

Converting Colors

Hex(45BC7A)

Have a look what the booklet for
Hex(45BC7A) contains.

Hex(45BC7A)	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(45BC7A)

Conversions

Conversions Part 1

Format	Color
Hex	45BC7A
RGB	69, 188, 122
RGB Percent	27%, 74%, 48%
CMY	0.7294, 0.2627, 0.5216
CMYK	0.63, 0.00, 0.35, 0.26
HSL	147°, 47%, 50%
HSV	147°, 63%, 74%
XYZ	23.9503, 38.6368, 24.6077
YIQ	144.8950, -49.7380, -45.7540

Conversions

Conversions Part 2

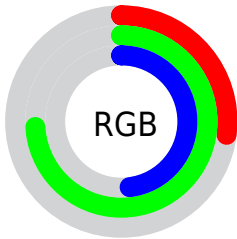
Format	Color
RYB	69, 151, 188
Decimal	4570234
CIELab	68.49, -48.36, 23.84
CIElCh	68, 53.917, 153.754
Yxy	38.6368, 0.2747, 0.4431
Android (android.graphics.Color)	4282760314 (0xFF45BC7A)
YUV	144.8950, -11.2872, -66.5599
Hunter-Lab	62.1585, -39.9995, 20.0389

Details

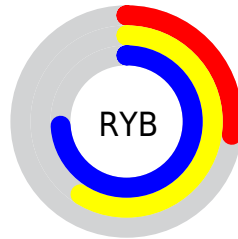
The Hex color **45BC7A** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **BC4587**, and the grayscale version is **919191**.

A 20% lighter version of the original color is **81F5AF**, and **008649** is the 20% darker color. If you saturate the color by 10%, you get **32BC70**, and if you desaturate by 10%, it is **58BC84**.

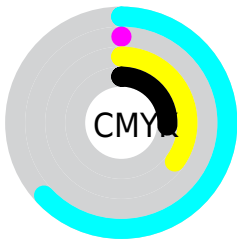
Distribution



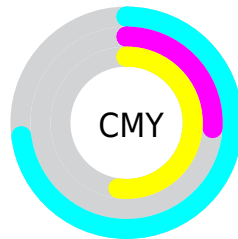
- Red (27%)
- Green (74%)
- Blue (48%)



- Red (27%)
- Yellow (59%)
- Blue (74%)



- Cyan (63%)
- Magenta (0%)
- Yellow (35%)
- Black (26%)



- Cyan (73%)
- Magenta (26%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Hex color 45BC7A 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 45BC7A by changing the saturation by 10% instead.



45BC7A



45BC7A

FFFFFF



21A061



81F5AF



008649



9EFFCA



006C31



BBFFE7



00521B



D8FFFF



003A03



F6FFFF



002400



000000



45BC7A



45BC7A



32BC70



58BC84

 1FBC65

 6BBC8F

 0DBC5B

 7DBC99

 00BC54

 90BCA4

 A3BCAE

 B6BCB9

 C9BCC3

 DBBCCD

 EEBCD8

Harmonies

Analogous

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



8BB452



45BC7A



00BFAC

Triad

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



45BC7A



56AAFF



FE8473

Complementary

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



45BC7A



BC4587

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.



FF7CA3



45BC7A



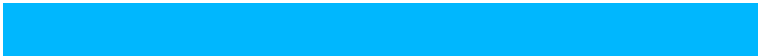
B298F8

Square

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



45BC7A



00B7FE



E885D3



E5954F

Rectangle

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



45BC7A



00BFCD



E885D3



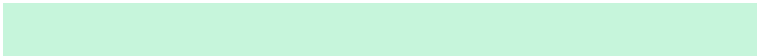
FF8082

Sweetspot

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



45BC7A



C6F5DB



88BC45



5E7A6B



FAFAFA



7A7A7A

Same Dimension

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



45BC7A



3BF58E



45BCB4



555E59



009E46



001F0E

Inverse Universe

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



BC4587



F53BA2



BC454D



5E555A



9E0058



1F0011

Previews

White Background



This preview shows how the Hex color 45BC7A looks on a white background.

Color Contrast Check

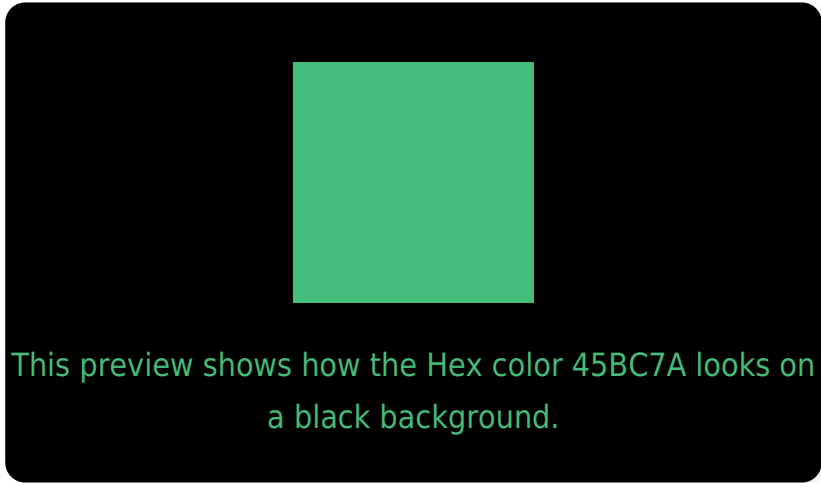
Large Text (above 18pt) WCAG AA × Fail

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 45BC7A Background



This preview shows how black text looks on a background with the Hex color 45BC7A.

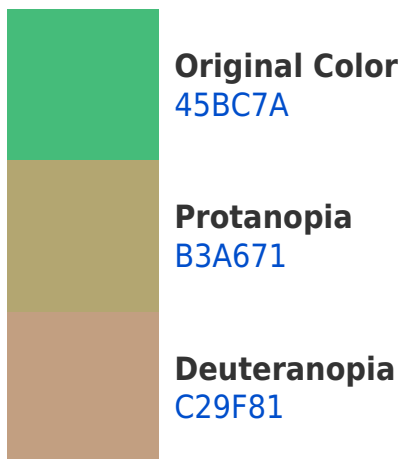


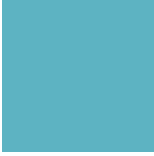
This preview shows how white text looks on a background with the Hex color 45BC7A.

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](#).

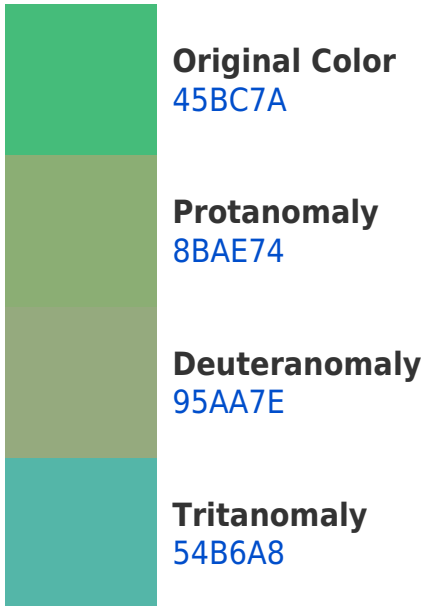
Dichromacy



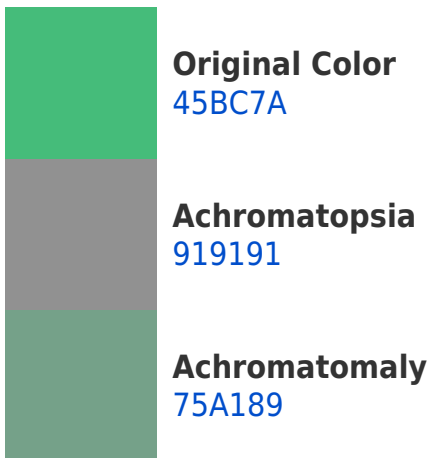


Tritanopia
5DB3C2

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 45BC7A 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 #45BC7A looks like.

```
.text, #text, p{  
    color:#45BC7A  
}
```

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 #45BC7A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #45BC7A
}
```

Border

The CSS property to change the border of an element to Hex 45BC7A 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
#45BC7A }
```

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

```
.border{ border-color:#45BC7A }
```

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

Here you see how a box with a 4 pixel #45BC7A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #45BC7A; -webkit-box-shadow:4px 4px  
4px 4px #45BC7A; box-shadow:4px 4px 4px  
4px #45BC7A }
```

Background

The CSS property to change the background color of an element to Hex 45BC7A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#45BC7A }
```

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

```
.background{ background-color:#45BC7A }
```

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