

# Converting Colors

Hex(3B3298)

Have a look what the booklet for  
Hex(3B3298) contains.

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# Color

**Hex(3B3298)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3B3298
RGB	59, 50, 152
RGB Percent	23%, 20%, 60%
CMY	0.7686, 0.8039, 0.4039
CMYK	0.61, 0.67, 0.00, 0.40
HSL	245°, 50%, 40%
HSV	245°, 67%, 60%
XYZ	8.6117, 5.4780, 30.3092
YIQ	64.3190, -27.3780, 33.6300

# Conversions

## Conversions Part 2

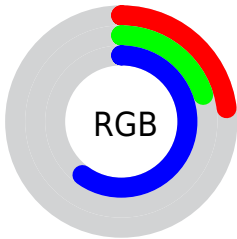
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	59, 50, 152
Decimal	3879576
CIE Lab	28.06, 34.68, -54.63
CIE LCh	28, 64.707, 302.406
Yxy	5.4780, 0.1940, 0.1234
Android (android.graphics.Color)	4282069656 (0xFF3B3298)
YUV	64.3190, 43.2267, -4.6648
Hunter-Lab	23.4051, 24.7186, -60.3959

# Details

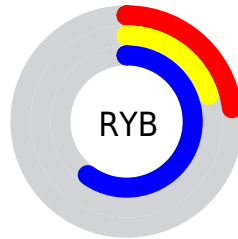
The Hex color **3B3298** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **8F9832**, and the grayscale version is **404040**.

A 20% lighter version of the original color is **7461CF**, and **000764** is the 20% darker color. If you saturate the color by 10%, you get **2D2398**, and if you desaturate by 10%, it is **494198**.

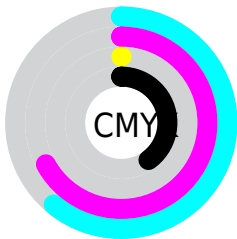
# Distribution



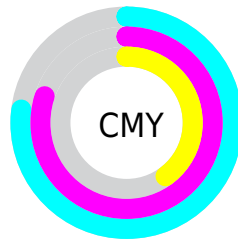
- Red (23%)
- Green (20%)
- Blue (60%)



- Red (23%)
- Yellow (20%)
- Blue (60%)



- Cyan (61%)
- Magenta (67%)
- Yellow (0%)
- Black (40%)



- Cyan (77%)
- Magenta (80%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3B3298 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 3B3298 by changing the saturation by 10% instead.



 3B3298

 3B3298

FFFFFF

 191C7E

 7461CF

 000764

 907AEC

 00004B

 AD94FF

 000433

 CAAFFF

 00021D

 E7CBFF

 000000

 FFE7FF

 3B3298

 3B3298

 2D2398

 494198

■ 1F1498

■ 575098

■ 110498

■ 656098

■ 0D0098

■ 726F98

■ 807E98

■ 8E8D98

■ 9C9C98

■ AAAC98

■ B8BB98

# Harmonies

## Analogous

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



0049A8



3B3298



7E0071

# Triad

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



3B3298



752B00



005545

# Complementary

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



3B3298



8F9832

# 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.



00530C



3B3298



4F4200

# Square

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



3B3298



8E0010



164E00



005677

# Rectangle

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



3B3298



900051



164E00



005534



# Sweetspot

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



3B3298



A19DC4



329098



4E4C63



E3E3E3



636363



# Same Dimension

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



3B3298



3325C4



6D3298



46454D



0C008C



01000D



# Inverse Universe

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



98328F



C425B6



5D9832



4D454C



8C0080

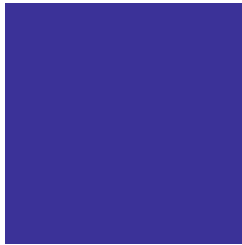


0D000C



# Previews

## White Background



This preview shows how the Hex color 3B3298 looks on a white background.

## Color Contrast Check

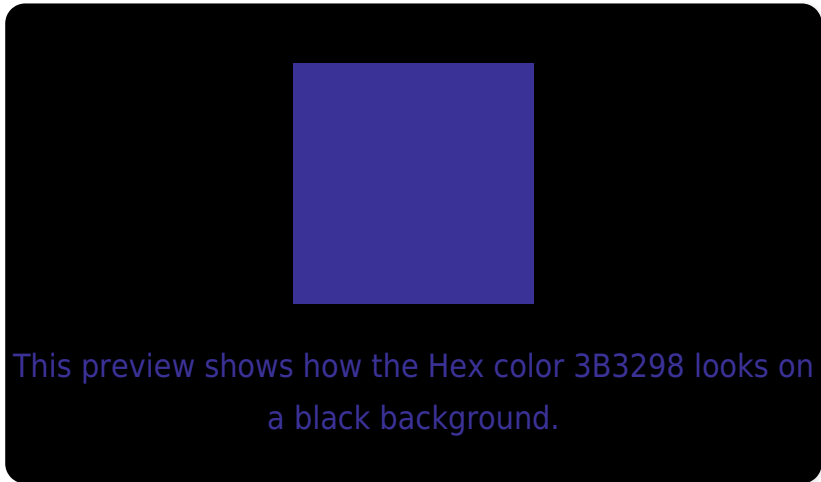
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

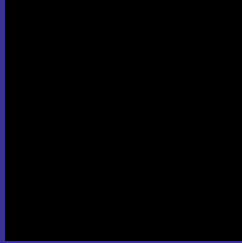
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 3B3298 Background



This preview shows how black text looks on a background with the Hex color 3B3298.



This preview shows how white text looks on a background with the Hex color 3B3298.

# 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](#).

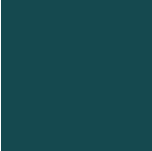
## Dichromacy



**Original Color**  
3B3298

**Protanopia**  
004087

**Deuteranopia**  
004474



**Tritanopia**  
15494F

# Trichromacy



**Original Color**  
3B3298

**Protanomaly**  
153B8D

**Deuteranomaly**  
153D81

**Tritanomaly**  
23416A

# Monochromacy



**Original Color**  
3B3298

**Achromatopsia**  
404040

**Achromatomaly**  
3E3B60

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3B3298 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 #3B3298 looks like.

```
.text, #text, p{  
    color:#3B3298  
}
```

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 #3B3298 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3B3298
}
```

## Border

The CSS property to change the border of an element to Hex 3B3298 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
#3B3298 }
```

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

```
.border{ border-color:#3B3298 }
```

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

Here you see how a box with a 4 pixel #3B3298 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3B3298; -webkit-box-shadow:4px 4px  
4px 4px #3B3298; box-shadow:4px 4px 4px  
4px #3B3298 }
```

# Background

The CSS property to change the background color of an element to Hex 3B3298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3B3298 }
```

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

```
.background{ background-color:#3B3298 }
```

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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