

Converting Colors

Hex(46E402)

Have a look what the booklet for
Hex(46E402) contains.

Hex(46E402)	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(46E402)

Conversions

Conversions Part 1

Format	Color
Hex	46E402
RGB	70, 228, 2
RGB Percent	27%, 89%, 1%
CMY	0.7255, 0.1059, 0.9922
CMYK	0.69, 0.00, 0.99, 0.11
HSL	102°, 98%, 45%
HSV	102°, 99%, 89%
XYZ	30.2801, 56.7933, 9.4237
YIQ	154.9940, -21.6220, -103.7820

Conversions

Conversions Part 2

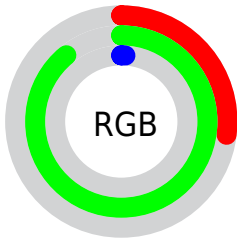
Format	Color
RYB	2, 228, 160
Decimal	4645890
CIELab	80.06, -72.58, 77.16
CIELCh	80, 105.928, 133.247
Yxy	56.7933, 0.3138, 0.5885
Android (android.graphics.Color)	4282835970 (0xFF46E402)
YUV	154.9940, -75.4260, -74.5397
Hunter-Lab	75.3613, -60.1611, 45.3389

Details

The Hex color **46E402** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **A002E4**, and the grayscale version is **9C9C9C**.

A 20% lighter version of the original color is **8CFF57**, and **00AB00** is the 20% darker color. If you saturate the color by 10%, you get **45E400**, and if you desaturate by 10%, it is **56E419**.

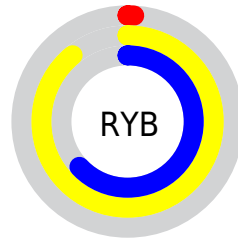
Distribution



Red (27%)

Green (89%)

Blue (1%)



Red (1%)

Yellow (89%)

Blue (63%)

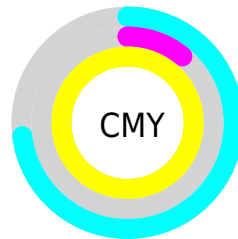


Cyan (69%)

Magenta (0%)

Yellow (99%)

Black (11%)



Cyan (73%)

Magenta (11%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the Hex color 46E402 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 46E402 by changing the saturation by 10% instead.

 46E402

 46E402

FFFFFF

 08C700

 8CFF57

 00AB00

 ACFF75

 008F00

 CBFF93

 007400

 EBFFB0

 005A00

 FFFFCD

 004100

 FFFFEB

 002800

 000000

 46E402

 46E402

 45E400

 56E419

 66E430

 76E446

 86E45D

 96E474

 A6E48B

 B6E4A2

 C6E4B8

 D5E4CF

Harmonies

Analogous

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



C7D000



46E402



00EE89

Triad

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



46E402



00E2FF



FF479F

Complementary

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



46E402



A002E4

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.



FF58FF



46E402



00C4FF

Square

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



46E402



00EFFF



FF94FF



FF7B3F

Rectangle

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



46E402



00F1CF



FF94FF



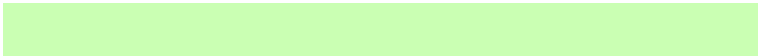
FF41C0

Sweetspot

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



46E402



CAFFB3



E49C02



5F8052



000000



808080

Same Dimension

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



46E402



4DFF00



02E42B



6B7367



36B300



0F3300

Inverse Universe

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



A002E4



B200FF



E402BB



6F6773



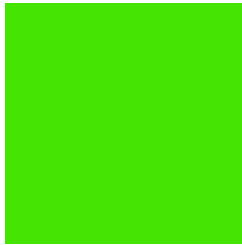
7D00B3



240033

Previews

White Background



This preview shows how the Hex color 46E402 looks on a white background.

Color Contrast Check

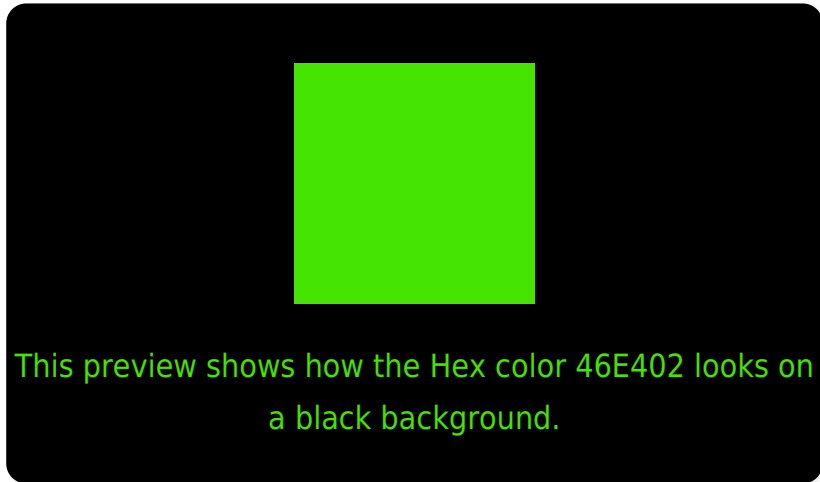
Large Text (above 18pt) WCAG AA × Fail

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

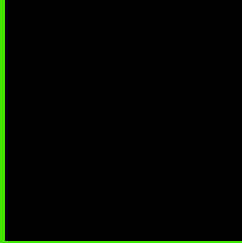
Any Text WCAG AA ✓ Pass

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 46E402 Background



This preview shows how black text looks on a background with the Hex color 46E402.

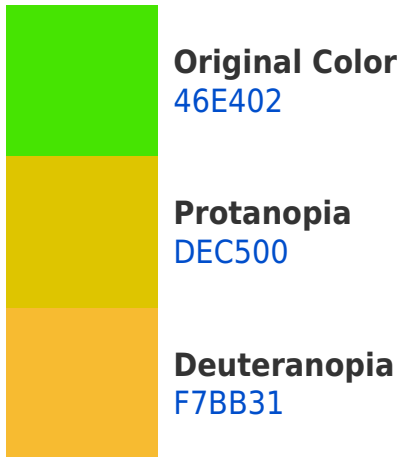


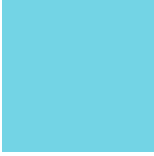
This preview shows how white text looks on a background with the Hex color 46E402.

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](#).

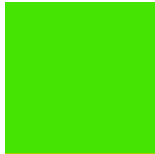
Dichromacy





Tritanopia
73D4E5

Trichromacy



Original Color
46E402



Protanomaly
A7D001



Deuteranomaly
B7CA20



Tritanomaly
63DA92

Monochromacy



Original Color
46E402



Achromatopsia
9B9B9B



Achromatomaly
7CB663

CSS Examples

Text

The CSS property to change the color of the text to Hex 46E402 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 #46E402 looks like.

```
.text, #text, p{  
    color:#46E402  
}
```

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 #46E402 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46E402
}
```

Border

The CSS property to change the border of an element to Hex 46E402 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
#46E402 }
```

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

```
.border{ border-color:#46E402 }
```

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

Here you see how a box with a 4 pixel #46E402 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46E402; -webkit-box-shadow:4px 4px  
4px 4px #46E402; box-shadow:4px 4px 4px  
4px #46E402 }
```

Background

The CSS property to change the background color of an element to Hex 46E402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46E402 }
```

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

```
.background{ background-color:#46E402 }
```

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