

# Converting Colors

Hex(3BE40C)

Have a look what the booklet for  
Hex(3BE40C) contains.

<b>Hex(3BE40C)</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(3BE40C)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3BE40C
RGB	59, 228, 12
RGB Percent	23%, 89%, 5%
CMY	0.7686, 0.1059, 0.9529
CMYK	0.74, 0.00, 0.95, 0.11
HSL	107°, 90%, 47%
HSV	107°, 95%, 89%
XYZ	29.6134, 56.4432, 9.6817
YIQ	152.8450, -31.3880, -103.0040

# Conversions

## Conversions Part 2

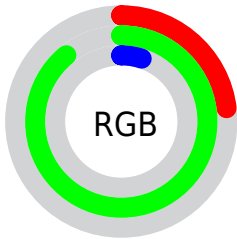
<b>Format</b>	<b>Color</b>
<b>RYB</b>	12, 228, 181
Decimal	3925004
CIELab	79.87, -74.25, 76.02
CIELCh	80, 106.262, 134.326
Yxy	56.4432, 0.3093, 0.5896
Android (android.graphics.Color)	4282115084 (0xFF3BE40C)
YUV	152.8450, -69.4366, -82.3021
Hunter-Lab	75.1287, -61.1160, 44.9495

# Details

The Hex color **3BE40C** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **B50CE4**, and the grayscale version is **9A9A9A**.

A 20% lighter version of the original color is **85FF5A**, and **00AB00** is the 20% darker color. If you saturate the color by 10%, you get **32E400**, and if you desaturate by 10%, it is **4DE423**.

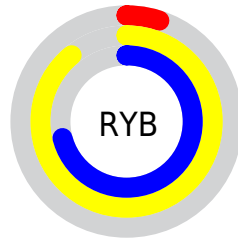
# Distribution



Red (23%)

Green (89%)

Blue (5%)



Red (5%)

Yellow (89%)

Blue (71%)

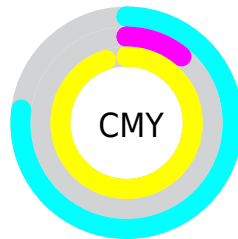


Cyan (74%)

Magenta (0%)

Yellow (95%)

Black (11%)



Cyan (77%)

Magenta (11%)

Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3BE40C 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 3BE40C by changing the saturation by 10% instead.



 3BE40C

 3BE40C

FFFFFF

 00C700

 85FF5A

 00AB00

 A5FF77

 008F00

 C5FF95

 007400

 E4FFB2

 005A00

 FFFFCF

 004100

 FFFFED

 002800

 000000

 3BE40C

 3BE40C

 32E400

 4DE423

 5FE43A

 71E450

 82E467

 94E47E

 A6E495

 B8E4AC

 CAE4C2

 DCE4D9

# Harmonies

## Analogous

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



C3D000



3BE40C



00EE8C

# Triad

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



3BE40C



00E0FF



FF469B

# Complementary

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



3BE40C



B50CE4

# 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.



FF55FE



3BE40C



00C2FF

# Square

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



3BE40C



00EEFF



FF91FF



FF7C3A

# Rectangle

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



3BE40C



00F0D2



FF91FF



FF3FBC

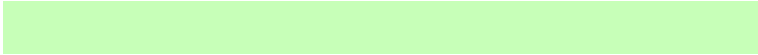


# Sweetspot

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



3BE40C



C7FFB8



E4B20C



5E8054



000000



808080



# Same Dimension

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



3BE40C



37FF00



0CE446



6A7367



27B300



0B3300



# Inverse Universe

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



B50CE4



C800FF



E40CAA



706773



8C00B3

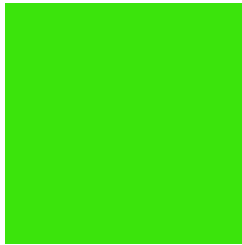


280033



# Previews

## White Background



This preview shows how the Hex color 3BE40C looks on a white background.

## Color Contrast Check

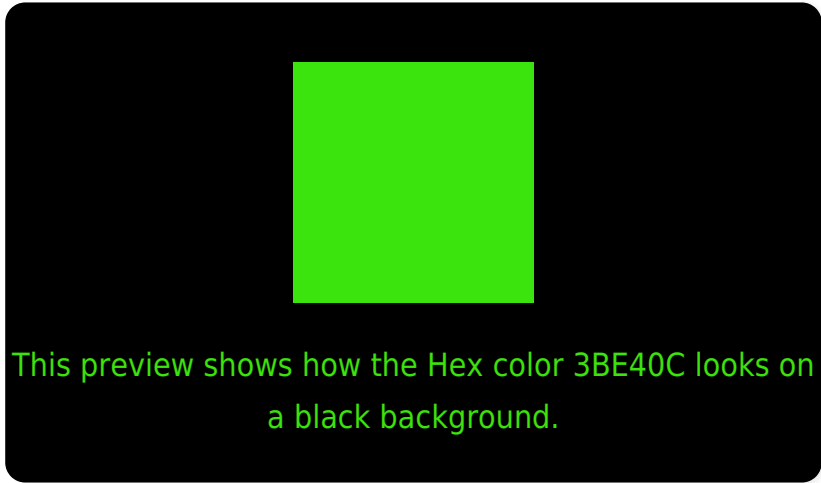
Large Text (above 18pt) WCAG AA × Fail

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 3BE40C Background



This preview shows how black text looks on a background with the Hex color 3BE40C.

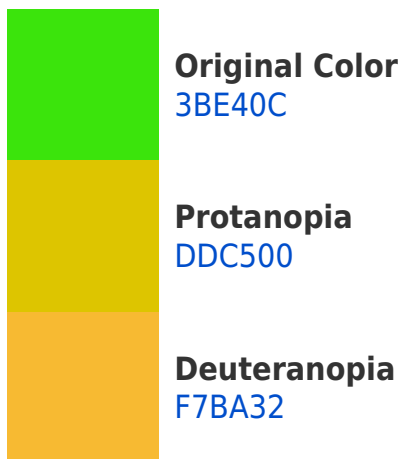


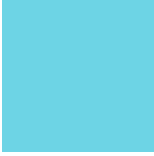
This preview shows how white text looks on a background with the Hex color 3BE40C.

# 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](#).

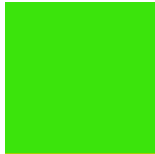
## Dichromacy





**Tritanopia**  
6DD4E5

# Trichromacy



**Original Color**  
3BE40C



**Protanomaly**  
A2D004



**Deuteranomaly**  
B3C924



**Tritanomaly**  
5BDA96

# Monochromacy



**Original Color**  
3BE40C



**Achromatopsia**  
999999



**Achromatomaly**  
77B466

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3BE40C 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 #3BE40C looks like.

```
.text, #text, p{  
    color:#3BE40C  
}
```

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 #3BE40C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3BE40C
}
```

## Border

The CSS property to change the border of an element to Hex 3BE40C 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
#3BE40C }
```

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

```
.border{ border-color:#3BE40C }
```

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

Here you see how a box with a 4 pixel #3BE40C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3BE40C; -webkit-box-shadow:4px 4px  
4px 4px #3BE40C; box-shadow:4px 4px 4px  
4px #3BE40C }
```

# Background

The CSS property to change the background color of an element to Hex 3BE40C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3BE40C }
```

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

```
.background{ background-color:#3BE40C }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor