

Converting Colors

Hex(812BE8)

Have a look what the booklet for
Hex(812BE8) contains.

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Color

Hex(812BE8)

Conversions

Conversions Part 1

Format	Color
Hex	812BE8
RGB	129, 43, 232
RGB Percent	51%, 17%, 91%
CMY	0.4941, 0.8314, 0.0902
CMYK	0.44, 0.81, 0.00, 0.09
HSL	267°, 80%, 54%
HSV	267°, 81%, 91%
XYZ	24.4826, 12.2211, 77.4125
YIQ	90.2600, -9.4130, 77.0110

Conversions

Conversions Part 2

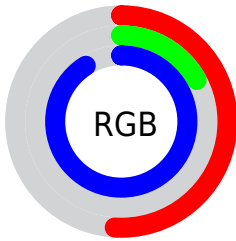
Format	Color
R _Y B	129, 43, 232
Decimal	8465384
CIE Lab	41.57, 70.01, -79.25
CIE LCh	42, 105.745, 311.455
Yxy	12.2211, 0.2145, 0.1071
Android (android.graphics.Color)	4286655464 (0xFF812BE8)
YUV	90.2600, 69.8778, 33.9750
Hunter-Lab	34.9587, 63.8314, -106.8207

Details

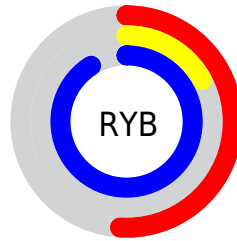
The Hex color **812BE8** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **92E82B**, and the grayscale version is **5A5A5A**.

A 20% lighter version of the original color is **BE64FF**, and **4100AF** is the 20% darker color. If you saturate the color by 10%, you get **7414E8**, and if you desaturate by 10%, it is **8E42E8**.

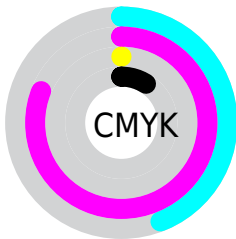
Distribution



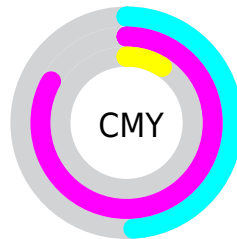
- Red (51%)
- Green (17%)
- Blue (91%)



- Red (51%)
- Yellow (17%)
- Blue (91%)



- Cyan (44%)
- Magenta (81%)
- Yellow (0%)
- Black (9%)



- Cyan (49%)
- Magenta (83%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Hex color 812BE8 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 812BE8 by changing the saturation by 10% instead.

 812BE8

 812BE8

FFFFFF

 6200CB

 BE64FF

 4100AF

 DC80FF

 140093

 FB9CFF

 000079

 FFB8FF

 00005F

 FFD5FF

 000846

 FFF2FF

 00042E

 000119

 000000

 812BE8

 812BE8

 7414E8

 8E42E8

 6A00E8

 9A59E8

 A771E8

 B488E8

 C09FE8

 CDB6E8

 DACDE8

 E6E5E8

 F3FCE8

Harmonies

Analogous

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



0066FF



812BE8



D9009C

Triad

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



812BE8



A24800



008083

Complementary

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



812BE8



92E82B

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.



007E23



812BE8



596A00

Square

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



812BE8



D70000



007800



0081D6

Rectangle

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



812BE8



EC0062



007800



007F64

Sweetspot

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



812BE8



DEC2FF



2B93E8



6B5B80



000000



808080

Same Dimension

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



812BE8



7705FF



DF2BE8



6C6773



5100B3



170033

Inverse Universe

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



E82B92



FF058D



34E82B



73676E



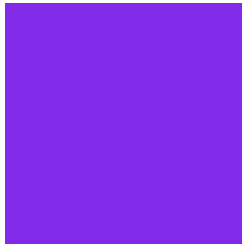
B30061



33001C

Previews

White Background



This preview shows how the Hex color 812BE8 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

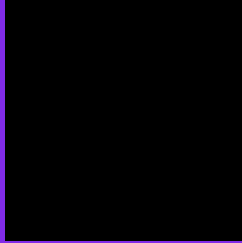
Any Text WCAG AA × Fail

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 812BE8 Background



This preview shows how black text looks on a background with the Hex color 812BE8.

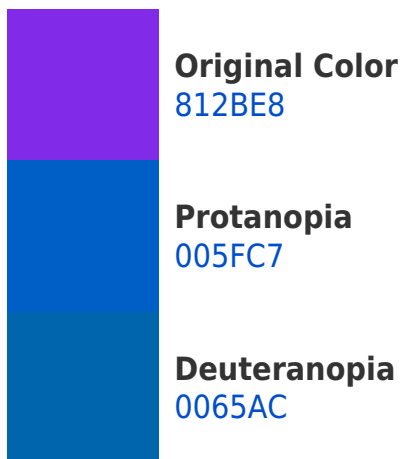


This preview shows how white text looks on a background with the Hex color 812BE8.

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](#).

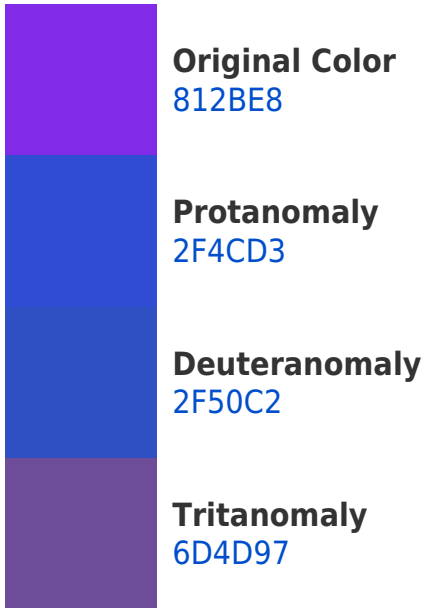
Dichromacy



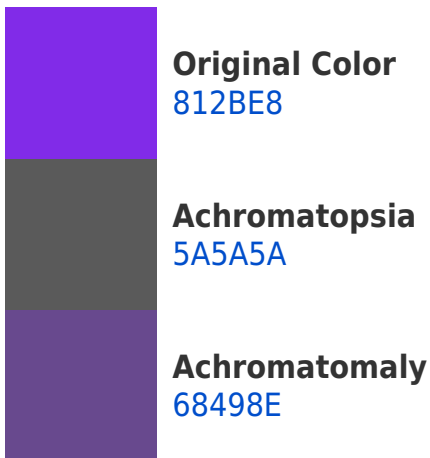


Tritanopia
626169

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 812BE8 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 #812BE8 looks like.

```
.text, #text, p{  
    color:#812BE8  
}
```

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 #812BE8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #812BE8
}
```

Border

The CSS property to change the border of an element to Hex 812BE8 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
#812BE8 }
```

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

```
.border{ border-color:#812BE8 }
```

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

Here you see how a box with a 4 pixel #812BE8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #812BE8; -webkit-box-shadow:4px 4px  
4px 4px #812BE8; box-shadow:4px 4px 4px  
4px #812BE8 }
```

Background

The CSS property to change the background color of an element to Hex 812BE8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#812BE8 }
```

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

```
.background{ background-color:#812BE8 }
```

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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