

# Converting Colors

Hex(33BF11)

Have a look what the booklet for  
Hex(33BF11) contains.

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# Color

Hex(33BF11)

# Conversions

## Conversions Part 1

Format	Color
Hex	33BF11
RGB	51, 191, 17
RGB Percent	20%, 75%, 7%
CMY	0.8000, 0.2510, 0.9333
CMYK	0.73, 0.00, 0.91, 0.25
HSL	108°, 84%, 41%
HSV	108°, 91%, 75%
XYZ	20.0972, 38.0059, 6.8070
YIQ	129.3040, -27.5860, -83.7940

# Conversions

## Conversions Part 2

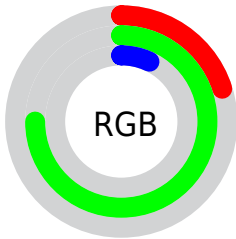
<b>Format</b>	<b>Color</b>
<b>RYB</b>	17, 191, 157
Decimal	3391249
CIELab	68.02, -64.30, 65.49
CIELCh	68, 91.782, 134.473
Yxy	38.0059, 0.3096, 0.5855
Android (android.graphics.Color)	4281581329 (0xFF33BF11)
YUV	129.3040, -55.3659, -68.6726
Hunter-Lab	61.6489, -49.6955, 36.6077

# Details

The Hex color **33BF11** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **9D11BF**, and the grayscale version is **828282**.

A 20% lighter version of the original color is **78F954**, and **008800** is the 20% darker color. If you saturate the color by 10%, you get **25BF00**, and if you desaturate by 10%, it is **42BF24**.

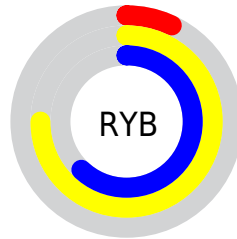
# Distribution



 Red (20%)

 Green (75%)

 Blue (7%)




 Red (7%)

 Yellow (75%)

 Blue (62%)

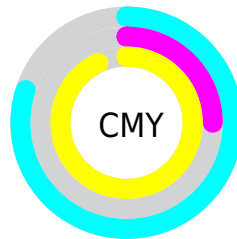


 Cyan (73%)

 Magenta (0%)

 Yellow (91%)

 Black (25%)



 Cyan (80%)

 Magenta (25%)

 Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 33BF11 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 33BF11 by changing the saturation by 10% instead.



 33BF11

 33BF11

FFFFFF

 00A300

 78F954

 008800

 97FF70

 006D00

 B5FF8D

 005400

 D4FFA9

 003B00

 F2FFC6

 002300

 FFFFE3

 000000

 33BF11

 33BF11

 25BF00

 42BF24

 52BF37

 61BF4A

 70BF5D

 80BF71

 8FBF84

 9FBF97

 AEBFAA

 BDBFBD

# Harmonies

## Analogous

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



A3AF00



33BF11



00C776

# Triad

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



33BF11



00BCFF



FF3D82

# Complementary

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



33BF11



9D11BF

# 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.



FF49D4



33BF11



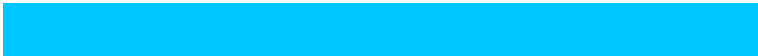
00A3FF

# Square

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



33BF11



00C7FF



D97AFF



FF6831

# Rectangle

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



33BF11



00C9B0



D97AFF



FF389D

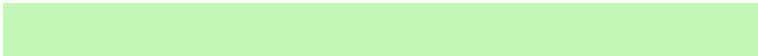


# Sweetspot

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



33BF11



C2F7B5



BF9C11



5D7D55



FCFCFC



7D7D7D



# Same Dimension

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



33BF11



30F700



11BF45



575E55



1F9E00



061F00



# Inverse Universe

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



9D11BF



C700F7



BF118B



5D555E



7F009E

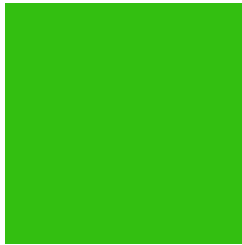


19001F



# Previews

## White Background



This preview shows how the Hex color 33BF11 looks on a white background.

## Color Contrast Check

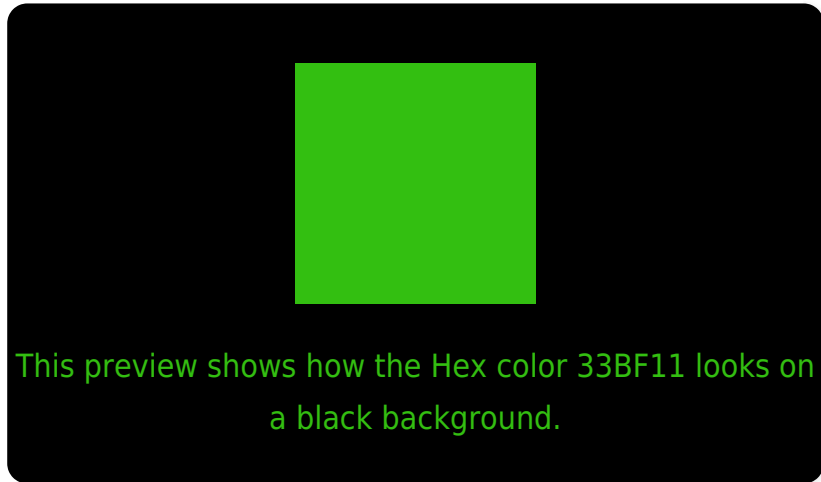
Large Text (above 18pt) WCAG AA × Fail

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

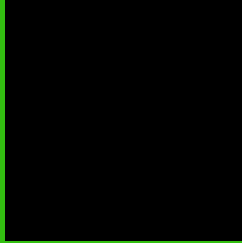
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 33BF11 Background



This preview shows how black text looks on a background with the Hex color 33BF11.

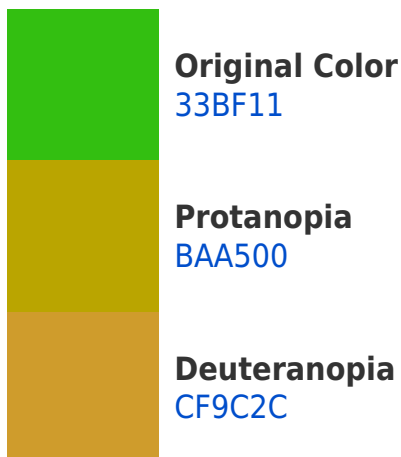


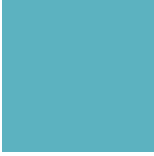
This preview shows how white text looks on a background with the Hex color 33BF11.

# 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](#).

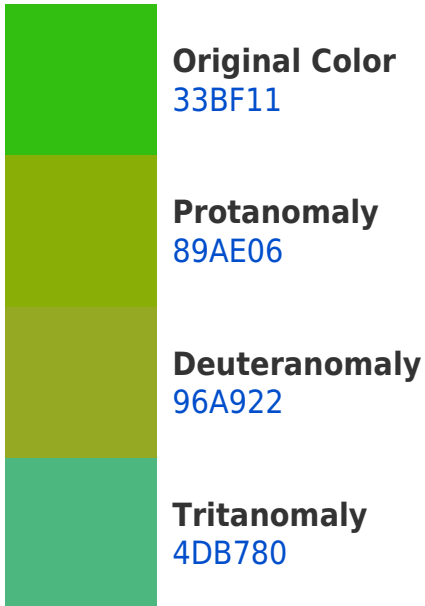
## Dichromacy





**Tritanopia**  
5CB2C0

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 33BF11 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 #33BF11 looks like.

```
.text, #text, p{  
    color:#33BF11  
}
```

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 #33BF11 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33BF11
}
```

## Border

The CSS property to change the border of an element to Hex 33BF11 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
#33BF11 }
```

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

```
.border{ border-color:#33BF11 }
```

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

Here you see how a box with a 4 pixel #33BF11 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33BF11; -webkit-box-shadow:4px 4px  
4px 4px #33BF11; box-shadow:4px 4px 4px  
4px #33BF11 }
```

# Background

The CSS property to change the background color of an element to Hex 33BF11 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33BF11 }
```

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

```
.background{ background-color:#33BF11 }
```

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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