

# Converting Colors

Hex(8012B2)

Have a look what the booklet for  
Hex(8012B2) contains.

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**Color**

**Hex(8012B2)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8012B2
RGB	128, 18, 178
RGB Percent	50%, 7%, 70%
CMY	0.4980, 0.9294, 0.3020
CMYK	0.28, 0.90, 0.00, 0.30
HSL	281°, 82%, 38%
HSV	281°, 90%, 70%
XYZ	17.1543, 8.2362, 42.8051
YIQ	69.1300, 14.2000, 73.0800

# Conversions

## Conversions Part 2

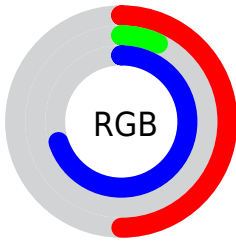
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	128, 18, 178
Decimal	8393394
CIE Lab	34.47, 65.02, -59.50
CIE LCh	34, 88.132, 317.540
Yxy	8.2362, 0.2515, 0.1208
Android (android.graphics.Color)	4286583474 (0xFF8012B2)
YUV	69.1300, 53.6729, 51.6290
Hunter-Lab	28.6987, 56.4733, -68.3439

# Details

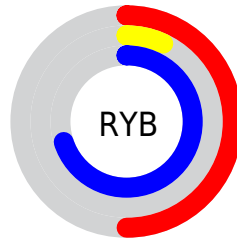
The Hex color **8012B2** is a dark color, and the websafe version is hex **9933CC**. A complement of this color would be **44B212**, and the grayscale version is **454545**.

A 20% lighter version of the original color is **BA52EB**, and **47007C** is the 20% darker color. If you saturate the color by 10%, you get **7A00B2**, and if you desaturate by 10%, it is **8624B2**.

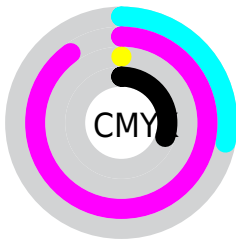
# Distribution



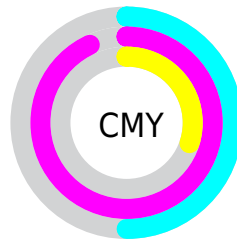
- Red (50%)
- Green (7%)
- Blue (70%)



- Red (50%)
- Yellow (7%)
- Blue (70%)



- Cyan (28%)
- Magenta (90%)
- Yellow (0%)
- Black (30%)



- Cyan (50%)
- Magenta (93%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 8012B2 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 8012B2 by changing the saturation by 10% instead.



 8012B2

 8012B2

FFFFFF

 640097

 BA52EB

 47007C

 D76EFF

 2A0062

 F58AFF

 04004A

 FFA6FF

 000432

 FFC2FF

 00011C

 FFDFFF

 000000

 FFFDFF

 8012B2

 8012B2

 7A00B2

 8624B2

 8B36B2

 9147B2

 9659B2

 9C6BB2

 A17DB2

 A78FB2

 ACA0B2

 B2B2B2

# Harmonies

## Analogous

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



004EDB



8012B2



B80071

# Triad

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



8012B2



7B4400



006A7A

# Complementary

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



8012B2



44B212

# 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.



006830



8012B2



3C5A00

# Square

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



8012B2



A90000



006400



006ABA

# Rectangle

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



8012B2



C30044



006400



006A62



# Sweetspot

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



8012B2



D4A9E8



1245B2



6A5075



F5F5F5



757575



# Same Dimension

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



8012B2



A000E8



B21295



565059



690099



12001A



# Inverse Universe

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



B21244



E80049



12B22F



595053



990030



1A0008



# Previews

## White Background



This preview shows how the Hex color 8012B2 looks on a white background.

## Color Contrast Check

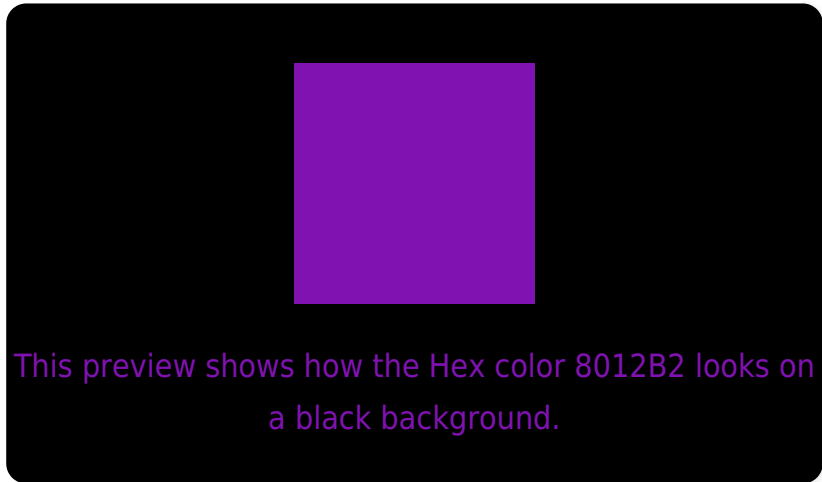
Large Text (above 18pt) WCAG AA ✓ Pass

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

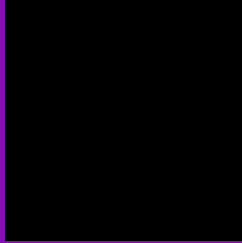
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 8012B2 Background



This preview shows how black text looks on a background with the Hex color 8012B2.



This preview shows how white text looks on a background with the Hex color 8012B2.

# 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



**Original Color**  
8012B2

**Protanopia**  
0050A8

**Deuteranopia**  
005592



**Tritanopia**  
6F474C

# Trichromacy



**Original Color**  
8012B2



**Protanomaly**  
2F39AC



**Deuteranomaly**  
2F3D9E



**Tritanomaly**  
753471

# Monochromacy



**Original Color**  
8012B2



**Achromatopsia**  
454545



**Achromatomaly**  
5A326D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 8012B2 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 #8012B2 looks like.

```
.text, #text, p{  
    color:#8012B2  
}
```

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 #8012B2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #8012B2
}
```

## Border

The CSS property to change the border of an element to Hex 8012B2 is called "border". The border property can be set on classes, ids or directly on the HTML element.

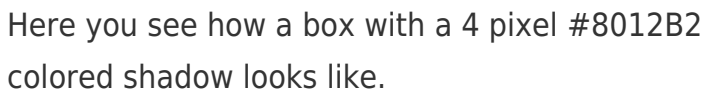
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#8012B2 }
```

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

```
.border{ border-color:#8012B2 }
```

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



Here you see how a box with a 4 pixel #8012B2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #8012B2; -webkit-box-shadow:4px 4px  
4px 4px #8012B2; box-shadow:4px 4px 4px  
4px #8012B2 }
```

# Background

The CSS property to change the background color of an element to Hex 8012B2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#8012B2 }
```

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

```
.background{ background-color:#8012B2 }
```

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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