

Converting Colors

Hex(65FF00)

Have a look what the booklet for
Hex(65FF00) contains.

Hex(65FF00)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

Hex(65FF00)

Conversions

Conversions Part 1

Format	Color
Hex	65FF00
RGB	101, 255, 0
RGB Percent	40%, 100%, 0%
CMY	0.6039, 0.0000, 1.0000
CMYK	0.60, 0.00, 1.00, 0.00
HSL	96°, 100%, 50%
HSV	96°, 100%, 100%
XYZ	41.1268, 74.2867, 12.1712
YIQ	179.8840, -9.9290, -111.9530

Conversions

Conversions Part 2

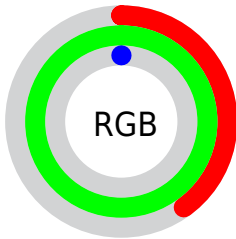
Format	Color
RYB	0, 255, 154
Decimal	6684416
CIELab	89.06, -74.66, 84.79
CIELCh	89, 112.973, 131.363
Yxy	74.2867, 0.3223, 0.5823
Android (android.graphics.Color)	4284874496 (0xFF65FF00)
YUV	179.8840, -88.6828, -69.1813
Hunter-Lab	86.1897, -65.6579, 51.9603

Details

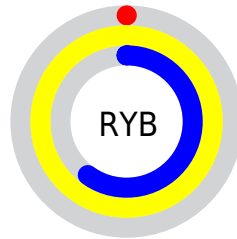
The Hex color **65FF00** is a dark color, and the websafe version is hex **66FF00**, and the color name is **green slime**. The color can be described as dark saturated chartreuse. A complement of this color would be **9A00FF**, and the grayscale version is **B5B5B5**.

A 20% lighter version of the original color is **A8FF5D**, and **00C500** is the 20% darker color. If you saturate the color by 10%, you get **65FF00**, and if you desaturate by 10%, it is **74FF19**.

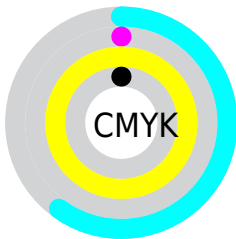
Distribution



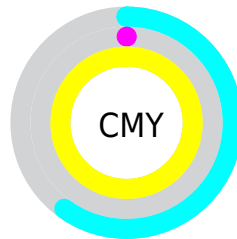
- Red (40%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (60%)



- Cyan (60%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)



- Cyan (60%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Hex color 65FF00 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 65FF00 by changing the saturation by 10% instead.

 65FF00

 65FF00

FFFFFF

 3EE200

 A8FF5D

 00C500

 C7FF7C

 00A900

 E7FF9A

 008D00

 FFFFB8

 007200

 FFFFD6

 005800

 FFFFF4

 003F00

 002500

 000000

 65FF00

 74FF19

 84FF33

 93FF4D

 A3FF66

 B2FF80

 C1FF99

 D1FFB3

 E0FFCC

 F0FFE6

Harmonies

Analogous

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



E7E800



65FF00



00FF96

Triad

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



65FF00



00FEFF



FF58BC

Complementary

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



65FF00



9A00FF

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.



FF6FFF



65FF00



00E0FF

Square

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



65FF00



00FFFF



FFADFF



FF8A54

Rectangle

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



65FF00



00FFE2



FFADFF



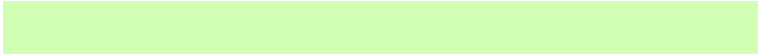
FF55E0

Sweetspot

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



65FF00



D1FFB3



FF9900



648052



000000



808080

Same Dimension

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



65FF00



00FF19



788073



4CBF00



194000

Inverse Universe

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



9A00FF



FF00E6



7A7380



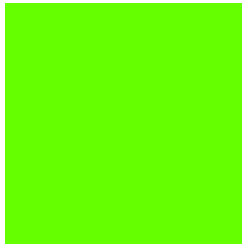
7400BF



270040

Previews

White Background



This preview shows how the Hex color 65FF00 looks on a white background.

Color Contrast Check

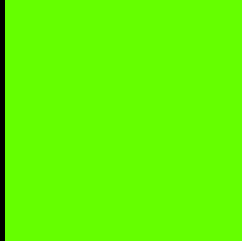
Large Text (above 18pt) WCAG AA × Fail

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 65FF00 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

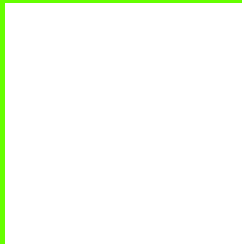
Any Text WCAG AAA ✓ Pass

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

Hex 65FF00 Background



This preview shows how black text looks on a background with the Hex color 65FF00.

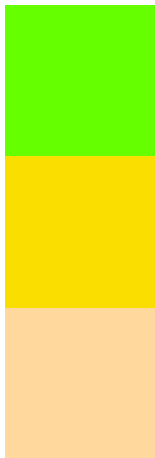


This preview shows how white text looks on a background with the Hex color 65FF00.

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](#).

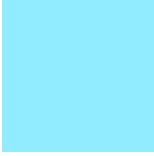
Dichromacy



Original Color
65FF00

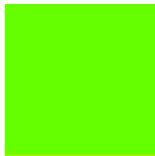
Protanopia
FADE00

Deuteranopia
FFD89E



Tritanopia
92ECFF

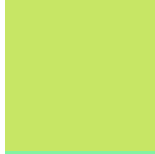
Trichromacy



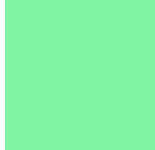
Original Color
65FF00



Protanomaly
C4EA00



Deuteranomaly
C7E665

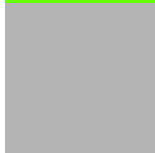


Tritanomaly
82F3A2

Monochromacy



Original Color
65FF00



Achromatopsia
B4B4B4



Achromatomaly
97CF73

CSS Examples

Text

The CSS property to change the color of the text to Hex 65FF00 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 #65FF00 looks like.

```
.text, #text, p{  
    color:#65FF00  
}
```

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 #65FF00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #65FF00
}
```

Border

The CSS property to change the border of an element to Hex 65FF00 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
#65FF00 }
```

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

```
.border{ border-color:#65FF00 }
```

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

Here you see how a box with a 4 pixel #65FF00 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #65FF00; -webkit-box-shadow:4px 4px  
4px 4px #65FF00; box-shadow:4px 4px 4px  
4px #65FF00 }
```

Background

The CSS property to change the background color of an element to Hex 65FF00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#65FF00 }
```

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

```
.background{ background-color:#65FF00 }
```

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