

Converting Colors

Hex(45BFAE)

Have a look what the booklet for
Hex(45BFAE) contains.

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Color

Hex(45BFAE)

Conversions

Conversions Part 1

Format	Color
Hex	45BFAE
RGB	69, 191, 174
RGB Percent	27%, 75%, 68%
CMY	0.7294, 0.2510, 0.3176
CMYK	0.64, 0.00, 0.09, 0.25
HSL	172°, 49%, 51%
HSV	172°, 64%, 75%
XYZ	28.7250, 41.5828, 46.5567
YIQ	152.5840, -67.2550, -31.1510

Conversions

Conversions Part 2

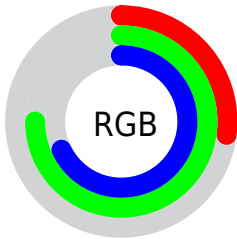
Format	Color
RYB	69, 135, 191
Decimal	4571054
CIELab	70.58, -37.66, -1.39
CIELCh	71, 37.686, 182.120
Yxy	41.5828, 0.2458, 0.3558
Android (android.graphics.Color)	4282761134 (0xFF45BFAE)
YUV	152.5840, 10.5581, -73.3032
Hunter-Lab	64.4847, -33.3346, 2.3331

Details

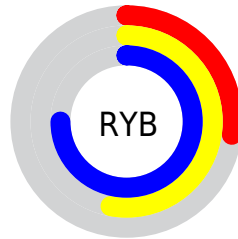
The Hex color **45BFAE** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **BF4556**, and the grayscale version is **999999**.

A 20% lighter version of the original color is **83F8E5**, and **00897A** is the 20% darker color. If you saturate the color by 10%, you get **32BFAB**, and if you desaturate by 10%, it is **58BFB1**.

Distribution



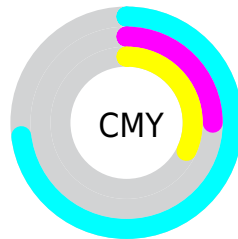
- Red (27%)
- Green (75%)
- Blue (68%)



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



- Cyan (64%)
- Magenta (0%)
- Yellow (9%)
- Black (25%)



- Cyan (73%)
- Magenta (25%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Hex color 45BFAE 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 45BFAE by changing the saturation by 10% instead.

 45BFAE

 45BFAE

FFFFFF

 1EA493

 83F8E5

 00897A

 A0FFFF

 006F61

 BEFFFF

 005649

 DCFFFF

 003E33

 FAFFFF

 00281E

 000405

 000000

 45BFAE

 45BFAE

■ 32BFAB

■ 58BFB1

■ 1FBFA9

■ 6BBFB3

■ 0CBFA6

■ 7EBFB6

■ 00BFA4

■ 91BFB9

■ A5BFBB

■ B8BFBE

■ CBBFC1

■ DEBFC3

■ F1BFC6

Harmonies

Analogous

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



74BC8B



45BFAE



1BBED0

Triad

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



45BFAE



B4A3E7



DD9F71

Complementary

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



45BFAE



BF4556

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.



EE958A



45BFAE



DA97CD

Square

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



45BFAE



7FAFF1



ED92AB



C1AB67

Rectangle

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



45BFAE



2FBBE2



ED92AB



E49C78

Sweetspot

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



45BFAE



C8F7F1



57BF45



607D79



FCFCFC



7D7D7D

Same Dimension

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



45BFAE



39F7DD



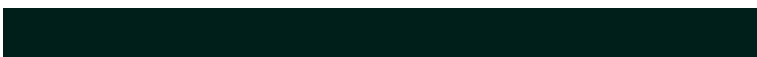
4594BF



555E5D



009E88



001F1A

Inverse Universe

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



BF4556



F73953



BF7045



5E5556



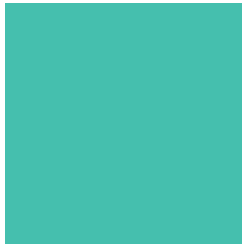
9E0016



1F0004

Previews

White Background



This preview shows how the Hex color 45BFAE looks on a white background.

Color Contrast Check

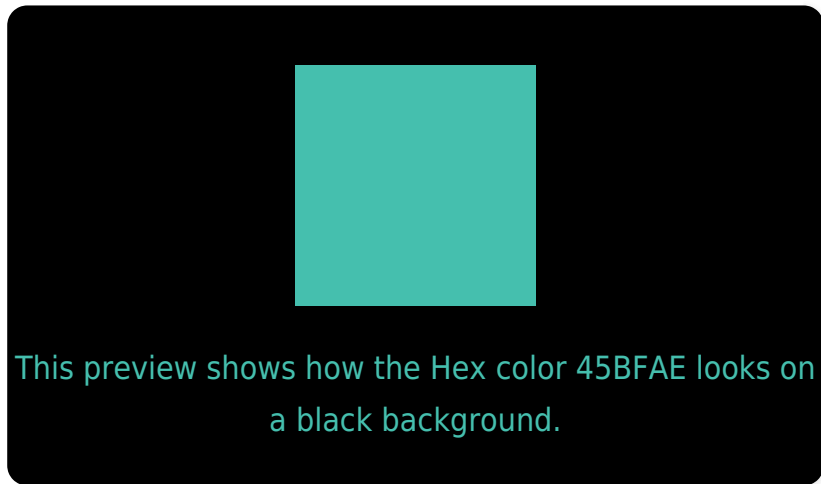
Large Text (above 18pt) WCAG AA × Fail

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

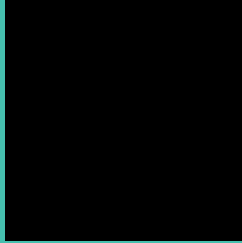
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

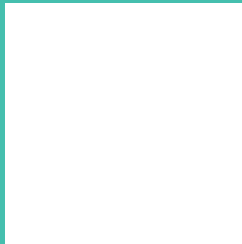
Any Text WCAG AAA ✓ Pass

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

Hex 45BFAE Background



This preview shows how black text looks on a background with the Hex color 45BFAE.

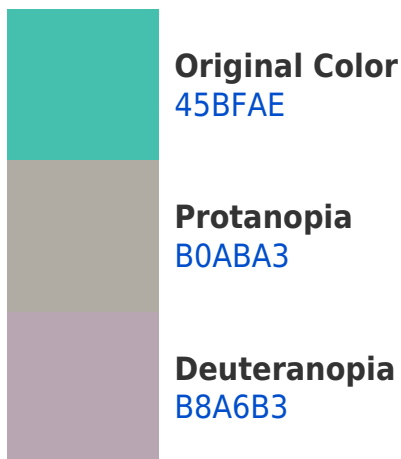


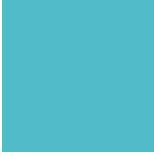
This preview shows how white text looks on a background with the Hex color 45BFAE.

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
51BBCA

Trichromacy



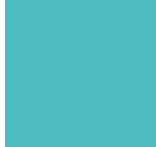
Original Color
45BFAE



Protanomaly
89B2A7



Deuteranomaly
8EAFB1



Tritanomaly
4DBCC0

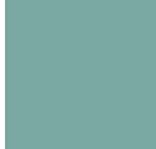
Monochromacy



Original Color
45BFAE



Achromatopsia
999999



Achromatomaly
7AA7A1

CSS Examples

Text

The CSS property to change the color of the text to Hex 45BFAE 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 #45BFAE looks like.

```
.text, #text, p{  
    color:#45BFAE  
}
```

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 #45BFAE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #45BFAE
}
```

Border

The CSS property to change the border of an element to Hex 45BFAE 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
#45BFAE }
```

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

```
.border{ border-color:#45BFAE }
```

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

Here you see how a box with a 4 pixel #45BFAE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #45BFAE; -webkit-box-shadow:4px 4px  
4px 4px #45BFAE; box-shadow:4px 4px 4px  
4px #45BFAE }
```

Background

The CSS property to change the background color of an element to Hex 45BFAE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#45BFAE }
```

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

```
.background{ background-color:#45BFAE }
```

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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