

# Converting Colors

Hex(3D8199)

Have a look what the booklet for  
Hex(3D8199) contains.

<b>Hex(3D8199)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(3D8199)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3D8199
RGB	61, 129, 153
RGB Percent	24%, 51%, 60%
CMY	0.7608, 0.4941, 0.4000
CMYK	0.60, 0.16, 0.00, 0.40
HSL	196°, 43%, 42%
HSV	196°, 60%, 60%
XYZ	15.5245, 18.9925, 32.9847
YIQ	111.4040, -48.2320, -6.9520

# Conversions

## Conversions Part 2

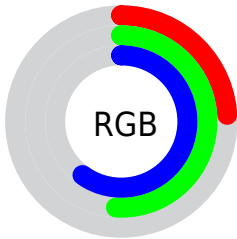
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	61, 100, 153
Decimal	4030873
CIE <sub>Lab</sub>	50.68, -14.09, -19.36
CIE <sub>LCh</sub>	51, 23.945, 233.948
Y <sub>xy</sub>	18.9925, 0.2300, 0.2814
Android (android.graphics.Color)	4282220953 (0xFF3D8199)
Y <sub>UV</sub>	111.4040, 20.5068, -44.2043
Hunter-Lab	43.5804, -12.6793, -14.3685

# Details

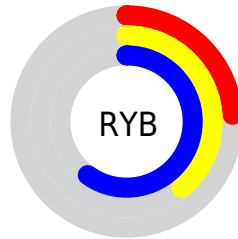
The Hex color **3D8199** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **99553D**, and the grayscale version is **6F6F6F**.

A 20% lighter version of the original color is **75B6CF**, and **005066** is the 20% darker color. If you saturate the color by 10%, you get **2E7D99**, and if you desaturate by 10%, it is **4C8599**.

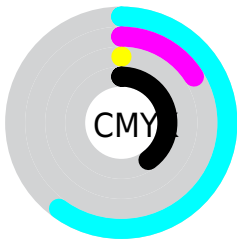
# Distribution



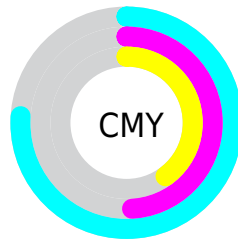
- Red (24%)
- Green (51%)
- Blue (60%)



- Red (24%)
- Yellow (39%)
- Blue (60%)



- Cyan (60%)
- Magenta (16%)
- Yellow (0%)
- Black (40%)



- Cyan (76%)
- Magenta (49%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3D8199 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 3D8199 by changing the saturation by 10% instead.



■ 3D8199

■ 3D8199

FFFFFF

■ 1D687F

■ 75B6CF

■ 005066

■ 91D2EC

■ 00394E

■ ADEEFF

■ 002337

■ C9FFFF

■ 000722

■ E6FFFF

■ 000008

■ 000000

■ 3D8199

■ 3D8199

■ 2E7D99

■ 4C8599

■ 1E7999

■ 5C8999

■ 0F7599

■ 6B8D99

■ 007199

■ 7A9199

■ 8A9599

■ 999999

■ A89D99

■ B7A199

■ C7A599

# Harmonies

## Analogous

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



378488



3D8199



577CA1

# Triad

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



3D8199



9E6A7E



767C53

# Complementary

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



3D8199



99553D

# 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.



8B7650



3D8199



A16A69

# Square

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



3D8199



8F6E91



9A6F58



5E8160

# Rectangle

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



3D8199



6C77A0



9A6F58



7D7A51



# Sweetspot

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



3D8199



A3BEC7



3D9954



4E5E63



E3E3E3



636363



# Same Dimension

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



3D8199



38A2C7



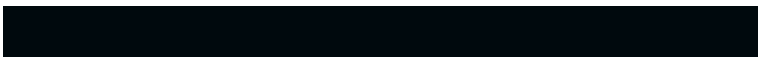
3D5499



454B4D



00688C



00090D



# Inverse Universe

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



993D81



C738A2



99823D



4D454B



8C0068



0D0009



# Previews

## White Background



This preview shows how the Hex color 3D8199 looks on a white background.

## Color Contrast Check

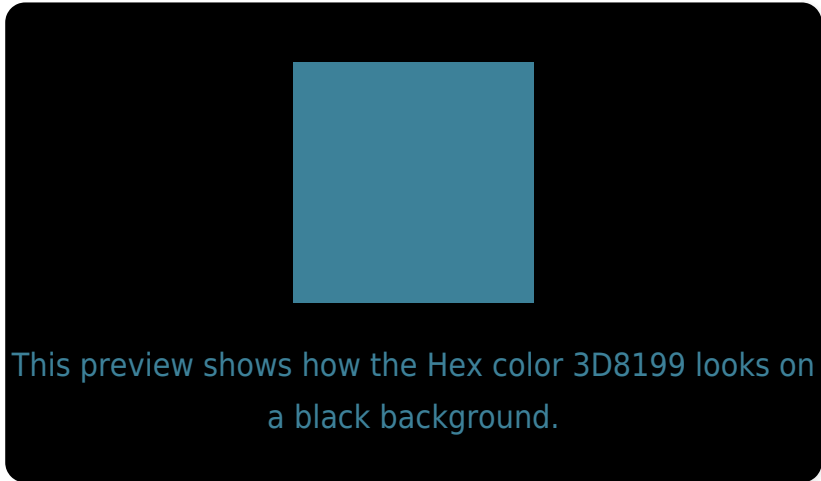
Large Text (above 18pt) WCAG AA ✓ Pass

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

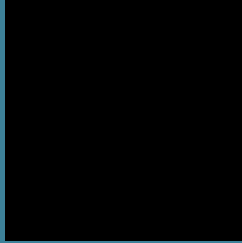
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 3D8199 Background



This preview shows how black text looks on a background with the Hex color 3D8199.

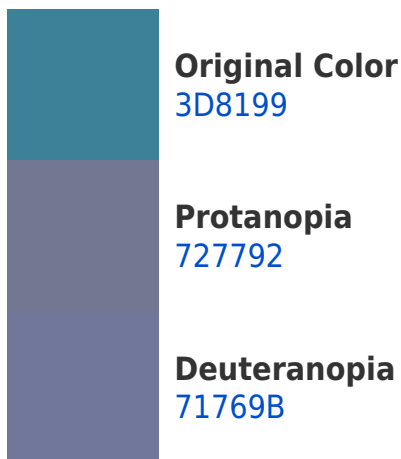


This preview shows how white text looks on a background with the Hex color 3D8199.

# 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](#).

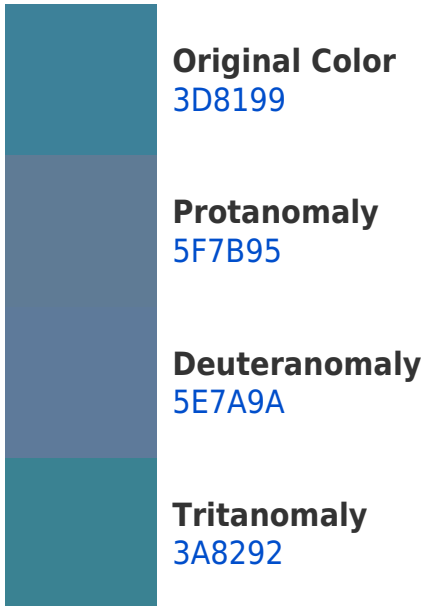
## Dichromacy



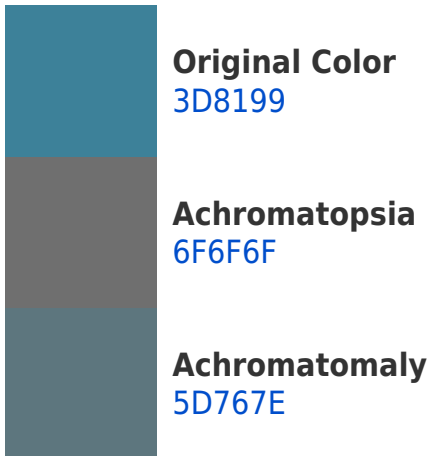


**Tritanopia**  
38838E

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3D8199 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 #3D8199 looks like.

```
.text, #text, p{  
    color:#3D8199  
}
```

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 #3D8199 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3D8199
}
```

## Border

The CSS property to change the border of an element to Hex 3D8199 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
#3D8199 }
```

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

```
.border{ border-color:#3D8199 }
```

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

Here you see how a box with a 4 pixel #3D8199 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3D8199; -webkit-box-shadow:4px 4px  
4px 4px #3D8199; box-shadow:4px 4px 4px  
4px #3D8199 }
```

# Background

The CSS property to change the background color of an element to Hex 3D8199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3D8199 }
```

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

```
.background{ background-color:#3D8199 }
```

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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