

# Converting Colors

Hex(3300B0)

Have a look what the booklet for  
Hex(3300B0) contains.

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# Color

**Hex(3300B0)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3300B0
RGB	51, 0, 176
RGB Percent	20%, 0%, 69%
CMY	0.8000, 1.0000, 0.3098
CMYK	0.71, 1.00, 0.00, 0.31
HSL	257°, 100%, 35%
HSV	257°, 100%, 69%
XYZ	9.2017, 3.8384, 41.3302
YIQ	35.3130, -26.1000, 65.5480

# Conversions

## Conversions Part 2

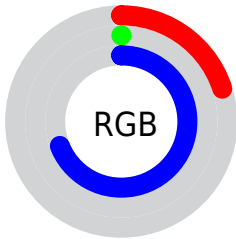
<b>Format</b>	<b>Color</b>
<b>RYB</b>	51, 0, 176
Decimal	3342512
CIELab	23.13, 60.92, -77.34
CIELCh	23, 98.458, 308.227
Yxy	3.8384, 0.1692, 0.0706
Android (android.graphics.Color)	4281532592 (0xFF3300B0)
YUV	35.3130, 69.3587, 13.7575
Hunter-Lab	19.5918, 49.5506, -111.3617

# Details

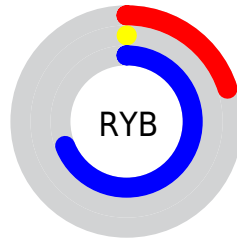
The Hex color **3300B0** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **7DB000**, and the grayscale version is **232323**.

A 20% lighter version of the original color is **763FE9**, and **00007A** is the 20% darker color. If you saturate the color by 10%, you get **3300B0**, and if you desaturate by 10%, it is **4012B0**.

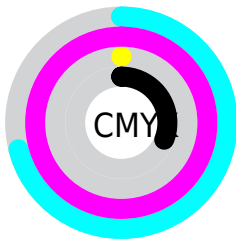
# Distribution



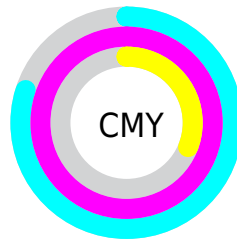
- Red (20%)
- Green (0%)
- Blue (69%)



- Red (20%)
- Yellow (0%)
- Blue (69%)



- Cyan (71%)
- Magenta (100%)
- Yellow (0%)
- Black (31%)



- Cyan (80%)
- Magenta (100%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3300B0 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 3300B0 by changing the saturation by 10% instead.



 3300B0

 3300B0

FFFFFF

 000094

 763FE9

 00007A

 9559FF

 000060

 B373FF

 000847

 D18EFF

 00042F

 F0AAFF

 00011A

 FFC6FF

 000000

 FFE2FF

 3300B0

 4012B0

 4C23B0

 5935B0

 6546B0

 7258B0

 7E6AB0

 8B7BB0

 978DB0

 A39EB0

# Harmonies

## Analogous

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



0041D1



3300B0



940070

# Triad

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



3300B0



6D1700



004D4B

# Complementary

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



3300B0



7DB000

# 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.



004B00



3300B0



323C00

# Square

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



3300B0



970000



004700



004F94

# Rectangle

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



3300B0



A70040



004700



004C31



# Sweetspot

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



3300B0



B5A1E6



007EB0



554973



F2F2F2



737373



# Same Dimension

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



3300B0



4300E6



8A00B0



535059



2C0099



07001A



# Inverse Universe

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



B0007D



E600A3



26B000



595057



99006D

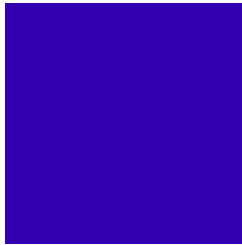


1A0012



# Previews

## White Background



This preview shows how the Hex color 3300B0 looks on a white background.

## Color Contrast Check

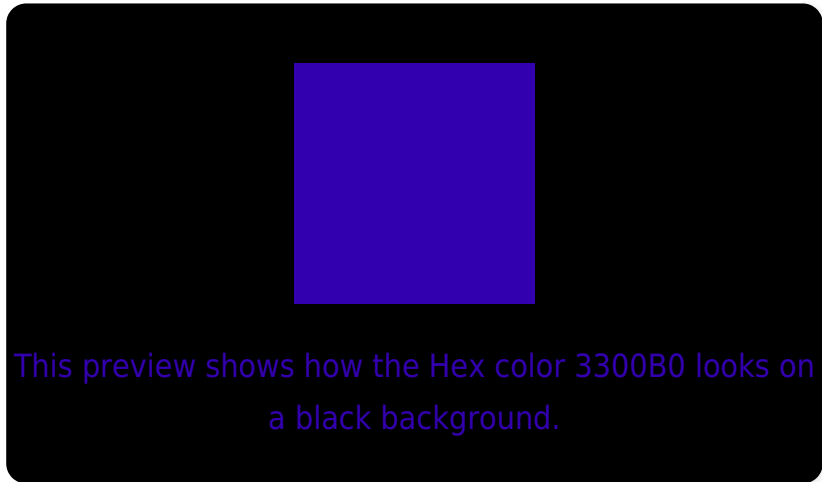
Large Text (above 18pt) WCAG AA ✓ Pass

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

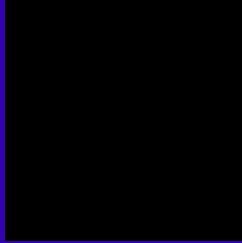
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 3300B0 Background



This preview shows how black text looks on a background with the Hex color 3300B0.



This preview shows how white text looks on a background with the Hex color 3300B0.

# 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**  
3300B0

**Protanopia**  
003875

**Deuteranopia**  
003C64



# Trichromacy



**Original Color**  
3300B0

**Protanomaly**  
13248A

**Deuteranomaly**  
132680

**Tritanomaly**  
13296B

# Monochromacy



**Original Color**  
3300B0

**Achromatopsia**  
232323

**Achromatomaly**  
291656

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3300B0 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 #3300B0 looks like.

```
.text, #text, p{  
    color:#3300B0  
}
```

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 #3300B0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3300B0
}
```

## Border

The CSS property to change the border of an element to Hex 3300B0 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".

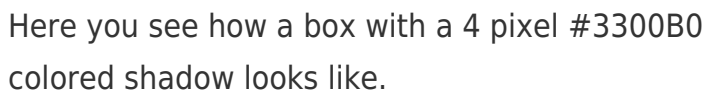
```
.border, #border, table{ border:4px solid
#3300B0 }
```

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

```
.border{ border-color:#3300B0 }
```

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

Here you see how a box with a 4 pixel #3300B0 colored shadow looks like.

A rectangular box with a thick blue border and a blue shadow. The box is white with a blue border and a blue shadow. The shadow is a 4px offset, 4px blur, 4px spread, and #3300B0 color.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3300B0; -webkit-box-shadow:4px 4px  
4px 4px #3300B0; box-shadow:4px 4px 4px  
4px #3300B0 }
```

# Background

The CSS property to change the background color of an element to Hex 3300B0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3300B0 }
```

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

```
.background{ background-color:#3300B0 }
```

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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