

# Converting Colors

Hex(66BE33)

Have a look what the booklet for  
Hex(66BE33) contains.

<b>Hex(66BE33)</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(66BE33)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	66BE33
RGB	102, 190, 51
RGB Percent	40%, 75%, 20%
CMY	0.6000, 0.2549, 0.8000
CMYK	0.46, 0.00, 0.73, 0.25
HSL	98°, 58%, 47%
HSV	98°, 73%, 75%
XYZ	24.4905, 39.8907, 9.5409
YIQ	147.8420, -7.8290, -61.8850

# Conversions

## Conversions Part 2

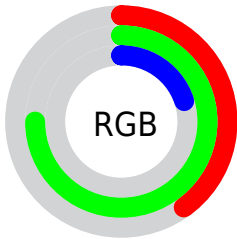
Format	Color
<a href="#">RYB</a>	<a href="#">51, 190, 139</a>
Decimal	<a href="#">6733363</a>
CIELab	<a href="#">69.39, -49.90, 58.39</a>
CIELCh	<a href="#">69, 76.810, 130.515</a>
Yxy	<a href="#">39.8907, 0.3313, 0.5396</a>
Android (android.graphics.Color)	<a href="#">4284923443 (0xFF66BE33)</a>
YUV	<a href="#">147.8420, -47.7431, -40.2034</a>
Hunter-Lab	<a href="#">63.1591, -41.3135, 35.2550</a>

# Details

The Hex color **66BE33** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **8B33BE**, and the grayscale version is **949494**.

A 20% lighter version of the original color is **A0F76A**, and **288800** is the 20% darker color. If you saturate the color by 10%, you get **5ABE20**, and if you desaturate by 10%, it is **72BE46**.

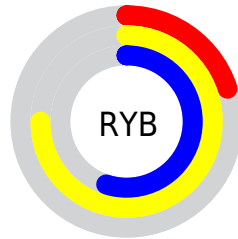
# Distribution



Red (40%)

Green (75%)

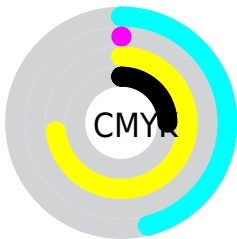
Blue (20%)



Red (20%)

Yellow (75%)

Blue (55%)

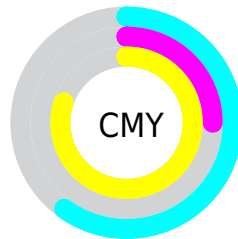


Cyan (46%)

Magenta (0%)

Yellow (73%)

Black (25%)



Cyan (60%)

Magenta (25%)

Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 66BE33 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 66BE33 by changing the saturation by 10% instead.



 66BE33

 66BE33

FFFFFF

 49A211

 A0F76A

 288800

 BDFF86

 006E00

 DAFFA1

 005400

 F8FFBD

 003C00

 FFFFDA

 002600

 FFFFF7

 000000

 66BE33

 66BE33

 5ABE20

 72BE46

 4EBE0D

 7EBE59

 46BE00

 8ABE6C

 96BE7F

 A2BE92

 AEBEA5

 BABEB8

 C6BECB

 D2BEDE

# Harmonies

## Analogous

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



B4AE00



66BE33



00C778

# Triad

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



66BE33



00BEFF



FF6194

# Complementary

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



66BE33



8B33BE

# 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.



FF6BDA



66BE33



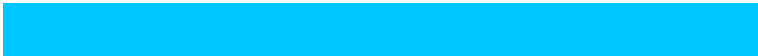
1BAAFF

# Square

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



66BE33



00C7FF



CB8BFF



FF7652

# Rectangle

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



66BE33



00C9A9



CB8BFF



FF60AB

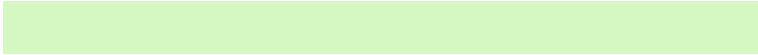


# Sweetspot

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



66BE33



D5F7C1



BE8933



687D5C



FCFCFC



7D7D7D



# Same Dimension

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



66BE33



6EF71E



33BE43



585E55



3A9E00



0B1F00



# Inverse Universe

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



8B33BE



A71EF7



BE33AE



5B555E



64009E



13001F



# Previews

## White Background



This preview shows how the Hex color 66BE33 looks on a white background.

## Color Contrast Check

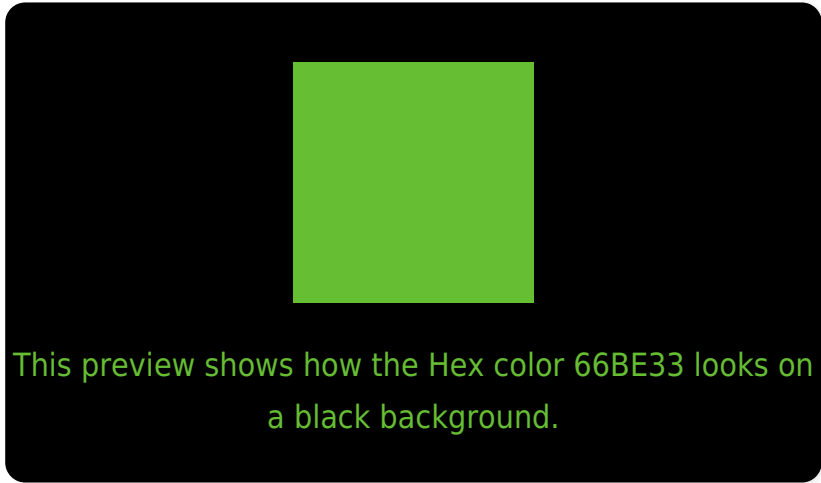
Large Text (above 18pt) WCAG AA × Fail

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 66BE33 Background



This preview shows how black text looks on a background with the Hex color 66BE33.



This preview shows how white text looks on a background with the Hex color 66BE33.

# 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**  
66BE33

**Protanopia**  
BDA92E

**Deuteranopia**  
D2A03F



**Tritanopia**  
7DB1BF

# Trichromacy



**Original Color**  
66BE33



**Protanomaly**  
9DB130



**Deuteranomaly**  
ABAB3B



**Tritanomaly**  
75B68C

# Monochromacy



**Original Color**  
66BE33



**Achromatopsia**  
949494



**Achromatomaly**  
83A371

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 66BE33 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 #66BE33 looks like.

```
.text, #text, p{  
    color:#66BE33  
}
```

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 #66BE33 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #66BE33
}
```

## Border

The CSS property to change the border of an element to Hex 66BE33 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
#66BE33 }
```

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

```
.border{ border-color:#66BE33 }
```

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

Here you see how a box with a 4 pixel #66BE33 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #66BE33; -webkit-box-shadow:4px 4px  
4px 4px #66BE33; box-shadow:4px 4px 4px  
4px #66BE33 }
```

# Background

The CSS property to change the background color of an element to Hex 66BE33 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#66BE33 }
```

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

```
.background{ background-color:#66BE33 }
```

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