

# Converting Colors

Hex(4700D4)

Have a look what the booklet for  
Hex(4700D4) contains.

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**Color**

**Hex(4700D4)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4700D4
RGB	71, 0, 212
RGB Percent	28%, 0%, 83%
CMY	0.7216, 1.0000, 0.1686
CMYK	0.67, 1.00, 0.00, 0.17
HSL	260°, 100%, 42%
HSV	260°, 100%, 83%
XYZ	14.4822, 6.0931, 62.7001
YIQ	45.3970, -25.7360, 80.9840

# Conversions

## Conversions Part 2

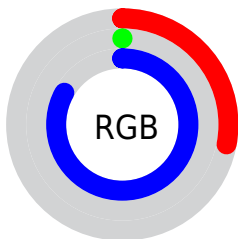
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	71, 0, 212
Decimal	4653268
CIE Lab	29.65, 70.31, -87.69
CIE LCh	30, 112.396, 308.720
Yxy	6.0931, 0.1739, 0.0732
Android (android.graphics.Color)	4282843348 (0xFF4700D4)
YUV	45.3970, 82.1353, 22.4538
Hunter-Lab	24.6841, 61.5289, -133.3236

# Details

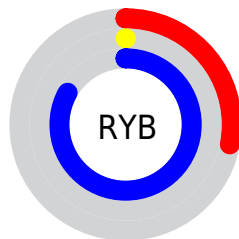
The Hex color **4700D4** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **8DD400**, and the grayscale version is **2D2D2D**.

A 20% lighter version of the original color is **8B46FF**, and **00009C** is the 20% darker color. If you saturate the color by 10%, you get **4700D4**, and if you desaturate by 10%, it is **5515D4**.

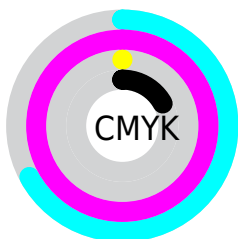
# Distribution



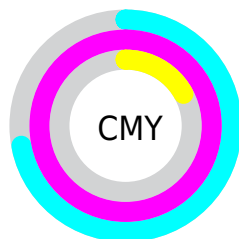
- Red (28%)
- Green (0%)
- Blue (83%)



- Red (28%)
- Yellow (0%)
- Blue (83%)



- Cyan (67%)
- Magenta (100%)
- Yellow (0%)
- Black (17%)



- Cyan (72%)
- Magenta (100%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4700D4 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 4700D4 by changing the saturation by 10% instead.



4700D4

4700D4

FFFFFF

1400B7

8B46FF

00009C

AA61FF

000081

CA7CFF

000066

E998FF

000A4D

FFB4FF

000535

FFD1FF

00021F

FFEEFF

000002

000000

 4700D4

 5515D4

 632AD4

 7140D4

 7F55D4

 8D6AD4

 9C7FD4

 AA94D4

 B8AAD4

 C6BFD4

# Harmonies

## Analogous

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



0050FC



4700D4



B60088

# Triad

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



4700D4



862100



005F5F

# Complementary

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



4700D4



8DD400

# 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.



005D00



4700D4



3F4C00

# Square

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



4700D4



B70000



005900



0062B5

# Rectangle

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



4700D4



CB004E



005900



005E40



# Sweetspot

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



4700D4



CCB3FF



008DD4



615280



000000



808080



# Same Dimension

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



4700D4



5500FF



B100D4



64606B



3900AB



0F002B



# Inverse Universe

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



D4008D



FF00AA



23D400



6B6068



AB0072

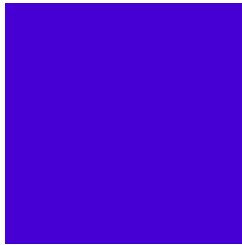


2B001D



# Previews

## White Background



This preview shows how the Hex color 4700D4 looks on a white background.

## Color Contrast Check

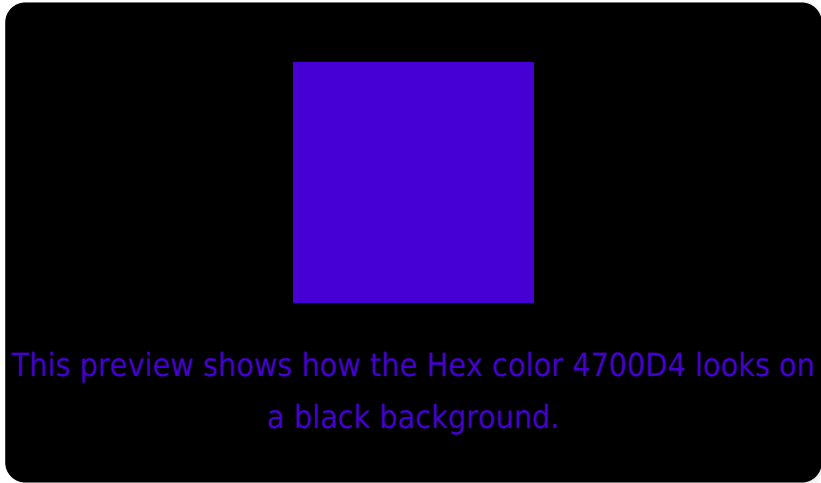
Large Text (above 18pt) WCAG AA ✓ Pass

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

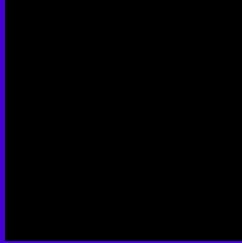
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 4700D4 Background



This preview shows how black text looks on a background with the Hex color 4700D4.



This preview shows how white text looks on a background with the Hex color 4700D4.

# 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



# Trichromacy



**Original Color**  
4700D4

**Protanomaly**  
1A2CA9

**Deuteranomaly**  
1A2F9B

# Monochromacy



**Original Color**  
4700D4

**Achromatopsia**  
2D2D2D

**Achromatomaly**  
361D6A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4700D4 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 #4700D4 looks like.

```
.text, #text, p{  
    color:#4700D4  
}
```

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 #4700D4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4700D4
}
```

## Border

The CSS property to change the border of an element to Hex 4700D4 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".

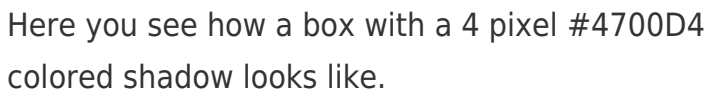
```
.border, #border, table{ border:4px solid
#4700D4 }
```

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

```
.border{ border-color:#4700D4 }
```

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

Here you see how a box with a 4 pixel #4700D4 colored shadow looks like.

A rectangular box with a thick purple border and a purple shadow. The box is white with a purple border and a purple shadow. The shadow is a 4px offset, 4px blur, 4px spread, and #4700D4 color.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4700D4; -webkit-box-shadow:4px 4px  
4px 4px #4700D4; box-shadow:4px 4px 4px  
4px #4700D4 }
```

# Background

The CSS property to change the background color of an element to Hex 4700D4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4700D4 }
```

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

```
.background{ background-color:#4700D4 }
```

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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