

# Converting Colors

Hex(68AC00)

Have a look what the booklet for  
Hex(68AC00) contains.

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**Color**

**Hex(68AC00)**

# Conversions

## Conversions Part 1

Format	Color
Hex	68AC00
RGB	104, 172, 0
RGB Percent	41%, 67%, 0%
CMY	0.5922, 0.3255, 1.0000
CMYK	0.40, 0.00, 1.00, 0.33
HSL	84°, 100%, 34%
HSV	84°, 100%, 67%
XYZ	20.4614, 32.4481, 5.1847
YIQ	132.0600, 14.6840, -67.9080

# Conversions

## Conversions Part 2

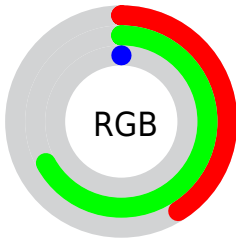
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 172, 68
Decimal	6859776
CIELab	63.71, -43.92, 64.94
CIELCh	64, 78.399, 124.070
Yxy	32.4481, 0.3522, 0.5585
Android (android.graphics.Color)	4285049856 (0xFF68AC00)
YUV	132.0600, -65.1056, -24.6086
Hunter-Lab	56.9632, -35.5677, 34.4778

# Details

The Hex color **68AC00** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **4400AC**, and the grayscale version is **858585**.

A 20% lighter version of the original color is **A1E44B**, and **2D7700** is the 20% darker color. If you saturate the color by 10%, you get **68AC00**, and if you desaturate by 10%, it is **6FAC11**.

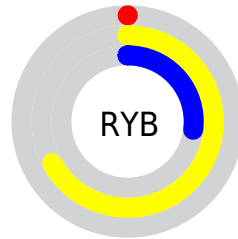
# Distribution



Red (41%)

Green (67%)

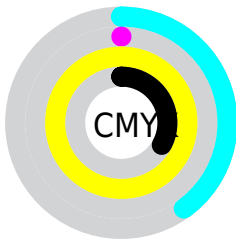
Blue (0%)



Red (0%)

Yellow (67%)

Blue (27%)

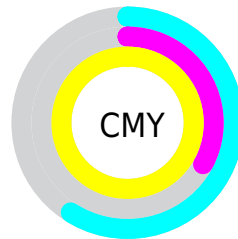


Cyan (40%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (59%)

Magenta (33%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 68AC00 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 68AC00 by changing the saturation by 10% instead.



 68AC00

 68AC00

FFFFFF

 4B9100

 A1E44B

 2D7700

 BEFF67

 035E00

 DBFF83

 004500

 F9FF9F

 002F00

 FFFFBC

 001500

 FFFFD9

 000000

 FFFFF6

 68AC00

 6FAC11

 76AC22

 7CAC34

 83AC45

 8AAC56

 91AC67

 98AC78

 9EAC8A

 A5AC9B

# Harmonies

## Analogous

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



B19A00



68AC00



00B559

# Triad

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



68AC00



00B1FF



FF4A94

# Complementary

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



68AC00



4400AC

# 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.



F45FD9



68AC00



00A0FF

# Square

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



68AC00



00B9E7



A483FF



FF5E50

# Rectangle

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



68AC00



00B98A



A483FF



FF4DAB



# Sweetspot

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



68AC00



C6E09D



AC4200



607048



F0F0F0



707070



# Same Dimension

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



68AC00



88E000



14AC00



53574E



5B9600



0E1700



# Inverse Universe

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



4400AC



5900E0



9800AC



514E57



3B0096



090017



# Previews

## White Background



This preview shows how the Hex color 68AC00 looks on a white background.

## Color Contrast Check

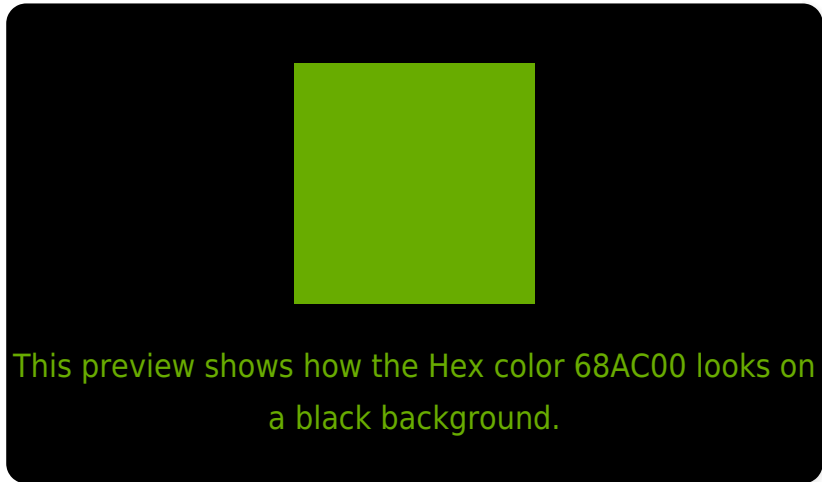
Large Text (above 18pt) WCAG AA × Fail

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 68AC00 Background



This preview shows how black text looks on a background with the Hex color 68AC00.



This preview shows how white text looks on a background with the Hex color 68AC00.

# 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**  
68AC00

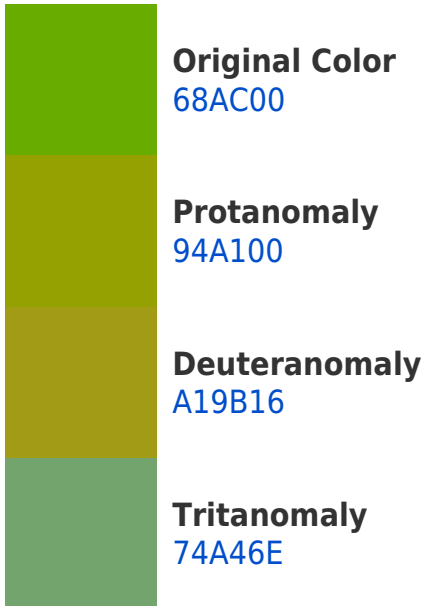
**Protanopia**  
AD9A00

**Deuteranopia**  
C19222



**Tritanopia**  
7BA0AD

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 68AC00 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 #68AC00 looks like.

```
.text, #text, p{  
    color:#68AC00  
}
```

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 #68AC00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #68AC00
}
```

## Border

The CSS property to change the border of an element to Hex 68AC00 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
#68AC00 }
```

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

```
.border{ border-color:#68AC00 }
```

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

Here you see how a box with a 4 pixel #68AC00 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #68AC00; -webkit-box-shadow:4px 4px  
4px 4px #68AC00; box-shadow:4px 4px 4px  
4px #68AC00 }
```

# Background

The CSS property to change the background color of an element to Hex 68AC00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#68AC00 }
```

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

```
.background{ background-color:#68AC00 }
```

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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