

# Converting Colors

Hex(6700A1)

Have a look what the booklet for  
Hex(6700A1) contains.

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**Color**

**Hex(6700A1)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6700A1
RGB	103, 0, 161
RGB Percent	40%, 0%, 63%
CMY	0.5961, 1.0000, 0.3686
CMYK	0.36, 1.00, 0.00, 0.37
HSL	278°, 100%, 32%
HSV	278°, 100%, 63%
XYZ	12.0265, 5.4568, 34.1376
YIQ	49.1510, 9.7070, 71.9070

# Conversions

## Conversions Part 2

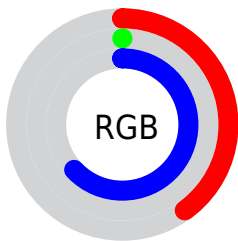
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	103, 0, 161
Decimal	6750369
CIE <sub>Lab</sub>	28.00, 61.37, -60.01
CIE <sub>LCh</sub>	28, 85.834, 315.642
Yxy	5.4568, 0.2330, 0.1057
Android (android.graphics.Color)	4284940449 (0xFF6700A1)
YUV	49.1510, 55.1416, 47.2256
Hunter-Lab	23.3597, 51.0195, -70.2938

# Details

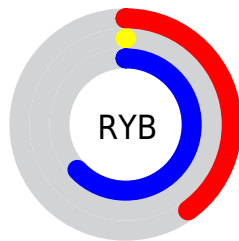
The Hex color **6700A1** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **3AA100**, and the grayscale version is **313131**.

A 20% lighter version of the original color is **A046D9**, and **2D006C** is the 20% darker color. If you saturate the color by 10%, you get **6700A1**, and if you desaturate by 10%, it is **6D10A1**.

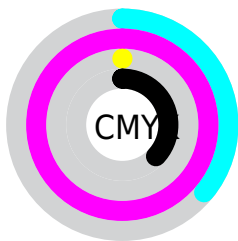
# Distribution



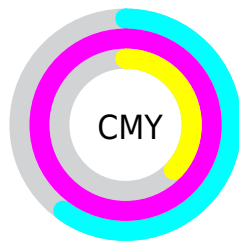
- Red (40%)
- Green (0%)
- Blue (63%)



- Red (40%)
- Yellow (0%)
- Blue (63%)



- Cyan (36%)
- Magenta (100%)
- Yellow (0%)
- Black (37%)



- Cyan (60%)
- Magenta (100%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 6700A1 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 6700A1 by changing the saturation by 10% instead.



 6700A1

 6700A1

FFFFFF

 4B0086

 A046D9

 2D006C

 BD61F6

 0D0053

 DA7CFF

 00003B

 F898FF

 000224

 FFB4FF

 00000C

 FFD0FF

 000000

 FFEDFF

 6700A1

 6D10A1

 7320A1

 7830A1

 7E40A1

 8451A1

 8A61A1

 9071A1

 9581A1

 9B91A1

# Harmonies

## Analogous

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



0042C6



6700A1



A10065

# Triad

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



6700A1



6B3300



005965

# Complementary

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



6700A1



3AA100

# 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.



00571E



6700A1



304A00

# Square

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



6700A1



950000



005300



0059A2

# Rectangle

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



6700A1



AB003A



005300



00584E



# Sweetspot

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



6700A1



BB92D1



003BA1



5B4369



E8E8E8



696969



# Same Dimension

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



6700A1



8600D1



A1008C



4F4952



5D0091



0B0012



# Inverse Universe

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



A1003A



D1004B



00A115



52494C



910034



120006



# Previews

## White Background



This preview shows how the Hex color 6700A1 looks on a white background.

## Color Contrast Check

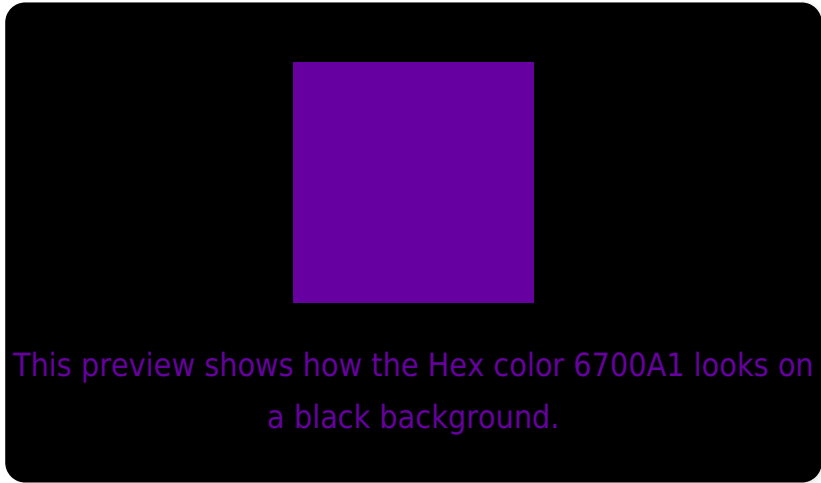
Large Text (above 18pt) WCAG AA ✓ Pass

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

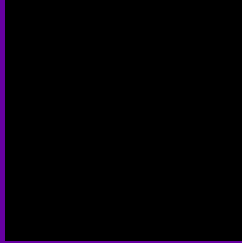
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 6700A1 Background



This preview shows how black text looks on a background with the Hex color 6700A1.



This preview shows how white text looks on a background with the Hex color 6700A1.

# 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**  
6700A1

**Protanopia**  
00438C

**Deuteranopia**  
004779



**Tritanopia**  
553F44

# Trichromacy



**Original Color**  
6700A1

**Protanomaly**  
252B94

**Deuteranomaly**  
252D88

**Tritanomaly**  
5C2866

# Monochromacy



**Original Color**  
6700A1

**Achromatopsia**  
313131

**Achromatomaly**  
451F5A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 6700A1 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 #6700A1 looks like.

```
.text, #text, p{  
    color:#6700A1  
}
```

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 #6700A1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #6700A1
}
```

## Border

The CSS property to change the border of an element to Hex 6700A1 is called "border". The border property can be set on classes, ids or directly on the HTML element.

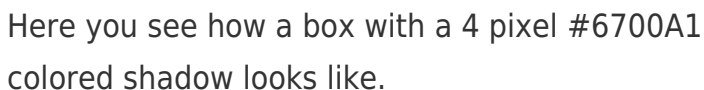
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#6700A1 }
```

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

```
.border{ border-color:#6700A1 }
```

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



Here you see how a box with a 4 pixel #6700A1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #6700A1; -webkit-box-shadow:4px 4px  
4px 4px #6700A1; box-shadow:4px 4px 4px  
4px #6700A1 }
```

# Background

The CSS property to change the background color of an element to Hex 6700A1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#6700A1 }
```

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

```
.background{ background-color:#6700A1 }
```

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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