

# Converting Colors

Hex(63EE36)

Have a look what the booklet for  
Hex(63EE36) contains.

<b>Hex(63EE36)</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(63EE36)**

# Conversions

## Conversions Part 1

Format	Color
Hex	63EE36
RGB	99, 238, 54
RGB Percent	39%, 93%, 21%
CMY	0.6118, 0.0667, 0.7882
CMYK	0.58, 0.00, 0.77, 0.07
HSL	105°, 84%, 57%
HSV	105°, 77%, 93%
XYZ	36.3860, 64.0681, 13.9387
YIQ	175.4630, -23.7800, -86.6920

# Conversions

## Conversions Part 2

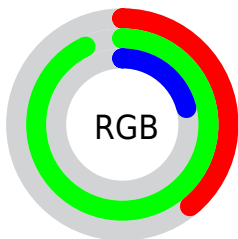
<b>Format</b>	<b>Color</b>
<b>RYB</b>	54, 238, 193
Decimal	6549046
CIELab	84.00, -67.99, 71.62
CIELCh	84, 98.750, 133.510
Yxy	64.0681, 0.3181, 0.5601
Android (android.graphics.Color)	4284739126 (0xFF63EE36)
YUV	175.4630, -59.8813, -67.0581
Hunter-Lab	80.0425, -58.9313, 45.7050

# Details

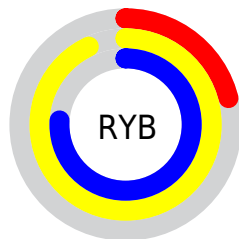
The Hex color **63EE36** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **C136EE**, and the grayscale version is **B0B0B0**.

A 20% lighter version of the original color is **A3FF72**, and **00B500** is the 20% darker color. If you saturate the color by 10%, you get **51EE1E**, and if you desaturate by 10%, it is **75EE4E**.

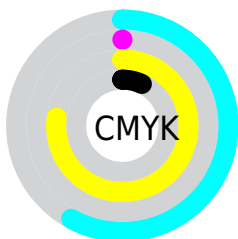
# Distribution



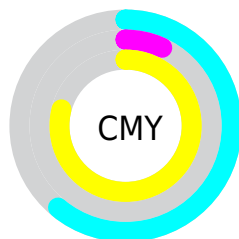
- Red (39%)
- Green (93%)
- Blue (21%)



- Red (21%)
- Yellow (93%)
- Blue (76%)



- Cyan (58%)
- Magenta (0%)
- Yellow (77%)
- Black (7%)



- Cyan (61%)
- Magenta (7%)
- Yellow (79%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 63EE36 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 63EE36 by changing the saturation by 10% instead.



 63EE36

 63EE36

FFFFFF

 3FD108

 A3FF72

 00B500

 C2FF8F

 009900

 E0FFAC

 007E00

 FFFFC9

 006400

 FFFF E6

 004A00


 003200

 001700

 000000

 63EE36

 63EE36

 51EE1E

 75EE4E

 3FEE06

 87EE66

 3AEE00

 99EE7D

 ABEE95

 BDEEAD

 CFEEC5

 E1EEDD

 F3EEF4

 FFE EFF

# Harmonies

## Analogous

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



D4DA00



63EE36



00F899

# Triad

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



63EE36



00EBFF



FF69AC

# Complementary

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



63EE36



C136EE

# 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.



FF75FF



63EE36



1ACFFF

# Square

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



63EE36



00F8FF



FFA3FF



FF8E53

# Rectangle

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



63EE36



00FBDA



FFA3FF



FF66CB

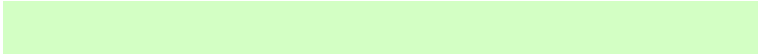


# Sweetspot

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



63EE36



D3FFC4



EEC036



65805C



000000



808080



# Same Dimension

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



63EE36



4CFF12



36EE64



6F786C



2DB800



0E3800



# Inverse Universe

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



C136EE



C512FF



EE36C0



756C78



8B00B8

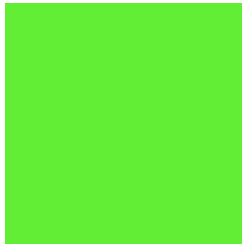


2A0038



# Previews

## White Background



This preview shows how the Hex color 63EE36 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



This preview shows how the Hex color 63EE36 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

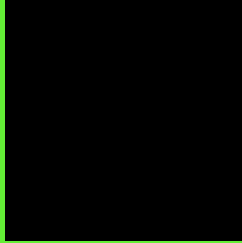
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 63EE36 Background



This preview shows how black text looks on a background with the Hex color 63EE36.

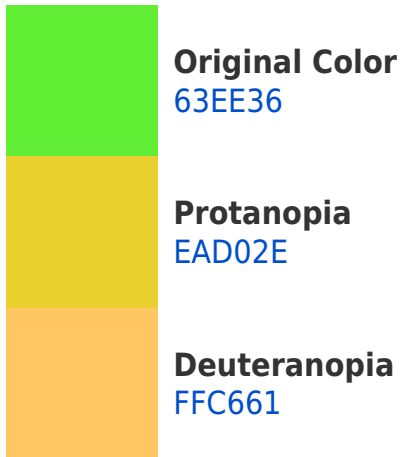


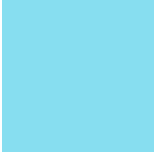
This preview shows how white text looks on a background with the Hex color 63EE36.

# 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**  
87DEF0

# Trichromacy



**Original Color**  
63EE36



**Protanomaly**  
B9DB31



**Deuteranomaly**  
C6D551

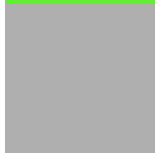


**Tritanomaly**  
7AE4AC

# Monochromacy



**Original Color**  
63EE36



**Achromatopsia**  
AFAFAF



**Achromatomaly**  
93C683

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 63EE36 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 #63EE36 looks like.

```
.text, #text, p{  
    color:#63EE36  
}
```

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 #63EE36 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #63EE36
}
```

## Border

The CSS property to change the border of an element to Hex 63EE36 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
#63EE36 }
```

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

```
.border{ border-color:#63EE36 }
```

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

Here you see how a box with a 4 pixel #63EE36 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #63EE36; -webkit-box-shadow:4px 4px  
4px 4px #63EE36; box-shadow:4px 4px 4px  
4px #63EE36 }
```

# Background

The CSS property to change the background color of an element to Hex 63EE36 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#63EE36 }
```

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

```
.background{ background-color:#63EE36 }
```

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