

# Converting Colors

Hex(46B143)

Have a look what the booklet for  
Hex(46B143) contains.

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**Color**

**Hex(46B143)**

# Conversions

## Conversions Part 1

Format	Color
Hex	46B143
RGB	70, 177, 67
RGB Percent	27%, 69%, 26%
CMY	0.7255, 0.3059, 0.7373
CMYK	0.60, 0.00, 0.62, 0.31
HSL	118°, 45%, 48%
HSV	118°, 62%, 69%
XYZ	19.2610, 33.1516, 10.6939
YIQ	132.4670, -28.4620, -56.8940

# Conversions

## Conversions Part 2

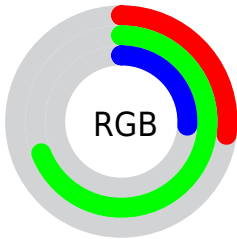
Format	Color
<a href="#">RYB</a>	<a href="#">67, 177, 174</a>
Decimal	<a href="#">4632899</a>
CIELab	<a href="#">64.28, -52.36, 46.14</a>
CIELCh	<a href="#">64, 69.794, 138.613</a>
Yxy	<a href="#">33.1516, 0.3052, 0.5253</a>
Android (android.graphics.Color)	<a href="#">4282822979 (0xFF46B143)</a>
YUV	<a href="#">132.4670, -32.2752, -54.7836</a>
Hunter-Lab	<a href="#">57.5774, -41.0480, 29.2922</a>

# Details

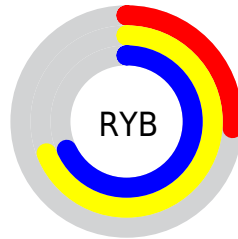
The Hex color **46B143** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **AE43B1**, and the grayscale version is **858585**.

A 20% lighter version of the original color is **81EA77**, and **007B0A** is the 20% darker color. If you saturate the color by 10%, you get **35B131**, and if you desaturate by 10%, it is **57B155**.

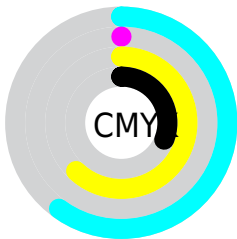
# Distribution



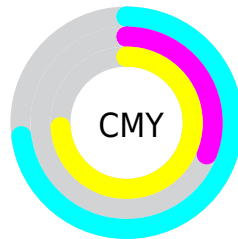
- Red (27%)
- Green (69%)
- Blue (26%)



- Red (26%)
- Yellow (69%)
- Blue (68%)



- Cyan (60%)
- Magenta (0%)
- Yellow (62%)
- Black (31%)



- Cyan (73%)
- Magenta (31%)
- Yellow (74%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 46B143 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 46B143 by changing the saturation by 10% instead.



 46B143

 46B143

FFFFFF

 239629

 81EA77

 007B0A

 9EFF92

 006100

 BBFFAD

 004800

 D8FFC9

 003100

 F6FFE6

 001800

 000000

 46B143

 46B143

 35B131

 57B155

 24B120

 68B166

 12B10E

 7AB178

 05B100

 8BB18A

 9CB19C

 ADB1AD

 BFB1BF

 D0B1D1

 E1B1E2

# Harmonies

## Analogous

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



95A504



46B143



00B781

# Triad

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



46B143



00A AFF



FF5F78

# Complementary

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



46B143



AE43B1

# 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.



FF60B6



46B143



6995FF

# Square

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



46B143



00B5F8



CF79EF



F7763F

# Rectangle

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



46B143



00B9AD



CF79EF



FF5C8C



# Sweetspot

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



46B143



BBE6BA



B1AD43



597358



F2F2F2



737373



# Same Dimension

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



46B143



3EE639



43B176



515950



049900



011A00



# Inverse Universe

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



AE43B1



E139E6



B1437E



595059



950099



19001A



# Previews

## White Background



This preview shows how the Hex color 46B143 looks on a white background.

## Color Contrast Check

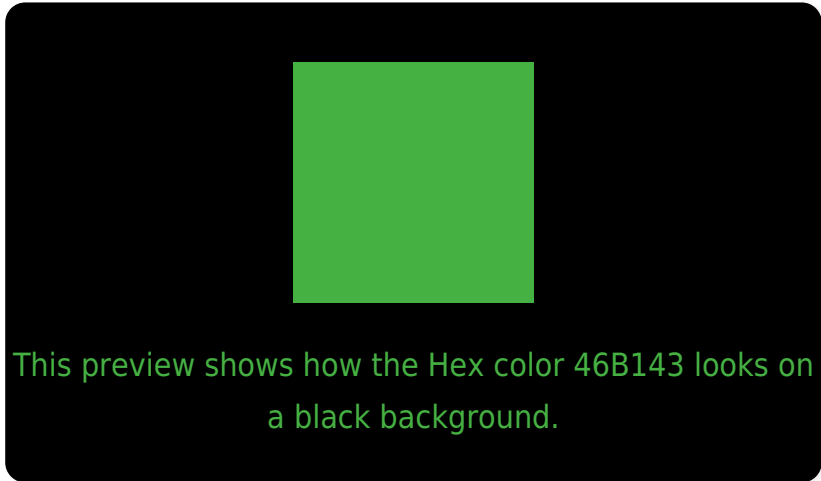
Large Text (above 18pt) WCAG AA × Fail

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

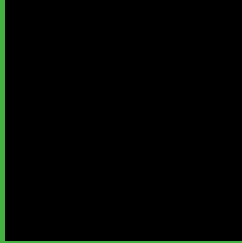
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 46B143 Background



This preview shows how black text looks on a background with the Hex color 46B143.

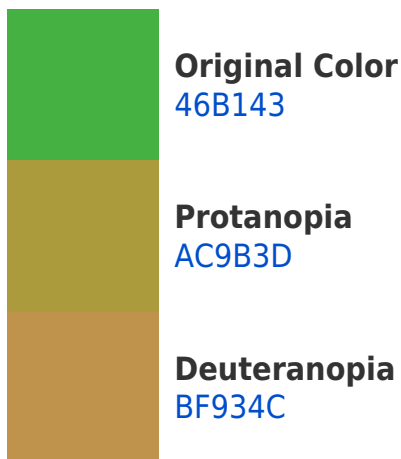


This preview shows how white text looks on a background with the Hex color 46B143.

# 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](#).

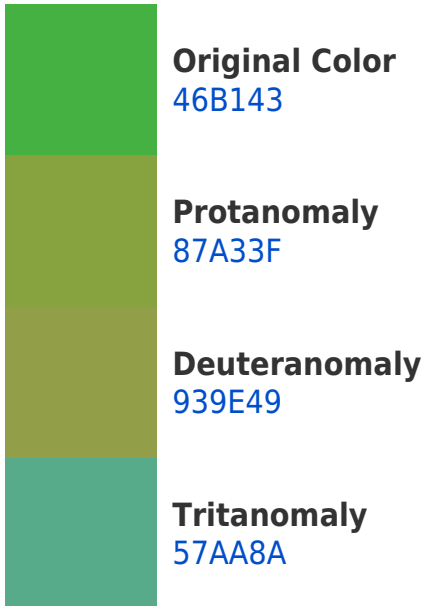
## Dichromacy



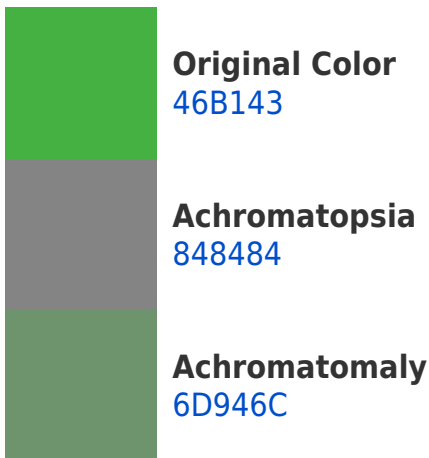


**Tritanopia**  
61A6B3

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 46B143 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 #46B143 looks like.

```
.text, #text, p{  
    color:#46B143  
}
```

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 #46B143 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46B143
}
```

## Border

The CSS property to change the border of an element to Hex 46B143 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
#46B143 }
```

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

```
.border{ border-color:#46B143 }
```

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

Here you see how a box with a 4 pixel #46B143 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46B143; -webkit-box-shadow:4px 4px  
4px 4px #46B143; box-shadow:4px 4px 4px  
4px #46B143 }
```

# Background

The CSS property to change the background color of an element to Hex 46B143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46B143 }
```

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

```
.background{ background-color:#46B143 }
```

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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