

# Converting Colors

Hex(3301B7)

Have a look what the booklet for  
Hex(3301B7) contains.

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# Color

**Hex(3301B7)**

# Conversions

Conversions Part 1	
Format	Color
Hex	3301B7
RGB	51, 1, 183
RGB Percent	20%, 0%, 72%
CMY	0.8000, 0.9961, 0.2824
CMYK	0.72, 0.99, 0.00, 0.28
HSL	256°, 99%, 36%
HSV	256°, 99%, 72%
XYZ	9.9233, 4.1444, 45.0767
YIQ	36.6980, -28.6220, 67.2020

# Conversions

## Conversions Part 2

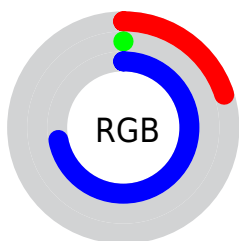
Format	Color
<a href="#">RYB</a>	<a href="#">51, 1, 183</a>
Decimal	<a href="#">3342775</a>
CIELab	<a href="#">24.14, 62.41, -79.85</a>
CIELCh	<a href="#">24, 101.342, 308.010</a>
Yxy	<a href="#">4.1444, 0.1678, 0.0701</a>
Android (android.graphics.Color)	<a href="#">4281532855</a> (0xFF3301B7)
YUV	<a href="#">36.6980, 72.1269, 12.5429</a>
Hunter-Lab	<a href="#">20.3578, 51.3829, -117.0305</a>

# Details

The Hex color **3301B7** is a dark color, and the websafe version is hex **3300CC**. A complement of this color would be **85B701**, and the grayscale version is **242424**.

A 20% lighter version of the original color is **7740F0**, and **000080** is the 20% darker color. If you saturate the color by 10%, you get **3200B7**, and if you desaturate by 10%, it is **4013B7**.

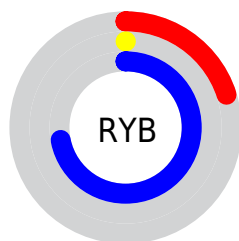
# Distribution



Red (20%)

Green (0%)

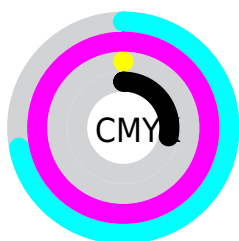
Blue (72%)



Red (20%)

Yellow (0%)

Blue (72%)

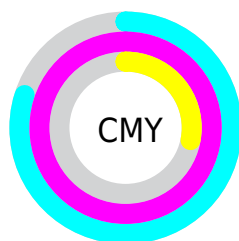


Cyan (72%)

Magenta (99%)

Yellow (0%)

Black (28%)



Cyan (80%)

Magenta (100%)

Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3301B7 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 3301B7 by changing the saturation by 10% instead.



 3301B7

 3301B7

FFFFFF

 00009B

 7740F0

 000080

 965AFF

 000066

 B575FF

 000A4D

 D390FF

 000535

 F2ABFF

 00021F

 FFC8FF

 000002

 FFE4FF

 000000

 3301B7

 3301B7

 3200B7

 4013B7

 4E26B7

 5B38B7

 684AB7

 755DB7

 836FB7

 9081B7

 9D93B7

 AAA6B7

# Harmonies

## Analogous

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



0044D9



3301B7



9A0075

# Triad

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



3301B7



721700



00504D

# Complementary

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



3301B7



85B701

# 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.



004E00



3301B7



353E00

# Square

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



3301B7



9C0000



004A00



005299

# Rectangle

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



3301B7



AD0043



004A00



004F32



# Sweetspot

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



3301B7



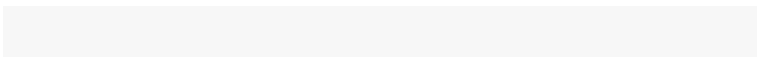
BAA6ED



0186B7



594D78



F7F7F7



787878



# Same Dimension

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



3301B7



4100ED



8D01B7



55535C



2B009C



08001C



# Inverse Universe

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



B70185



ED00AC



2BB701



5C5359



9C0071

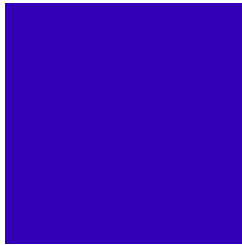


1C0014



# Previews

## White Background



This preview shows how the Hex color 3301B7 looks on a white background.

## Color Contrast Check

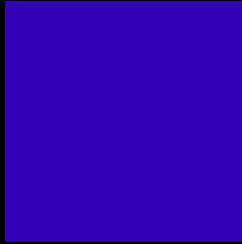
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



This preview shows how the Hex color 3301B7 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

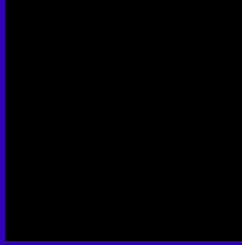
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 3301B7 Background



This preview shows how black text looks on a background with the Hex color 3301B7.



This preview shows how white text looks on a background with the Hex color 3301B7.

# 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**  
3301B7

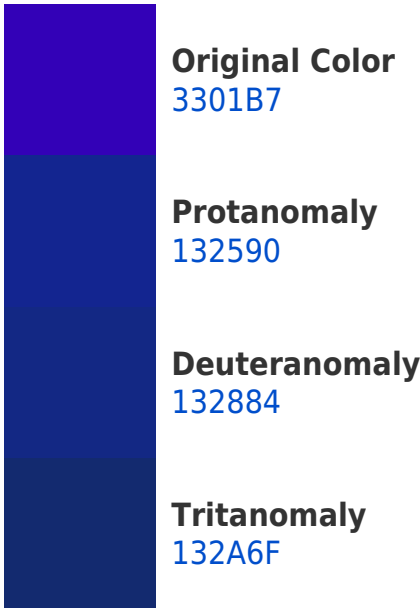
**Protanopia**  
003A79

**Deuteranopia**  
003E67

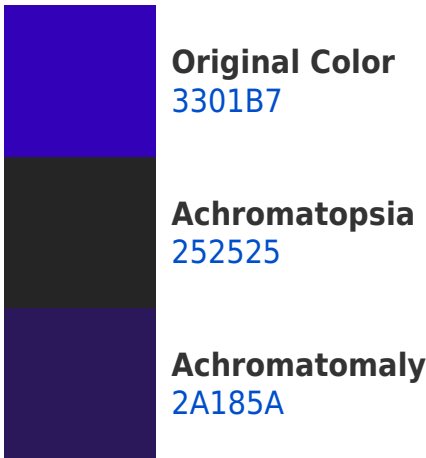


**Tritanopia**  
004246

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3301B7 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 #3301B7 looks like.

```
.text, #text, p{  
    color:#3301B7  
}
```

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 #3301B7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3301B7
}
```

## Border

The CSS property to change the border of an element to Hex 3301B7 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
#3301B7 }
```

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

```
.border{ border-color:#3301B7 }
```

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

Here you see how a box with a 4 pixel #3301B7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3301B7; -webkit-box-shadow:4px 4px  
4px 4px #3301B7; box-shadow:4px 4px 4px  
4px #3301B7 }
```

# Background

The CSS property to change the background color of an element to Hex 3301B7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3301B7 }
```

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

```
.background{ background-color:#3301B7 }
```

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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