

# Converting Colors

Hex(3003AC)

Have a look what the booklet for  
Hex(3003AC) contains.

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# Color

**Hex(3003AC)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3003AC
RGB	48, 3, 172
RGB Percent	19%, 1%, 67%
CMY	0.8118, 0.9882, 0.3255
CMYK	0.72, 0.98, 0.00, 0.33
HSL	256°, 97%, 34%
HSV	256°, 98%, 67%
XYZ	8.6979, 3.6721, 39.2801
YIQ	35.7210, -27.4290, 62.0990

# Conversions

## Conversions Part 2

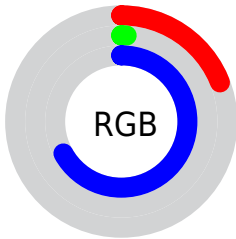
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	48, 3, 172
Decimal	3146668
CIE <sub>Lab</sub>	22.56, 59.13, -75.90
CIE <sub>LCh</sub>	23, 96.211, 307.919
Yxy	3.6721, 0.1684, 0.0711
Android (android.graphics.Color)	4281336748 (0xFF3003AC)
YUV	35.7210, 67.1855, 10.7687
Hunter-Lab	19.1626, 47.4862, -108.1205

# Details

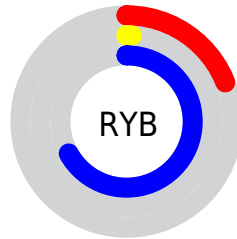
The Hex color **3003AC** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **7FAC03**, and the grayscale version is **232323**.

A 20% lighter version of the original color is **733FE5**, and **000076** is the 20% darker color. If you saturate the color by 10%, you get **2E00AC**, and if you desaturate by 10%, it is **3D14AC**.

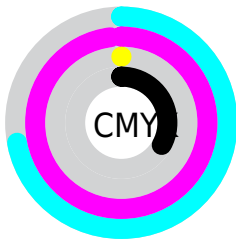
# Distribution



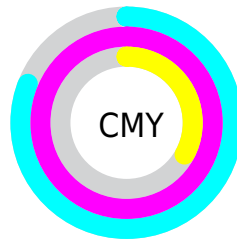
- Red (19%)
- Green (1%)
- Blue (67%)



- Red (19%)
- Yellow (1%)
- Blue (67%)



- Cyan (72%)
- Magenta (98%)
- Yellow (0%)
- Black (33%)



- Cyan (81%)
- Magenta (99%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3003AC 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 3003AC by changing the saturation by 10% instead.



 3003AC

 3003AC

FFFFFF

 000091

 733FE5

 000076

 9259FF

 00005C

 B073FF

 000743

 CE8EFF

 00032C

 ECAAFF

 000117

 FFC6FF

 000000

 FFE2FF

 3003AC

 3003AC

■ 2E00AC

■ 3D14AC

■ 4925AC

■ 5637AC

■ 6248AC

■ 6F59AC

■ 7C6AAC

■ 887BAC

■ 958DAC

■ A29EAC

# Harmonies

## Analogous

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



003FCC



3003AC



90006E

# Triad

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



3003AC



6B1600



004B48

# Complementary

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



3003AC



7FAC03

# 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.



004900



3003AC



323A00

# Square

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



3003AC



930000



004500



004D90

# Rectangle

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



3003AC



A3003F



004500



004B2F



# Sweetspot

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



3003AC



B19FE0



0382AC



534970



F0F0F0



707070



# Same Dimension

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



3003AC



3C00E0



8203AC



504E57



280096



060017



# Inverse Universe

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



AC037F



E000A5



2DAC03



574E54



96006E

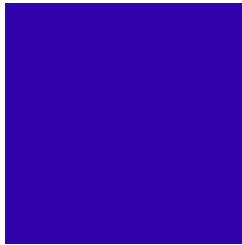


170011



# Previews

## White Background



This preview shows how the Hex color 3003AC looks on a white background.

## Color Contrast Check

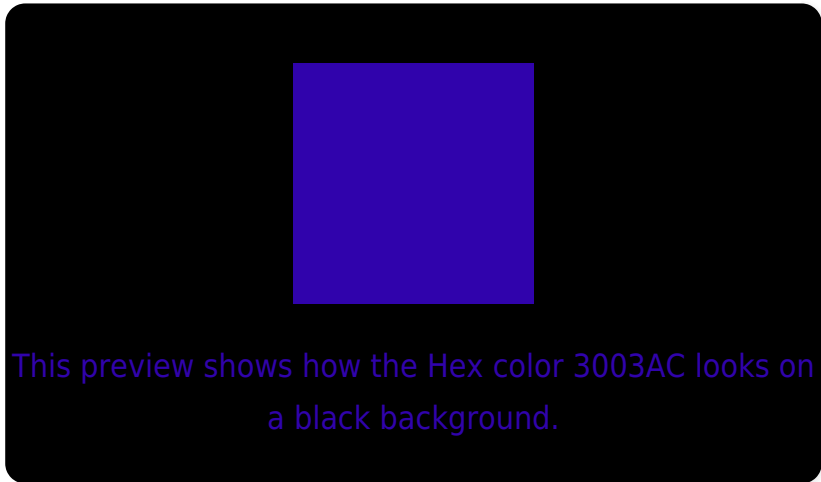
Large Text (above 18pt) WCAG AA ✓ Pass

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

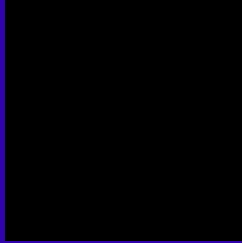
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 3003AC Background



This preview shows how black text looks on a background with the Hex color 3003AC.



This preview shows how white text looks on a background with the Hex color 3003AC.

# 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**  
3003AC

**Protanopia**  
003672

**Deuteranopia**  
003A61



**Tritanopia**  
003E42

# Trichromacy



**Original Color**  
3003AC

**Protanomaly**  
112387

**Deuteranomaly**  
11267C

**Tritanomaly**  
112969

# Monochromacy



**Original Color**  
3003AC

**Achromatopsia**  
242424

**Achromatomaly**  
281855

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3003AC 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 #3003AC looks like.

```
.text, #text, p{  
    color:#3003AC  
}
```

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 #3003AC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3003AC
}
```

## Border

The CSS property to change the border of an element to Hex 3003AC is called "border". The border property can be set on classes, ids or directly on the HTML element.

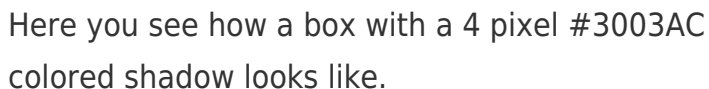
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#3003AC }
```

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

```
.border{ border-color:#3003AC }
```

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



Here you see how a box with a 4 pixel #3003AC colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3003AC; -webkit-box-shadow:4px 4px  
4px 4px #3003AC; box-shadow:4px 4px 4px  
4px #3003AC }
```

# Background

The CSS property to change the background color of an element to Hex 3003AC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3003AC }
```

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

```
.background{ background-color:#3003AC }
```

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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