

# Converting Colors

Hex(816198)

Have a look what the booklet for  
Hex(816198) contains.

<b>Hex(816198)</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(816198)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	816198
RGB	129, 97, 152
RGB Percent	51%, 38%, 60%
CMY	0.4941, 0.6196, 0.4039
CMYK	0.15, 0.36, 0.00, 0.40
HSL	275°, 22%, 49%
HSV	275°, 36%, 60%
XYZ	18.9955, 15.4835, 31.6932
YIQ	112.8380, 1.4170, 23.8890

# Conversions

## Conversions Part 2

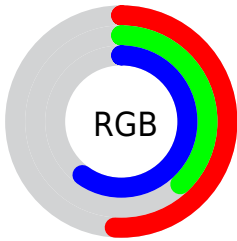
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	129, 97, 152
Decimal	8479128
CIE <sub>Lab</sub>	46.29, 23.84, -25.15
CIE <sub>LCh</sub>	46, 34.654, 313.470
Yxy	15.4835, 0.2871, 0.2340
Android (android.graphics.Color)	4286669208 (0xFF816198)
YUV	112.8380, 19.3069, 14.1741
Hunter-Lab	39.3491, 17.3085, -20.2100

# Details

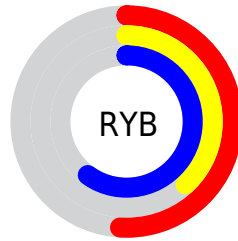
The Hex color **816198** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **789861**, and the grayscale version is **717171**.

A 20% lighter version of the original color is **B794CE**, and **4F3265** is the 20% darker color. If you saturate the color by 10%, you get **7B5298**, and if you desaturate by 10%, it is **877098**.

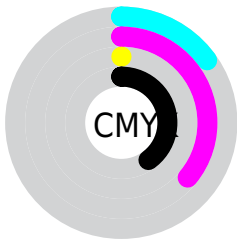
# Distribution



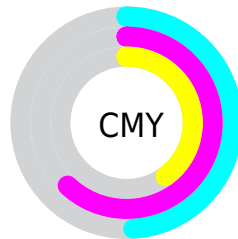
- Red (51%)
- Green (38%)
- Blue (60%)



- Red (51%)
- Yellow (38%)
- Blue (60%)



- Cyan (15%)
- Magenta (36%)
- Yellow (0%)
- Black (40%)



- Cyan (49%)
- Magenta (62%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 816198 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 816198 by changing the saturation by 10% instead.



816198

816198

FFFFFF

67497E

B794CE

4F3265

D3AFEB

371C4D

EFCAFF

200636

FFE7FF

000020

000004

000000

816198

816198

7B5298

877098

744398

8E7F98

6E3398

948F98

682498

9A9E98

611598

A1AD98

5B0698

A7BC98

580098

ADCB98

B4DB98

BAEA98

# Harmonies

## Analogous

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



566CA6



816198



9B587F

# Triad

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



816198



8D6636



007D7A

# Complementary

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



816198



789861

# 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.



277B5C



816198



737033

# Square

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



816198



9F5C47



527742



007B95

# Rectangle

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



816198



A4556B



527742



007D70



# Sweetspot

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



816198



BBAFC4



617998



5E5763



E3E3E3



636363



# Same Dimension

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



816198



A170C4



986194



49454D



52008C



07000D



# Inverse Universe

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



986178



C47093



619865



4D4548



8C003B

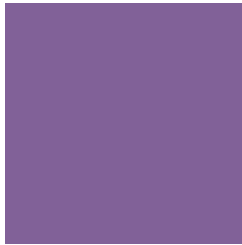


0D0005



# Previews

## White Background



This preview shows how the Hex color 816198 looks on a white background.

## Color Contrast Check

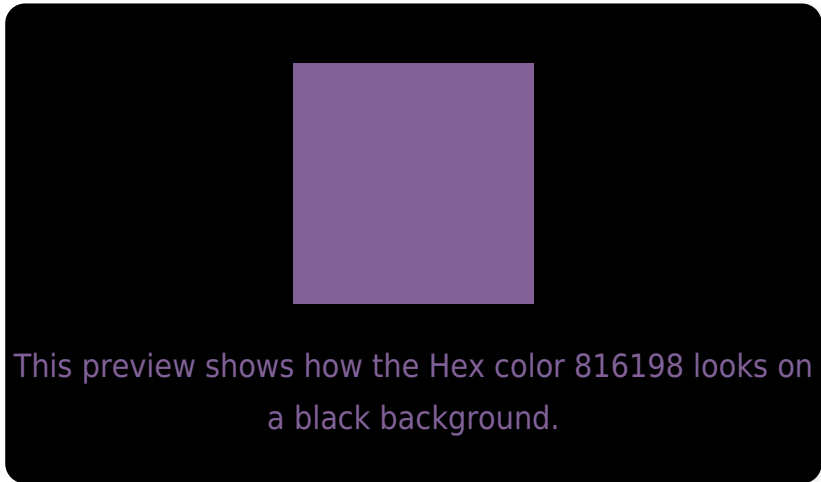
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

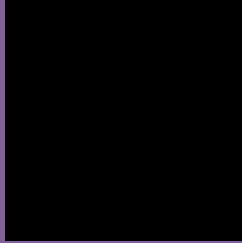
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 816198 Background



This preview shows how black text looks on a background with the Hex color 816198.

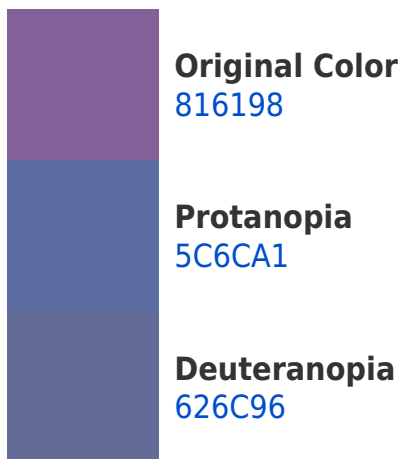


This preview shows how white text looks on a background with the Hex color 816198.

# 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**  
7B6971

# Trichromacy



**Original Color**  
816198

**Protanomaly**  
69689E

**Deuteranomaly**  
6D6897

**Tritanomaly**  
7D667F

# Monochromacy



**Original Color**  
816198

**Achromatopsia**  
717171

**Achromatomaly**  
776B7F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 816198 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 #816198 looks like.

```
.text, #text, p{  
    color:#816198  
}
```

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 #816198 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #816198  
}
```

## Border

The CSS property to change the border of an element to Hex 816198 is called "border". The border property can be set on classes, ids or directly on the HTML element.

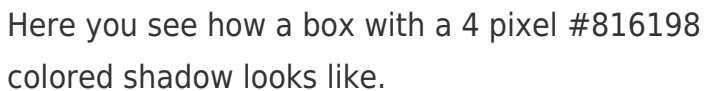
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid  
#816198 }
```

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

```
.border{ border-color:#816198 }
```

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



Here you see how a box with a 4 pixel #816198 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #816198; -webkit-box-shadow:4px 4px  
4px 4px #816198; box-shadow:4px 4px 4px  
4px #816198 }
```

# Background

The CSS property to change the background color of an element to Hex 816198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#816198 }
```

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

```
.background{ background-color:#816198 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor