

# Converting Colors

Hex(4700BB)

Have a look what the booklet for  
Hex(4700BB) contains.

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**Color**

**Hex(4700BB)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4700BB
RGB	71, 0, 187
RGB Percent	28%, 0%, 73%
CMY	0.7216, 1.0000, 0.2667
CMYK	0.62, 1.00, 0.00, 0.27
HSL	263°, 100%, 37%
HSV	263°, 100%, 73%
XYZ	11.5682, 4.9274, 47.3551
YIQ	42.5470, -17.7110, 73.2090

# Conversions

## Conversions Part 2

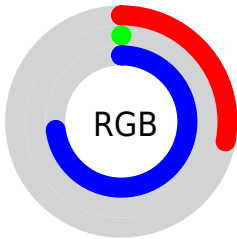
<b>Format</b>	<b>Color</b>
<b>RYB</b>	71, 0, 187
Decimal	4653243
CIELab	26.53, 64.48, -78.21
CIELCh	27, 101.362, 309.505
Yxy	4.9274, 0.1812, 0.0772
Android (android.graphics.Color)	4282843323 (0xFF4700BB)
YUV	42.5470, 71.2153, 24.9533
Hunter-Lab	22.1979, 54.1771, -110.9459

# Details

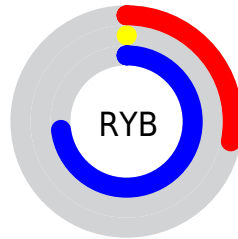
The Hex color **4700BB** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **74BB00**, and the grayscale version is **2A2A2A**.

A 20% lighter version of the original color is **8743F5**, and **000084** is the 20% darker color. If you saturate the color by 10%, you get **4700BB**, and if you desaturate by 10%, it is **5313BB**.

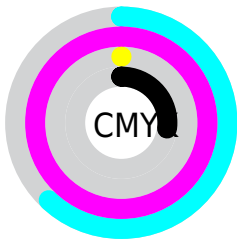
# Distribution



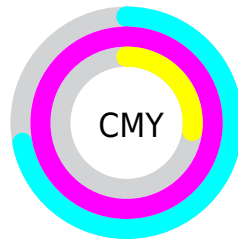
- Red (28%)
- Green (0%)
- Blue (73%)



- Red (28%)
- Yellow (0%)
- Blue (73%)



- Cyan (62%)
- Magenta (100%)
- Yellow (0%)
- Black (27%)



- Cyan (72%)
- Magenta (100%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4700BB 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 4700BB by changing the saturation by 10% instead.



 4700BB

 4700BB

FFFFFF

 1E009F

 8743F5

 000084

 A55EFF

 00006A

 C378FF

 000550

 E294FF

 000538

 FFB0FF

 000222

 FFCCFF

 000008

 FFE9FF

 000000

 4700BB

 5313BB

 5E25BB

 6A38BB

 754BBB

 815EBB

 8D70BB

 9883BB

 A496BB

 AFA8BB

# Harmonies

## Analogous

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



0047E0



4700BB



A30077

# Triad

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



4700BB



762100



005657

# Complementary

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



4700BB



74BB00

# 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.



005400



4700BB



374400

# Square

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



4700BB



A30000



005000



0058A3

# Rectangle

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



4700BB



B60044



005000



00553C



# Sweetspot

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



4700BB



C5AAF2



0076BB



5F4E7A



FAFAFA



7A7A7A



# Same Dimension

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



4700BB



5C00F2



A200BB



58555E



3C009E



0C001F



# Inverse Universe

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



BB0074



F20096



19BB00



5E555B



9E0062

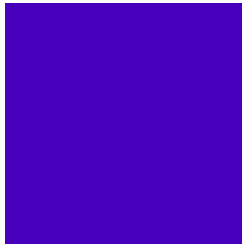


1F0013



# Previews

## White Background



This preview shows how the Hex color 4700BB looks on a white background.

## Color Contrast Check

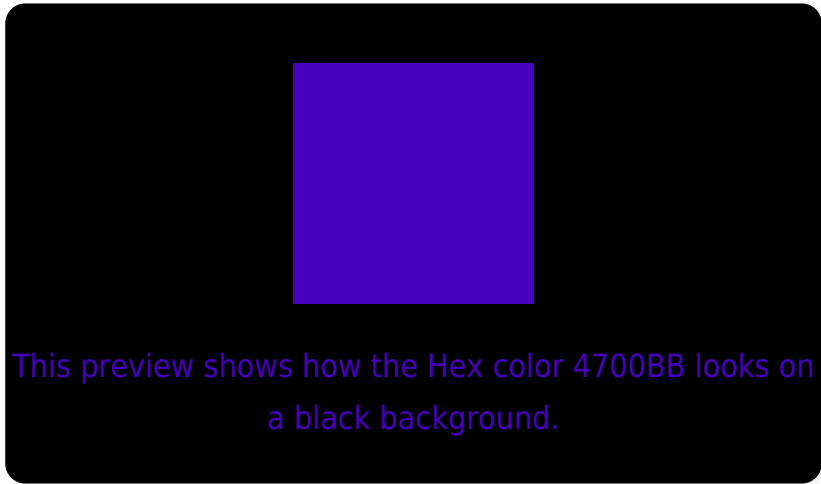
Large Text (above 18pt) WCAG AA ✓ Pass

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

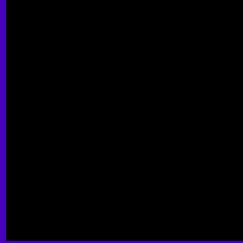
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 4700BB Background



This preview shows how black text looks on a background with the Hex color 4700BB.



This preview shows how white text looks on a background with the Hex color 4700BB.

# 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**  
4700BB

**Protanopia**  
003F84

**Deuteranopia**  
004370



**Tritanopia**  
00484E

# Trichromacy



**Original Color**  
4700BB

**Protanomaly**  
1A2898

**Deuteranomaly**  
1A2B8B

**Tritanomaly**  
1A2E76

# Monochromacy



**Original Color**  
4700BB

**Achromatopsia**  
2B2B2B

**Achromatomaly**  
351B5F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4700BB 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 #4700BB looks like.

```
.text, #text, p{  
    color:#4700BB  
}
```

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 #4700BB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4700BB  
}
```

## Border

The CSS property to change the border of an element to Hex 4700BB 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  
#4700BB }
```

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

```
.border{ border-color:#4700BB }
```

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

Here you see how a box with a 4 pixel #4700BB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4700BB; -webkit-box-shadow:4px 4px  
4px 4px #4700BB; box-shadow:4px 4px 4px  
4px #4700BB }
```

# Background

The CSS property to change the background color of an element to Hex 4700BB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4700BB }
```

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

```
.background{ background-color:#4700BB }
```

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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