

Converting Colors

Hex(42BD46)

Have a look what the booklet for
Hex(42BD46) contains.

Hex(42BD46)	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(42BD46)

Conversions

Conversions Part 1

Format	Color
Hex	42BD46
RGB	66, 189, 70
RGB Percent	26%, 74%, 27%
CMY	0.7412, 0.2588, 0.7255
CMYK	0.65, 0.00, 0.63, 0.26
HSL	122°, 48%, 50%
HSV	122°, 65%, 74%
XYZ	21.5499, 37.9956, 11.9924
YIQ	138.6570, -35.1090, -63.0850

Conversions

Conversions Part 2

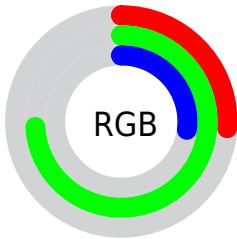
Format	Color
RYB	66, 185, 189
Decimal	4373830
CIELab	68.02, -57.26, 48.99
CIElCh	68, 75.354, 139.450
Yxy	37.9956, 0.3012, 0.5311
Android (android.graphics.Color)	4282563910 (0xFF42BD46)
YUV	138.6570, -33.8479, -63.7202
Hunter-Lab	61.6406, -45.4666, 31.6133

Details

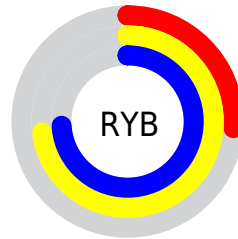
The Hex color **42BD46** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **BD42B9**, and the grayscale version is **8B8B8B**.

A 20% lighter version of the original color is **80F67B**, and **00860B** is the 20% darker color. If you saturate the color by 10%, you get **2FBD34**, and if you desaturate by 10%, it is **55BD58**.

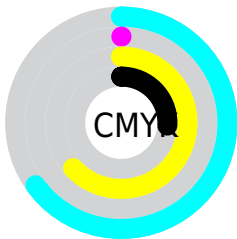
Distribution



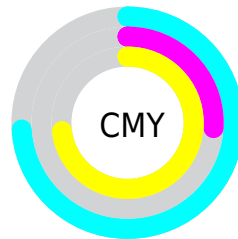
- Red (26%)
- Green (74%)
- Blue (27%)



- Red (26%)
- Yellow (73%)
- Blue (74%)



- Cyan (65%)
- Magenta (0%)
- Yellow (63%)
- Black (26%)



- Cyan (74%)
- Magenta (26%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Hex color 42BD46 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 42BD46 by changing the saturation by 10% instead.

 42BD46

 42BD46

FFFFFF

 19A12B

 80F67B

 00860B

 9DFF96

 006C00

 BBFFB1

 005200

 D9FFCD

 003A00

 F7FFEA

 002300

 000000

 42BD46

 42BD46

 2FBD34

 55BD58

 1CBD21

 68BD6B

 09BD0F

 7BBD7D

 00BD06

 8EBD8F

 A1BDA1

 B3BDB4

 C6BDC6

 D9BDD8

 ECBDEB

Harmonies

Analogous

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



9CB000



42BD46



00C48B

Triad

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



42BD46



00B5FF



FF637D

Complementary

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



42BD46



BD42B9

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.



FF63C1



42BD46



719EFF

Square

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



42BD46



00C1FF



DF7EFF



FF7D3E

Rectangle

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



42BD46



00C5BA



DF7EFF



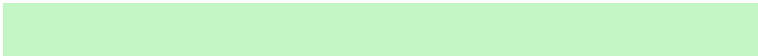
FF5F93

Sweetspot

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



42BD46



C4F5C5



BBBD42



5D7A5E



FAFAFA



7A7A7A

Same Dimension

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



42BD46



36F53C



42BD82



555E55



009E05



001F01

Inverse Universe

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



BD42B9



F536EF



BD427D



5E555E



9E0099



1F001E

Previews

White Background



This preview shows how the Hex color 42BD46 looks on a white background.

Color Contrast Check

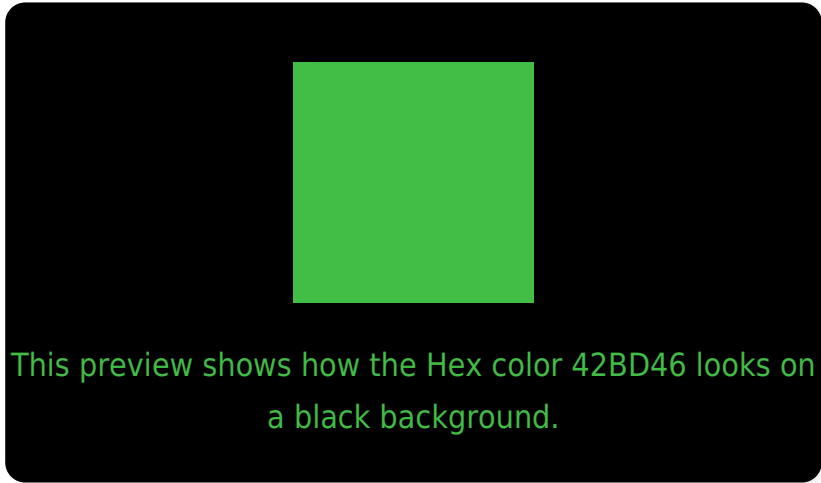
Large Text (above 18pt) WCAG AA × Fail

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

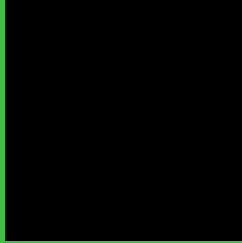
Any Text WCAG AA ✓ Pass

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 42BD46 Background



This preview shows how black text looks on a background with the Hex color 42BD46.

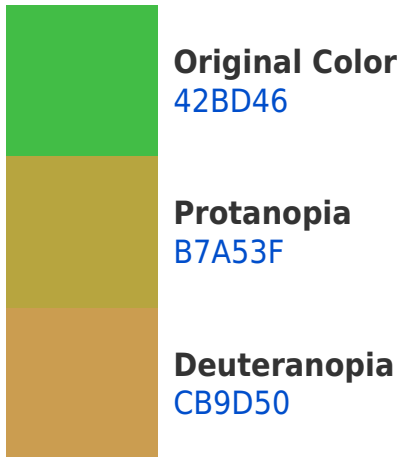


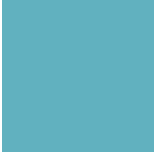
This preview shows how white text looks on a background with the Hex color 42BD46.

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](#).

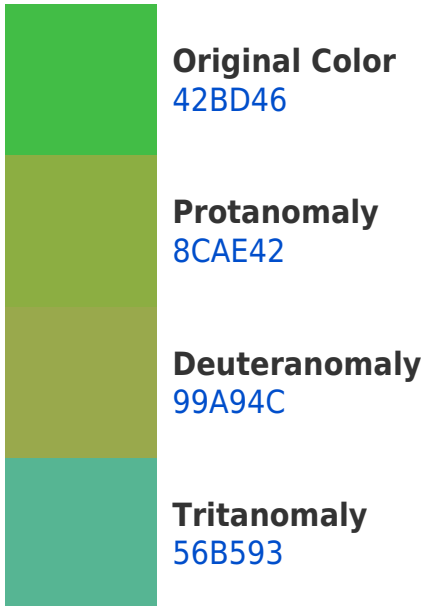
Dichromacy



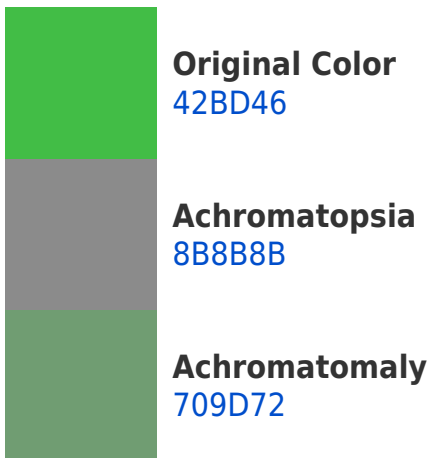


Tritanopia
61B1BF

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 42BD46 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 #42BD46 looks like.

```
.text, #text, p{  
    color:#42BD46  
}
```

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 #42BD46 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #42BD46
}
```

Border

The CSS property to change the border of an element to Hex 42BD46 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
#42BD46 }
```

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

```
.border{ border-color:#42BD46 }
```

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

Here you see how a box with a 4 pixel #42BD46 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #42BD46; -webkit-box-shadow:4px 4px  
4px 4px #42BD46; box-shadow:4px 4px 4px  
4px #42BD46 }
```

Background

The CSS property to change the background color of an element to Hex 42BD46 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#42BD46 }
```

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

```
.background{ background-color:#42BD46 }
```

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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