

# Converting Colors

Hex(48B7A7)

Have a look what the booklet for  
Hex(48B7A7) contains.

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**Color**

**Hex(48B7A7)**

# Conversions

## Conversions Part 1

Format	Color
Hex	48B7A7
RGB	72, 183, 167
RGB Percent	28%, 72%, 65%
CMY	0.7176, 0.2824, 0.3451
CMYK	0.61, 0.00, 0.09, 0.28
HSL	171°, 44%, 50%
HSV	171°, 61%, 72%
XYZ	26.5810, 38.0347, 42.4997
YIQ	147.9870, -61.0200, -28.5080

# Conversions

## Conversions Part 2

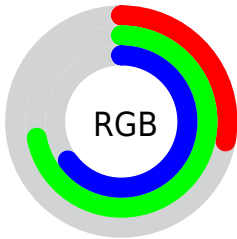
<b>Format</b>	<b>Color</b>
<b>RYB</b>	72, 132, 183
Decimal	4765607
CIELab	68.05, -35.29, -1.26
CIELCh	68, 35.315, 182.038
Yxy	38.0347, 0.2482, 0.3551
Android (android.graphics.Color)	4282955687 (0xFF48B7A7)
YUV	147.9870, 9.3734, -66.6406
Hunter-Lab	61.6723, -30.9922, 2.3126

# Details

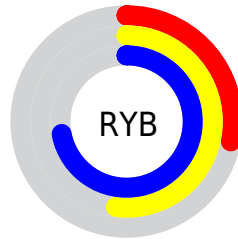
The Hex color **48B7A7** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **B74858**, and the grayscale version is **949494**.

A 20% lighter version of the original color is **83EFDE**, and **008173** is the 20% darker color. If you saturate the color by 10%, you get **36B7A4**, and if you desaturate by 10%, it is **5AB7AA**.

# Distribution



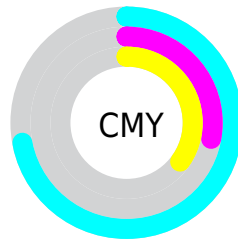
- Red (28%)
- Green (72%)
- Blue (65%)



- Red (28%)
- Yellow (52%)
- Blue (72%)



- Cyan (61%)
- Magenta (0%)
- Yellow (9%)
- Black (28%)



- Cyan (72%)
- Magenta (28%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 48B7A7 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 48B7A7 by changing the saturation by 10% instead.



 48B7A7

 48B7A7

FFFFFF

 259C8D

 83EFDE

 008173

 A1FFFB

 00685B

 BEFFFF

 004F43

 DBFFFF

 00372D

 F9FFFF

 002318

 000000

 48B7A7

 48B7A7

 36B7A4

 5AB7AA

■ 23B7A2

■ 6DB7AC

■ 11B79F

■ 7FB7AF

■ 00B79D

■ 91B7B2

■ A4B7B4

■ B6B7B7

■ C8B7B9

■ DAB7BC

■ EDB7BF

# Harmonies

## Analogous

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



71B487



48B7A7



29B6C7

# Triad

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



48B7A7



AD9DDC



D49A6E

# Complementary

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



48B7A7



B74858

# 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.



E39086



48B7A7



D092C4

# Square

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



48B7A7



7CA8E5



E28DA5



B9A566

# Rectangle

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



48B7A7



37B3D7



E28DA5



DA9675



# Sweetspot

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



48B7A7



C2EDE7



59B748



5D7874



F7F7F7



787878



# Same Dimension

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



48B7A7



40EDD4



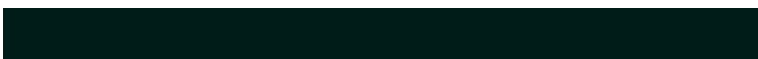
4890B7



535C5A



009C85



001C18



# Inverse Universe

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



B74858



ED4059



B76F48



5C5354



9C0016

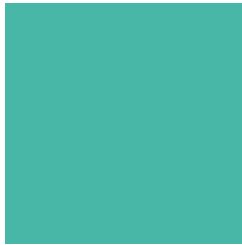


1C0004



# Previews

## White Background



This preview shows how the Hex color 48B7A7 looks on a white background.

## Color Contrast Check

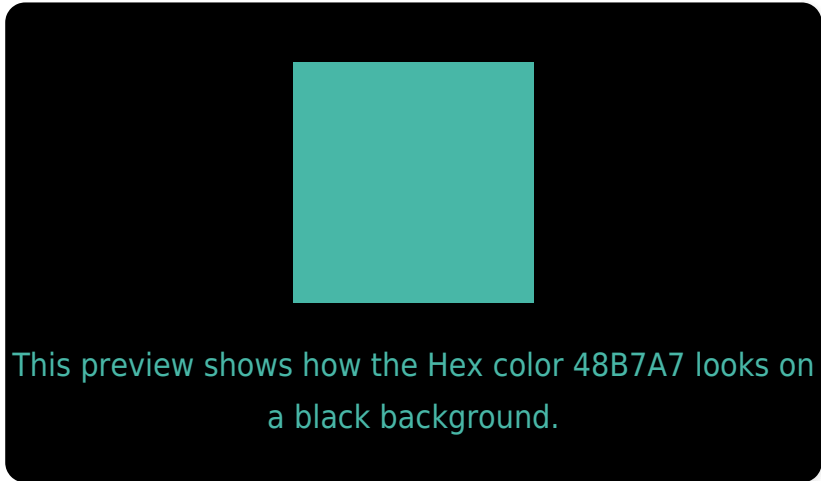
Large Text (above 18pt) WCAG AA × Fail

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

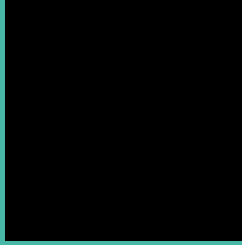
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

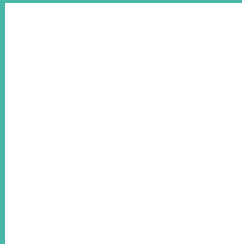
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 48B7A7 Background



This preview shows how black text looks on a background with the Hex color 48B7A7.

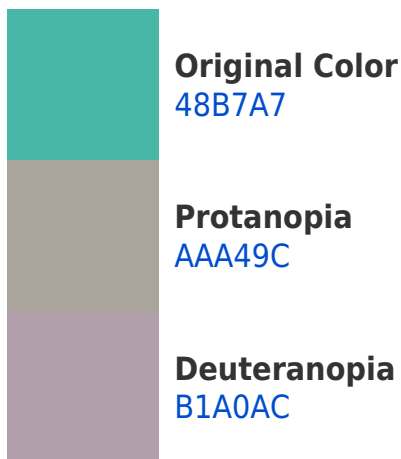


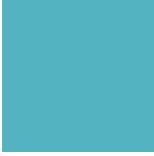
This preview shows how white text looks on a background with the Hex color 48B7A7.

# 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](#).

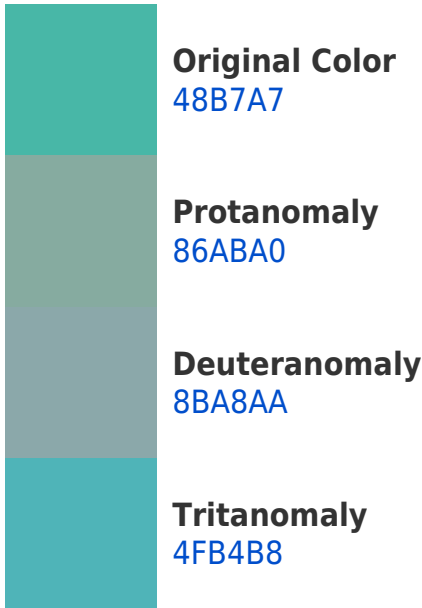
## Dichromacy



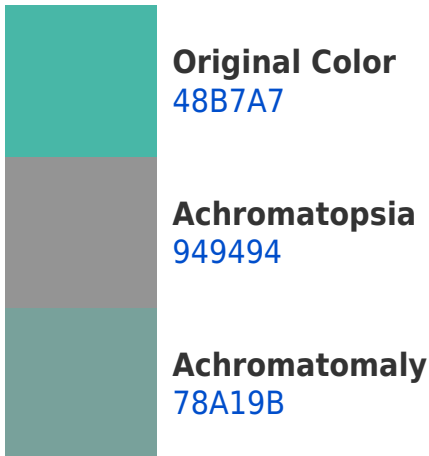


**Tritanopia**  
53B3C2

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 48B7A7 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 #48B7A7 looks like.

```
.text, #text, p{  
    color:#48B7A7  
}
```

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 #48B7A7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #48B7A7
}
```

## Border

The CSS property to change the border of an element to Hex 48B7A7 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
#48B7A7 }
```

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

```
.border{ border-color:#48B7A7 }
```

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

Here you see how a box with a 4 pixel #48B7A7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #48B7A7; -webkit-box-shadow:4px 4px  
4px 4px #48B7A7; box-shadow:4px 4px 4px  
4px #48B7A7 }
```

# Background

The CSS property to change the background color of an element to Hex 48B7A7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#48B7A7 }
```

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

```
.background{ background-color:#48B7A7 }
```

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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