

# Converting Colors

Hex(46C49B)

Have a look what the booklet for  
Hex(46C49B) contains.

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**Color**

**Hex(46C49B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	46C49B
RGB	70, 196, 155
RGB Percent	27%, 77%, 61%
CMY	0.7255, 0.2314, 0.3922
CMYK	0.64, 0.00, 0.21, 0.23
HSL	160°, 52%, 52%
HSV	160°, 64%, 77%
XYZ	28.1821, 43.1485, 37.8535
YIQ	153.6520, -61.9350, -39.4630

# Conversions

## Conversions Part 2

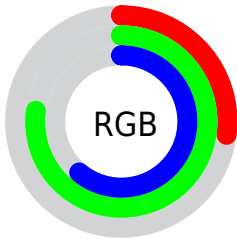
Format	Color
<a href="#">RYB</a>	<a href="#">70, 145, 196</a>
Decimal	<a href="#">4637851</a>
CIELab	<a href="#">71.66, -44.41, 10.50</a>
CIELCh	<a href="#">72, 45.638, 166.698</a>
Yxy	<a href="#">43.1485, 0.2581, 0.3952</a>
Android (android.graphics.Color)	<a href="#">4282827931</a> ( <a href="#">0xFF46C49B</a> )
YUV	<a href="#">153.6520, 0.6646, -73.3628</a>
Hunter-Lab	<a href="#">65.6875, -38.3708, 11.8145</a>

# Details

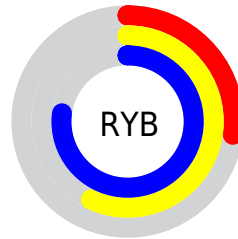
The Hex color **46C49B** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **C4466F**, and the grayscale version is **9A9A9A**.

A 20% lighter version of the original color is **83FDD1**, and **008D68** is the 20% darker color. If you saturate the color by 10%, you get **32C495**, and if you desaturate by 10%, it is **5AC4A1**.

# Distribution



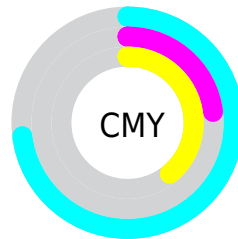
- Red (27%)
- Green (77%)
- Blue (61%)



- Red (27%)
- Yellow (57%)
- Blue (77%)



- Cyan (64%)
- Magenta (0%)
- Yellow (21%)
- Black (23%)



- Cyan (73%)
- Magenta (23%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 46C49B 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 46C49B by changing the saturation by 10% instead.





46C49B



46C49B

FFFFFF



20A881



83FDD1



008D68



A1FFEE



007350



BEFFFF



005A39



DCFFFF



004123



FAFFFF



002B0E



000B00



000000



46C49B



46C49B

 32C495

 5AC4A1

 1FC48E

 6DC4A8

 0BC488

 81C4AE

 00C484

 94C4B5

 A8C4BB

 BCC4C1

 CFC4C8

 E3C4CE

 F6C4D4

# Harmonies

## Analogous

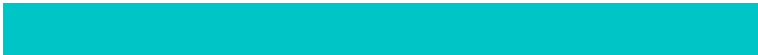
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83BE75



46C49B



00C5C6

# Triad

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



46C49B



96ACFF



F59875

# Complementary

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



46C49B



C4466F

# 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.



FF8E9A



46C49B



D19CE9

# Square

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



46C49B



40B9FF



F490C4



D9A75E

# Rectangle

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



46C49B



00C3E0



F490C4



FB9480

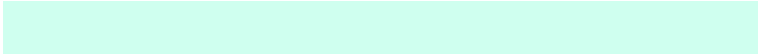


# Sweetspot

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



46C49B



CFFFEF



70C446



628076



000000



808080



# Same Dimension

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



46C49B



3BFFBF



46AFC4



57615E



00A16C



002116



# Inverse Universe

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



C4466F



FF3B7B



C45B46



61575A



A10034

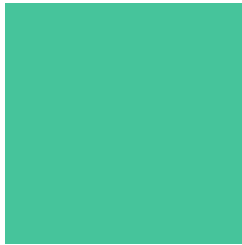


21000B



# Previews

## White Background



This preview shows how the Hex color 46C49B 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 46C49B looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

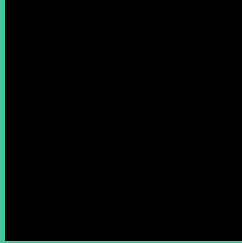
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 46C49B Background



This preview shows how black text looks on a background with the Hex color 46C49B.



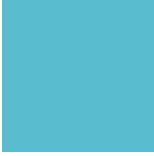
This preview shows how white text looks on a background with the Hex color 46C49B.

# 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



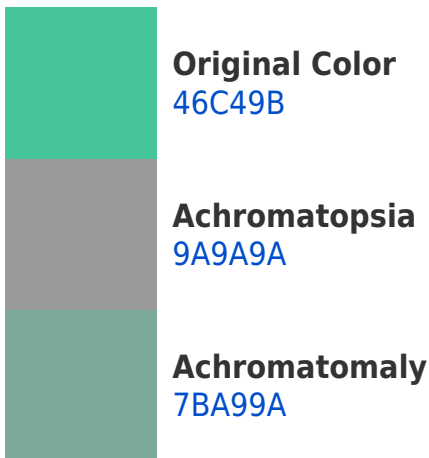


**Tritanopia**  
59BDCD

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 46C49B 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 #46C49B looks like.

```
.text, #text, p{  
    color:#46C49B  
}
```

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 #46C49B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46C49B
}
```

## Border

The CSS property to change the border of an element to Hex 46C49B 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
#46C49B }
```

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

```
.border{ border-color:#46C49B }
```

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

Here you see how a box with a 4 pixel #46C49B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46C49B; -webkit-box-shadow:4px 4px  
4px 4px #46C49B; box-shadow:4px 4px 4px  
4px #46C49B }
```

# Background

The CSS property to change the background color of an element to Hex 46C49B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46C49B }
```

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

```
.background{ background-color:#46C49B }
```

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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