

Converting Colors

Hex(46A844)

Have a look what the booklet for
Hex(46A844) contains.

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Color

Hex(46A844)

Conversions

Conversions Part 1

Format	Color
Hex	46A844
RGB	70, 168, 68
RGB Percent	27%, 66%, 27%
CMY	0.7255, 0.3412, 0.7333
CMYK	0.58, 0.00, 0.60, 0.34
HSL	119°, 42%, 46%
HSV	119°, 60%, 66%
XYZ	17.5718, 29.7247, 10.2802
YIQ	127.2980, -26.3080, -51.8760

Conversions

Conversions Part 2

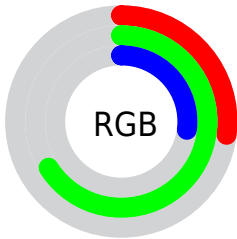
Format	Color
RYB	68, 168, 166
Decimal	4630596
CIELab	61.42, -48.85, 42.41
CIELCh	61, 64.690, 139.041
Yxy	29.7247, 0.3052, 0.5163
Android (android.graphics.Color)	4282820676 (0xFF46A844)
YUV	127.2980, -29.2339, -50.2503
Hunter-Lab	54.5204, -37.8805, 26.9848

Details

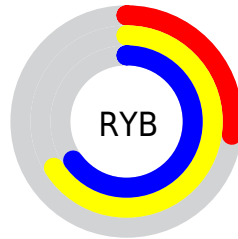
The Hex color **46A844** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **A644A8**, and the grayscale version is **808080**.

A 20% lighter version of the original color is **7FE077**, and **00730F** is the 20% darker color. If you saturate the color by 10%, you get **36A833**, and if you desaturate by 10%, it is **56A855**.

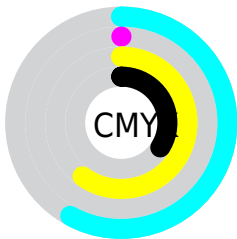
Distribution



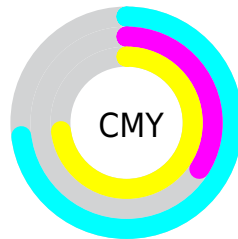
- Red (27%)
- Green (66%)
- Blue (27%)



- Red (27%)
- Yellow (66%)
- Blue (65%)



- Cyan (58%)
- Magenta (0%)
- Yellow (60%)
- Black (34%)



- Cyan (73%)
- Magenta (34%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Hex color 46A844 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 46A844 by changing the saturation by 10% instead.



46A844



46A844

FFFFFF



268D2B



7FE077



00730F



9CFD92



005900



B9FFAD



004100



D6FFC9



002C00



F3FFE6



000A00



000000



46A844



46A844



36A833



56A855

 25A822

 67A866

 15A812

 77A876

 04A801

 88A887

 03A800

 98A898

 A9A8A9

 B9A8BA

 CAA8CA

 DAA8DB

Harmonies

Analogous

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



8E9C13



46A844



00AE7D

Triad

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



46A844



00A1FF



FB5E72

Complementary

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



46A844



A644A8

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.



F15FAC



46A844



6A8EFF

Square

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



46A844



00ABEA



C474E0



E9723F

Rectangle

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



46A844



00AFA5



C474E0



FB5B85

Sweetspot

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



46A844



B5DBB4



A8A544



566E56



EDEDED



6E6E6E

Same Dimension

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



46A844



43DB40



44A873



4C544C



039400



001400

Inverse Universe

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



A644A8



D840DB



A84479



544C54



910094



140014

Previews

White Background



This preview shows how the Hex color 46A844 looks on a white background.

Color Contrast Check

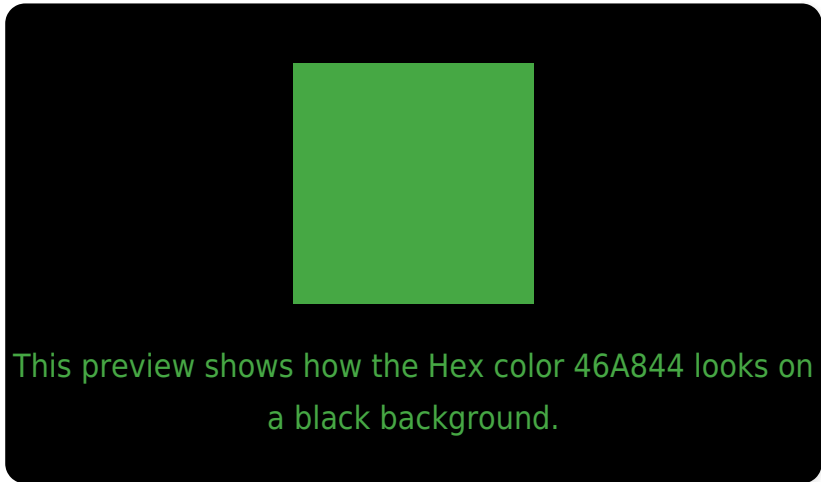
Large Text (above 18pt) WCAG AA ✓ Pass

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

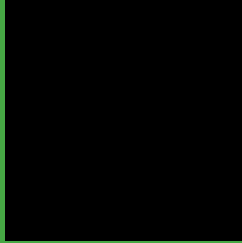
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Hex 46A844 Background



This preview shows how black text looks on a background with the Hex color 46A844.

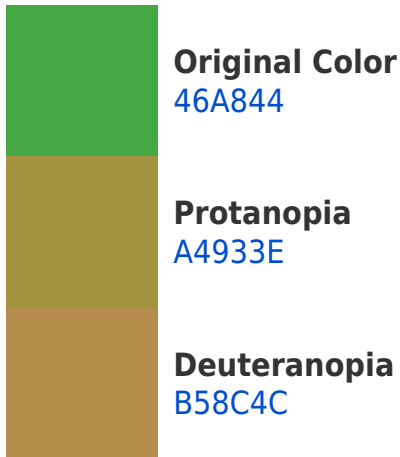


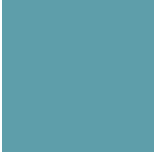
This preview shows how white text looks on a background with the Hex color 46A844.

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
5E9EAA

Trichromacy



Original Color

46A844



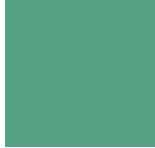
Protanomaly

829B40



Deuteranomaly

8D9649



Tritanomaly

55A285

Monochromacy



Original Color

46A844



Achromatopsia

7F7F7F



Achromatomaly

6A8E6A

CSS Examples

Text

The CSS property to change the color of the text to Hex 46A844 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 #46A844 looks like.

```
.text, #text, p{  
    color:#46A844  
}
```

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 #46A844 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46A844
}
```

Border

The CSS property to change the border of an element to Hex 46A844 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
#46A844 }
```

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

```
.border{ border-color:#46A844 }
```

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

Here you see how a box with a 4 pixel #46A844 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46A844; -webkit-box-shadow:4px 4px  
4px 4px #46A844; box-shadow:4px 4px 4px  
4px #46A844 }
```

Background

The CSS property to change the background color of an element to Hex 46A844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46A844 }
```

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

```
.background{ background-color:#46A844 }
```

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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