

# Converting Colors

Hex(41B7A8)

Have a look what the booklet for  
Hex(41B7A8) contains.

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**Color**

**Hex(41B7A8)**

# Conversions

## Conversions Part 1

Format	Color
Hex	41B7A8
RGB	65, 183, 168
RGB Percent	25%, 72%, 66%
CMY	0.7451, 0.2824, 0.3412
CMYK	0.64, 0.00, 0.08, 0.28
HSL	172°, 48%, 49%
HSV	172°, 64%, 72%
XYZ	26.1813, 37.8179, 42.9655
YIQ	146.0080, -65.5130, -29.6810

# Conversions

## Conversions Part 2

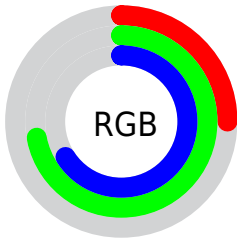
<b>Format</b>	<b>Color</b>
<b>RYB</b>	65, 128, 183
Decimal	4306856
CIELab	67.89, -36.25, -2.06
CIElCh	68, 36.309, 183.259
Yxy	37.8179, 0.2448, 0.3536
Android (android.graphics.Color)	4282496936 (0xFF41B7A8)
YUV	146.0080, 10.8421, -71.0440
Hunter-Lab	61.4963, -31.6242, 1.6234

# Details

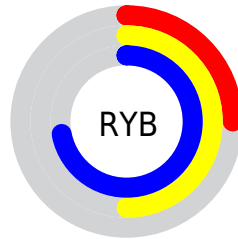
The Hex color **41B7A8** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **B74150**, and the grayscale version is **929292**.

A 20% lighter version of the original color is **7EF0DF**, and **008174** is the 20% darker color. If you saturate the color by 10%, you get **2FB7A6**, and if you desaturate by 10%, it is **53B7AA**.

# Distribution



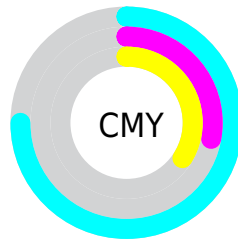
- Red (25%)
- Green (72%)
- Blue (66%)



- Red (25%)
- Yellow (50%)
- Blue (72%)



- Cyan (64%)
- Magenta (0%)
- Yellow (8%)
- Black (28%)



- Cyan (75%)
- Magenta (28%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 41B7A8 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 41B7A8 by changing the saturation by 10% instead.



 41B7A8

 41B7A8

FFFFFF

 199C8E

 7EF0DF

 008174

 9CFFFC

 00685C

 B9FFFF

 004F44

 D7FFFF

 00372E

 F5FFFF

 002319

 000000

 41B7A8

 41B7A8

 2FB7A6

 53B7AA

■ 1CB7A3

■ 66B7AD

■ 0AB7A1

■ 78B7AF

■ 00B7A0

■ 8AB7B1

■ 9CB7B4

■ AFB7B6

■ C1B7B8

■ D3B7BB

■ E6B7BD

# Harmonies

## Analogous

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



6DB487



41B7A8



1CB6C8

# Triad

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



41B7A8



AE9CDC



D3996C

# Complementary

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



41B7A8



B74150

# 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.



E38F83



41B7A8



D291C3

# Square

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



41B7A8



7CA7E6



E48CA3



B8A563

# Rectangle

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



41B7A8



30B3D9



E48CA3



DA9672



# Sweetspot

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



41B7A8



C0EDE7



51B741



5C7874



F7F7F7



787878



# Same Dimension

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



41B7A8



37EDD6



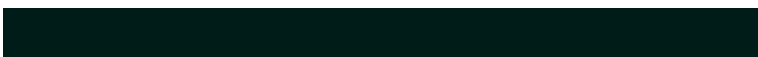
418CB7



535C5B



009C88



001C18



# Inverse Universe

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



B74150



ED374E



B76C41



5C5354



9C0014

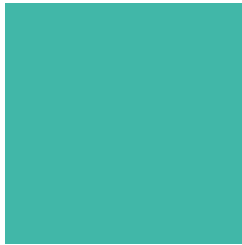


1C0004



# Previews

## White Background



This preview shows how the Hex color 41B7A8 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 41B7A8 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

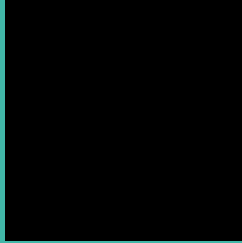
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

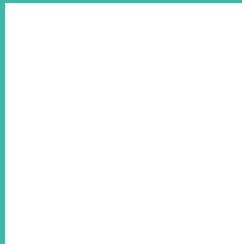
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 41B7A8 Background



This preview shows how black text looks on a background with the Hex color 41B7A8.

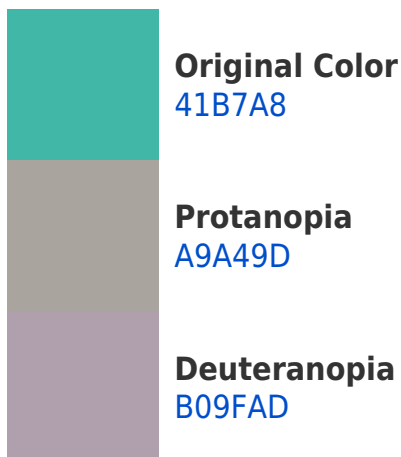


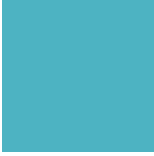
This preview shows how white text looks on a background with the Hex color 41B7A8.

# 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](#).

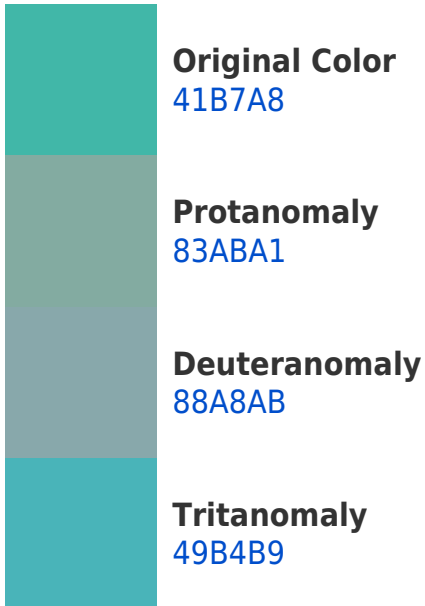
## Dichromacy



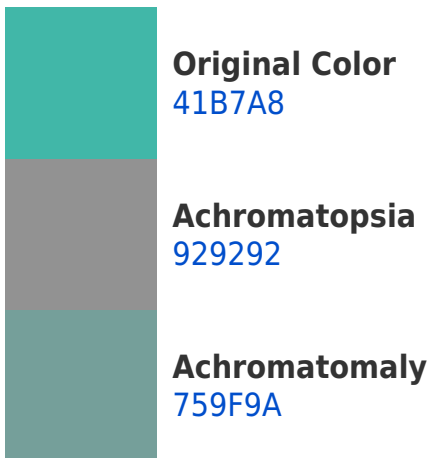


**Tritanopia**  
4DB3C2

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 41B7A8 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 #41B7A8 looks like.

```
.text, #text, p{  
    color:#41B7A8  
}
```

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 #41B7A8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #41B7A8
}
```

## Border

The CSS property to change the border of an element to Hex 41B7A8 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
#41B7A8 }
```

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

```
.border{ border-color:#41B7A8 }
```

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

Here you see how a box with a 4 pixel #41B7A8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #41B7A8; -webkit-box-shadow:4px 4px  
4px 4px #41B7A8; box-shadow:4px 4px 4px  
4px #41B7A8 }
```

# Background

The CSS property to change the background color of an element to Hex 41B7A8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#41B7A8 }
```

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

```
.background{ background-color:#41B7A8 }
```

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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