

# Converting Colors

Hex(3A00B7)

Have a look what the booklet for  
Hex(3A00B7) contains.

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# Color

**Hex(3A00B7)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3A00B7
RGB	58, 0, 183
RGB Percent	23%, 0%, 72%
CMY	0.7725, 1.0000, 0.2824
CMYK	0.68, 1.00, 0.00, 0.28
HSL	259°, 100%, 36%
HSV	259°, 100%, 72%
XYZ	10.2922, 4.3184, 45.0908
YIQ	38.2040, -24.1750, 69.2090

# Conversions

## Conversions Part 2

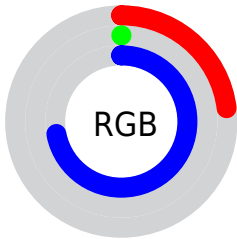
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	58, 0, 183
Decimal	3801271
CIE <sub>Lab</sub>	24.70, 62.90, -78.91
CIE <sub>LCh</sub>	25, 100.910, 308.559
Yxy	4.3184, 0.1724, 0.0723
Android (android.graphics.Color)	4281991351 (0xFF3A00B7)
YUV	38.2040, 71.3844, 17.3611
Hunter-Lab	20.7809, 52.0395, -114.1024

# Details

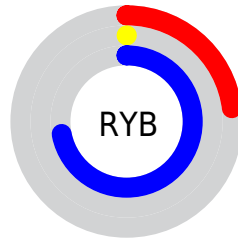
The Hex color **3A00B7** is a dark color, and the websafe version is hex **3300CC**. A complement of this color would be **7DB700**, and the grayscale version is **262626**.

A 20% lighter version of the original color is **7C40F0**, and **000080** is the 20% darker color. If you saturate the color by 10%, you get **3A00B7**, and if you desaturate by 10%, it is **4612B7**.

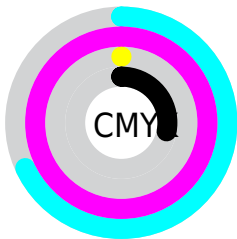
# Distribution



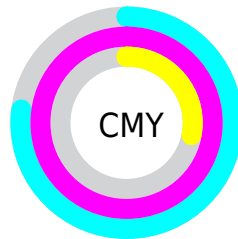
- Red (23%)
- Green (0%)
- Blue (72%)



- Red (23%)
- Yellow (0%)
- Blue (72%)



- Cyan (68%)
- Magenta (100%)
- Yellow (0%)
- Black (28%)



- Cyan (77%)
- Magenta (100%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3A00B7 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 3A00B7 by changing the saturation by 10% instead.



 3A00B7

 3A00B7

FFFFFF

 00009B

 7C40F0

 000080

 9B5BFF

 000066

 B976FF

 000A4D

 D891FF

 000535

 F6ACFF

 00021F

 FFC8FF

 000002

 FFE5FF

 000000

 3A00B7

 4612B7

 5325B7

 6037B7

 6C49B7

 795CB7

 856EB7

 9280B7

 9E92B7

 ABA5B7

# Harmonies

## Analogous

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



0044DA



3A00B7



9C0074

# Triad

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



3A00B7



721A00



005150

# Complementary

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



3A00B7



7DB700

# 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.



004F00



3A00B7



354000

# Square

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



3A00B7



9D0000



004B00



00549C

# Rectangle

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



3A00B7



AF0043



004B00



005135



# Sweetspot

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



3A00B7



BDA6ED



007DB7



5A4D78



F7F7F7



787878



# Same Dimension

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



3A00B7



4B00ED



9500B7



56535C



31009C



09001C



# Inverse Universe

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



B7007D



ED00A2



22B700



5C5359



9C006A

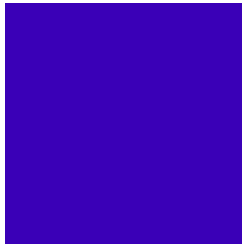


1C0013



# Previews

## White Background



This preview shows how the Hex color 3A00B7 looks on a white background.

## Color Contrast Check

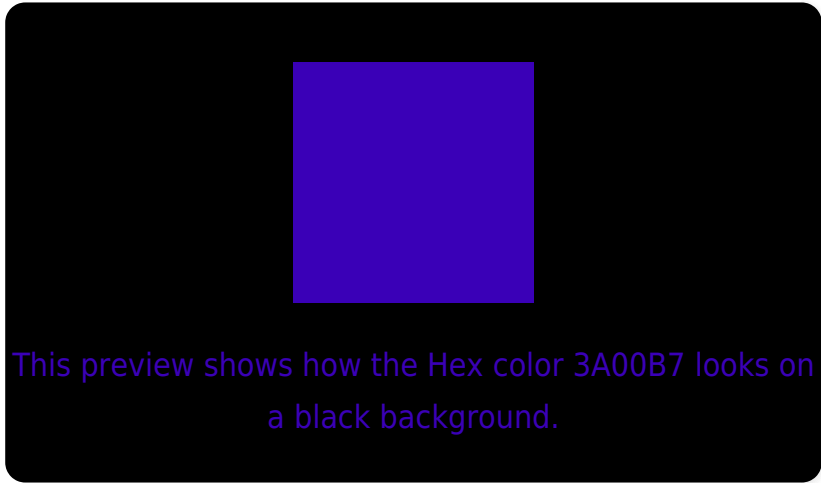
Large Text (above 18pt) WCAG AA ✓ Pass

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

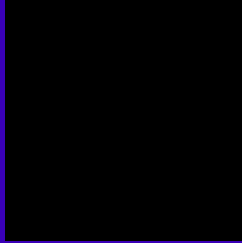
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 3A00B7 Background



This preview shows how black text looks on a background with the Hex color 3A00B7.



This preview shows how white text looks on a background with the Hex color 3A00B7.

# 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**  
3A00B7

**Protanopia**  
003B7C

**Deuteranopia**  
003F69



**Tritanopia**  
004448

# Trichromacy



**Original Color**  
3A00B7

**Protanomaly**  
152691

**Deuteranomaly**  
152885

**Tritanomaly**  
152B70

# Monochromacy



**Original Color**  
3A00B7

**Achromatopsia**  
262626

**Achromatomaly**  
2D185B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3A00B7 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 #3A00B7 looks like.

```
.text, #text, p{  
    color:#3A00B7  
}
```

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 #3A00B7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3A00B7
}
```

## Border

The CSS property to change the border of an element to Hex 3A00B7 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".

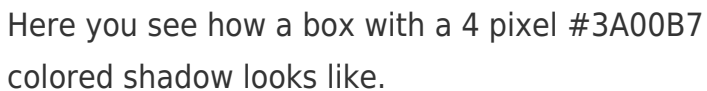
```
.border, #border, table{ border:4px solid
#3A00B7 }
```

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

```
.border{ border-color:#3A00B7 }
```

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

Here you see how a box with a 4 pixel #3A00B7 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3A00B7; -webkit-box-shadow:4px 4px  
4px 4px #3A00B7; box-shadow:4px 4px 4px  
4px #3A00B7 }
```

# Background

The CSS property to change the background color of an element to Hex 3A00B7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3A00B7 }
```

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

```
.background{ background-color:#3A00B7 }
```

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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