

Converting Colors

Hex(46E146)

Have a look what the booklet for
Hex(46E146) contains.

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Color

Hex(46E146)

Conversions

Conversions Part 1

Format	Color
Hex	46E146
RGB	70, 225, 70
RGB Percent	27%, 88%, 27%
CMY	0.7255, 0.1176, 0.7255
CMYK	0.69, 0.00, 0.69, 0.12
HSL	120°, 72%, 58%
HSV	120°, 69%, 88%
XYZ	30.5565, 55.5947, 14.9147
YIQ	160.9850, -42.6250, -81.0650

Conversions

Conversions Part 2

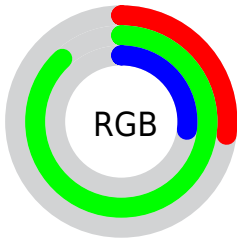
Format	Color
RYB	70, 225, 225
Decimal	4645190
CIELab	79.38, -68.61, 61.36
CIELCh	79, 92.040, 138.194
Yxy	55.5947, 0.3023, 0.5501
Android (android.graphics.Color)	4282835270 (0xFF46E146)
YUV	160.9850, -44.8556, -79.7938
Hunter-Lab	74.5619, -57.3315, 40.3334

Details

The Hex color **46E146** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **E146E1**, and the grayscale version is **A1A1A1**.

A 20% lighter version of the original color is **8AFF7E**, and **00A800** is the 20% darker color. If you saturate the color by 10%, you get **30E130**, and if you desaturate by 10%, it is **5DE15D**.

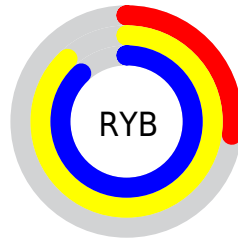
Distribution



Red (27%)

Green (88%)

Blue (27%)



Red (27%)

Yellow (88%)

Blue (88%)

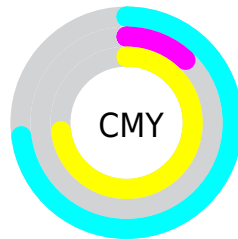


Cyan (69%)

Magenta (0%)

Yellow (69%)

Black (12%)



Cyan (73%)

Magenta (12%)

Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Hex color 46E146 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 46E146 by changing the saturation by 10% instead.

 46E146

 46E146

FFFFFF

 11C428

 8AFF7E

 00A800

 A9FF99

 008D00

 C8FFB6

 007200

 E7FFD3

 005800

 FFFFF0

 003F00

 002600

 000000

 46E146

 46E146

 30E130

 5DE15D

 19E119

 73E173

 03E103

 8AE18A

 00E100

 A0E1A0

 B7E1B7

 CDE1CD

 E3E1E3

 FAE1FA

 FFE1FF

Harmonies

Analogous

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



BAD000



46E146



00E99F

Triad

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



46E146



00D9FF



FF6A95

Complementary

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



46E146



E146E1

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.



FF6CEA



46E146



6FBDFE

Square

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



46E146



00E7FF



FF94FF



FF8E44

Rectangle

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



46E146



00EBDB



FF94FF



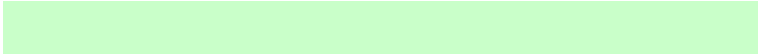
FF65B1

Sweetspot

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



46E146



C9FFC9



E1E146



608060



000000



808080

Same Dimension

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



46E146



2BFF2B



46E193



657065



00B000



003000

Inverse Universe

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



E146E1



FF2BFF



E14693



706570



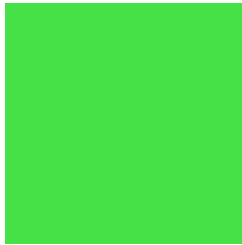
B000B0



300030

Previews

White Background



This preview shows how the Hex color 46E146 looks on a white background.

Color Contrast Check

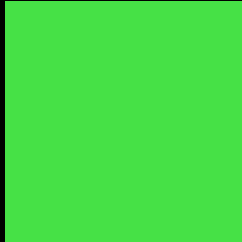
Large Text (above 18pt) WCAG AA × Fail

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 46E146 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 46E146 Background



This preview shows how black text looks on a background with the Hex color 46E146.

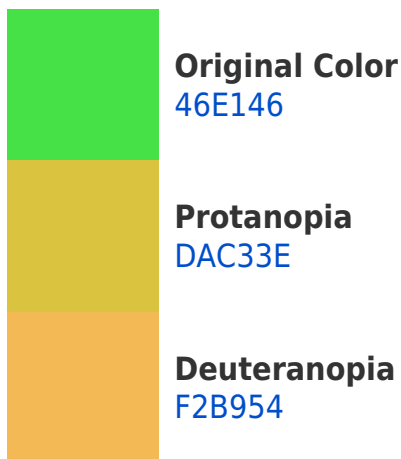


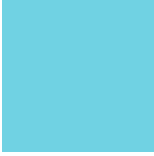
This preview shows how white text looks on a background with the Hex color 46E146.

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](#).

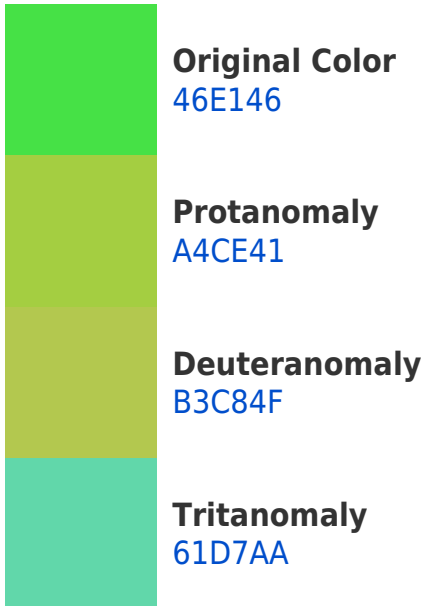
Dichromacy



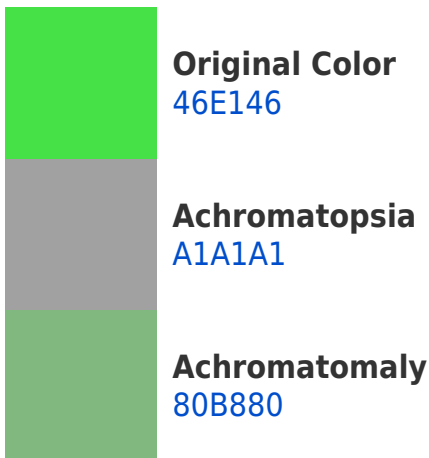


Tritanopia
70D2E3

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 46E146 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 #46E146 looks like.

```
.text, #text, p{  
    color:#46E146  
}
```

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 #46E146 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46E146
}
```

Border

The CSS property to change the border of an element to Hex 46E146 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
#46E146 }
```

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

```
.border{ border-color:#46E146 }
```

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

Here you see how a box with a 4 pixel #46E146 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46E146; -webkit-box-shadow:4px 4px  
4px 4px #46E146; box-shadow:4px 4px 4px  
4px #46E146 }
```

Background

The CSS property to change the background color of an element to Hex 46E146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46E146 }
```

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

```
.background{ background-color:#46E146 }
```

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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