

Converting Colors

Hex(46FF09)

Have a look what the booklet for
Hex(46FF09) contains.

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Color

Hex(46FF09)

Conversions

Conversions Part 1

Format	Color
Hex	46FF09
RGB	70, 255, 9
RGB Percent	27%, 100%, 4%
CMY	0.7255, 0.0000, 0.9647
CMYK	0.73, 0.00, 0.96, 0.00
HSL	105°, 100%, 52%
HSV	105°, 96%, 100%
XYZ	38.3351, 72.8418, 12.2979
YIQ	171.6410, -31.2940, -115.7260

Conversions

Conversions Part 2

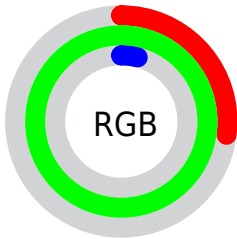
Format	Color
RYB	9, 255, 194
Decimal	4652809
CIELab	88.37, -80.46, 83.28
CIELCh	88, 115.795, 134.014
Yxy	72.8418, 0.3105, 0.5899
Android (android.graphics.Color)	4282842889 (0xFF46FF09)
YUV	171.6410, -80.1820, -89.1392
Hunter-Lab	85.3474, -69.1820, 51.2000

Details

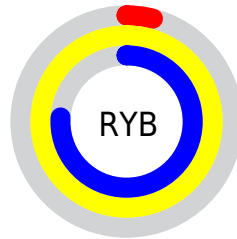
The Hex color **46FF09** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **C209FF**, and the grayscale version is **ACACAC**.

A 20% lighter version of the original color is **91FF5F**, and **00C500** is the 20% darker color. If you saturate the color by 10%, you get **3FFF00**, and if you desaturate by 10%, it is **59FF22**.

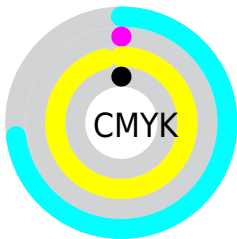
Distribution



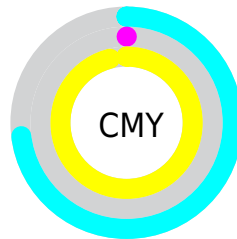
- Red (27%)
- Green (100%)
- Blue (4%)



- Red (4%)
- Yellow (100%)
- Blue (76%)



- Cyan (73%)
- Magenta (0%)
- Yellow (96%)
- Black (0%)



- Cyan (73%)
- Magenta (0%)
- Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the Hex color 46FF09 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 46FF09 by changing the saturation by 10% instead.

 46FF09

 46FF09

FFFFFF

 00E200

 91FF5F

 00C500

 B2FF7D

 00A800

 D2FF9B

 008C00

 F3FFB9

 007100

 FFFFD7

 005700

 FFFFF5

 003E00

 002400

 000000

 46FF09

 46FF09

 3FFF00

 59FF22

 6CFF3C

 80FF56

 93FF6F

 A6FF89

 B9FFA2

 CCFFBC

 DFFFD5

 F3FFEF

Harmonies

Analogous

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



DBE900



46FF09



00FF9C

Triad

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



46FF09



00FBFF



FF4EAF

Complementary

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



46FF09



C209FF

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.



FF60FF



46FF09



00DAFF

Square

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



46FF09



00FFFF



FFA4FF



FF8A44

Rectangle

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



46FF09



00FFEA



FFA4FF



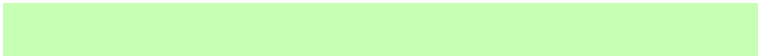
FF47D4

Sweetspot

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



46FF09



C7FFB5



FFC209



5E8053



000000



808080

Same Dimension

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



46FF09



3FFF00



09FF47



768073



2FBF00



104000

Inverse Universe

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



C209FF



C000FF



FF09C2



7C7380



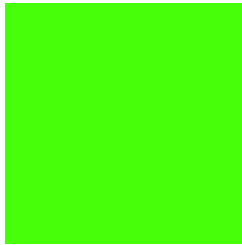
9000BF



300040

Previews

White Background



This preview shows how the Hex color 46FF09 looks on a white background.

Color Contrast Check

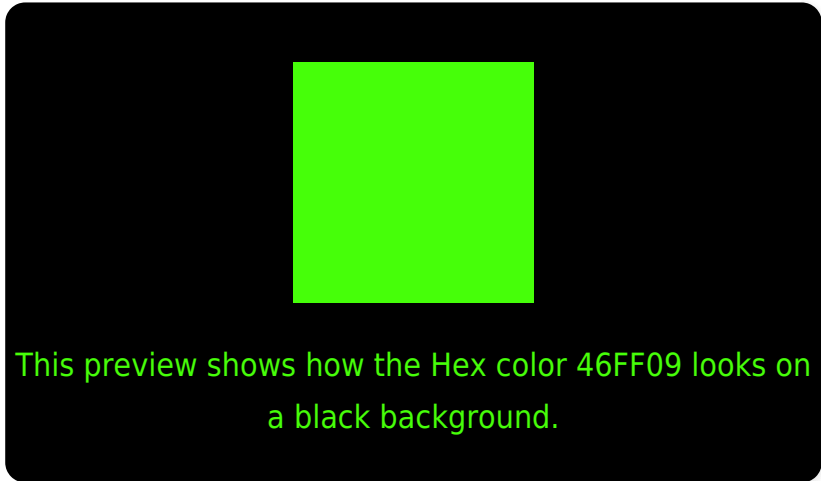
Large Text (above 18pt) WCAG AA × Fail

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 46FF09 Background



This preview shows how black text looks on a background with the Hex color 46FF09.

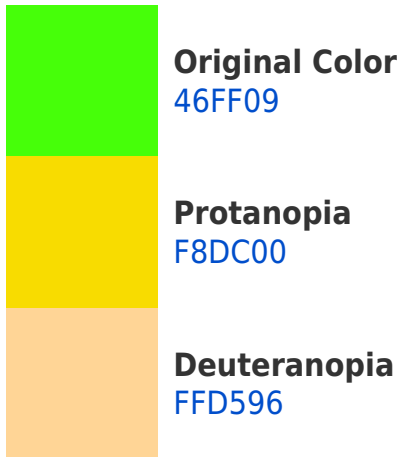


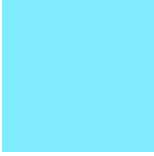
This preview shows how white text looks on a background with the Hex color 46FF09.

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](#).

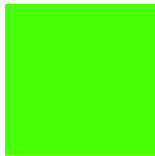
Dichromacy





Tritanopia
81ECFF

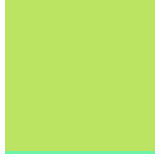
Trichromacy



Original Color
46FF09



Protanomaly
B7E903

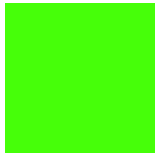


Deuteranomaly
BCE463

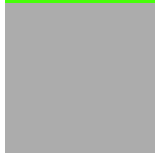


Tritanomaly
6CF3A6

Monochromacy



Original Color
46FF09



Achromatopsia
ACACAC



Achromatomaly
87CA71

CSS Examples

Text

The CSS property to change the color of the text to Hex 46FF09 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 #46FF09 looks like.

```
.text, #text, p{  
    color:#46FF09  
}
```

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 #46FF09 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46FF09
}
```

Border

The CSS property to change the border of an element to Hex 46FF09 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
#46FF09 }
```

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

```
.border{ border-color:#46FF09 }
```

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

Here you see how a box with a 4 pixel #46FF09 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46FF09; -webkit-box-shadow:4px 4px  
4px 4px #46FF09; box-shadow:4px 4px 4px  
4px #46FF09 }
```

Background

The CSS property to change the background color of an element to Hex 46FF09 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46FF09 }
```

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

```
.background{ background-color:#46FF09 }
```

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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