

# Converting Colors

Hex(45AC98)

Have a look what the booklet for  
Hex(45AC98) contains.

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# **Color**

**Hex(45AC98)**

# Conversions

## Conversions Part 1

Format	Color
Hex	45AC98
RGB	69, 172, 152
RGB Percent	27%, 67%, 60%
CMY	0.7294, 0.3255, 0.4039
CMYK	0.60, 0.00, 0.12, 0.33
HSL	168°, 43%, 47%
HSV	168°, 60%, 67%
XYZ	22.8743, 33.0373, 34.8770
YIQ	138.9230, -54.9680, -28.0560

# Conversions

## Conversions Part 2

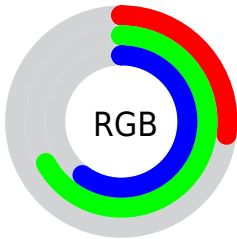
Format	Color
<a href="#">RYB</a>	<a href="#">69, 126, 172</a>
Decimal	<a href="#">4566168</a>
CIELab	<a href="#">64.19, -34.64, 1.42</a>
CIELCh	<a href="#">64, 34.671, 177.657</a>
Yxy	<a href="#">33.0373, 0.2520, 0.3639</a>
Android (android.graphics.Color)	<a href="#">4282756248</a> ( <a href="#">0xFF45AC98</a> )
YUV	<a href="#">138.9230, 6.4470, -61.3225</a>
Hunter-Lab	<a href="#">57.4780, -29.5498, 4.2582</a>

# Details

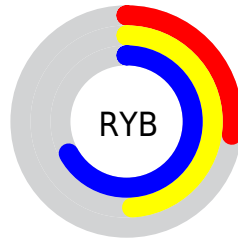
The Hex color **45AC98** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **AC4559**, and the grayscale version is **8B8B8B**.

A 20% lighter version of the original color is **7FE4CE**, and **007765** is the 20% darker color. If you saturate the color by 10%, you get **34AC95**, and if you desaturate by 10%, it is **56AC9B**.

# Distribution



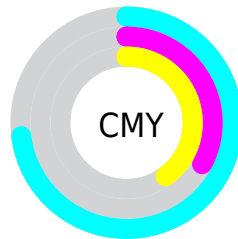
- Red (27%)
- Green (67%)
- Blue (60%)



- Red (27%)
- Yellow (49%)
- Blue (67%)



- Cyan (60%)
- Magenta (0%)
- Yellow (12%)
- Black (33%)



- Cyan (73%)
- Magenta (33%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 45AC98 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 45AC98 by changing the saturation by 10% instead.





45AC98



45AC98

FFFFFF



23917E



7FE4CE



007765



9CFFEA



005E4D



B9FFFF



004537



D6FFFF



002E21



F3FFFF



00180B



000000



45AC98



45AC98



34AC95



56AC9B

■ 23AC91

■ 67AC9F

■ 11AC8E

■ 79ACA2

■ 00AC8B

■ 8AACA5

■ 9BACA9

■ ACACAC

■ BDACAF

■ CFACB3

■ E0ACB6

# Harmonies

## Analogous

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



6EA979



45AC98



1DACB7

# Triad

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



45AC98



9C94D2



CB8E68

# Complementary

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



45AC98



AC4559

# 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.



D78680



45AC98



C08ABD

# Square

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



45AC98



6B9FD9



D5849F



B2995D

# Rectangle

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



45AC98



25A9C8



D5849F



D08B6F



# Sweetspot

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



45AC98



B8E0D9



5AAC45



58706B



F0F0F0



707070



# Same Dimension

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



45AC98



3FE0C1



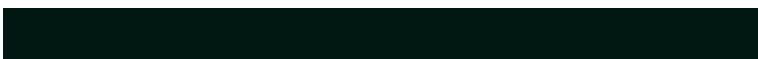
458DAC



4E5755



009679



001712



# Inverse Universe

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



AC4559



E03F5E



AC6445



574E50



96001D

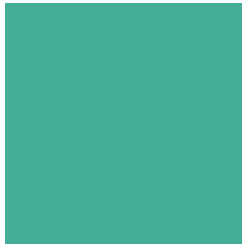


170004



# Previews

## White Background



This preview shows how the Hex color 45AC98 looks on a white background.

## Color Contrast Check

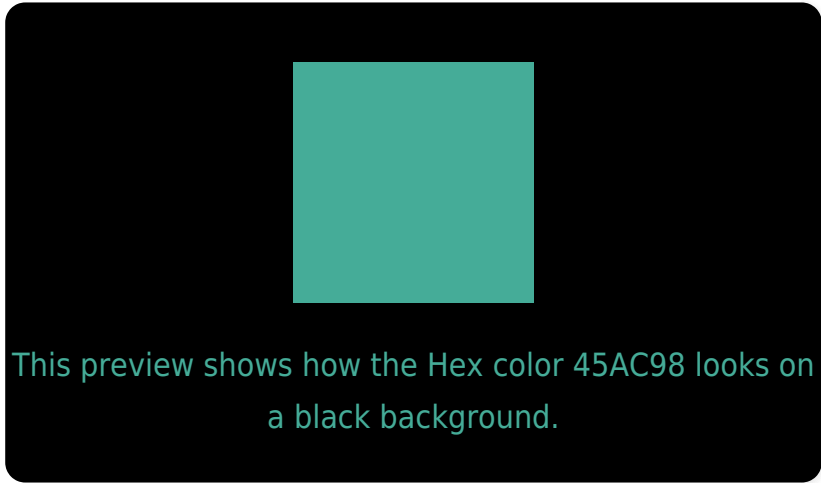
Large Text (above 18pt) WCAG AA × Fail

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

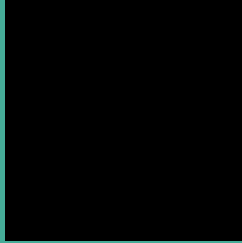
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 45AC98 Background



This preview shows how black text looks on a background with the Hex color 45AC98.

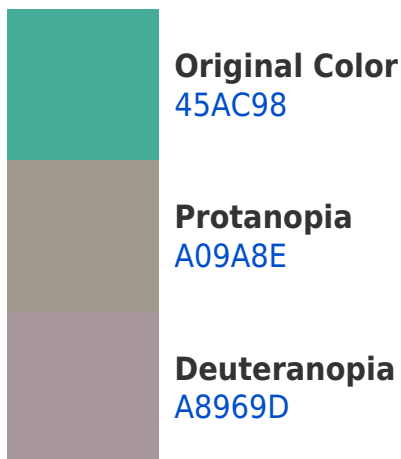


This preview shows how white text looks on a background with the Hex color 45AC98.

# 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](#).

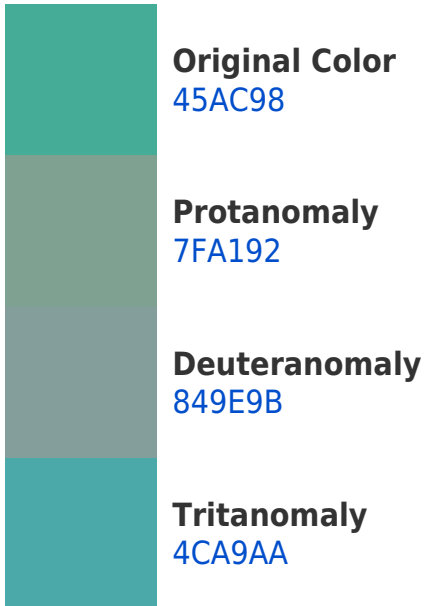
## Dichromacy



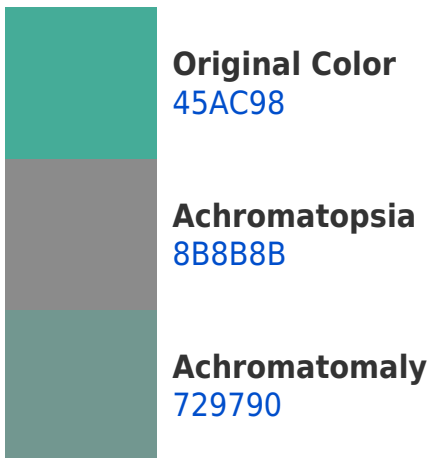


**Tritanopia**  
50A8B5

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 45AC98 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 #45AC98 looks like.

```
.text, #text, p{  
    color:#45AC98  
}
```

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 #45AC98 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #45AC98  
}
```

## Border

The CSS property to change the border of an element to Hex 45AC98 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  
#45AC98 }
```

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

```
.border{ border-color:#45AC98 }
```

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

Here you see how a box with a 4 pixel #45AC98 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #45AC98; -webkit-box-shadow:4px 4px  
4px 4px #45AC98; box-shadow:4px 4px 4px  
4px #45AC98 }
```

# Background

The CSS property to change the background color of an element to Hex 45AC98 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#45AC98 }
```

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

```
.background{ background-color:#45AC98 }
```

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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