

# Converting Colors

Hex(842ED0)

Have a look what the booklet for  
Hex(842ED0) contains.

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# Color

**Hex(842ED0)**

# Conversions

Conversions Part 1	
Format	Color
Hex	842ED0
RGB	132, 46, 208
RGB Percent	52%, 18%, 82%
CMY	0.4824, 0.8196, 0.1843
CMYK	0.37, 0.78, 0.00, 0.18
HSL	272°, 64%, 50%
HSV	272°, 78%, 82%
XYZ	21.8779, 11.4136, 60.7245
YIQ	90.1820, -0.7460, 68.6140

# Conversions

## Conversions Part 2

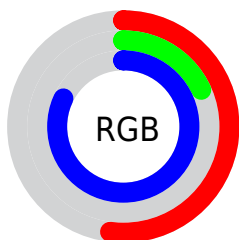
Format	Color
<a href="#">RYB</a>	<a href="#">132, 46, 208</a>
Decimal	<a href="#">8662736</a>
CIELab	<a href="#">40.27, 63.89, -67.61</a>
CIELCh	<a href="#">40, 93.022, 313.379</a>
Yxy	<a href="#">11.4136, 0.2327, 0.1214</a>
Android (android.graphics.Color)	<a href="#">4286852816</a> (0xFF842ED0)
YUV	<a href="#">90.1820, 58.0843, 36.6744</a>
Hunter-Lab	<a href="#">33.7840, 56.4712, -82.9210</a>

# Details

The Hex color **842ED0** is a dark color, and the websafe version is hex **9933CC**. The color can be described as dark washed purple. A complement of this color would be **7AD02E**, and the grayscale version is **5A5A5A**.

A 20% lighter version of the original color is **BF66FF**, and **490098** is the 20% darker color. If you saturate the color by 10%, you get **7A19D0**, and if you desaturate by 10%, it is **8E43D0**.

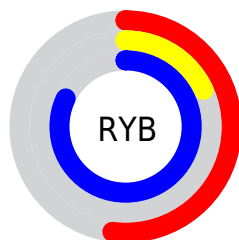
# Distribution



Red (52%)

Green (18%)

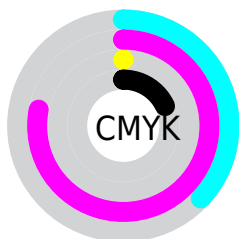
Blue (82%)



Red (52%)

Yellow (18%)

Blue (82%)

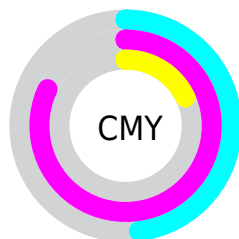


Cyan (37%)

Magenta (78%)

Yellow (0%)

Black (18%)



Cyan (48%)

Magenta (82%)

Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 842ED0 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 842ED0 by changing the saturation by 10% instead.



 842ED0

 842ED0

FFFFFF

 6709B4

 BF66FF

 490098

 DC81FF

 28007E

 FB9DFF

 000064

 FFB9FF

 00004B

 FFD5FF

 000433

 FFF3FF

 00021D

 000000

 842ED0

 842ED0

 7A19D0

 8E43D0

 7004D0

 9858D0

 6E00D0

 A16CD0

 AB81D0

 B596D0

 BFABD0

 C8C0D0

 D2D4D0

 DCE9D0

# Harmonies

## Analogous

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



005FF7



842ED0



CB008C

# Triad

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



842ED0



964B00



007B81

# Complementary

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



842ED0



7AD02E

# 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.



00782F



842ED0



556700

# Square

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



842ED0



C50000



007300



007BC8

# Rectangle

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



842ED0



DA005A



007300



007A66



# Sweetspot

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



842ED0



E3C4FF



2E7CD0



6F5C80



000000



808080



# Same Dimension

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



842ED0



9012FF



D02ECD



645E69



5900A8



160029



# Inverse Universe

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



D02E7A



FF1281



2ED031



695E63



A8004F

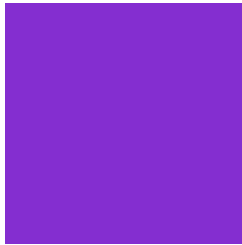


290013



# Previews

## White Background



This preview shows how the Hex color 842ED0 looks on a white background.

## Color Contrast Check

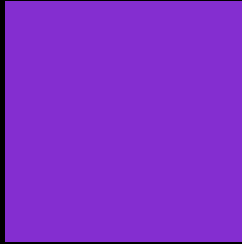
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 842ED0 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

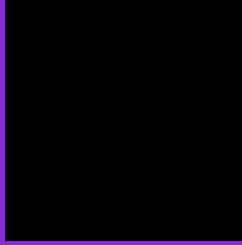
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 842ED0 Background



This preview shows how black text looks on a background with the Hex color 842ED0.



This preview shows how white text looks on a background with the Hex color 842ED0.

# 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**  
842ED0





**Protanopia**  
005CC2

**Deuteranopia**  
0062A8






**Tritanopia**  
6E5A61

# Trichromacy

	<b>Original Color</b> 842ED0
	<b>Protanomaly</b> 304BC7
	<b>Deuteranomaly</b> 304FB7
	<b>Tritanomaly</b> 764A89

# Monochromacy

	<b>Original Color</b> 842ED0
	<b>Achromatopsia</b> 5A5A5A
	<b>Achromatomaly</b> 694A85

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 842ED0 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 #842ED0 looks like.

```
.text, #text, p{  
    color:#842ED0  
}
```

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 #842ED0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #842ED0
}
```

## Border

The CSS property to change the border of an element to Hex 842ED0 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
#842ED0 }
```

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

```
.border{ border-color:#842ED0 }
```

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

Here you see how a box with a 4 pixel #842ED0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #842ED0; -webkit-box-shadow:4px 4px  
4px 4px #842ED0; box-shadow:4px 4px 4px  
4px #842ED0 }
```

# Background

The CSS property to change the background color of an element to Hex 842ED0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#842ED0 }
```

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

```
.background{ background-color:#842ED0 }
```

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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