

Converting Colors

Hex(46C835)

Have a look what the booklet for
Hex(46C835) contains.

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Color

Hex(46C835)

Conversions

Conversions Part 1

Format	Color
Hex	46C835
RGB	70, 200, 53
RGB Percent	27%, 78%, 21%
CMY	0.7255, 0.2157, 0.7922
CMYK	0.65, 0.00, 0.73, 0.22
HSL	113°, 58%, 50%
HSV	113°, 74%, 78%
XYZ	23.8227, 42.8677, 10.3869
YIQ	144.3720, -30.2930, -73.2770

Conversions

Conversions Part 2

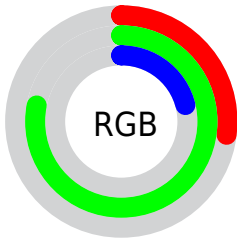
Format	Color
RYB	53, 200, 183
Decimal	4638773
CIELab	71.47, -61.76, 59.42
CIElCh	71, 85.698, 136.105
Yxy	42.8677, 0.3091, 0.5562
Android (android.graphics.Color)	4282828853 (0xFF46C835)
YUV	144.3720, -45.0464, -65.2242
Hunter-Lab	65.4734, -49.6308, 36.4255

Details

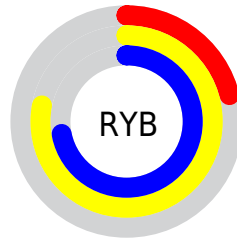
The Hex color **46C835** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **B735C8**, and the grayscale version is **919191**.

A 20% lighter version of the original color is **86FF6D**, and **009100** is the 20% darker color. If you saturate the color by 10%, you get **34C821**, and if you desaturate by 10%, it is **58C849**.

Distribution



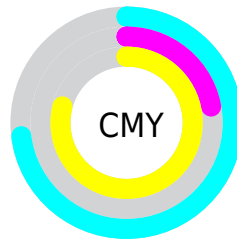
- Red (27%)
- Green (78%)
- Blue (21%)



- Red (21%)
- Yellow (78%)
- Blue (72%)



- Cyan (65%)
- Magenta (0%)
- Yellow (73%)
- Black (22%)



- Cyan (73%)
- Magenta (22%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the Hex color 46C835 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 46C835 by changing the saturation by 10% instead.

 46C835

 46C835

FFFFFF

 1BAC13

 86FF6D

 009100

 A4FF88

 007600

 C2FFA4

 005C00

 E0FFC0

 004300

 FFFFDD

 002C00

 FFFFFB

 000A00

 000000

 46C835

 46C835

 34C821

 58C849

 23C80D

 69C85D

 17C800

 7BC871

 8DC885

 9EC899

 B0C8AD

 C2C8C1

 D3C8D5

 E5C8E9

Harmonies

Analogous

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



ABB800



46C835



00D087

Triad

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



46C835



00C3FF



FF5A89

Complementary

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



46C835



B735C8

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.



FF5FD7



46C835



49AAFF

Square

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



46C835



00CFFF



E685FF



FF7A3F

Rectangle

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



46C835



00D2BD



E685FF



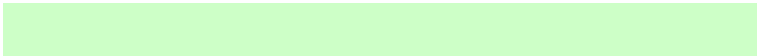
FF56A2

Sweetspot

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



46C835



CDFFC7



C8B735



62805E



000000



808080

Same Dimension

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



46C835



39FF1F



35C86D



5B635A



13A300



042400

Inverse Universe

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



B735C8



E51FFF



C83590



625A63



9000A3



200024

Previews

White Background



This preview shows how the Hex color 46C835 looks on a white background.

Color Contrast Check

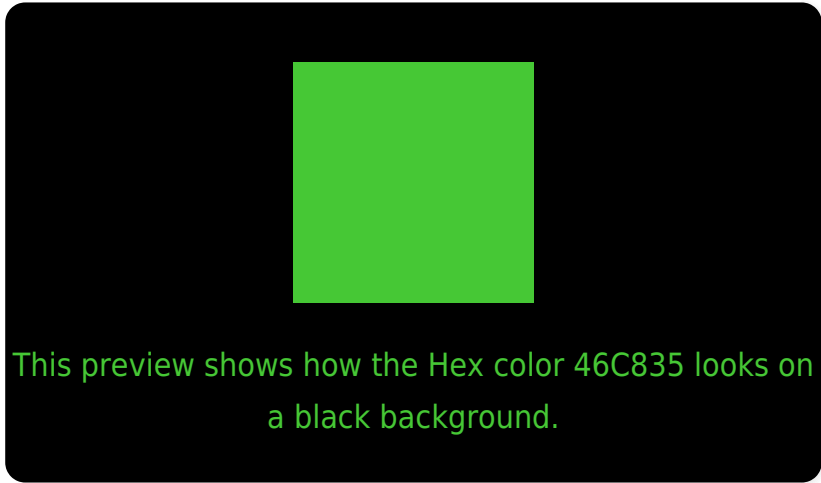
Large Text (above 18pt) WCAG AA × Fail

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 46C835 Background



This preview shows how black text looks on a background with the Hex color 46C835.

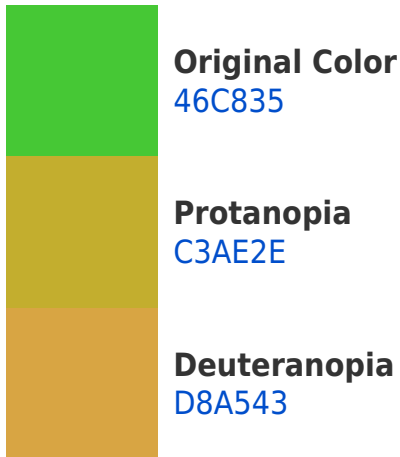


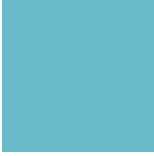
This preview shows how white text looks on a background with the Hex color 46C835.

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
69BBCA

Trichromacy



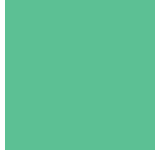
Original Color
46C835



Protanomaly
96B731



Deuteranomaly
A3B23E



Tritanomaly
5CC094

Monochromacy



Original Color
46C835



Achromatopsia
909090



Achromatomaly
75A46F

CSS Examples

Text

The CSS property to change the color of the text to Hex 46C835 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 #46C835 looks like.

```
.text, #text, p{  
    color:#46C835  
}
```

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 #46C835 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46C835
}
```

Border

The CSS property to change the border of an element to Hex 46C835 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
#46C835 }
```

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

```
.border{ border-color:#46C835 }
```

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

Here you see how a box with a 4 pixel #46C835 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46C835; -webkit-box-shadow:4px 4px  
4px 4px #46C835; box-shadow:4px 4px 4px  
4px #46C835 }
```

Background

The CSS property to change the background color of an element to Hex 46C835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46C835 }
```

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

```
.background{ background-color:#46C835 }
```

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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