

# Converting Colors

Hex(46B52E)

Have a look what the booklet for  
Hex(46B52E) contains.

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**Color**

**Hex(46B52E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	46B52E
RGB	70, 181, 46
RGB Percent	27%, 71%, 18%
CMY	0.7255, 0.2902, 0.8196
CMYK	0.61, 0.00, 0.75, 0.29
HSL	109°, 59%, 45%
HSV	109°, 75%, 71%
XYZ	19.5428, 34.5471, 8.2230
YIQ	132.4210, -22.8210, -65.5170

# Conversions

## Conversions Part 2

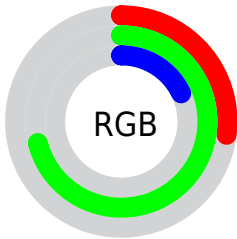
<b>Format</b>	<b>Color</b>
<b>RYB</b>	46, 181, 157
Decimal	4633902
CIELab	65.39, -55.73, 55.80
CIElCh	65, 78.859, 134.964
Yxy	34.5471, 0.3136, 0.5544
Android (android.graphics.Color)	4282823982 (0xFF46B52E)
YUV	132.4210, -42.6056, -54.7432
Hunter-Lab	58.7768, -43.5096, 32.8489

# Details

The Hex color **46B52E** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **9D2EB5**, and the grayscale version is **858585**.

A 20% lighter version of the original color is **83EE65**, and **007F00** is the 20% darker color. If you saturate the color by 10%, you get **37B51C**, and if you desaturate by 10%, it is **55B540**.

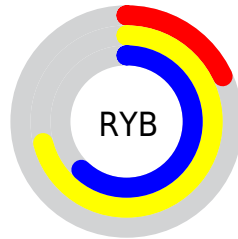
# Distribution



Red (27%)

Green (71%)

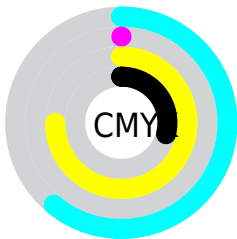
Blue (18%)



Red (18%)

Yellow (71%)

Blue (62%)

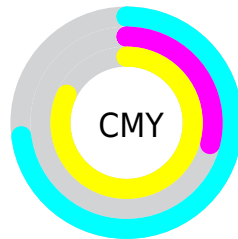


Cyan (61%)

Magenta (0%)

Yellow (75%)

Black (29%)



Cyan (73%)

Magenta (29%)

Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 46B52E 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 46B52E by changing the saturation by 10% instead.



 46B52E

 46B52E

FFFFFF

 219A0A

 83EE65

 007F00

 A0FF80

 006500

 BDFF9B

 004C00

 DBFFB7

 003400

 F9FFD4

 001B00

 FFFFF1

 000000

 46B52E

 46B52E

 37B51C

 55B540

 28B50A

 64B552

 20B500

 73B564

 82B576

 90B589

 9FB59B

 AEB5AD

 BDB5BF

 CCB5D1

# Harmonies

## Analogous

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



9EA600



46B52E



00BC77

# Triad

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



46B52E



00B1FF



FF527F

# Complementary

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



46B52E



9D2EB5

# 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.



FF58C5



46B52E



399BFF

# Square

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



46B52E



00BCFF



CD7AFF



FF6E3C

# Rectangle

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



46B52E



00BEA9



CD7AFF



FF4F96

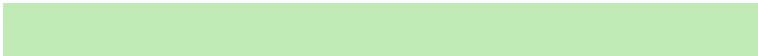


# Sweetspot

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



46B52E



C0EBB7



B59C2E



5C7557



F5F5F5



757575



# Same Dimension

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



46B52E



3DEB17



2EB559



525950



1B9900



051A00



# Inverse Universe

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



9D2EB5



C517EB



B52E8A



585059



7E0099



15001A



# Previews

## White Background



This preview shows how the Hex color 46B52E looks on a white background.

## Color Contrast Check

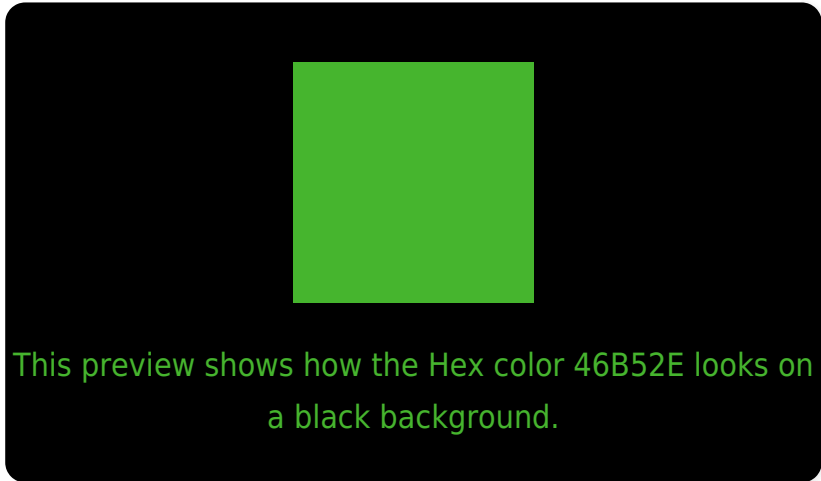
Large Text (above 18pt) WCAG AA × Fail

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 46B52E Background



This preview shows how black text looks on a background with the Hex color 46B52E.

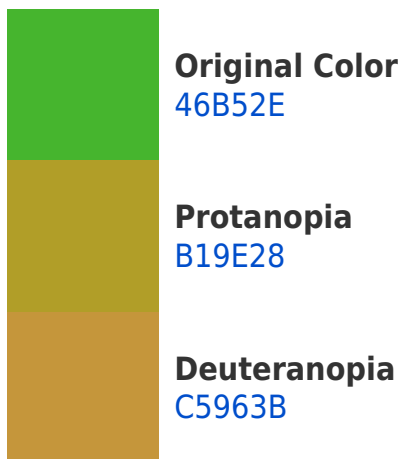


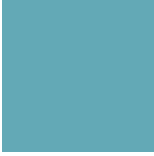
This preview shows how white text looks on a background with the Hex color 46B52E.

# 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](#).

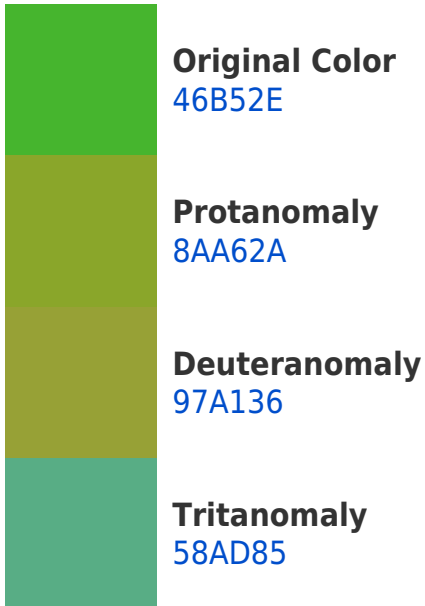
## Dichromacy





**Tritanopia**  
63A9B6

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 46B52E 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 #46B52E looks like.

```
.text, #text, p{  
    color:#46B52E  
}
```

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 #46B52E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46B52E
}
```

## Border

The CSS property to change the border of an element to Hex 46B52E 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
#46B52E }
```

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

```
.border{ border-color:#46B52E }
```

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

Here you see how a box with a 4 pixel #46B52E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46B52E; -webkit-box-shadow:4px 4px  
4px 4px #46B52E; box-shadow:4px 4px 4px  
4px #46B52E }
```

# Background

The CSS property to change the background color of an element to Hex 46B52E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46B52E }
```

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

```
.background{ background-color:#46B52E }
```

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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