

Converting Colors

Hex(46C78B)

Have a look what the booklet for
Hex(46C78B) contains.

Hex(46C78B)	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(46C78B)

Conversions

Conversions Part 1

Format	Color
Hex	46C78B
RGB	70, 199, 139
RGB Percent	27%, 78%, 55%
CMY	0.7255, 0.2196, 0.4549
CMYK	0.65, 0.00, 0.30, 0.22
HSL	152°, 54%, 53%
HSV	152°, 65%, 78%
XYZ	27.6094, 44.0130, 31.4663
YIQ	153.5890, -57.6240, -46.0080

Conversions

Conversions Part 2

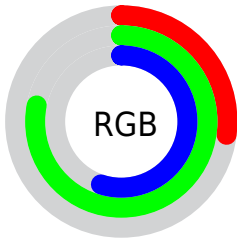
Format	Color
RYB	70, 154, 199
Decimal	4638603
CIELab	72.24, -49.19, 19.90
CIELCh	72, 53.069, 157.971
Yxy	44.0130, 0.2678, 0.4269
Android (android.graphics.Color)	4282828683 (0xFF46C78B)
YUV	153.5890, -7.1924, -73.3076
Hunter-Lab	66.3423, -41.8134, 18.3182

Details

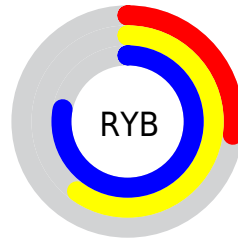
The Hex color **46C78B** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **C74682**, and the grayscale version is **9A9A9A**.

A 20% lighter version of the original color is **83FFC1**, and **009059** is the 20% darker color. If you saturate the color by 10%, you get **32C782**, and if you desaturate by 10%, it is **5AC794**.

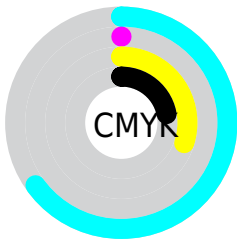
Distribution



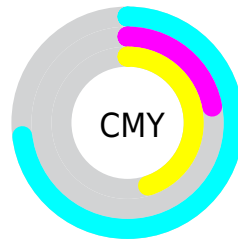
- Red (27%)
- Green (78%)
- Blue (55%)



- Red (27%)
- Yellow (60%)
- Blue (78%)



- Cyan (65%)
- Magenta (0%)
- Yellow (30%)
- Black (22%)



- Cyan (73%)
- Magenta (22%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Hex color 46C78B 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 46C78B by changing the saturation by 10% instead.

 46C78B

 46C78B

FFFFFF

 1FAB71

 83FFC1

 009059

 A1FFDD

 007641

 BEFFF9

 005C2A

 DCFFFF

 004315

 FAFFFF

 002D00

 000F00

 000000

 46C78B

 46C78B

 32C782

 5AC794

 1EC778

 6EC79E

 0AC76F

 82C7A7

 00C76A

 96C7B0

 AAC7B9

 BDC7C3

 D1C7CC

 E5C7D5

 F9C7DE

Harmonies

Analogous

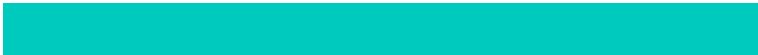
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



8DBF62



46C78B



00CABD

Triad

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



46C78B



75B2FF



FF9078

Complementary

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



46C78B



C74682

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.



FF88A6



46C78B



C69FFE

Square

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



46C78B



00C0FF



F78ED7



EBA257

Rectangle

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



46C78B



00C9DD



F78ED7



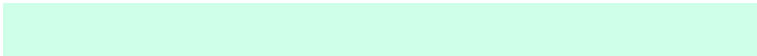
FF8C86

Sweetspot

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



46C78B



CFFFE8



82C746



628072



000000



808080

Same Dimension

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



46C78B



38FFA2



46C3C7



5A635F



00A357



002413

Inverse Universe

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



C74682



FF3895



C74A46



635A5E



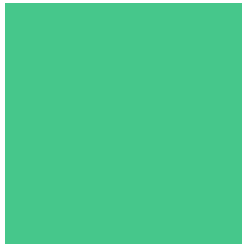
A3004C



240011

Previews

White Background



This preview shows how the Hex color 46C78B looks on a white background.

Color Contrast Check

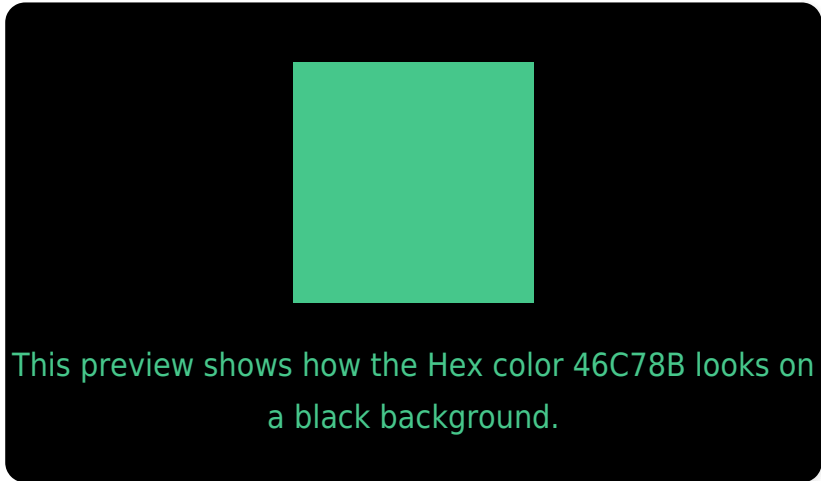
Large Text (above 18pt) WCAG AA × Fail

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

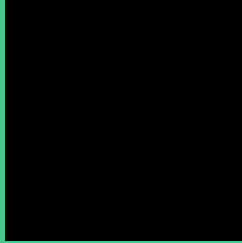
Any Text WCAG AA ✓ Pass

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 46C78B Background



This preview shows how black text looks on a background with the Hex color 46C78B.

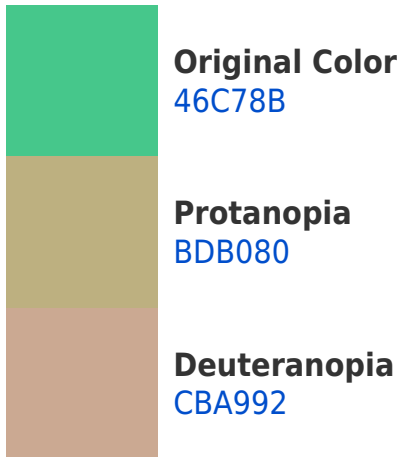


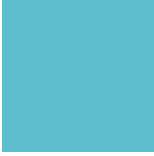
This preview shows how white text looks on a background with the Hex color 46C78B.

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

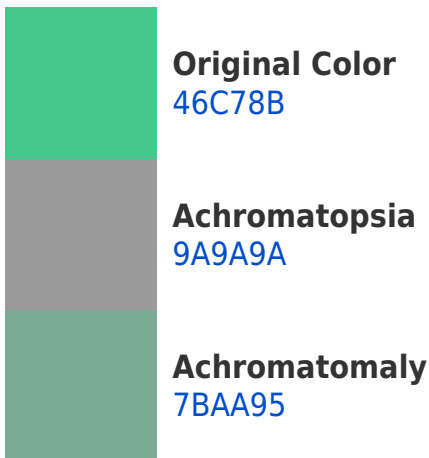




Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 46C78B 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 #46C78B looks like.

```
.text, #text, p{  
    color:#46C78B  
}
```

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 #46C78B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46C78B
}
```

Border

The CSS property to change the border of an element to Hex 46C78B 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
#46C78B }
```

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

```
.border{ border-color:#46C78B }
```

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

Here you see how a box with a 4 pixel #46C78B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46C78B; -webkit-box-shadow:4px 4px  
4px 4px #46C78B; box-shadow:4px 4px 4px  
4px #46C78B }
```

Background

The CSS property to change the background color of an element to Hex 46C78B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46C78B }
```

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

```
.background{ background-color:#46C78B }
```

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