

# Converting Colors

Hex(8196BF)

Have a look what the booklet for  
Hex(8196BF) contains.

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# **Color**

**Hex(8196BF)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8196BF
RGB	129, 150, 191
RGB Percent	51%, 59%, 75%
CMY	0.4941, 0.4118, 0.2510
CMYK	0.32, 0.21, 0.00, 0.25
HSL	220°, 33%, 63%
HSV	220°, 32%, 75%
XYZ	29.3636, 30.2414, 53.5798
YIQ	148.3950, -25.6770, 8.2990

# Conversions

## Conversions Part 2

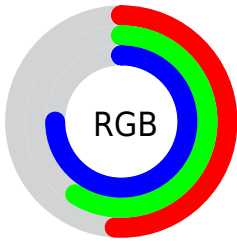
Format	Color
<a href="#">RYB</a>	<a href="#">129, 145, 191</a>
Decimal	<a href="#">8492735</a>
CIELab	<a href="#">61.86, 2.40, -23.65</a>
CIELCh	<a href="#">62, 23.774, 275.784</a>
Yxy	<a href="#">30.2414, 0.2594, 0.2672</a>
Android (android.graphics.Color)	<a href="#">4286682815</a> ( <a href="#">0xFF8196BF</a> )
YUV	<a href="#">148.3950, 21.0043, -17.0094</a>
Hunter-Lab	<a href="#">54.9922, -0.9246, -19.2727</a>

# Details

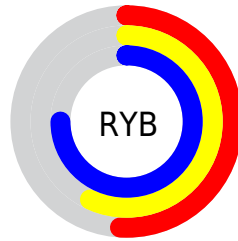
The Hex color **8196BF** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **BFAA81**, and the grayscale version is **949494**.

A 20% lighter version of the original color is **B7CCF7**, and **4D6389** is the 20% darker color. If you saturate the color by 10%, you get **6E89BF**, and if you desaturate by 10%, it is **94A3BF**.

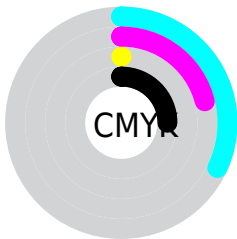
# Distribution



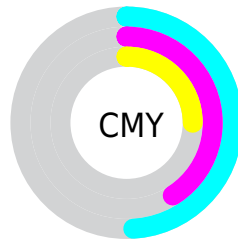
- Red (51%)
- Green (59%)
- Blue (75%)



- Red (51%)
- Yellow (57%)
- Blue (75%)



- Cyan (32%)
- Magenta (21%)
- Yellow (0%)
- Black (25%)



- Cyan (49%)
- Magenta (41%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 8196BF 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 8196BF by changing the saturation by 10% instead.



■ 8196BF

FFFFFF

■ B7CCF7

■ D3E8FF

■ F0FFFF

■ 8196BF

■ 677CA4

■ 4D6389

■ 344C70

■ 1B3557

■ 002040

■ 00082A

■ 000114

■ 000000

■ 8196BF

■ 8196BF

■ 6E89BF

■ 94A3BF

■ 5B7DBF

■ A7AFBF

■ 4870BF

■ BABCBF

■ 3563BF

■ CDC9BF

■ 2157BF

■ E1D5BF

■ 0E4ABF

■ F4E2BF

■ 0041BF

■ FFEEBF

■ FFFBBF

■ FFFFBF

# Harmonies

## Analogous

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



659CBB



8196BF



9E8FB8

# Triad

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



8196BF



BF887E



71A084

# Complementary

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



8196BF



BFAA81

# 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.



8A9C73



8196BF



B38E70

# Square

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



8196BF



BF8692



A1956C



5DA199

# Rectangle

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



8196BF



AE8AAD



A1956C



799F7D



# Sweetspot

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



8196BF



DFE7F7



81BFA9



6E737D



FCFCFC



7D7D7D



# Same Dimension

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



8196BF



97B8F7



8A81BF



55585E



00369E



000A1F



# Inverse Universe

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



BF8196



F797B8



B6BF81



5E5558



9E0036

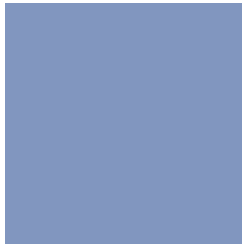


1F000A



# Previews

## White Background



This preview shows how the Hex color 8196BF 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 8196BF looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

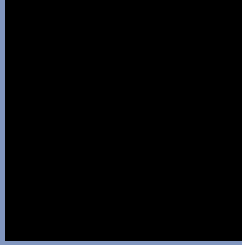
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

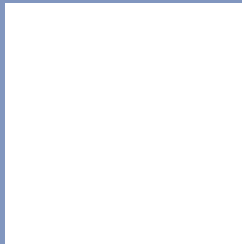
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 8196BF Background



This preview shows how black text looks on a background with the Hex color 8196BF.



This preview shows how white text looks on a background with the Hex color 8196BF.

# 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



**Original Color**  
8196BF

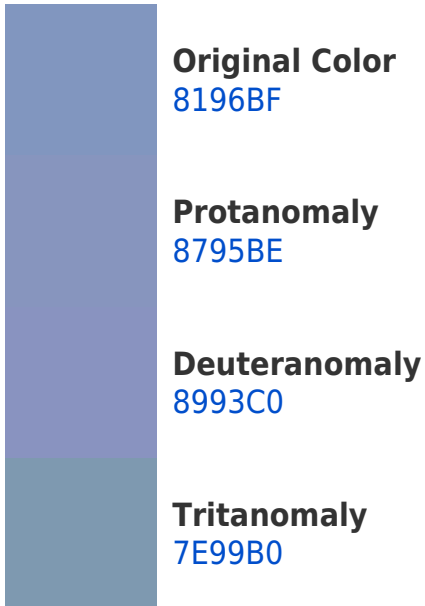
**Protanopia**  
8B94BD

**Deuteranopia**  
8D92C0



**Tritanopia**  
7C9AA7

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 8196BF 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 #8196BF looks like.

```
.text, #text, p{  
    color:#8196BF  
}
```

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 #8196BF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #8196BF
}
```

## Border

The CSS property to change the border of an element to Hex 8196BF 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
#8196BF }
```

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

```
.border{ border-color:#8196BF }
```

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

Here you see how a box with a 4 pixel #8196BF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #8196BF; -webkit-box-shadow:4px 4px  
4px 4px #8196BF; box-shadow:4px 4px 4px  
4px #8196BF }
```

# Background

The CSS property to change the background color of an element to Hex 8196BF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#8196BF }
```

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

```
.background{ background-color:#8196BF }
```

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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