

# Converting Colors

Hex(812BA1)

Have a look what the booklet for  
Hex(812BA1) contains.

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# Color

**Hex(812BA1)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	812BA1
RGB	129, 43, 161
RGB Percent	51%, 17%, 63%
CMY	0.4941, 0.8314, 0.3686
CMYK	0.20, 0.73, 0.00, 0.37
HSL	284°, 58%, 40%
HSV	284°, 73%, 63%
XYZ	16.3502, 8.9681, 34.5875
YIQ	82.1660, 13.3780, 54.9300

# Conversions

## Conversions Part 2

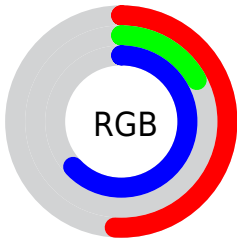
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	129, 43, 161
Decimal	8465313
CIE <sub>Lab</sub>	35.92, 54.27, -46.94
CIE <sub>LCh</sub>	36, 71.756, 319.142
Yxy	8.9681, 0.2729, 0.1497
Android (android.graphics.Color)	4286655393 (0xFF812BA1)
YUV	82.1660, 38.8652, 41.0734
Hunter-Lab	29.9468, 45.0495, -47.5152

# Details

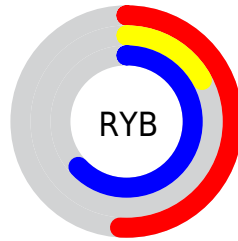
The Hex color **812BA1** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **4BA12B**, and the grayscale version is **525252**.

A 20% lighter version of the original color is **B961D9**, and **4B006C** is the 20% darker color. If you saturate the color by 10%, you get **7D1BA1**, and if you desaturate by 10%, it is **853BA1**.

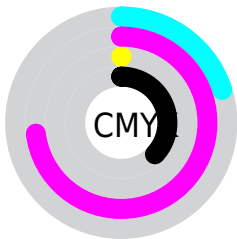
# Distribution



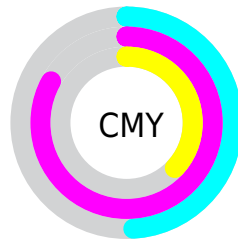
- Red (51%)
- Green (17%)
- Blue (63%)



- Red (51%)
- Yellow (17%)
- Blue (63%)



- Cyan (20%)
- Magenta (73%)
- Yellow (0%)
- Black (37%)




- Cyan (49%)
- Magenta (83%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 812BA1 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 812BA1 by changing the saturation by 10% instead.



 812BA1

 812BA1

FFFFFF

 660886

 B961D9

 4B006C

 D67CF5

 300054

 F397FF

 16003C

 FFB3FF

 000225


 FFCFFF

 00010D

 FFECFF

 000000

 812BA1

 812BA1

 7D1BA1

 853BA1

780BA1

8A4BA1

7500A1

8E5BA1

926BA1

977CA1

9B8CA1

A09CA1

A4ACA1

A8BCA1

# Harmonies

## Analogous

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



004FC3



812BA1



AD006C

# Triad

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



812BA1



794B00



006B79

# Complementary

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



812BA1



4BA12B

# 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.



006A3D



812BA1



455D00

# Square

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



812BA1



9F2900



006600



006AAC

# Rectangle

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



812BA1



B50046



006600



006B65



# Sweetspot

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



812BA1



C5A3D1



2B4CA1



614D69



E8E8E8



696969



# Same Dimension

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



812BA1



9F19D1



A12B87



4F4952



6A0091



0D0012



# Inverse Universe

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



A12B4B



D1194B



2BA145



52494C



910027



120005



# Previews

## White Background



This preview shows how the Hex color 812BA1 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

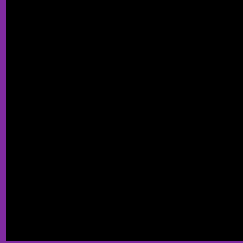
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 812BA1 Background



This preview shows how black text looks on a background with the Hex color 812BA1.



This preview shows how white text looks on a background with the Hex color 812BA1.

# 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**  
812BA1

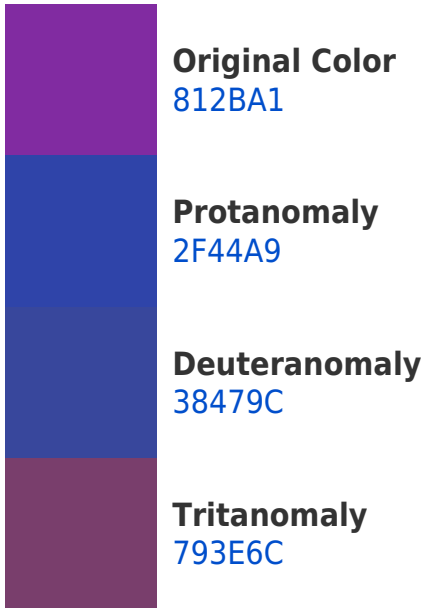
**Protanopia**  
0052AE

**Deuteranopia**  
0E5799

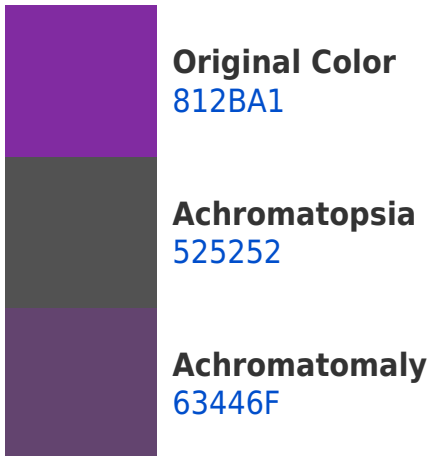


**Tritanopia**  
75494E

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 812BA1 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 #812BA1 looks like.

```
.text, #text, p{  
    color:#812BA1  
}
```

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 #812BA1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #812BA1
}
```

## Border

The CSS property to change the border of an element to Hex 812BA1 is called "border". The border property can be set on classes, ids or directly on the HTML element.

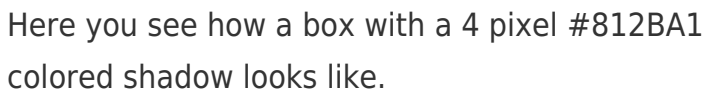
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#812BA1 }
```

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

```
.border{ border-color:#812BA1 }
```

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



Here you see how a box with a 4 pixel #812BA1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #812BA1; -webkit-box-shadow:4px 4px  
4px 4px #812BA1; box-shadow:4px 4px 4px  
4px #812BA1 }
```

# Background

The CSS property to change the background color of an element to Hex 812BA1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#812BA1 }
```

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

```
.background{ background-color:#812BA1 }
```

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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