

Converting Colors

Hex(46B249)

Have a look what the booklet for
Hex(46B249) contains.

Hex(46B249)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(46B249)

Conversions

Conversions Part 1

Format	Color
Hex	46B249
RGB	70, 178, 73
RGB Percent	27%, 70%, 29%
CMY	0.7255, 0.3020, 0.7137
CMYK	0.61, 0.00, 0.59, 0.30
HSL	122°, 44%, 49%
HSV	122°, 61%, 70%
XYZ	19.6488, 33.6239, 11.7578
YIQ	133.7380, -30.6630, -55.5510

Conversions

Conversions Part 2

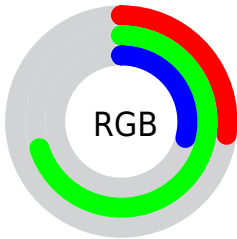
Format	Color
RYB	70, 175, 178
Decimal	4633161
CIELab	64.66, -52.04, 43.83
CIELCh	65, 68.042, 139.893
Yxy	33.6239, 0.3021, 0.5170
Android (android.graphics.Color)	4282823241 (0xFF46B249)
YUV	133.7380, -29.9438, -55.8982
Hunter-Lab	57.9861, -40.9905, 28.5681

Details

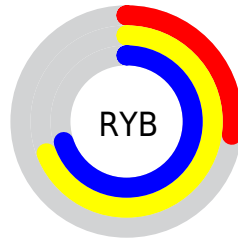
The Hex color **46B249** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **B246AF**, and the grayscale version is **868686**.

A 20% lighter version of the original color is **81EB7D**, and **007C14** is the 20% darker color. If you saturate the color by 10%, you get **34B238**, and if you desaturate by 10%, it is **58B25A**.

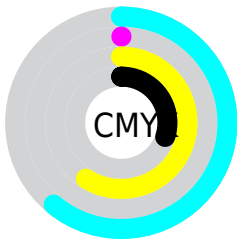
Distribution



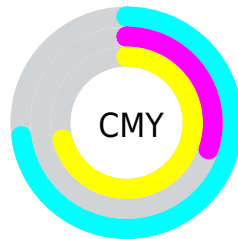
- Red (27%)
- Green (70%)
- Blue (29%)



- Red (27%)
- Yellow (69%)
- Blue (70%)



- Cyan (61%)
- Magenta (0%)
- Yellow (59%)
- Black (30%)



- Cyan (73%)
- Magenta (30%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Hex color 46B249 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 46B249 by changing the saturation by 10% instead.

 46B249

 46B249

FFFFFF

 23972F

 81EB7D

 007C14

 9EFF98

 006200

 BBFFB3

 004900

 D8FFCF

 003200

 F6FFEC

 001900

 000000

 46B249


 46B249

 34B238

 58B25A

 22B226

 6AB26C

 11B215

 7BB27D

 00B205

 8DB28E

 9FB2A0

 B1B2B1

 C3B2C2

 D4B2D3

 E6B2E5

Harmonies

Analogous

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



94A614



46B249



00B885

Triad

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



46B249



00AAFF



FF6377

Complementary

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



46B249



B246AF

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.



FF63B4



46B249



7395FF

Square

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



46B249



00B5F9



D27AEC



F57940

Rectangle

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



46B249



00B9B0



D27AEC



FF608B

Sweetspot

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



46B249



BEE8BF



B0B246



5B755C



F5F5F5



757575

Same Dimension

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



46B249



3FE843



46B27E



505951



009904



001A01

Inverse Universe

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



B246AF



E83FE3



B2467A



595059



990095



1A0019

Previews

White Background



This preview shows how the Hex color 46B249 looks on a white background.

Color Contrast Check

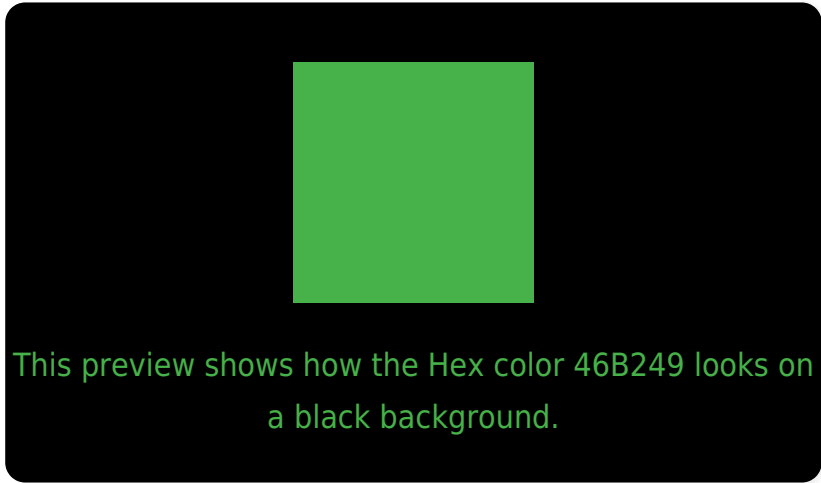
Large Text (above 18pt) WCAG AA × Fail

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

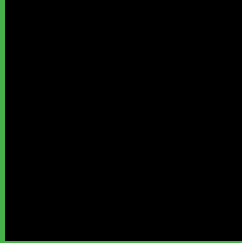
Any Text WCAG AA ✓ Pass

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 46B249 Background



This preview shows how black text looks on a background with the Hex color 46B249.

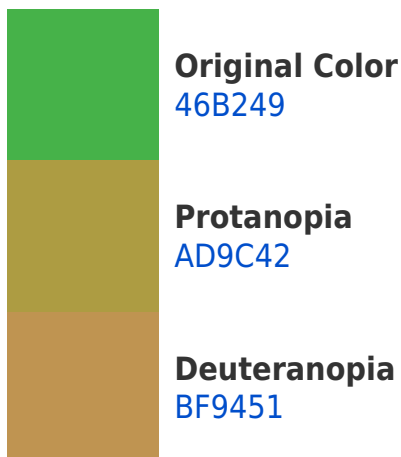


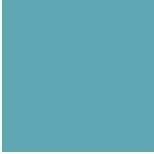
This preview shows how white text looks on a background with the Hex color 46B249.

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
60A7B4

Trichromacy



Original Color
46B249



Protanomaly
88A445



Deuteranomaly
939F4E



Tritanomaly
57AB8D

Monochromacy



Original Color
46B249



Achromatopsia
868686



Achromatomaly
6F9670

CSS Examples

Text

The CSS property to change the color of the text to Hex 46B249 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 #46B249 looks like.

```
.text, #text, p{  
    color:#46B249  
}
```

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 #46B249 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46B249
}
```

Border

The CSS property to change the border of an element to Hex 46B249 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
#46B249 }
```

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

```
.border{ border-color:#46B249 }
```

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

Here you see how a box with a 4 pixel #46B249 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46B249; -webkit-box-shadow:4px 4px  
4px 4px #46B249; box-shadow:4px 4px 4px  
4px #46B249 }
```

Background

The CSS property to change the background color of an element to Hex 46B249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46B249 }
```

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

```
.background{ background-color:#46B249 }
```

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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