

# Converting Colors

Hex(B412B1)

Have a look what the booklet for  
Hex(B412B1) contains.

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**Color**

**Hex(B412B1)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	<a href="#">B412B1</a>
RGB	<a href="#">180, 18, 177</a>
RGB Percent	<a href="#">71%, 7%, 69%</a>
CMY	<a href="#">0.2941, 0.9294, 0.3059</a>
CMYK	<a href="#">0.00, 0.90, 0.02, 0.29</a>
HSL	<a href="#">301°, 82%, 39%</a>
HSV	<a href="#">301°, 90%, 71%</a>
XYZ	<a href="#">26.9745, 13.3102, 42.7424</a>
YIQ	<a href="#">84.5640, 45.5130, 83.7930</a>

# Conversions

## Conversions Part 2

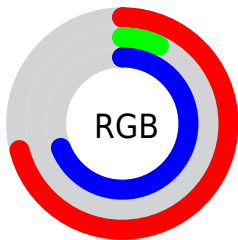
<b>Format</b>	<b>Color</b>
<b>RYB</b>	180, 18, 177
Decimal	11801265
CIELab	43.23, 73.29, -44.33
CIELCh	43, 85.653, 328.835
Yxy	13.3102, 0.3249, 0.1603
Android (android.graphics.Color)	4289991345 (0xFFB412B1)
YUV	84.5640, 45.5709, 83.6974
Hunter-Lab	36.4832, 68.1316, -43.9238

# Details

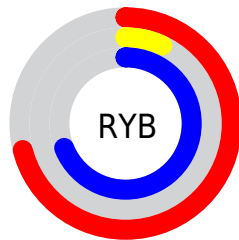
The Hex color **B412B1** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **12B415**, and the grayscale version is **545454**.

A 20% lighter version of the original color is **EF5BE9**, and **7A007C** is the 20% darker color. If you saturate the color by 10%, you get **B400B1**, and if you desaturate by 10%, it is **B424B1**.

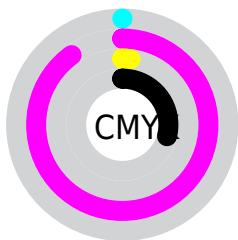
# Distribution



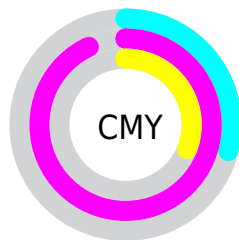
- Red (71%)
- Green (7%)
- Blue (69%)



- Red (71%)
- Yellow (7%)
- Blue (69%)



- Cyan (0%)
- Magenta (90%)
- Yellow (2%)
- Black (29%)



- Cyan (29%)
- Magenta (93%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B412B1 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 B412B1 by changing the saturation by 10% instead.



 B412B1

 B412B1

FFFFFF

 970096

 EF5BE9

 7A007C

 FF79FF

 5E0062

 FF96FF

 43004A

 FFB3FF


 280032

 FFD0FF

 00011C

 FFE0FF

 000000

 B412B1

 B412B1

 B400B1

 B424B1

 B436B2

 B448B2

 B45AB2

 B46CB3

 B47EB3

 B490B3

 B4A2B4

 B4B4B4

# Harmonies

## Analogous

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



4654E5



B412B1



D9006C

# Triad

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



B412B1



7F6300



0082AA

# Complementary

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



B412B1



12B415

# 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.



008161



B412B1



367500

# Square

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



B412B1



B44000



007D0A



007FE1

# Rectangle

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



B412B1



DB003E



007D0A



008292



# Sweetspot

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



B412B1



EBABE9



1512B4



755075



F5F5F5



757575



# Same Dimension

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



B412B1



EB00E6



B41260



595059



990096



1A0019



# Inverse Universe

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



B412B1



EB00E6



12B466



595059



990096



1A0019



# Previews

## White Background



This preview shows how the Hex color B412B1 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

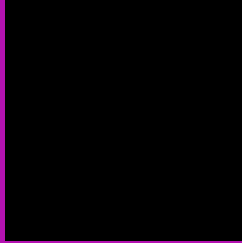
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex B412B1 Background



This preview shows how black text looks on a background with the Hex color B412B1.

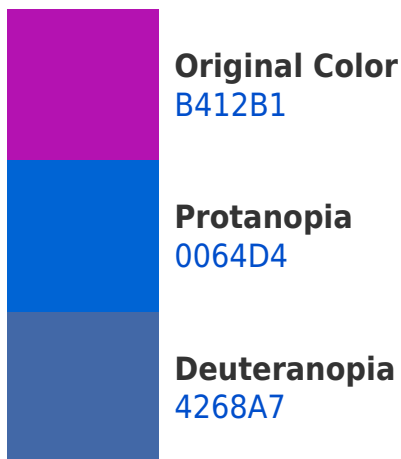


This preview shows how white text looks on a background with the Hex color B412B1.

# 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**  
A9474C

# Trichromacy



**Original Color**  
B412B1



**Protanomaly**  
4146C7



**Deuteranomaly**  
6B49AB



**Tritanomaly**  
AD3471

# Monochromacy



**Original Color**  
B412B1



**Achromatopsia**  
555555



**Achromatomaly**  
783D76

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B412B1 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 #B412B1 looks like.

```
.text, #text, p{  
    color:#B412B1  
}
```

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 #B412B1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B412B1
}
```

## Border

The CSS property to change the border of an element to Hex B412B1 is called "border". The border property can be set on classes, ids or directly on the HTML element.

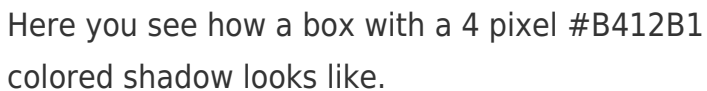
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B412B1 }
```

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

```
.border{ border-color:#B412B1 }
```

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



Here you see how a box with a 4 pixel #B412B1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B412B1; -webkit-box-shadow:4px 4px  
4px 4px #B412B1; box-shadow:4px 4px 4px  
4px #B412B1 }
```

# Background

The CSS property to change the background color of an element to Hex B412B1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B412B1 }
```

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

```
.background{ background-color:#B412B1 }
```

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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