

Converting Colors

Hex(66FF66)

Have a look what the booklet for
Hex(66FF66) contains.

Hex(66FF66)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(66FF66)

Conversions

Conversions Part 1

Format	Color
Hex	66FF66
RGB	102, 255, 102
RGB Percent	40%, 100%, 40%
CMY	0.6000, 0.0000, 0.6000
CMYK	0.60, 0.00, 0.60, 0.00
HSL	120°, 100%, 70%
HSV	120°, 60%, 100%
XYZ	43.6378, 75.3041, 24.8056
YIQ	191.8110, -42.0750, -80.0190

Conversions

Conversions Part 2

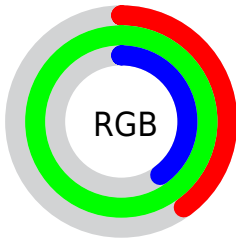
Format	Color
RYB	102, 255, 255
Decimal	6750054
CIELab	89.54, -69.17, 59.81
CIELCh	90, 91.439, 139.151
Yxy	75.3041, 0.3036, 0.5239
Android (android.graphics.Color)	4284940134 (0xFF66FF66)
YUV	191.8110, -44.2768, -78.7642
Hunter-Lab	86.7779, -62.0996, 43.7964

Details

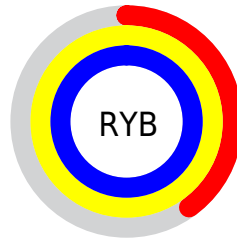
The Hex color **66FF66** is a light color, and the websafe version is hex **66FF66**, and the color name is **screamin' green**. A complement of this color would be **FF66FF**, and the grayscale version is **C0C0C0**.

A 20% lighter version of the original color is **A6FF9D**, and **00C52D** is the 20% darker color. If you saturate the color by 10%, you get **4DFF4D**, and if you desaturate by 10%, it is **80FF80**.

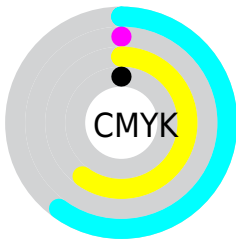
Distribution



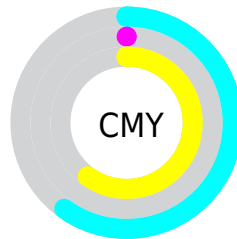
- Red (40%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (100%)



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



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

Brightness & Saturation Gradients

These gradients show how the Hex color 66FF66 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 66FF66 by changing the saturation by 10% instead.

 66FF66

 66FF66

FFFFFF

 42E24A

 A6FF9D

 00C52D

 C5FFBA

 00A904

 E4FFD6

 008D00

 FFFFF4

 007200

 005800

 003F00

 002700

 000000

 66FF66

 66FF66

 4DFF4D

 80FF80

 33FF33

 99FF99

 19FF19

 B3FFB3

 00FF00

 CCFFCC

 E6FFE6

FFFFFF

Harmonies

Analogous

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



D6EE0E



66FF66



00FFBD

Triad

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



66FF66



00F4FF



FF8CAD

Complementary

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



66FF66



FF66FF

Split Complementary

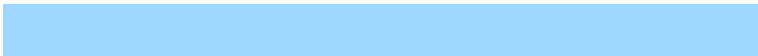
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



FF8DFF



66FF66



9ED7FF

Square

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



66FF66



00FFFF



FFB0FF



FFA500

Rectangle

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



66FF66



00FFFA



FFB0FF



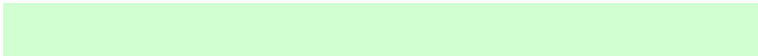
FF88CA

Sweetspot

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



66FF66



D1FFD1



FFFF66



638063



000000



808080

Same Dimension

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



66FF66



47FF47



66FFB3



738073



00BF00



004000

Inverse Universe

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



FF66FF



FF47FF



FF66B3



807380



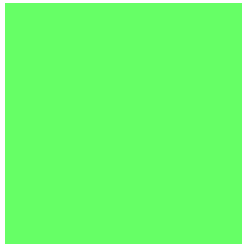
BF00BF



400040

Previews

White Background



This preview shows how the Hex color 66FF66 looks on a white background.

Color Contrast Check

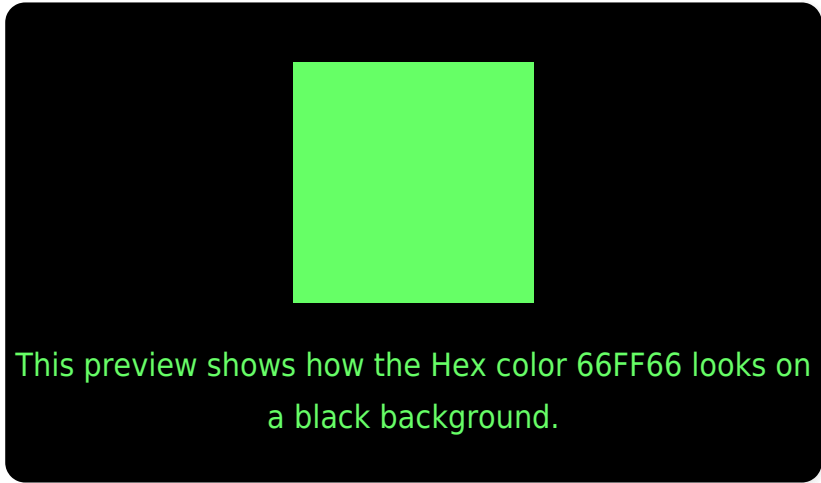
Large Text (above 18pt) WCAG AA × Fail

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 66FF66 Background



This preview shows how black text looks on a background with the Hex color 66FF66.

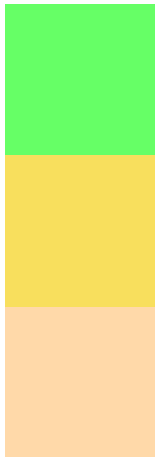


This preview shows how white text looks on a background with the Hex color 66FF66.

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](#).

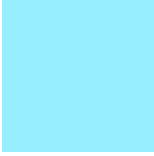
Dichromacy



Original Color
66FF66

Protanopia
F8DF5D

Deuteranopia
FFD9A9



Tritanopia
97EEFF

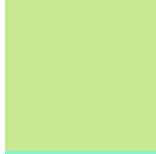
Trichromacy



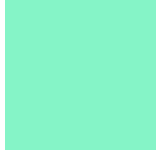
Original Color
66FF66



Protanomaly
C3EB60

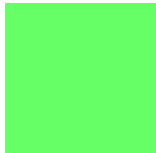


Deuteranomaly
C7E791

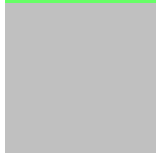


Tritanomaly
85F4C7

Monochromacy



Original Color
66FF66



Achromatopsia
C0C0C0



Achromatomaly
9FD79F

CSS Examples

Text

The CSS property to change the color of the text to Hex 66FF66 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 #66FF66 looks like.

```
.text, #text, p{  
    color:#66FF66  
}
```

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 #66FF66 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #66FF66
}
```

Border

The CSS property to change the border of an element to Hex 66FF66 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
#66FF66 }
```

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

```
.border{ border-color:#66FF66 }
```

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

Here you see how a box with a 4 pixel #66FF66 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #66FF66; -webkit-box-shadow:4px 4px  
4px 4px #66FF66; box-shadow:4px 4px 4px  
4px #66FF66 }
```

Background

The CSS property to change the background color of an element to Hex 66FF66 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#66FF66 }
```

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

```
.background{ background-color:#66FF66 }
```

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