

# Converting Colors

Hex(3B8180)

Have a look what the booklet for  
Hex(3B8180) contains.

<b>Hex(3B8180)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(3B8180)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3B8180
RGB	59, 129, 128
RGB Percent	23%, 51%, 50%
CMY	0.7686, 0.4941, 0.4980
CMYK	0.54, 0.00, 0.01, 0.49
HSL	179°, 37%, 37%
HSV	179°, 54%, 51%
XYZ	13.5502, 18.1888, 23.2187
YIQ	107.9560, -41.3990, -15.1510

# Conversions

## Conversions Part 2

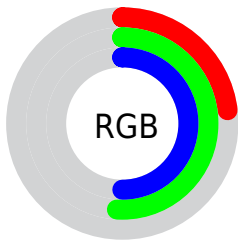
<b>Format</b>	<b>Color</b>
<b>RYB</b>	59, 94, 129
Decimal	3899776
CIELab	49.72, -22.10, -6.17
CIELCh	50, 22.940, 195.601
Yxy	18.1888, 0.2466, 0.3310
Android (android.graphics.Color)	4282089856 (0xFF3B8180)
YUV	107.9560, 9.8817, -42.9344
Hunter-Lab	42.6484, -17.9219, -2.4249

# Details

The Hex color **3B8180** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **813B3C**, and the grayscale version is **6C6C6C**.

A 20% lighter version of the original color is **71B6B5**, and **004F4F** is the 20% darker color. If you saturate the color by 10%, you get **2E8180**, and if you desaturate by 10%, it is **488180**.

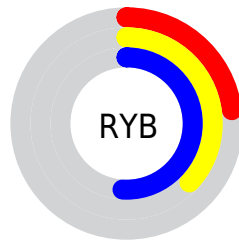
# Distribution



Red (23%)

Green (51%)

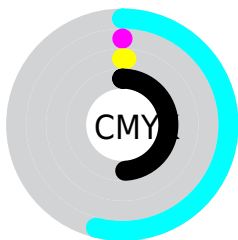
Blue (50%)



Red (23%)

Yellow (37%)

Blue (51%)

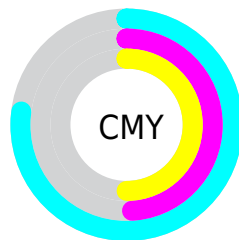


Cyan (54%)

Magenta (0%)

Yellow (1%)

Black (49%)



Cyan (77%)

Magenta (49%)

Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3B8180 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 3B8180 by changing the saturation by 10% instead.





3B8180



3B8180

FFFFFF



1E6867



71B6B5



004F4F



8CD2D0



003838



A8EEED



002323



C4FFFF



00010E



E1FFFF



000000

FEFFFF



3B8180



3B8180



2E8180



488180

■ 218180

■ 558180

■ 14817F

■ 628181

■ 07817F

■ 6F8181

■ 00817F

■ 7C8181

■ 888181

■ 958181

■ A28181

■ AF8182

# Harmonies

## Analogous

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



4D806C



3B8180



3A7F91

# Triad

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



3B8180



866E92



8C7251

# Complementary

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



3B8180



813B3C

# 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.



996C5B



3B8180



976980

# Square

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



3B8180



6C759C



9D686D



7A7850

# Rectangle

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



3B8180



477D99



9D686D



917053



# Sweetspot

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



3B8180



8DA8A8



3C813B



445454



D4D4D4



545454



# Same Dimension

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



3B8180



3BA8A7



3B5F81



394040



00807E



000000



# Inverse Universe

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



813B3C



A83B3C



815D3B



403939



800002

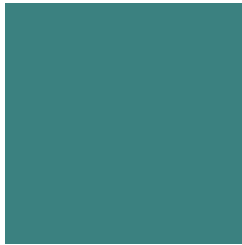


000000



# Previews

## White Background



This preview shows how the Hex color 3B8180 looks on a white background.

## Color Contrast Check

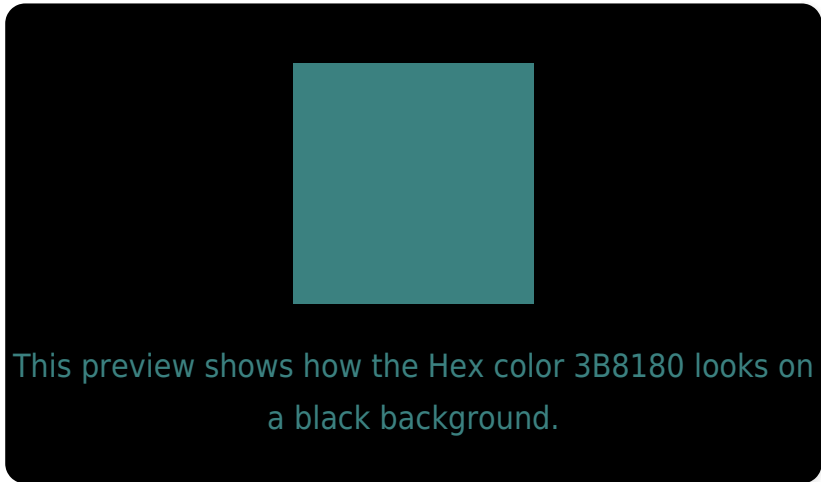
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

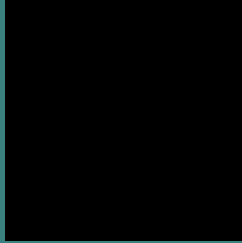
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 3B8180 Background



This preview shows how black text looks on a background with the Hex color 3B8180.

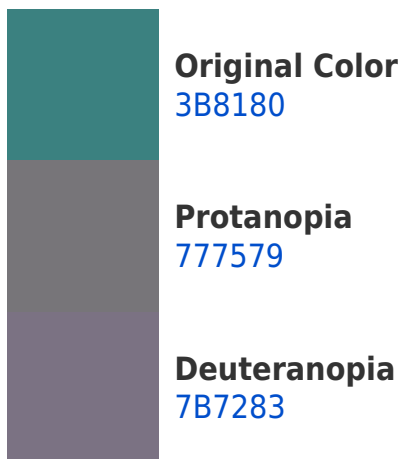


This preview shows how white text looks on a background with the Hex color 3B8180.

# 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**  
3F7F8A

# Trichromacy



**Original Color**  
3B8180

**Protanomaly**  
61797C

**Deuteranomaly**  
647782

**Tritanomaly**  
3E8086

# Monochromacy



**Original Color**  
3B8180

**Achromatopsia**  
6C6C6C

**Achromatomaly**  
5A7473

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3B8180 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 #3B8180 looks like.

```
.text, #text, p{  
    color:#3B8180  
}
```

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 #3B8180 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3B8180
}
```

## Border

The CSS property to change the border of an element to Hex 3B8180 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
#3B8180 }
```

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

```
.border{ border-color:#3B8180 }
```

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

Here you see how a box with a 4 pixel #3B8180 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3B8180; -webkit-box-shadow:4px 4px  
4px 4px #3B8180; box-shadow:4px 4px 4px  
4px #3B8180 }
```

# Background

The CSS property to change the background color of an element to Hex 3B8180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3B8180 }
```

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

```
.background{ background-color:#3B8180 }
```

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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