

# Converting Colors

Hex(0300B3)

Have a look what the booklet for  
Hex(0300B3) contains.

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# Color

**Hex(0300B3)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0300B3
RGB	3, 0, 179
RGB Percent	1%, 0%, 70%
CMY	0.9882, 1.0000, 0.2980
CMYK	0.98, 1.00, 0.00, 0.30
HSL	241°, 100%, 35%
HSV	241°, 100%, 70%
XYZ	8.1742, 3.2740, 42.8489
YIQ	21.3030, -55.6710, 56.3050

# Conversions

## Conversions Part 2

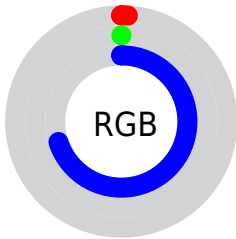
<b>Format</b>	<b>Color</b>
<b>RYB</b>	3, 0, 179
Decimal	196787
CIELab	21.11, 60.75, -82.58
CIELCh	21, 102.517, 306.339
Yxy	3.2740, 0.1505, 0.0603
Android (android.graphics.Color)	4278386867 (0xFF0300B3)
YUV	21.3030, 77.7446, -16.0517
Hunter-Lab	18.0943, 48.9738, -127.7382

# Details

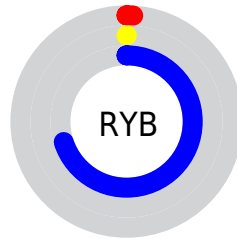
The Hex color **0300B3** is a dark color, and the websafe version is hex **3300CC**. A complement of this color would be **B0B300**, and the grayscale version is **151515**.

A 20% lighter version of the original color is **643BEC**, and **00007D** is the 20% darker color. If you saturate the color by 10%, you get **0300B3**, and if you desaturate by 10%, it is **1512B3**.

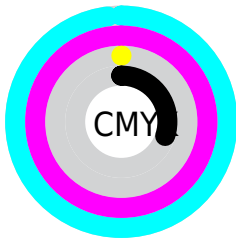
# Distribution



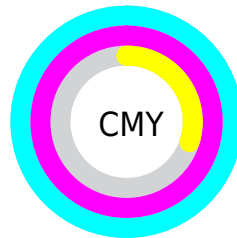
- Red (1%)
- Green (0%)
- Blue (70%)



- Red (1%)
- Yellow (0%)
- Blue (70%)



- Cyan (98%)
- Magenta (100%)
- Yellow (0%)
- Black (30%)



- Cyan (99%)
- Magenta (100%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0300B3 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 0300B3 by changing the saturation by 10% instead.



 0300B3

 0300B3

 FFFBFF

 000097

 643BEC

 00007D

 8455FF

 000062

 A36FFF

 000949

 C28AFF

 000432

 E1A5FF

 00011C

 FFC1FF

 000000

 FFDEFF

 0300B3

■ 1512B3

■ 2624B3

■ 3836B3

■ 4948B3

■ 5B5AB3

■ 6D6BB3

■ 7E7DB3

■ 908FB3

■ A1A1B3

# Harmonies

## Analogous

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



003FD3



0300B3



8F0072

# Triad

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



0300B3



6C0500



004742

# Complementary

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



0300B3



B0B300

# 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.



004600



0300B3



313600

# Square

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



0300B3



950000



004200



004B8F

# Rectangle

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



0300B3



A40040



004200



004727



# Sweetspot

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



0300B3



A4A2E8



00B0B3



4C4B75



F5F5F5



757575



# Same Dimension

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



0300B3



0400E8



5C00B3



505059



030099



00001A



# Inverse Universe

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



B300B0



E800E4



57B300



595059



990096

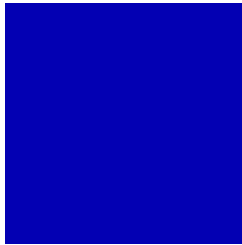


1A0019



# Previews

## White Background



This preview shows how the Hex color 0300B3 looks on a white background.

## Color Contrast Check

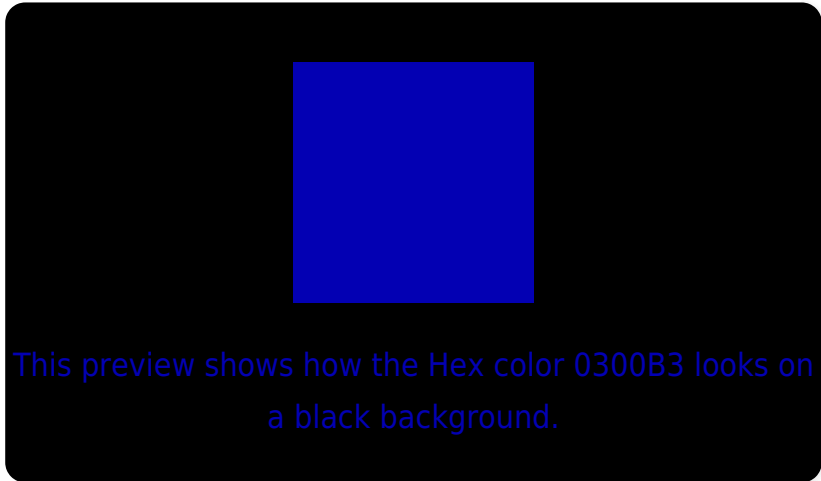
Large Text (above 18pt) WCAG AA ✓ Pass

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

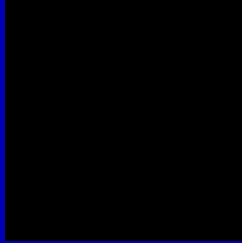
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0300B3 Background



This preview shows how black text looks on a background with the Hex color 0300B3.



This preview shows how white text looks on a background with the Hex color 0300B3.

# 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**  
0300B3

**Protanopia**  
00346E

**Deuteranopia**  
00385D



**Tritanopia**  
003C3F

# Trichromacy



**Original Color**  
0300B3

**Protanomaly**  
012187

**Deuteranomaly**  
01247C

**Tritanomaly**  
012669

# Monochromacy



**Original Color**  
0300B3

**Achromatopsia**  
151515

**Achromatomaly**  
0E0D4E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0300B3 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 #0300B3 looks like.

```
.text, #text, p{  
    color:#0300B3  
}
```

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 #0300B3 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0300B3
}
```

## Border

The CSS property to change the border of an element to Hex 0300B3 is called "border". The border property can be set on classes, ids or directly on the HTML element.

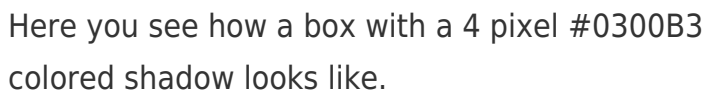
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#0300B3 }
```

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

```
.border{ border-color:#0300B3 }
```

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



Here you see how a box with a 4 pixel #0300B3 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0300B3; -webkit-box-shadow:4px 4px  
4px 4px #0300B3; box-shadow:4px 4px 4px  
4px #0300B3 }
```

# Background

The CSS property to change the background color of an element to Hex 0300B3 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0300B3 }
```

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

```
.background{ background-color:#0300B3 }
```

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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