ 56B51D

■ 62B52F

■ 6DB541

■ 78B553

■ 83B566

■ 8FB578

■ 9AB58A

■ A5B59C

■ B1B5AE

# Harmonies

## Analogous

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



A6A400



4BB50B



00BD6A

# Triad

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



4BB50B



00B5FF



FF4286

# Complementary

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



4BB50B



750BB5

# 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.



FF51D2



4BB50B



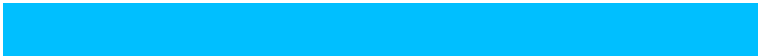
009FFF

# Square

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



4BB50B



00BFFF



C37CFF



FF633D

# Rectangle

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



4BB50B



00C09F



C37CFF



FF40A0

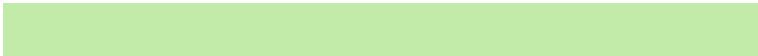


# Sweetspot

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



4BB50B



C2EBA9



B5740B



5C754D



F5F5F5



757575



# Same Dimension

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



4BB50B



58EB00



0BB51F



545950



3A9900



0A1A00



# Inverse Universe

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



750BB5



9200EB



B50BA1



565059



5F0099



10001A



# Previews

## White Background



This preview shows how the Hex color 4BB50B looks on a white background.

## Color Contrast Check

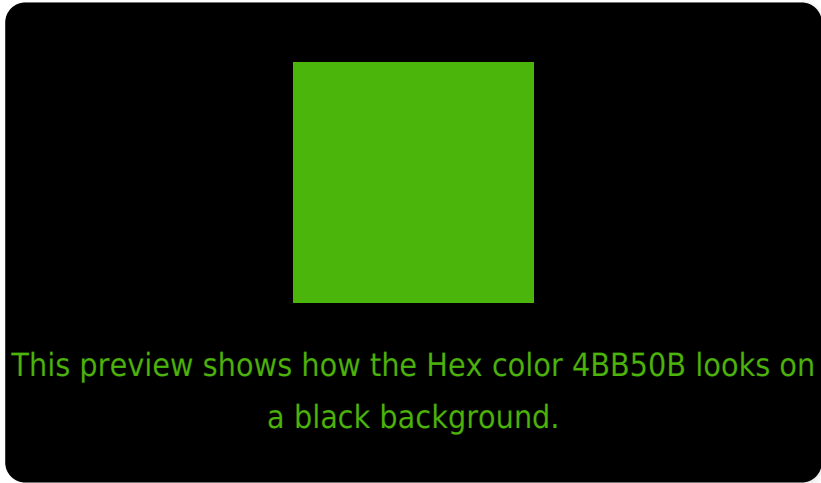
Large Text (above 18pt) WCAG AA × Fail

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 4BB50B Background



This preview shows how black text looks on a background with the Hex color 4BB50B.



This preview shows how white text looks on a background with the Hex color 4BB50B.

# 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](#).

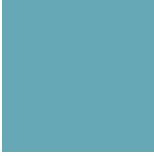
## Dichromacy



**Original Color**  
4BB50B

**Protanopia**  
B29E00

**Deuteranopia**  
C69627



**Tritanopia**  
67A8B6

# Trichromacy



**Original Color**  
4BB50B



**Protanomaly**  
8DA604



**Deuteranomaly**  
99A11D



**Tritanomaly**  
5DAD78

# Monochromacy



**Original Color**  
4BB50B



**Achromatopsia**  
828282



**Achromatomaly**  
6E9557

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4BB50B 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 #4BB50B looks like.

```
.text, #text, p{  
    color:#4BB50B  
}
```

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 #4BB50B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4BB50B
}
```

## Border

The CSS property to change the border of an element to Hex 4BB50B 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
#4BB50B }
```

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

```
.border{ border-color:#4BB50B }
```

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

Here you see how a box with a 4 pixel #4BB50B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4BB50B; -webkit-box-shadow:4px 4px  
4px 4px #4BB50B; box-shadow:4px 4px 4px  
4px #4BB50B }
```

# Background

The CSS property to change the background color of an element to Hex 4BB50B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4BB50B }
```

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

```
.background{ background-color:#4BB50B }
```

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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