

# Converting Colors

Hex(46E20C)

Have a look what the booklet for  
Hex(46E20C) contains.

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**Color**

**Hex(46E20C)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 46E20C                       |
| RGB         | 70, 226, 12                  |
| RGB Percent | 27%, 89%, 5%                 |
| CMY         | 0.7255, 0.1137, 0.9529       |
| CMYK        | 0.69, 0.00, 0.95, 0.11       |
| HSL         | 104°, 90%, 47%               |
| HSV         | 104°, 95%, 89%               |
| XYZ         | 29.7885, 55.7213, 9.5331     |
| YIQ         | 154.9600, -24.2820, -99.6260 |

# Conversions

## Conversions Part 2

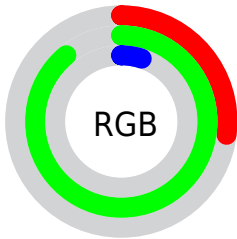
| <b>Format</b>                       | <b>Color</b>                    |
|-------------------------------------|---------------------------------|
| <b>RYB</b>                          | 12, 226, 168                    |
| Decimal                             | 4645388                         |
| CIELab                              | 79.45, -71.81, 75.77            |
| CIELCh                              | 79, 104.394, 133.465            |
| Yxy                                 | 55.7213, 0.3134,<br>0.5863      |
| Android<br>(android.graphics.Color) | 4282835468<br>(0xFF46E20C)      |
| YUV                                 | 154.9600, -70.4793,<br>-74.5099 |
| Hunter-Lab                          | 74.6467, -59.3996,<br>44.6808   |

# Details

The Hex color **46E20C** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **A80CE2**, and the grayscale version is **9C9C9C**.

A 20% lighter version of the original color is **8BFF5A**, and **00A900** is the 20% darker color. If you saturate the color by 10%, you get **3DE200**, and if you desaturate by 10%, it is **56E223**.

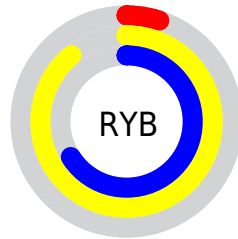
# Distribution



Red (27%)

Green (89%)

Blue (5%)



Red (5%)

Yellow (89%)

Blue (66%)

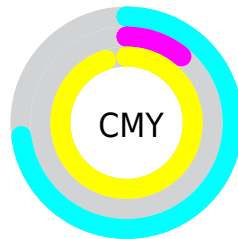


Cyan (69%)

Magenta (0%)

Yellow (95%)

Black (11%)



Cyan (73%)

Magenta (11%)

Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 46E20C 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 46E20C by changing the saturation by 10% instead.



 46E20C

 46E20C

FFFFFF

 0AC500

 8BFF5A

 00A900

 ABFF77

 008E00

 CBFF94

 007300

 EAFFB1


 005900

 FFFFCF

 004000

 FFFFEC

 002600

 000000

 46E20C

 46E20C

■ 3DE200

■ 56E223

■ 67E239

■ 77E250

■ 88E266

■ 98E27D

■ A9E294

■ B9E2AA

■ CAE2C1

■ DAE2D7

# Harmonies

## Analogous

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



C5CE00



46E20C



00EC89

# Triad

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



46E20C



00DFFF



FF499E

# Complementary

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



46E20C



A80CE2

# 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.



FF59FF



46E20C



00C2FF

# Square

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



46E20C



00ECFF



FD93FF



FF7B3F

# Rectangle

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



46E20C



00EFCE



FD93FF



FF44BE

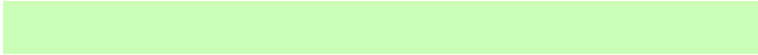


# Sweetspot

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



46E20C



CBFFB8



E2A50C



608054



000000



808080



# Same Dimension

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



46E20C



45FF00



0CE23A



687065



30B000



0D3000



# Inverse Universe

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



A80CE2



BA00FF



E20CB4



6D6570



8000B0

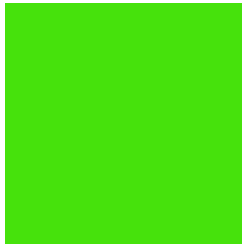


230030



# Previews

## White Background



This preview shows how the Hex color 46E20C 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 46E20C looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

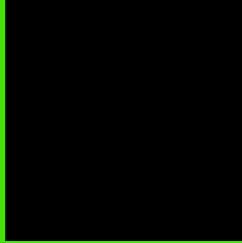
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 46E20C Background



This preview shows how black text looks on a background with the Hex color 46E20C.

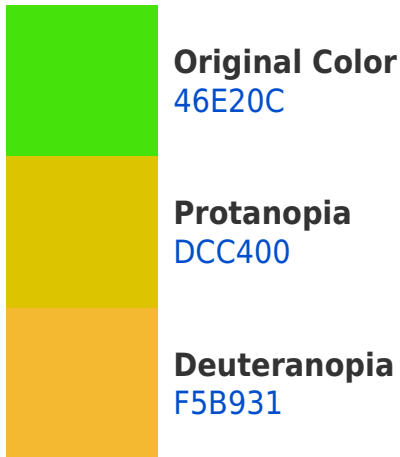


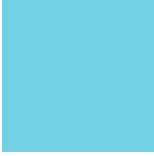
This preview shows how white text looks on a background with the Hex color 46E20C.

# 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](#).

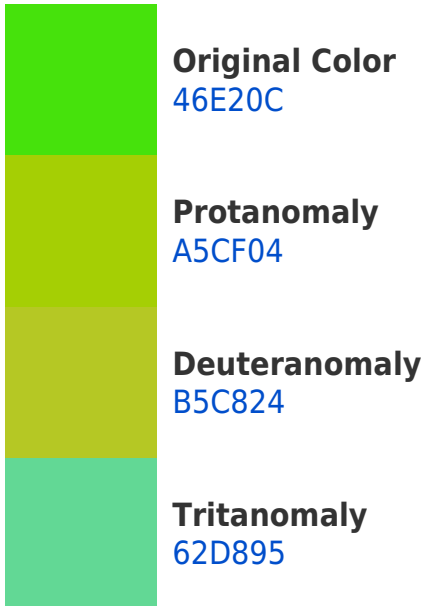
## Dichromacy



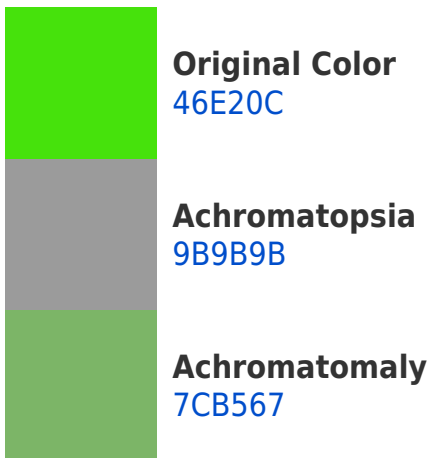


**Tritanopia**  
72D2E3

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 46E20C 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 #46E20C looks like.

```
.text, #text, p{  
    color:#46E20C  
}
```

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 #46E20C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46E20C
}
```

## Border

The CSS property to change the border of an element to Hex 46E20C 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
#46E20C }
```

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

```
.border{ border-color:#46E20C }
```

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

Here you see how a box with a 4 pixel #46E20C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46E20C; -webkit-box-shadow:4px 4px  
4px 4px #46E20C; box-shadow:4px 4px 4px  
4px #46E20C }
```

# Background

The CSS property to change the background color of an element to Hex 46E20C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46E20C }
```

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

```
.background{ background-color:#46E20C }
```

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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