

Converting Colors

Hex(46BF40)

Have a look what the booklet for
Hex(46BF40) contains.

Hex(46BF40)	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(46BF40)

Conversions

Conversions Part 1

Format	Color
Hex	46BF40
RGB	70, 191, 64
RGB Percent	27%, 75%, 25%
CMY	0.7255, 0.2510, 0.7490
CMYK	0.63, 0.00, 0.66, 0.25
HSL	117°, 50%, 50%
HSV	117°, 66%, 75%
XYZ	22.0820, 38.9339, 11.2016
YIQ	140.3430, -31.3490, -65.1490

Conversions

Conversions Part 2

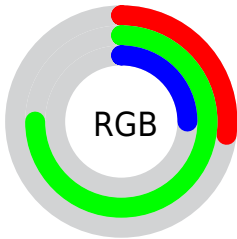
Format	Color
RYB	64, 191, 185
Decimal	4636480
CIELab	68.70, -57.72, 52.33
CIELCh	69, 77.911, 137.808
Yxy	38.9339, 0.3058, 0.5391
Android (android.graphics.Color)	4282826560 (0xFF46BF40)
YUV	140.3430, -37.6371, -61.6908
Hunter-Lab	62.3970, -46.0245, 33.0340

Details

The Hex color **46BF40** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **B940BF**, and the grayscale version is **8D8D8D**.

A 20% lighter version of the original color is **84F875**, and **008800** is the 20% darker color. If you saturate the color by 10%, you get **34BF2D**, and if you desaturate by 10%, it is **58BF53**.

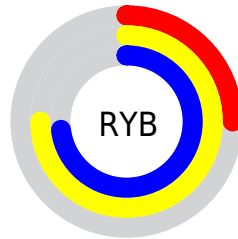
Distribution



Red (27%)

Green (75%)

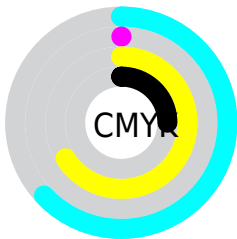
Blue (25%)



Red (25%)

Yellow (75%)

Blue (73%)

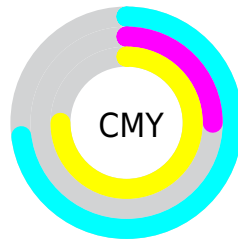


Cyan (63%)

Magenta (0%)

Yellow (66%)

Black (25%)



Cyan (73%)

Magenta (25%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Hex color 46BF40 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 46BF40 by changing the saturation by 10% instead.

 46BF40

 46BF40

FFFFFF

 1FA324

 84F875

 008800

 A1FF90

 006E00

 BFFFAC

 005400

 DDFFC8

 003C00

 FBFFE5

 002500

 000000

 46BF40

 46BF40

 34BF2D

 58BF53

 22BF1A

 6ABF66

 0FBF07

 7DBF79

 09BF00

 8FBF8C

 A1BFA0

 B3BFB3

 C5BFC6

 D8BFD9

 EABFEC

Harmonies

Analogous

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



A1B100



46BF40



00C687

Triad

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



46BF40



00B8FF



FF6081

Complementary

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



46BF40



B940BF

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.



FF62C7



46BF40



64A1FF

Square

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



46BF40



00C4FF



DF80FF



FF7B3F

Rectangle

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



46BF40



00C8B9



DF80FF



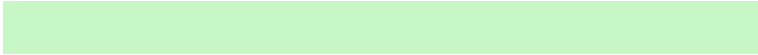
FF5C98

Sweetspot

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



46BF40



C8F7C6



BFB940



607D5F



FCFCFC



7D7D7D

Same Dimension

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



46BF40



3BF731



40BF79



555E55



079E00



011F00

Inverse Universe

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



B940BF



EE31F7



BF4086



5E555E



97009E



1D001F

Previews

White Background



This preview shows how the Hex color 46BF40 looks on a white background.

Color Contrast Check

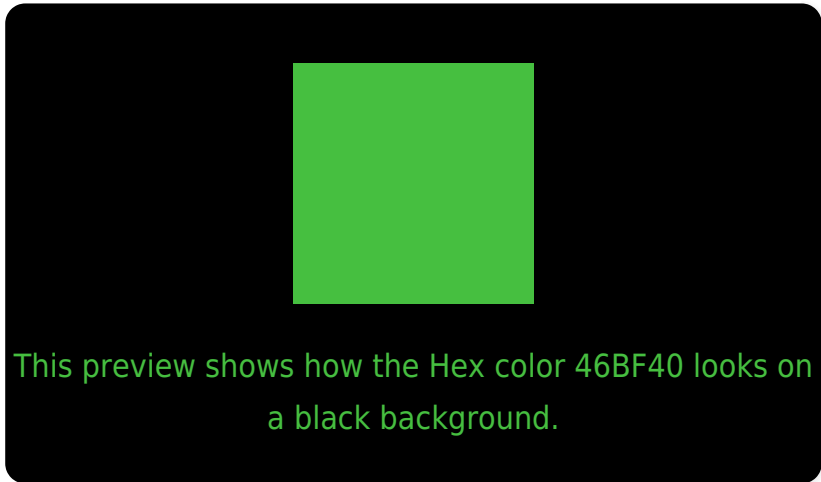
Large Text (above 18pt) WCAG AA × Fail

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

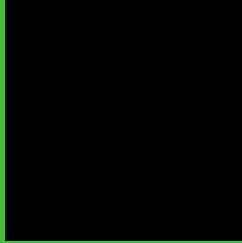
Any Text WCAG AA ✓ Pass

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 46BF40 Background



This preview shows how black text looks on a background with the Hex color 46BF40.

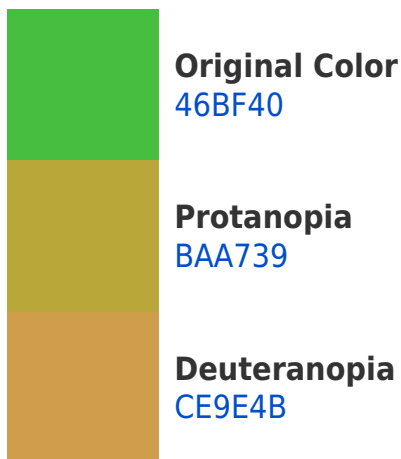


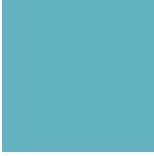
This preview shows how white text looks on a background with the Hex color 46BF40.

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
65B3C1

Trichromacy



Original Color
46BF40



Protanomaly
90B03C



Deuteranomaly
9DAA47



Tritanomaly
5AB792

Monochromacy



Original Color
46BF40



Achromatopsia
8C8C8C



Achromatomaly
739F70

CSS Examples

Text

The CSS property to change the color of the text to Hex 46BF40 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 #46BF40 looks like.

```
.text, #text, p{  
    color:#46BF40  
}
```

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 #46BF40 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46BF40
}
```

Border

The CSS property to change the border of an element to Hex 46BF40 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
#46BF40 }
```

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

```
.border{ border-color:#46BF40 }
```

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

Here you see how a box with a 4 pixel #46BF40 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46BF40; -webkit-box-shadow:4px 4px  
4px 4px #46BF40; box-shadow:4px 4px 4px  
4px #46BF40 }
```

Background

The CSS property to change the background color of an element to Hex 46BF40 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46BF40 }
```

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

```
.background{ background-color:#46BF40 }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor