

# Converting Colors

Hex(68B247)

Have a look what the booklet for  
Hex(68B247) contains.

<b>Hex(68B247)</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(68B247)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	68B247
RGB	104, 178, 71
RGB Percent	41%, 70%, 28%
CMY	0.5922, 0.3020, 0.7216
CMYK	0.42, 0.00, 0.60, 0.30
HSL	101°, 43%, 49%
HSV	101°, 60%, 70%
XYZ	22.7666, 35.2388, 11.5631
YIQ	143.6760, -9.7570, -48.9650

# Conversions

## Conversions Part 2

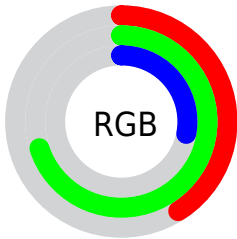
<b>Format</b>	<b>Color</b>
<b>RYB</b>	71, 178, 145
Decimal	6861383
CIELab	65.93, -42.64, 46.55
CIElCh	66, 63.134, 132.490
Yxy	35.2388, 0.3273, 0.5065
Android (android.graphics.Color)	4285051463 (0xFF68B247)
YUV	143.6760, -35.8293, -34.7959
Hunter-Lab	59.3623, -35.4255, 30.0046

# Details

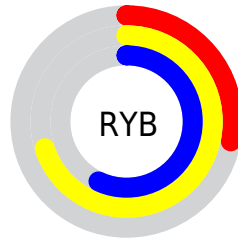
The Hex color **68B247** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **9147B2**, and the grayscale version is **909090**.

A 20% lighter version of the original color is **A0EA7B**, and **307D10** is the 20% darker color. If you saturate the color by 10%, you get **5CB235**, and if you desaturate by 10%, it is **74B259**.

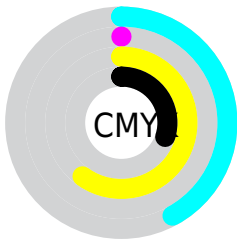
# Distribution



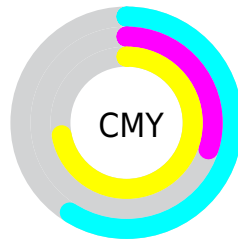
- Red (41%)
- Green (70%)
- Blue (28%)



- Red (28%)
- Yellow (70%)
- Blue (57%)



- Cyan (42%)
- Magenta (0%)
- Yellow (60%)
- Black (30%)



- Cyan (59%)
- Magenta (30%)
- Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 68B247 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 68B247 by changing the saturation by 10% instead.





68B247



68B247

FFFFFF



4C972D



A0EA7B



307D10



BCFF96



0B6300



D9FFB1



004A00



F6FFCD



003300



FFFEEA



001D00



000000



68B247



68B247



5CB235



74B259

 4FB223

 81B26B

 43B212

 8DB27C

 37B200

 99B28E

 A6B2A0

 B2B2B2

 BEB2C4

 CAB2D5

 D7B2E7

# Harmonies

## Analogous

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



A7A524



68B247



00B97C

# Triad

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



68B247



00B0FF



FF6B8B

# Complementary

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



68B247



9147B2

# 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.



F671C4



68B247



5C9FFF

# Square

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



68B247



00B9EC



C287F4



FB7A56

# Rectangle

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



68B247



00BBA3



C287F4



FF6A9E



# Sweetspot

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



68B247



CBE8BE



B29047



63755B



F5F5F5



757575



# Same Dimension

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



68B247



75E841



47B25B



535950



2F9900



081A00



# Inverse Universe

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



9147B2



B541E8



B2479E



565059



6A0099



12001A



# Previews

## White Background



This preview shows how the Hex color 68B247 looks on a white background.

## Color Contrast Check

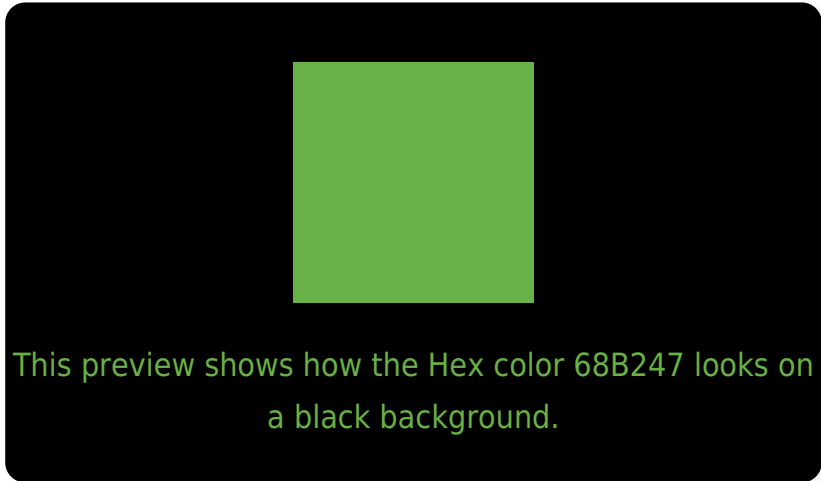
Large Text (above 18pt) WCAG AA × Fail

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 68B247 Background



This preview shows how black text looks on a background with the Hex color 68B247.

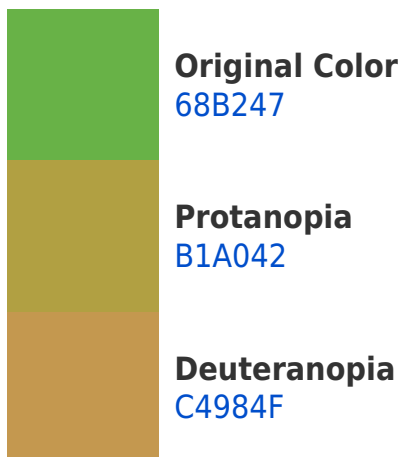


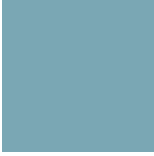
This preview shows how white text looks on a background with the Hex color 68B247.

# 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**  
7AA7B4

# Trichromacy



**Original Color**  
68B247



**Protanomaly**  
96A744



**Deuteranomaly**  
A3A14C



**Tritanomaly**  
73AB8C

# Monochromacy



**Original Color**  
68B247



**Achromatopsia**  
909090



**Achromatomaly**  
819C75

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 68B247 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 #68B247 looks like.

```
.text, #text, p{  
    color:#68B247  
}
```

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 #68B247 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #68B247
}
```

## Border

The CSS property to change the border of an element to Hex 68B247 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
#68B247 }
```

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

```
.border{ border-color:#68B247 }
```

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

Here you see how a box with a 4 pixel #68B247 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #68B247; -webkit-box-shadow:4px 4px  
4px 4px #68B247; box-shadow:4px 4px 4px  
4px #68B247 }
```

# Background

The CSS property to change the background color of an element to Hex 68B247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#68B247 }
```

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

```
.background{ background-color:#68B247 }
```

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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