

# Converting Colors

Hex(422AC8)

Have a look what the booklet for  
Hex(422AC8) contains.

<b>Hex(422AC8)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

Hex(422AC8)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	422AC8
RGB	66, 42, 200
RGB Percent	26%, 16%, 78%
CMY	0.7412, 0.8353, 0.2157
CMYK	0.67, 0.79, 0.00, 0.22
HSL	249°, 65%, 47%
HSV	249°, 79%, 78%
XYZ	13.5001, 6.9843, 55.2802
YIQ	67.1880, -36.4140, 54.2260

# Conversions

## Conversions Part 2

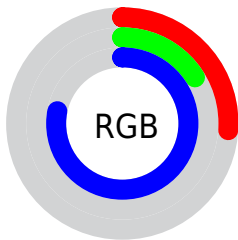
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	66, 42, 200
Decimal	4336328
CIE Lab	31.77, 54.97, -77.19
CIE LCh	32, 94.759, 305.456
Yxy	6.9843, 0.1782, 0.0922
Android (android.graphics.Color)	4282526408 (0xFF422AC8)
YUV	67.1880, 65.4763, -1.0419
Hunter-Lab	26.4278, 44.9339, -105.5197

# Details

The Hex color **422AC8** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **B0C82A**, and the grayscale version is **434343**.

A 20% lighter version of the original color is **835CFF**, and **000090** is the 20% darker color. If you saturate the color by 10%, you get **3116C8**, and if you desaturate by 10%, it is **533EC8**.

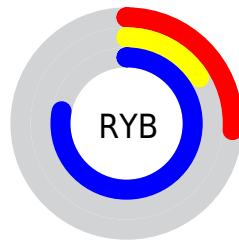
# Distribution



Red (26%)

Green (16%)

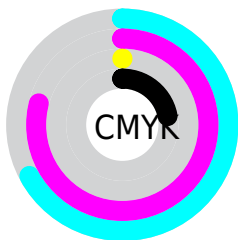
Blue (78%)



Red (26%)

Yellow (16%)

Blue (78%)

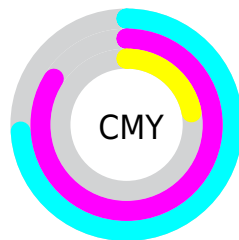


Cyan (67%)

Magenta (79%)

Yellow (0%)

Black (22%)



Cyan (74%)

Magenta (84%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 422AC8 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 422AC8 by changing the saturation by 10% instead.



■ 422AC8

■ 422AC8

FFFFFF

■ 120FAC

■ 835CFF

■ 000090

■ A276FF

■ 000076

■ C090FF

■ 00005C

■ DFACFF

■ 000743

■ FEC7FF

■ 00032C

■ FFE4FF

■ 000117

■ 000000

■ 422AC8

■ 422AC8

■ 3116C8

■ 533EC8

■ 2002C8

■ 6452C8

■ 1E00C8

■ 7566C8

■ 867AC8

■ 978EC8

■ A8A2C8

■ B9B6C8

■ CACAC8

■ DBDEC8

# Harmonies

## Analogous

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



0054E5



422AC8



A7008A

# Triad

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



422AC8



8B2900



006357

# Complementary

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



422AC8



B0C82A

# 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.



006100



422AC8



504D00

# Square

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



422AC8



B30000



005B00



0065A2

# Rectangle

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



422AC8



BD005A



005B00



00623D



# Sweetspot

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



422AC8



CBC2FF



2AB0C8



605B80



000000



808080



# Same Dimension

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



422AC8



320DFF



912AC8



5B5A63



1900A3



050024



# Inverse Universe

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



C82AB0



FF0DDA



61C82A



635A62



A3008A

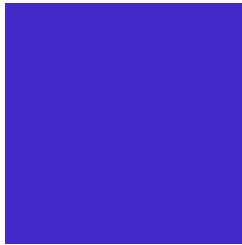


24001E



# Previews

## White Background



This preview shows how the Hex color 422AC8 looks on a white background.

## Color Contrast Check

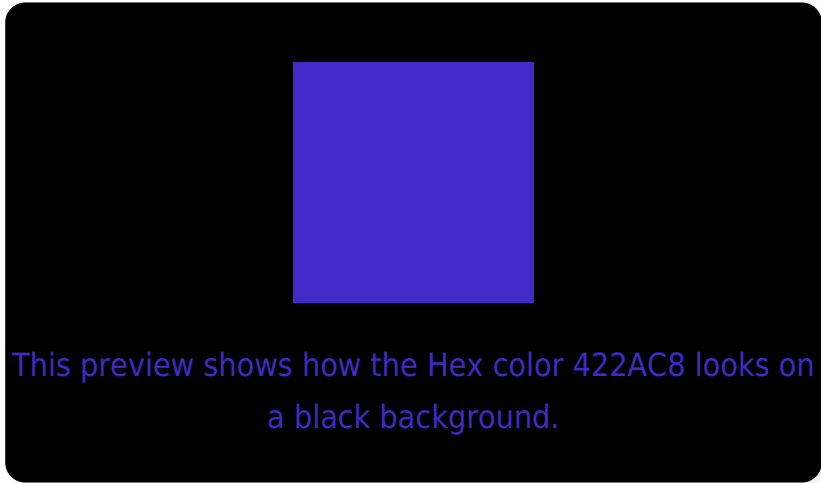
Large Text (above 18pt) WCAG AA ✓ Pass

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

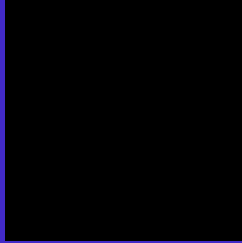
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 422AC8 Background



This preview shows how black text looks on a background with the Hex color 422AC8.

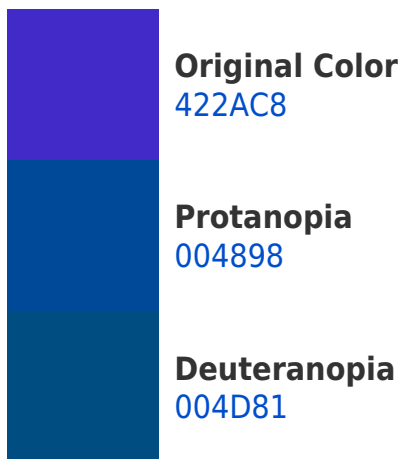


This preview shows how white text looks on a background with the Hex color 422AC8.

# 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**  
422AC8

**Protanomaly**  
183DA9

**Deuteranomaly**  
18409B

**Tritanomaly**  
184481

# Monochromacy



**Original Color**  
422AC8

**Achromatopsia**  
434343

**Achromatomaly**  
433A73

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 422AC8 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 #422AC8 looks like.

```
.text, #text, p{  
    color:#422AC8  
}
```

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 #422AC8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #422AC8
}
```

## Border

The CSS property to change the border of an element to Hex 422AC8 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
#422AC8 }
```

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

```
.border{ border-color:#422AC8 }
```

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

Here you see how a box with a 4 pixel #422AC8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #422AC8; -webkit-box-shadow:4px 4px  
4px 4px #422AC8; box-shadow:4px 4px 4px  
4px #422AC8 }
```

# Background

The CSS property to change the background color of an element to Hex 422AC8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#422AC8 }
```

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

```
.background{ background-color:#422AC8 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor