

Converting Colors

Hex(46BFAF)

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

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Color

Hex(46BF AF)

Conversions

Conversions Part 1

Format	Color
Hex	46BFAF
RGB	70, 191, 175
RGB Percent	27%, 75%, 69%
CMY	0.7255, 0.2510, 0.3137
CMYK	0.63, 0.00, 0.08, 0.25
HSL	172°, 49%, 51%
HSV	172°, 63%, 75%
XYZ	28.8945, 41.6588, 47.0755
YIQ	152.9970, -66.9800, -30.6280

Conversions

Conversions Part 2

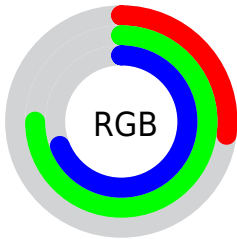
Format	Color
RYB	70, 135, 191
Decimal	4636591
CIELab	70.64, -37.23, -1.86
CIELCh	71, 37.275, 182.861
Yxy	41.6588, 0.2456, 0.3542
Android (android.graphics.Color)	4282826671 (0xFF46BFAF)
YUV	152.9970, 10.8475, -72.7884
Hunter-Lab	64.5437, -33.0418, 1.9369

Details

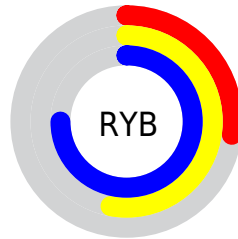
The Hex color **46BFAF** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **BF4656**, and the grayscale version is **999999**.

A 20% lighter version of the original color is **83F8E6**, and **00897B** is the 20% darker color. If you saturate the color by 10%, you get **33BFAC**, and if you desaturate by 10%, it is **59BFB2**.

Distribution



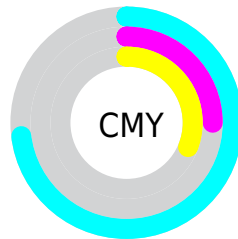
- Red (27%)
- Green (75%)
- Blue (69%)



- Red (27%)
- Yellow (53%)
- Blue (75%)



- Cyan (63%)
- Magenta (0%)
- Yellow (8%)
- Black (25%)



- Cyan (73%)
- Magenta (25%)
- Yellow (31%)

Brightness & Saturation Gradients

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

 46BFAF

 46BFAF

FFFFFF

 1FA494

 83F8E6

 00897B

 A1FFFF

 006F62

 BEFFFF

 00564A

 DCFFFF

 003E34

 FAFFFF

 00281F

 000507

 000000

 46BFAF

 46BFAF

■ 33BFAC

■ 59BFB2

■ 20BFAA

■ 6CBFB4

■ 0DBFA7

■ 7FBFB7

■ 00BFA6

■ 92BFB9

■ A6BFBC

■ B9BFBE

■ CCBFC1

■ DFBFC3

■ F2BFC6

Harmonies

Analogous

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



73BC8D



46BFAF



21BED0

Triad

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



46BFAF



B5A3E6



DDA071

Complementary

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



46BFAF



BF4656

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.



ED968A



46BFAF



DA98CC

Square

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



46BFAF



81AFF0



ED92AB



C0AC68

Rectangle

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



46BFAF



34BBE2



ED92AB



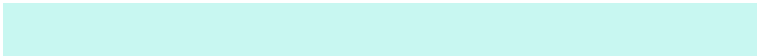
E49C78

Sweetspot

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



46BFAF



C8F7F1



56BF46



607D79



FCFCFC



7D7D7D

Same Dimension

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



46BFAF



3BF7DE



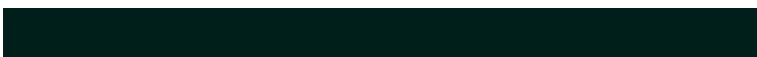
4693BF



555E5D



009E89



001F1B

Inverse Universe

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



BF4656



F73B54



BF7246



5E5556



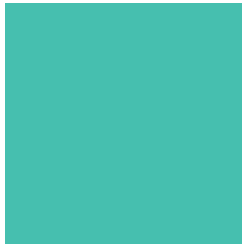
9E0015



1F0004

Previews

White Background



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

Color Contrast Check

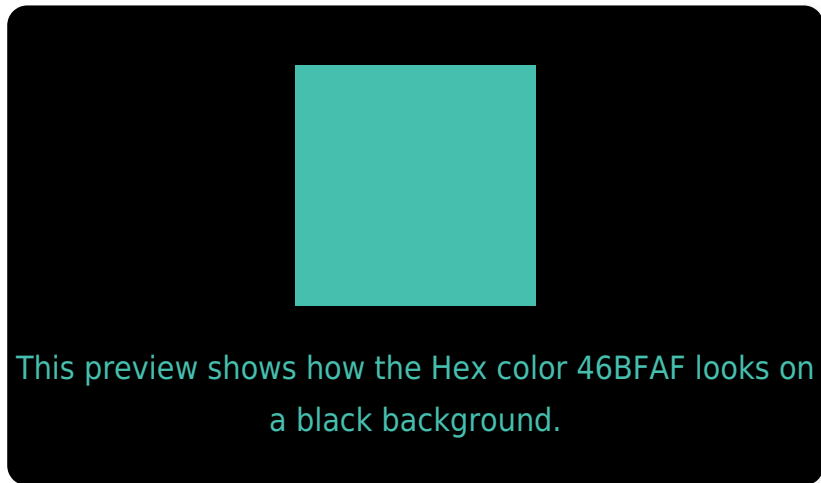
Large Text (above 18pt) WCAG AA × Fail

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

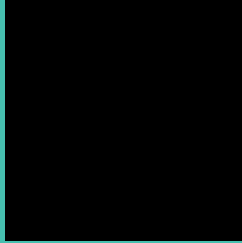
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

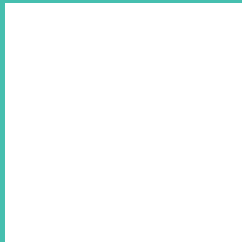
Any Text WCAG AAA ✓ Pass

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

Hex 46BFAF Background



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

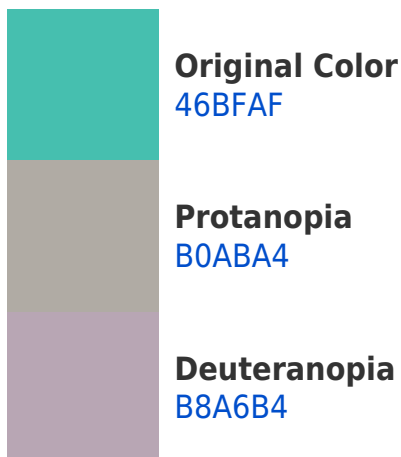


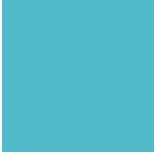
This preview shows how white text looks on a background with the Hex color 46BFAF.

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](#).

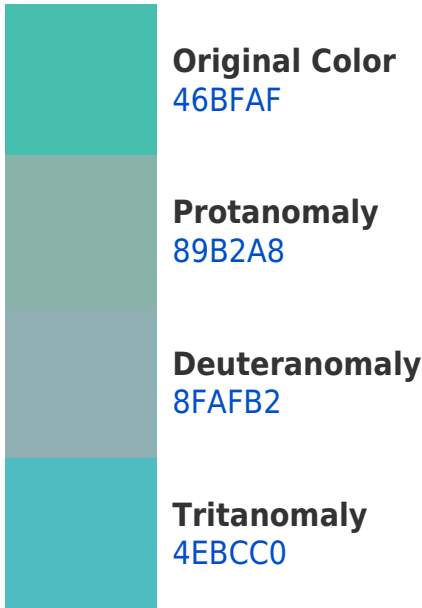
Dichromacy



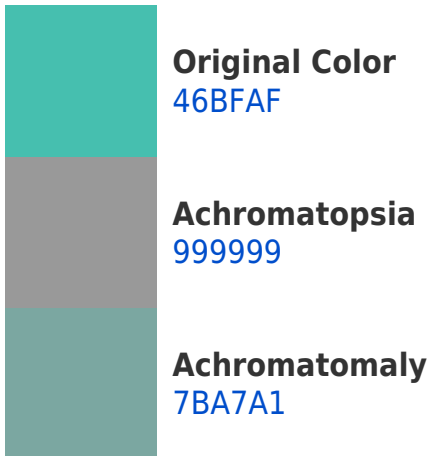


Tritanopia
52BBCA

Trichromacy



Monochromacy



CSS Examples

Text

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

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

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 #46BFAF colored shadow looks like.

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

Border

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

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

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

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

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

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

Background

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

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

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

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

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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