

Converting Colors

Hex(45BF86)

Have a look what the booklet for
Hex(45BF86) contains.

Hex(45BF86)	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(45BF86)

Conversions

Conversions Part 1

Format	Color
Hex	45BF86
RGB	69, 191, 134
RGB Percent	27%, 75%, 53%
CMY	0.7294, 0.2510, 0.4745
CMYK	0.64, 0.00, 0.30, 0.25
HSL	152°, 49%, 51%
HSV	152°, 64%, 75%
XYZ	25.3881, 40.2480, 28.9848
YIQ	148.0240, -54.4150, -43.5910

Conversions

Conversions Part 2

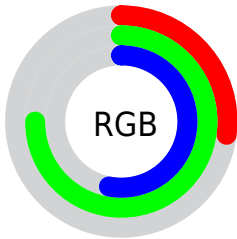
Format	Color
RYB	69, 149, 191
Decimal	4571014
CIELab	69.65, -47.15, 19.01
CIELCh	70, 50.842, 158.045
Yxy	40.2480, 0.2683, 0.4254
Android (android.graphics.Color)	4282761094 (0xFF45BF86)
YUV	148.0240, -6.9138, -69.3040
Hunter-Lab	63.4413, -39.5898, 17.3208

Details

The Hex color **45BF86** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **BF457E**, and the grayscale version is **949494**.

A 20% lighter version of the original color is **81F8BB**, and **008854** is the 20% darker color. If you saturate the color by 10%, you get **32BF7D**, and if you desaturate by 10%, it is **58BF8F**.

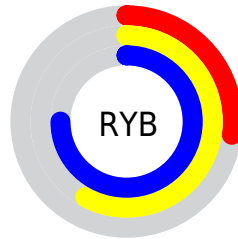
Distribution



Red (27%)

Green (75%)

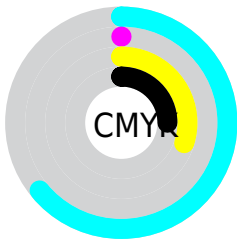
Blue (53%)



Red (27%)

Yellow (58%)

Blue (75%)

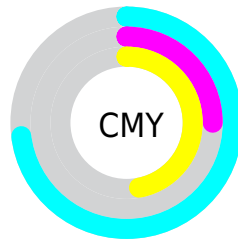


Cyan (64%)

Magenta (0%)

Yellow (30%)

Black (25%)



Cyan (73%)

Magenta (25%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Hex color 45BF86 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 45BF86 by changing the saturation by 10% instead.

 45BF86

 45BF86

FFFFFF

 20A36D

 81F8BB

 008854

 9EFFD7

 006E3D

 BCFFF4

 005526

 D9FFFF

 003D11

 F7FFFF

 002700

 000000

 45BF86

 45BF86

 32BF7D

 58BF8F

 1FBF74

 6BBF98

 0CBF6B

 7EBFA1

 00BF66

 91BFAA

 A5BFB3

 B8BFBC

 CBBFC4

 DEBFCD

 F1BFD6

Harmonies

Analogous

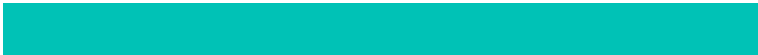
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88B85F



45BF86



00C2B6

Triad

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



45BF86



72ABFF



FB8B74

Complementary

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



45BF86



BF457E

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.



FF839F



45BF86



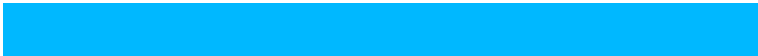
BE99F3

Square

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



45BF86



00B8FF



ED89CE



E19B54

Rectangle

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



45BF86



00C1D4



ED89CE



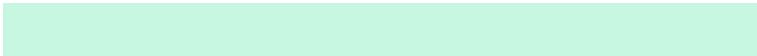
FF8781

Sweetspot

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



45BF86



C8F7E1



80BF45



607D70



FCFCFC



7D7D7D

Same Dimension

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



45BF86



39F79E



45BDBF



555E5A



009E54



001F10

Inverse Universe

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



BF457E



F73992



BF4745



5E5559



9E004A



1F000E

Previews

White Background



This preview shows how the Hex color 45BF86 looks on a white background.

Color Contrast Check

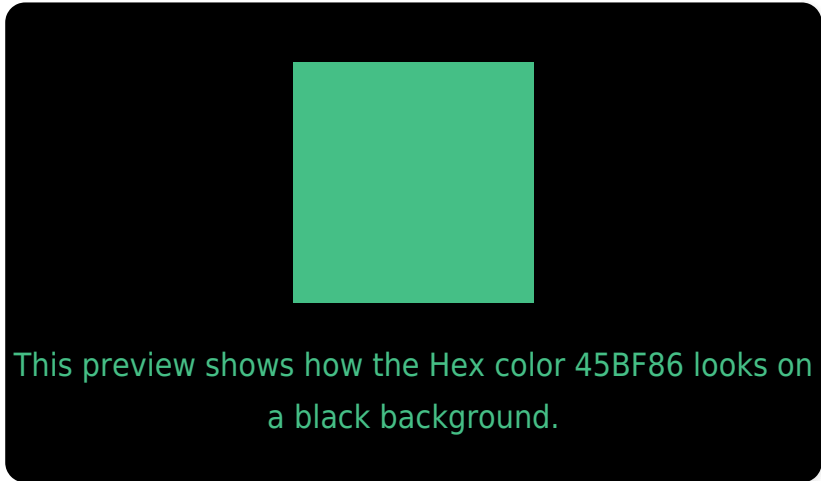
Large Text (above 18pt) WCAG AA × Fail

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

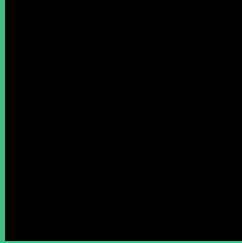
Any Text WCAG AA ✓ Pass

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 45BF86 Background



This preview shows how black text looks on a background with the Hex color 45BF86.

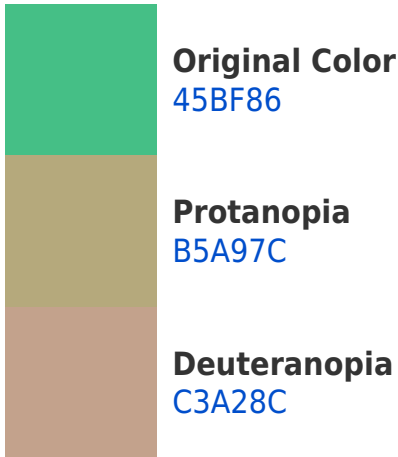


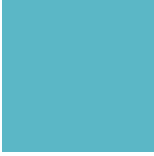
This preview shows how white text looks on a background with the Hex color 45BF86.

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](#).

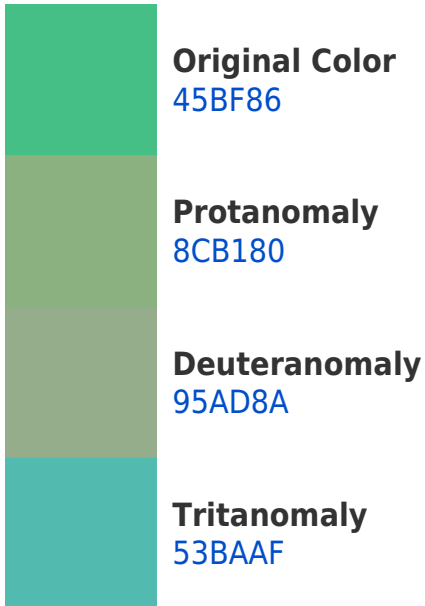
Dichromacy





Tritanopia
5BB7C6

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 45BF86 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 #45BF86 looks like.

```
.text, #text, p{  
    color:#45BF86  
}
```

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 #45BF86 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #45BF86
}
```

Border

The CSS property to change the border of an element to Hex 45BF86 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
#45BF86 }
```

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

```
.border{ border-color:#45BF86 }
```

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

Here you see how a box with a 4 pixel #45BF86 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #45BF86; -webkit-box-shadow:4px 4px  
4px 4px #45BF86; box-shadow:4px 4px 4px  
4px #45BF86 }
```

Background

The CSS property to change the background color of an element to Hex 45BF86 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#45BF86 }
```

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

```
.background{ background-color:#45BF86 }
```

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