

Converting Colors

Hex(46BDB3)

Have a look what the booklet for
Hex(46BDB3) contains.

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Color

Hex(46BDB3)

Conversions

Conversions Part 1

Format	Color
Hex	46BDB3
RGB	70, 189, 179
RGB Percent	27%, 74%, 70%
CMY	0.7255, 0.2588, 0.2980
CMYK	0.63, 0.00, 0.05, 0.26
HSL	175°, 47%, 51%
HSV	175°, 63%, 74%
XYZ	28.8601, 40.9520, 49.0313
YIQ	152.2790, -67.7140, -28.3380

Conversions

Conversions Part 2

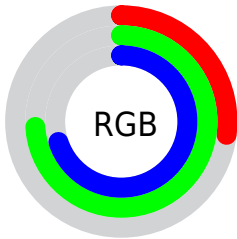
Format	Color
RYB	70, 132, 189
Decimal	4636083
CIELab	70.14, -35.24, -4.78
CIElCh	70, 35.560, 187.719
Yxy	40.9520, 0.2428, 0.3446
Android (android.graphics.Color)	4282826163 (0xFF46BDB3)
YUV	152.2790, 13.1735, -72.1587
Hunter-Lab	63.9937, -31.4886, -0.6317

Details

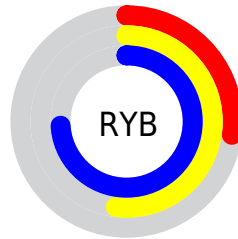
The Hex color **46BDB3** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **BD4650**, and the grayscale version is **989898**.

A 20% lighter version of the original color is **83F6EB**, and **00877E** is the 20% darker color. If you saturate the color by 10%, you get **33BDB1**, and if you desaturate by 10%, it is **59BDB5**.

Distribution



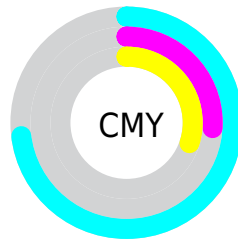
- Red (27%)
- Green (74%)
- Blue (70%)



- Red (27%)
- Yellow (52%)
- Blue (74%)



- Cyan (63%)
- Magenta (0%)
- Yellow (5%)
- Black (26%)



- Cyan (73%)
- Magenta (26%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Hex color 46BDB3 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 46BDB3 by changing the saturation by 10% instead.

 46BDB3

 46BDB3

FFFFFF

 1FA298

 83F6EB

 00877E

 A1FFFF

 006D65

 BEFFFF

 00544E

 DCFFFF

 003C37

 FAFFFF

 002722

 00010C

 000000

 46BDB3

 46BDB3

■ 33BDB1

■ 59BDB5

■ 20BDB0

■ 6CBDB6

■ 0DBDAE

■ 7FBDB8

■ 00BDAD

■ 92BDB9

■ A5BDBB

■ B7BDBD

■ CABDBE

■ DDBDC0

■ F0BDC1

Harmonies

Analogous

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



6FBB92



46BDB3



32BBD2

Triad

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



46BDB3



BAA0DF



D6A170

Complementary

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



46BDB3



BD4650

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.



E79786



46BDB3



DB96C5

Square

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



46BDB3



8BACEB



EA93A4



B9AC6B

Rectangle

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



46BDB3



46B8E1



EA93A4



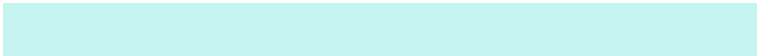
DD9E76

Sweetspot

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



46BDB3



C6F5F1



52BD46



5E7A78



FAFAFA



7A7A7A

Same Dimension

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



46BDB3



3BF5E5



468DBD



555E5E



009E91



001F1C

Inverse Universe

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



BD4650



F53B4A



BD7646



5E5556



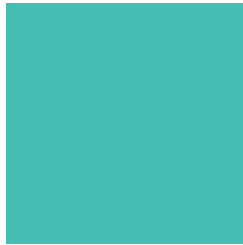
9E000D



1F0003

Previews

White Background



This preview shows how the Hex color 46BDB3 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



This preview shows how the Hex color 46BDB3 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

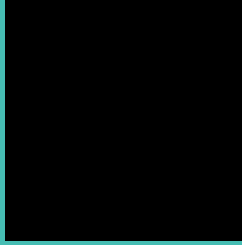
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

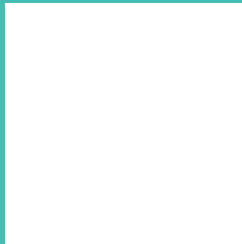
Any Text WCAG AAA ✓ Pass

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

Hex 46BDB3 Background



This preview shows how black text looks on a background with the Hex color 46BDB3.

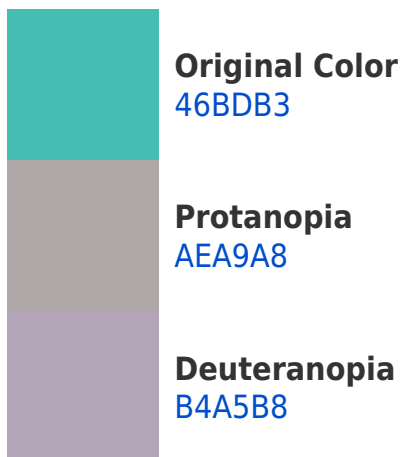


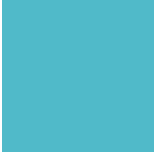
This preview shows how white text looks on a background with the Hex color 46BDB3.

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](#).

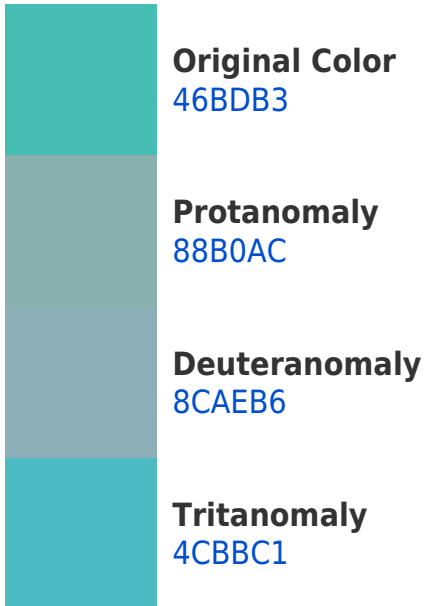
Dichromacy



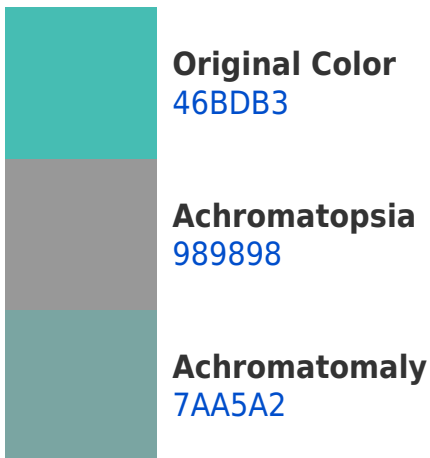


Tritanopia
50BAC9

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 46BDB3 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 #46BDB3 looks like.

```
.text, #text, p{  
    color:#46BDB3  
}
```

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 #46BDB3 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46BDB3
}
```

Border

The CSS property to change the border of an element to Hex 46BDB3 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
#46BDB3 }
```

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

```
.border{ border-color:#46BDB3 }
```

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

Here you see how a box with a 4 pixel #46BDB3 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46BDB3; -webkit-box-shadow:4px 4px  
4px 4px #46BDB3; box-shadow:4px 4px 4px  
4px #46BDB3 }
```

Background

The CSS property to change the background color of an element to Hex 46BDB3 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46BDB3 }
```

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

```
.background{ background-color:#46BDB3 }
```

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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