

# Converting Colors

Hex(4600B5)

Have a look what the booklet for  
Hex(4600B5) contains.

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# Color

**Hex(4600B5)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4600B5
RGB	70, 0, 181
RGB Percent	27%, 0%, 71%
CMY	0.7255, 1.0000, 0.2902
CMYK	0.61, 1.00, 0.00, 0.29
HSL	263°, 100%, 35%
HSV	263°, 100%, 71%
XYZ	10.8663, 4.6383, 44.0386
YIQ	41.5640, -16.3810, 71.1310

# Conversions

## Conversions Part 2

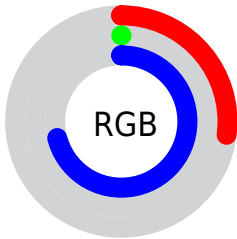
Format	Color
R <sub>Y</sub> B	70, 0, 181
Decimal	4587701
CIE Lab	25.68, 63.02, -76.05
CIE LCh	26, 98.768, 309.650
Yxy	4.6383, 0.1825, 0.0779
Android (android.graphics.Color)	4282777781 (0xFF4600B5)
YUV	41.5640, 68.7419, 24.9384
Hunter-Lab	21.5367, 52.3725, -106.1617

# Details

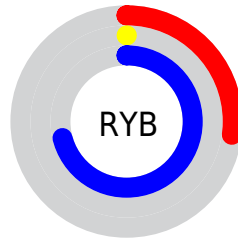
The Hex color **4600B5** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **6FB500**, and the grayscale version is **292929**.

A 20% lighter version of the original color is **8542EE**, and **00007E** is the 20% darker color. If you saturate the color by 10%, you get **4600B5**, and if you desaturate by 10%, it is **5112B5**.

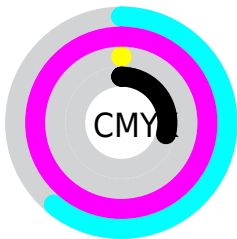
# Distribution



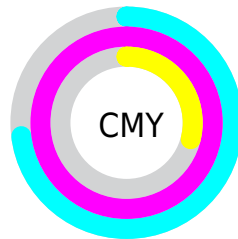
- Red (27%)
- Green (0%)
- Blue (71%)



- Red (27%)
- Yellow (0%)
- Blue (71%)



- Cyan (61%)
- Magenta (100%)
- Yellow (0%)
- Black (29%)



- Cyan (73%)
- Magenta (100%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4600B5 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 4600B5 by changing the saturation by 10% instead.



 4600B5

 4600B5

FFFFFF

 1E0099

 8542EE

 00007E

 A35DFF

 000064

 C177FF

 00084B

 DF93FF

 000434

 FEAEFF

 00021E

 FFCBFF

 000000

 FFE7FF

 4600B5

 5112B5

 5C24B5

 6736B5

 7248B5

 7E5BB5

 896DB5

 947FB5

 9F91B5

 AAA3B5

# Harmonies

## Analogous

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



0045D9



4600B5



9F0073

# Triad

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



4600B5



732000



005455

# Complementary

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



4600B5



6FB500

# 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.



005100



4600B5



354200

# Square

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



4600B5



9E0000



004E00



00569E

# Rectangle

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



4600B5



B00042



004E00



00533A



# Sweetspot

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



4600B5



BFA4EB



0070B5



5B4B75



F5F5F5



757575



# Same Dimension

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



4600B5



5B00EB



A000B5



545059



3B0099



0A001A



# Inverse Universe

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



B5006F



EB0090



15B500



595056



99005E

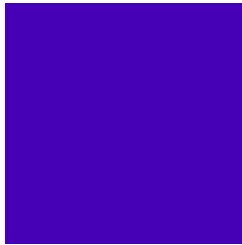


1A0010



# Previews

## White Background



This preview shows how the Hex color 4600B5 looks on a white background.

## Color Contrast Check

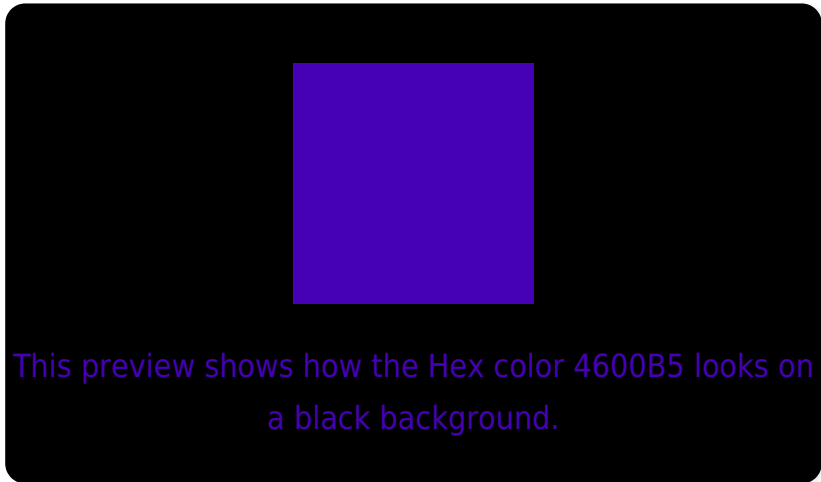
Large Text (above 18pt) WCAG AA ✓ Pass

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

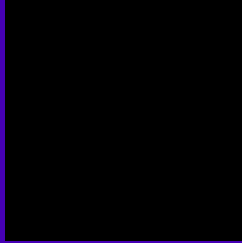
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 4600B5 Background



This preview shows how black text looks on a background with the Hex color 4600B5.

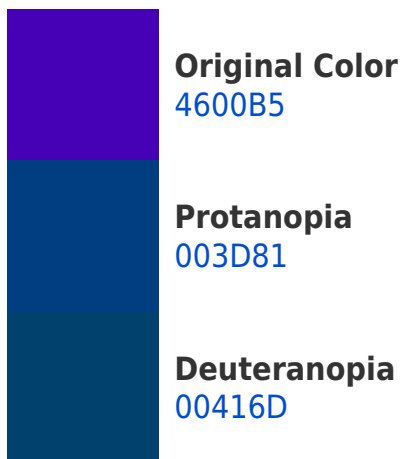



This preview shows how white text looks on a background with the Hex color 4600B5.

# 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





**Tritanopia**  
00464C

# Trichromacy



**Original Color**  
4600B5

**Protanomaly**  
192794

**Deuteranomaly**  
192987

**Tritanomaly**  
192D72

# Monochromacy



**Original Color**  
4600B5

**Achromatopsia**  
2A2A2A

**Achromatomaly**  
341B5D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4600B5 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 #4600B5 looks like.

```
.text, #text, p{  
    color:#4600B5  
}
```

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 #4600B5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4600B5
}
```

## Border

The CSS property to change the border of an element to Hex 4600B5 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".

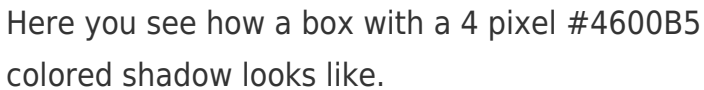
```
.border, #border, table{ border:4px solid
#4600B5 }
```

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

```
.border{ border-color:#4600B5 }
```

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

Here you see how a box with a 4 pixel #4600B5 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 to the right and bottom of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4600B5; -webkit-box-shadow:4px 4px  
4px 4px #4600B5; box-shadow:4px 4px 4px  
4px #4600B5 }
```

# Background

The CSS property to change the background color of an element to Hex 4600B5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4600B5 }
```

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

```
.background{ background-color:#4600B5 }
```

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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