

# Converting Colors

Hex(4A2A9D)

Have a look what the booklet for  
Hex(4A2A9D) contains.

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# Color

**Hex(4A2A9D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4A2A9D
RGB	74, 42, 157
RGB Percent	29%, 16%, 62%
CMY	0.7098, 0.8353, 0.3843
CMYK	0.53, 0.73, 0.00, 0.38
HSL	257°, 58%, 39%
HSV	257°, 73%, 62%
XYZ	9.7378, 5.5461, 32.4556
YIQ	64.6780, -17.8430, 42.5490

# Conversions

## Conversions Part 2

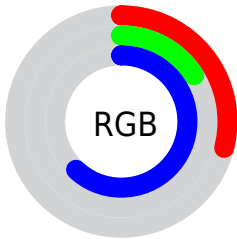
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	74, 42, 157
Decimal	4860573
CIE <sub>Lab</sub>	28.24, 43.28, -57.33
CIE <sub>LCh</sub>	28, 71.834, 307.053
Yxy	5.5461, 0.2040, 0.1162
Android (android.graphics.Color)	4283050653 (0xFF4A2A9D)
YUV	64.6780, 45.5147, 8.1754
Hunter-Lab	23.5502, 32.5956, -65.2252

# Details

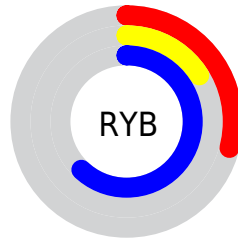
The Hex color **4A2A9D** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **7D9D2A**, and the grayscale version is **404040**.

A 20% lighter version of the original color is **835BD5**, and **000068** is the 20% darker color. If you saturate the color by 10%, you get **3F1A9D**, and if you desaturate by 10%, it is **553A9D**.

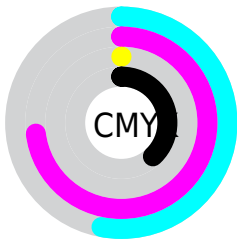
# Distribution



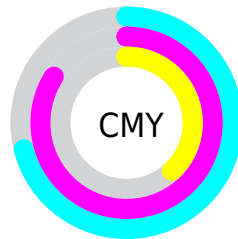
- Red (29%)
- Green (16%)
- Blue (62%)



- Red (29%)
- Yellow (16%)
- Blue (62%)



- Cyan (53%)
- Magenta (73%)
- Yellow (0%)
- Black (38%)



- Cyan (71%)
- Magenta (84%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4A2A9D 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 4A2A9D by changing the saturation by 10% instead.





4A2A9D



4A2A9D

FFFFFF



2C1282



835BD5



000068



9F74F1



000050



BC8EFF



000537



D9A9FF



000221



F6C5FF



000006



FFE1FF



000000

FFFEFF



4A2A9D



4A2A9D

■ 3F1A9D

■ 553A9D

■ 330B9D

■ 61499D

■ 2C009D

■ 6C599D

■ 77699D

■ 83799D

■ 8E889D

■ 99989D

■ A5A89D

■ B0B79D

# Harmonies

## Analogous

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



0047B4



4A2A9D



8A006F

# Triad

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



4A2A9D



732E00



00574F

# Complementary

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



4A2A9D



7D9D2A

# 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.



005511



4A2A9D



474500

# Square

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



4A2A9D



920000



005000



005785

# Rectangle

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



4A2A9D



9A004B



005000



00563B



# Sweetspot

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



4A2A9D



AC9FCC



2A7E9D



534B66



E6E6E6



666666



# Same Dimension

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



4A2A9D



4A18CC



822A9D



49474F



28008F



04000F



# Inverse Universe

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



9D2A7D



CC189A



459D2A



4F474D



8F0067

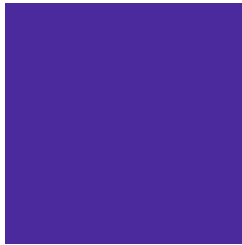


0F000B



# Previews

## White Background



This preview shows how the Hex color 4A2A9D looks on a white background.

## Color Contrast Check

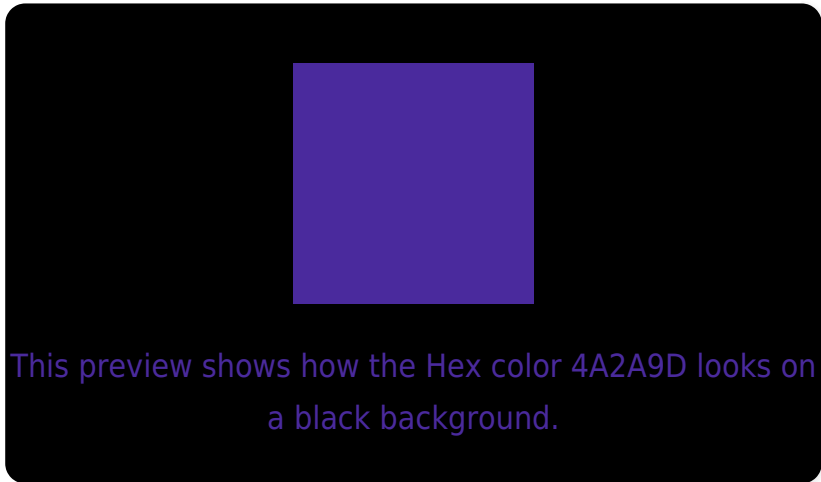
Large Text (above 18pt) WCAG AA ✓ Pass

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

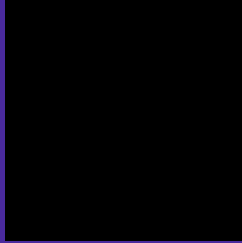
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 4A2A9D Background



This preview shows how black text looks on a background with the Hex color 4A2A9D.

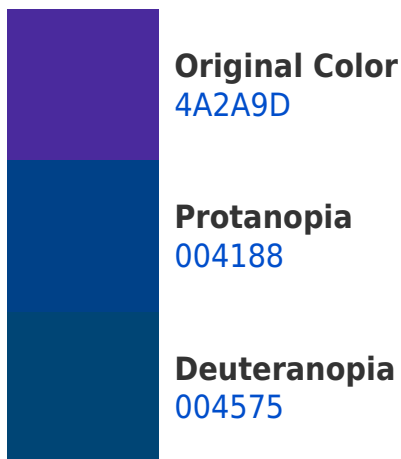


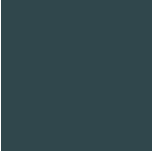
This preview shows how white text looks on a background with the Hex color 4A2A9D.

# 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**  
30474C

# Trichromacy



**Original Color**  
4A2A9D

**Protanomaly**  
1B3990

**Deuteranomaly**  
1B3B84

**Tritanomaly**  
393C69

# Monochromacy



**Original Color**  
4A2A9D

**Achromatopsia**  
414141

**Achromatomaly**  
443962

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4A2A9D 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 #4A2A9D looks like.

```
.text, #text, p{  
    color:#4A2A9D  
}
```

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 #4A2A9D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4A2A9D
}
```

## Border

The CSS property to change the border of an element to Hex 4A2A9D 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
#4A2A9D }
```

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

```
.border{ border-color:#4A2A9D }
```

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

Here you see how a box with a 4 pixel #4A2A9D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4A2A9D; -webkit-box-shadow:4px 4px  
4px 4px #4A2A9D; box-shadow:4px 4px 4px  
4px #4A2A9D }
```

# Background

The CSS property to change the background color of an element to Hex 4A2A9D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4A2A9D }
```

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

```
.background{ background-color:#4A2A9D }
```

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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