

# Converting Colors

Hex(0700AC)

Have a look what the booklet for  
Hex(0700AC) contains.

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# Color

**Hex(0700AC)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0700AC
RGB	7, 0, 172
RGB Percent	3%, 0%, 67%
CMY	0.9725, 1.0000, 0.3255
CMYK	0.96, 1.00, 0.00, 0.33
HSL	242°, 100%, 34%
HSV	242°, 100%, 67%
XYZ	7.5340, 3.0237, 39.2163
YIQ	21.7010, -51.0400, 54.9760

# Conversions

## Conversions Part 2

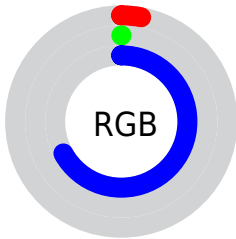
<b>Format</b>	<b>Color</b>
<b>RYB</b>	7, 0, 172
Decimal	458924
CIELab	20.14, 59.01, -79.99
CIELCh	20, 99.403, 306.418
Yxy	3.0237, 0.1514, 0.0607
Android (android.graphics.Color)	4278649004 (0xFF0700AC)
YUV	21.7010, 74.0974, -12.8928
Hunter-Lab	17.3889, 46.9076, -121.5416

# Details

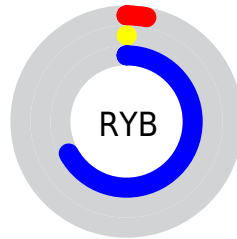
The Hex color **0700AC** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **A5AC00**, and the grayscale version is **151515**.

A 20% lighter version of the original color is **623AE5**, and **000076** is the 20% darker color. If you saturate the color by 10%, you get **0700AC**, and if you desaturate by 10%, it is **1711AC**.

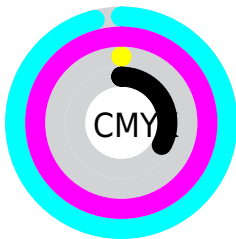
# Distribution



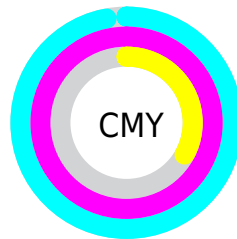
- Red (3%)
- Green (0%)
- Blue (67%)



- Red (3%)
- Yellow (0%)
- Blue (67%)



- Cyan (96%)
- Magenta (100%)
- Yellow (0%)
- Black (33%)



- Cyan (97%)
- Magenta (100%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0700AC 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 0700AC by changing the saturation by 10% instead.



 0700AC

 0700AC

 FFF9FF

 000091

 623AE5

 000076

 8254FF

 00015C

 A16EFF

 000743

 C089FF

 00032C

 DEA4FF

 000117

 FDC0FF

 000000

 FFDCFF

 0700AC

■ 1711AC

■ 2822AC

■ 3834AC

■ 4945AC

■ 5956AC

■ 6A67AC

■ 7B78AC

■ 8B8AAC

■ 9C9BAC

# Harmonies

## Analogous

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



003DCB



0700AC



89006D

# Triad

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



0700AC



680500



004540

# Complementary

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



0700AC



A5AC00

# 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.



004300



0700AC



2F3400

# Square

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



0700AC



8F0000



003F00



004889

# Rectangle

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



0700AC



9E003D



003F00



004426



# Sweetspot

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



0700AC



A09DE0



00A6AC



494870



F0F0F0



707070



# Same Dimension

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



0700AC



0900E0



5C00AC



4E4E57



060096



010017



# Inverse Universe

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



AC00A5



E000D7



50AC00



574E56



960090

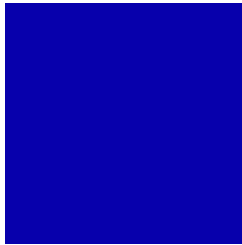


170016



# Previews

## White Background



This preview shows how the Hex color 0700AC looks on a white background.

## Color Contrast Check

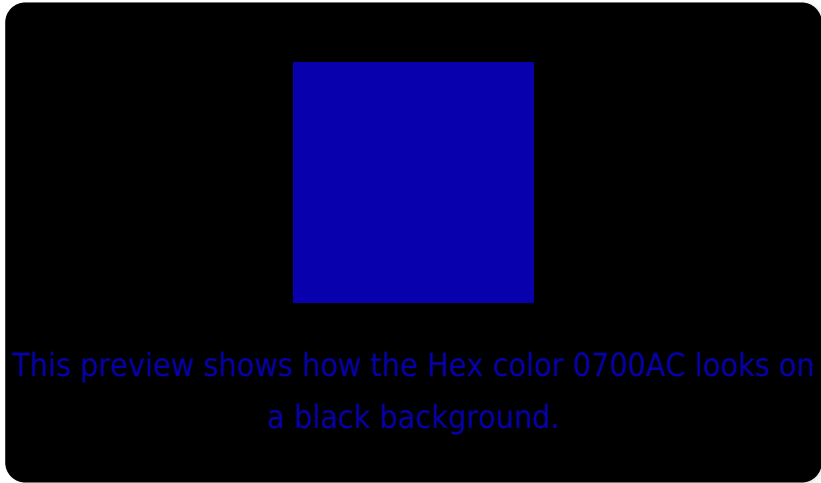
Large Text (above 18pt) WCAG AA ✓ Pass

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

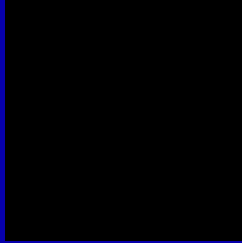
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0700AC Background



This preview shows how black text looks on a background with the Hex color 0700AC.



This preview shows how white text looks on a background with the Hex color 0700AC.

# 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**  
0700AC

**Protanopia**  
003269

**Deuteranopia**  
003659



**Tritanopia**  
003A3C

# Trichromacy



**Original Color**  
0700AC

**Protanomaly**  
032081

**Deuteranomaly**  
032277

**Tritanomaly**  
032565

# Monochromacy



**Original Color**  
0700AC

**Achromatopsia**  
161616

**Achromatomaly**  
110E4D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0700AC 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 #0700AC looks like.

```
.text, #text, p{  
    color:#0700AC  
}
```

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 #0700AC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0700AC
}
```

## Border

The CSS property to change the border of an element to Hex 0700AC is called "border". The border property can be set on classes, ids or directly on the HTML element.

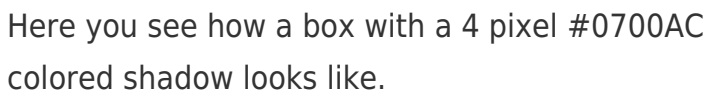
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#0700AC }
```

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

```
.border{ border-color:#0700AC }
```

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



Here you see how a box with a 4 pixel #0700AC colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0700AC; -webkit-box-shadow:4px 4px  
4px 4px #0700AC; box-shadow:4px 4px 4px  
4px #0700AC }
```

# Background

The CSS property to change the background color of an element to Hex 0700AC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0700AC }
```

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

```
.background{ background-color:#0700AC }
```

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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