

# Converting Colors

Hex(3B00B0)

Have a look what the booklet for  
Hex(3B00B0) contains.

<b>Hex(3B00B0)</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(3B00B0)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3B00B0
RGB	59, 0, 176
RGB Percent	23%, 0%, 69%
CMY	0.7686, 1.0000, 0.3098
CMYK	0.66, 1.00, 0.00, 0.31
HSL	260°, 100%, 35%
HSV	260°, 100%, 69%
XYZ	9.6401, 4.0644, 41.3507
YIQ	37.7050, -21.3320, 67.2440

# Conversions

## Conversions Part 2

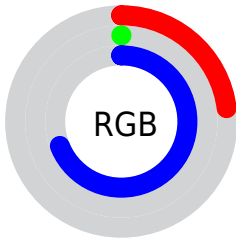
<b>Format</b>	<b>Color</b>
<b>RYB</b>	59, 0, 176
Decimal	3866800
CIELab	23.88, 61.27, -76.07
CIELCh	24, 97.674, 308.848
Yxy	4.0644, 0.1751, 0.0738
Android (android.graphics.Color)	4282056880 (0xFF3B00B0)
YUV	37.7050, 68.1794, 18.6757
Hunter-Lab	20.1603, 50.0730, -107.4970

# Details

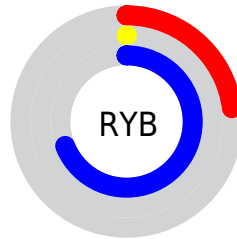
The Hex color **3B00B0** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **75B000**, and the grayscale version is **252525**.

A 20% lighter version of the original color is **7C40E9**, and **00007A** is the 20% darker color. If you saturate the color by 10%, you get **3B00B0**, and if you desaturate by 10%, it is **4712B0**.

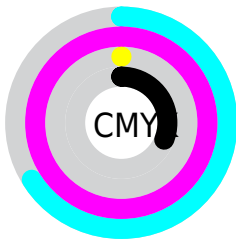
# Distribution



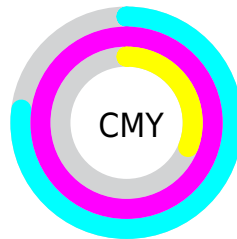
- Red (23%)
- Green (0%)
- Blue (69%)



- Red (23%)
- Yellow (0%)
- Blue (69%)



- Cyan (66%)
- Magenta (100%)
- Yellow (0%)
- Black (31%)



- Cyan (77%)
- Magenta (100%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3B00B0 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 3B00B0 by changing the saturation by 10% instead.



 3B00B0

 3B00B0

FFFFFF

 060094

 7C40E9

 00007A

 9A5AFF

 000060

 B874FF

 000847

 D690FF

 000430

 F5ABFF

 00011A

 FFC7FF

 000000

 FFE4FF

 3B00B0


 4712B0

 5223B0

 5E35B0

 6A46B0

 7558B0

 816AB0

 8D7BB0

 998DB0

 A49EB0

# Harmonies

## Analogous

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



0041D2



3B00B0



970070

# Triad

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



3B00B0



6E1B00



004F4E

# Complementary

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



3B00B0



75B000

# 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.



004D00



3B00B0



333E00

# Square

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



3B00B0



980000



004900



005197

# Rectangle

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



3B00B0



A90040



004900



004E34



# Sweetspot

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



3B00B0



B8A1E6



0075B0



574973



F2F2F2



737373



# Same Dimension

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



3B00B0



4D00E6



9300B0



535059



330099



09001A



# Inverse Universe

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



B00075



E60099



1DB000



595056



990066

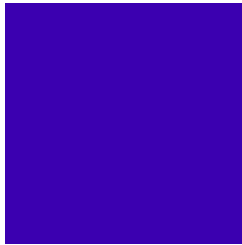


1A0011



# Previews

## White Background



This preview shows how the Hex color 3B00B0 looks on a white background.

## Color Contrast Check

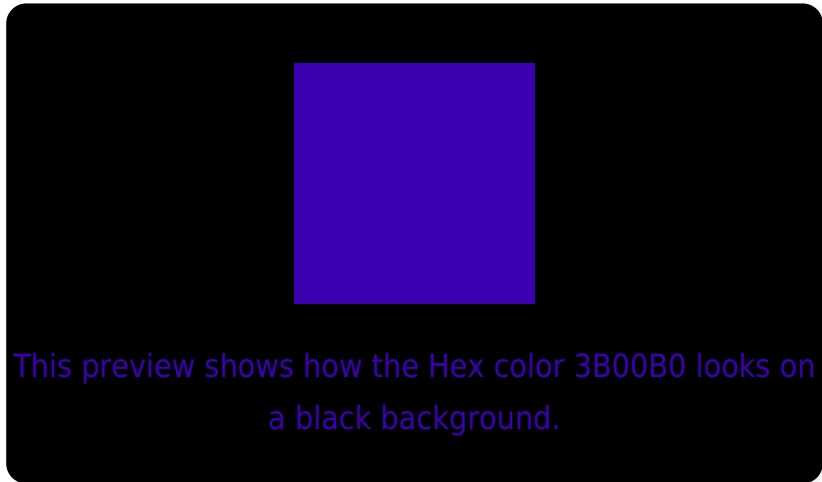
Large Text (above 18pt) WCAG AA ✓ Pass

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

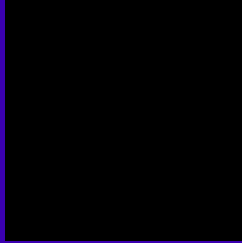
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 3B00B0 Background



This preview shows how black text looks on a background with the Hex color 3B00B0.



This preview shows how white text looks on a background with the Hex color 3B00B0.

# 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**  
3B00B0

**Protanopia**  
003A79

**Deuteranopia**  
003D67



# Trichromacy



**Original Color**  
3B00B0

**Protanomaly**  
15258D

**Deuteranomaly**  
152782

**Tritanomaly**  
152A6D

# Monochromacy



**Original Color**  
3B00B0

**Achromatopsia**  
262626

**Achromatomaly**  
2E1858

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3B00B0 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 #3B00B0 looks like.

```
.text, #text, p{  
    color:#3B00B0  
}
```

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 #3B00B0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3B00B0
}
```

## Border

The CSS property to change the border of an element to Hex 3B00B0 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".

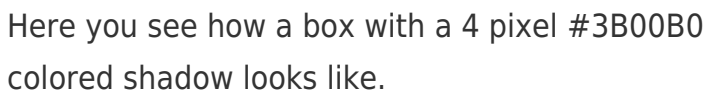
```
.border, #border, table{ border:4px solid
#3B00B0 }
```

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

```
.border{ border-color:#3B00B0 }
```

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

Here you see how a box with a 4 pixel #3B00B0 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3B00B0; -webkit-box-shadow:4px 4px  
4px 4px #3B00B0; box-shadow:4px 4px 4px  
4px #3B00B0 }
```

# Background

The CSS property to change the background color of an element to Hex 3B00B0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3B00B0 }
```

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

```
.background{ background-color:#3B00B0 }
```

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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