

# Converting Colors

Hex(B428C4)

Have a look what the booklet for  
Hex(B428C4) contains.

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**Color**

**Hex(B428C4)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B428C4
RGB	180, 40, 196
RGB Percent	71%, 16%, 77%
CMY	0.2941, 0.8431, 0.2314
CMYK	0.08, 0.80, 0.00, 0.23
HSL	294°, 66%, 46%
HSV	294°, 80%, 77%
XYZ	29.5450, 15.2064, 53.6025
YIQ	99.6440, 33.3640, 78.1960

# Conversions

## Conversions Part 2

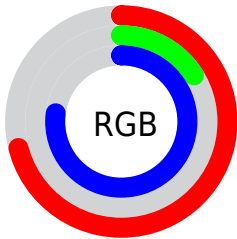
<b>Format</b>	<b>Color</b>
<b>RYB</b>	180, 40, 196
Decimal	11806916
CIELab	45.92, 71.82, -51.17
CIELCh	46, 88.188, 324.533
Yxy	15.2064, 0.3004, 0.1546
Android (android.graphics.Color)	4289996996 (0xFFB428C4)
YUV	99.6440, 47.5035, 70.4722
Hunter-Lab	38.9954, 66.9992, -54.2024

# Details

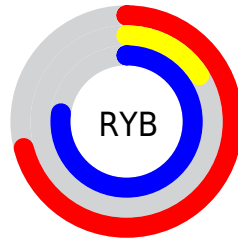
The Hex color **B428C4** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted purple. A complement of this color would be **38C428**, and the grayscale version is **636363**.

A 20% lighter version of the original color is **EF67FD**, and **7B008D** is the 20% darker color. If you saturate the color by 10%, you get **B214C4**, and if you desaturate by 10%, it is **B63CC4**.

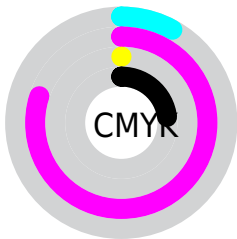
# Distribution



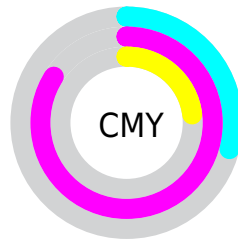
- Red (71%)
- Green (16%)
- Blue (77%)



- Red (71%)
- Yellow (16%)
- Blue (77%)



- Cyan (8%)
- Magenta (80%)
- Yellow (0%)
- Black (23%)




- Cyan (29%)
- Magenta (84%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B428C4 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 B428C4 by changing the saturation by 10% instead.



 B428C4

 B428C4

FFFFFF

 9700A8

 EF67FD

 7B008D

 FF84FF

 5E0073

 FFA1FF

 43005A

 FFBEFF

 280042

 FFDBFF

 00002A

 FFF9FF

 000114

 000000

 B428C4

 B428C4

 B214C4

 B63CC4

 B001C4

 B84FC4

 B000C4

 BA63C4

 BC76C4

 BE8AC4

 C09EC4

 C2B1C4

 C4C5C4

 C6D8C4

# Harmonies

## Analogous

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



1C60F6



B428C4



E2007E

# Triad

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



B428C4



906600



008AA9

# Complementary

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



B428C4



38C428

# 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.



00895D



B428C4



497A00

# Square

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



B428C4



C53E00



008400



0087E6

# Rectangle

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



B428C4



E7004D



008400



008A90



# Sweetspot

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



B428C4



F9C2FF



283AC4



7C5B80



000000



808080



# Same Dimension

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



B428C4



E60AFF



C42888



605761



9000A1



1E0021



# Inverse Universe

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



C42838



FF0A23



28C464



615758



A10010

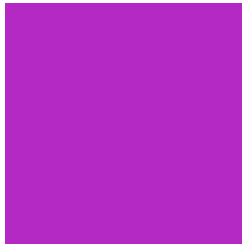


210003



# Previews

## White Background



This preview shows how the Hex color B428C4 looks on a white background.

## Color Contrast Check

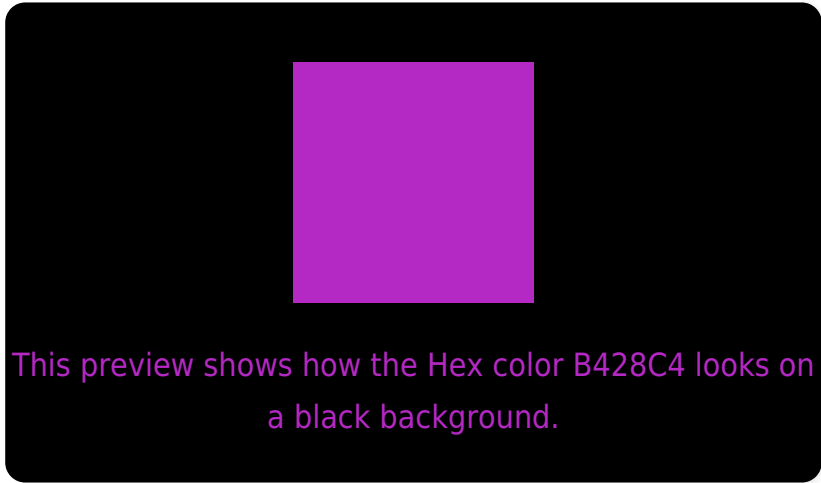
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

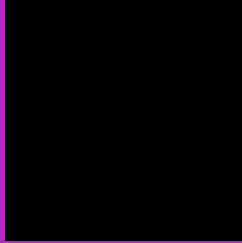
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex B428C4 Background



This preview shows how black text looks on a background with the Hex color B428C4.

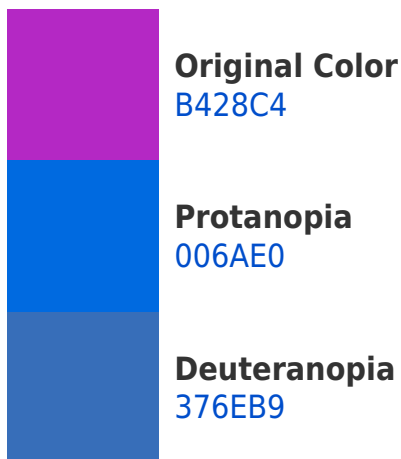


This preview shows how white text looks on a background with the Hex color B428C4.

# 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](#).

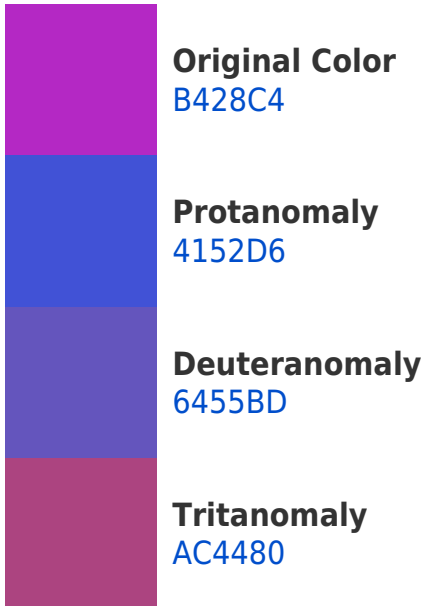
## Dichromacy



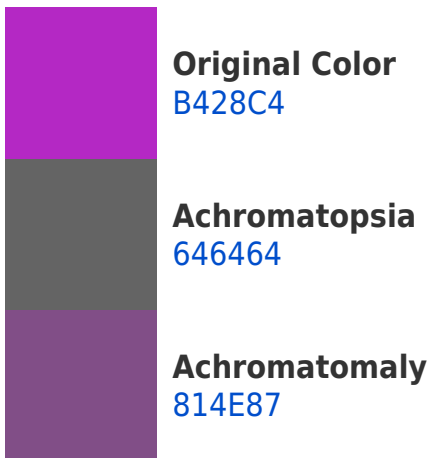


**Tritanopia**  
A75459

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex B428C4 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 #B428C4 looks like.

```
.text, #text, p{  
    color:#B428C4  
}
```

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 #B428C4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B428C4
}
```

## Border

The CSS property to change the border of an element to Hex B428C4 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
#B428C4 }
```

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

```
.border{ border-color:#B428C4 }
```

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

Here you see how a box with a 4 pixel #B428C4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B428C4; -webkit-box-shadow:4px 4px  
4px 4px #B428C4; box-shadow:4px 4px 4px  
4px #B428C4 }
```

# Background

The CSS property to change the background color of an element to Hex B428C4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B428C4 }
```

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

```
.background{ background-color:#B428C4 }
```

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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