

# Converting Colors

Hex(45B02E)

Have a look what the booklet for  
Hex(45B02E) contains.

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**Color**

**Hex(45B02E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	45B02E
RGB	69, 176, 46
RGB Percent	27%, 69%, 18%
CMY	0.7294, 0.3098, 0.8196
CMYK	0.61, 0.00, 0.74, 0.31
HSL	109°, 59%, 44%
HSV	109°, 74%, 69%
XYZ	18.4727, 32.5131, 7.8868
YIQ	129.1870, -22.0420, -63.1140

# Conversions

## Conversions Part 2

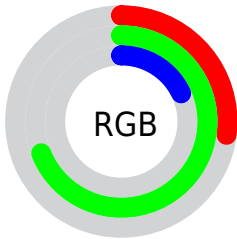
<b>Format</b>	<b>Color</b>
<b>RYB</b>	46, 176, 153
Decimal	4567086
CIELab	63.76, -54.19, 54.16
CIELCh	64, 76.612, 135.018
Yxy	32.5131, 0.3138, 0.5523
Android (android.graphics.Color)	4282757166 (0xFF45B02E)
YUV	129.1870, -41.0112, -52.7840
Hunter-Lab	57.0203, -41.9573, 31.7134

# Details

The Hex color **45B02E** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **992EB0**, and the grayscale version is **828282**.

A 20% lighter version of the original color is **81E964**, and **007A00** is the 20% darker color. If you saturate the color by 10%, you get **37B01C**, and if you desaturate by 10%, it is **53B040**.

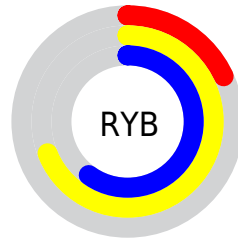
# Distribution



Red (27%)

Green (69%)

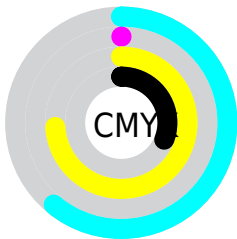
Blue (18%)



Red (18%)

Yellow (69%)

Blue (60%)

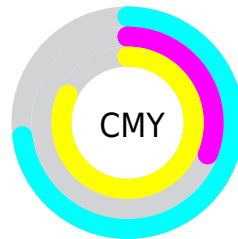


Cyan (61%)

Magenta (0%)

Yellow (74%)

Black (31%)



Cyan (73%)

Magenta (31%)

Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 45B02E 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 45B02E by changing the saturation by 10% instead.





45B02E



45B02E

FFFFFF



21950C



81E964



007A00



9EFF7F



006000



BBFF9B



004700



D9FFB6



003100



F7FFD3



001600



FFFFFF0



000000



45B02E



45B02E



37B01C



53B040

 28B00B

 62B051

 1FB000

 70B063

 7FB074

 8DB086

 9CB098

 AAB0A9

 B9B0BB

 C7B0CC

# Harmonies

## Analogous

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



99A200



45B02E



00B775

# Triad

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



45B02E



00ACFF



FF517B

# Complementary

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



45B02E



992EB0

# 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.



FF57C0



45B02E



3B97FF

# Square

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



45B02E



00B6FA



C877FC



FF6C3B

# Rectangle

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



45B02E



00B9A4



C877FC



FF4E92



# Sweetspot

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



45B02E



BCE6B3



B0982E



5A7355



F2F2F2



737373



# Same Dimension

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



45B02E



3DE619



2EB057



525950



1B9900



051A00



# Inverse Universe

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



992EB0



C119E6



B02E87



585059



7E0099



15001A



# Previews

## White Background



This preview shows how the Hex color 45B02E looks on a white background.

## Color Contrast Check

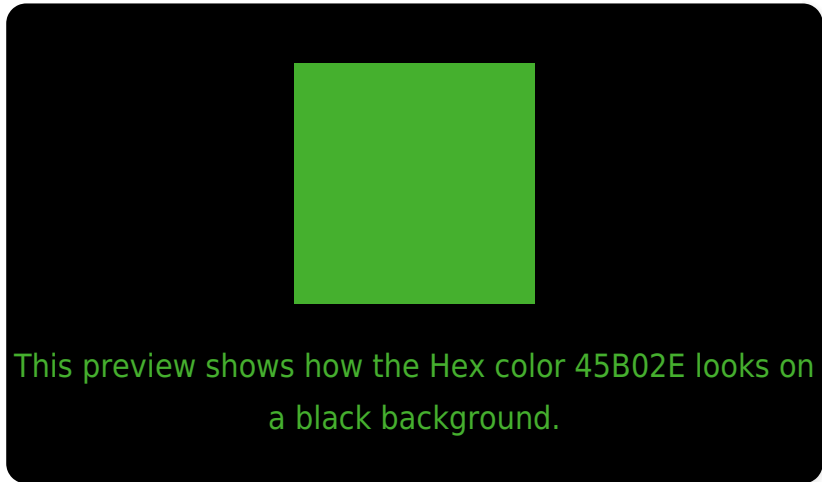
Large Text (above 18pt) WCAG AA × Fail

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

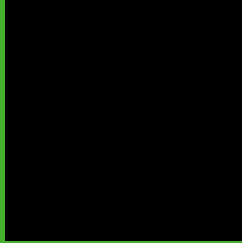
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 45B02E Background



This preview shows how black text looks on a background with the Hex color 45B02E.



This preview shows how white text looks on a background with the Hex color 45B02E.

# 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



**Original Color**  
45B02E

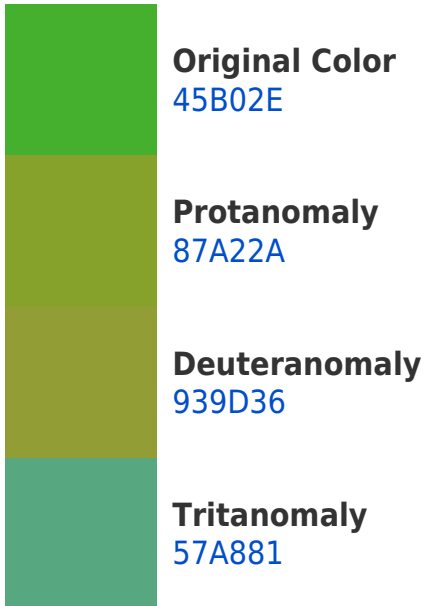
**Protanopia**  
AC9A28

**Deuteranopia**  
BF923A

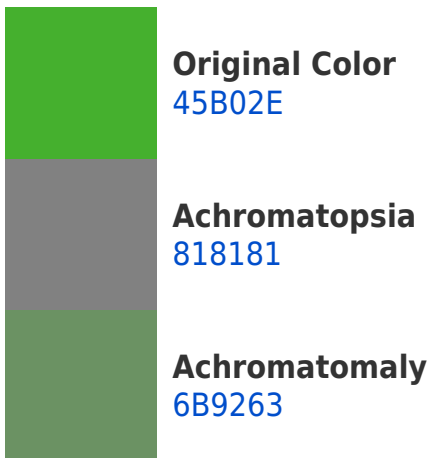


**Tritanopia**  
61A4B1

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 45B02E 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 #45B02E looks like.

```
.text, #text, p{  
    color:#45B02E  
}
```

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 #45B02E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #45B02E
}
```

## Border

The CSS property to change the border of an element to Hex 45B02E is called "border". The border property can be set on classes, ids or directly on the HTML element.

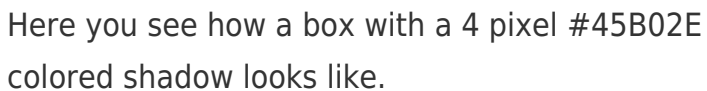
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#45B02E }
```

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

```
.border{ border-color:#45B02E }
```

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



Here you see how a box with a 4 pixel #45B02E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #45B02E; -webkit-box-shadow:4px 4px  
4px 4px #45B02E; box-shadow:4px 4px 4px  
4px #45B02E }
```

# Background

The CSS property to change the background color of an element to Hex 45B02E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#45B02E }
```

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

```
.background{ background-color:#45B02E }
```

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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