

Converting Colors

Hex(46A852)

Have a look what the booklet for
Hex(46A852) contains.

Hex(46A852)	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(46A852)

Conversions

Conversions Part 1

Format	Color
Hex	46A852
RGB	70, 168, 82
RGB Percent	27%, 66%, 32%
CMY	0.7255, 0.3412, 0.6784
CMYK	0.58, 0.00, 0.51, 0.34
HSL	127°, 41%, 47%
HSV	127°, 58%, 66%
XYZ	18.0514, 29.9166, 12.8057
YIQ	128.8940, -30.8020, -47.5220

Conversions

Conversions Part 2

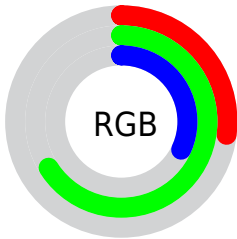
Format	Color
RYB	70, 157, 168
Decimal	4630610
CIELab	61.58, -47.00, 35.77
CIELCh	62, 59.066, 142.725
Yxy	29.9166, 0.2970, 0.4923
Android (android.graphics.Color)	4282820690 (0xFF46A852)
YUV	128.8940, -23.1187, -51.6500
Hunter-Lab	54.6960, -36.8074, 24.4059

Details

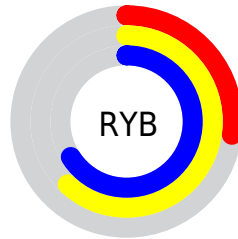
The Hex color **46A852** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **A8469C**, and the grayscale version is **818181**.

A 20% lighter version of the original color is **7FE085**, and **007321** is the 20% darker color. If you saturate the color by 10%, you get **35A843**, and if you desaturate by 10%, it is **57A861**.

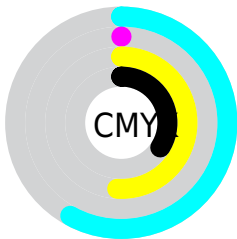
Distribution



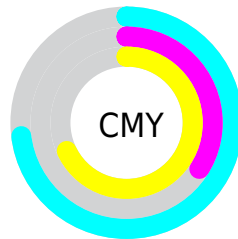
- Red (27%)
- Green (66%)
- Blue (32%)



- Red (27%)
- Yellow (62%)
- Blue (66%)



- Cyan (58%)
- Magenta (0%)
- Yellow (51%)
- Black (34%)



- Cyan (73%)
- Magenta (34%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Hex color 46A852 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 46A852 by changing the saturation by 10% instead.

 46A852

 46A852

FFFFFF

 268D39

 7FE085

 007321

 9BFDA0

 005906

 B8FFBB

 004100

 D5FFD7

 002B00

 F2FFF4

 000B00

 000000

 46A852

 46A852

 35A843

 57A861

 24A835

 68A86F

 14A826

 78A87E

 03A817

 89A88D

 00A815

 9AA89C

 ABA8AA

 BCA8B9

 CCA8C8

 DDA8D7

Harmonies

Analogous

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



899E2A



46A852



00AD86

Triad

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



46A852



009EFC



F3676F

Complementary

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



46A852



A8469C

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.



ED65A4



46A852



7F8CF6

Square

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



46A852



00A9E7



C876D5



E07942

Rectangle

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



46A852



00AEAA



C876D5



F46481

Sweetspot

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



46A852



B4DBB9



9DA846



566E58



EDEDED



6E6E6E

Same Dimension

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



46A852



42DB55



46A882



4C544D



009412



001402

Inverse Universe

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



A8469C



DB42C9



A8466C



544C53



940082



140012

Previews

White Background



This preview shows how the Hex color 46A852 looks on a white background.

Color Contrast Check

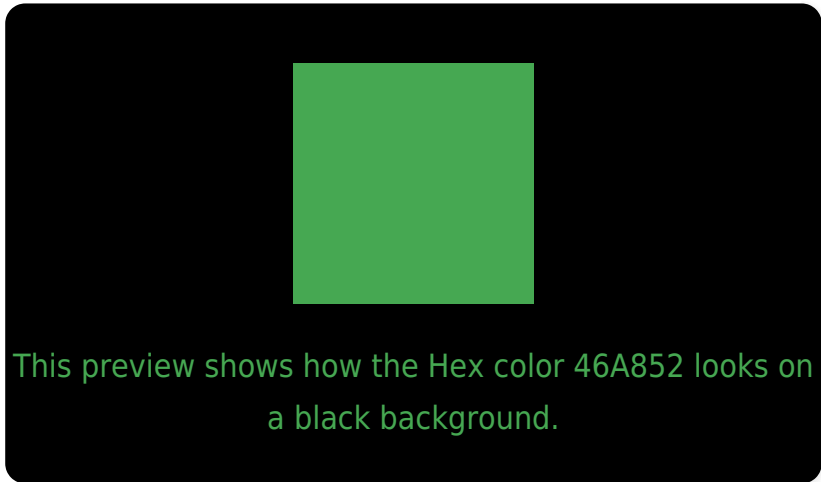
Large Text (above 18pt) WCAG AA ✓ Pass

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

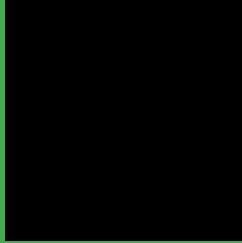
Any Text WCAG AA ✓ Pass

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 46A852 Background



This preview shows how black text looks on a background with the Hex color 46A852.



This preview shows how white text looks on a background with the Hex color 46A852.

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
46A852

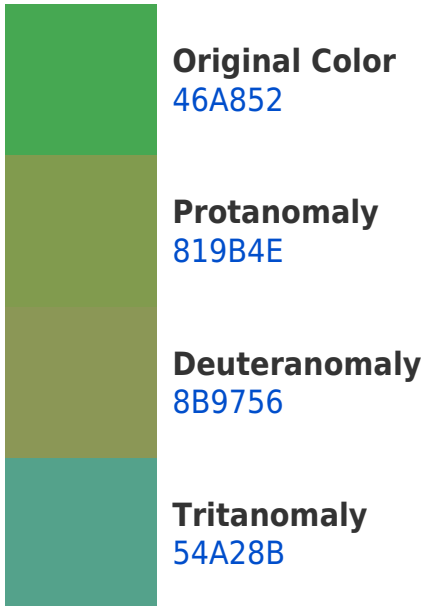
Protanopia
A3944B

Deuteranopia
B38D59

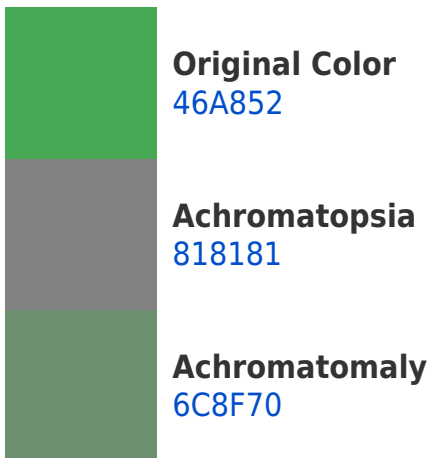


Tritanopia
5C9EAB

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 46A852 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 #46A852 looks like.

```
.text, #text, p{  
    color:#46A852  
}
```

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 #46A852 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46A852
}
```

Border

The CSS property to change the border of an element to Hex 46A852 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
#46A852 }
```

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

```
.border{ border-color:#46A852 }
```

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

Here you see how a box with a 4 pixel #46A852 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46A852; -webkit-box-shadow:4px 4px  
4px 4px #46A852; box-shadow:4px 4px 4px  
4px #46A852 }
```

Background

The CSS property to change the background color of an element to Hex 46A852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46A852 }
```

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

```
.background{ background-color:#46A852 }
```

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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