

# Converting Colors

Hex(821AA5)

Have a look what the booklet for  
Hex(821AA5) contains.

<b>Hex(821AA5)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(821AA5)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	821AA5
RGB	130, 26, 165
RGB Percent	51%, 10%, 65%
CMY	0.4902, 0.8980, 0.3529
CMYK	0.21, 0.84, 0.00, 0.35
HSL	285°, 73%, 37%
HSV	285°, 84%, 65%
XYZ	16.3668, 8.2012, 36.3177
YIQ	72.9420, 17.3650, 65.2770

# Conversions

## Conversions Part 2

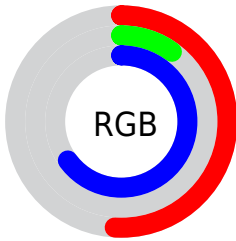
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	130, 26, 165
Decimal	8526501
CIE <sub>Lab</sub>	34.40, 60.94, -51.81
CIE <sub>LCh</sub>	34, 79.983, 319.629
Yxy	8.2012, 0.2688, 0.1347
Android (android.graphics.Color)	4286716581 (0xFF821AA5)
YUV	72.9420, 45.3846, 50.0399
Hunter-Lab	28.6378, 51.8988, -55.1435

# Details

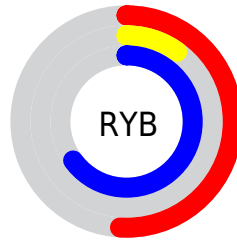
The Hex color **821AA5** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **3DA51A**, and the grayscale version is **484848**.

A 20% lighter version of the original color is **BB56DD**, and **4B0070** is the 20% darker color. If you saturate the color by 10%, you get **7E09A5**, and if you desaturate by 10%, it is **862AA5**.

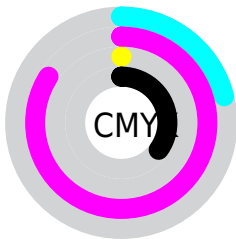
# Distribution



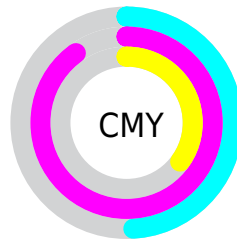
- Red (51%)
- Green (10%)
- Blue (65%)



- Red (51%)
- Yellow (10%)
- Blue (65%)



- Cyan (21%)
- Magenta (84%)
- Yellow (0%)
- Black (35%)



- Cyan (49%)
- Magenta (90%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 821AA5 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 821AA5 by changing the saturation by 10% instead.



821AA5

821AA5

FFFFFF

66008A

BB56DD

4B0070

D871FA

300057

F68DFF

12003F

FFA8FF

000328

FFC5FF

000111

FFE2FF

000000

821AA5

821AA5

7E09A5

862AA5

 7B00A5

 8A3BA5

 8E4BA5

 935CA5

 976CA5

 9B7DA5

 9F8DA5

 A39EA5

 A7AEA5

# Harmonies

## Analogous

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



004BCC



821AA5



B1006A

# Triad

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



821AA5



764700



00697A

# Complementary

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



821AA5



3DA51A

# 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.



006738



821AA5



3B5A00

# Square

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



821AA5



A01A00



006300



0068B3

# Rectangle

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



821AA5



B90040



006300



006965



# Sweetspot

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



821AA5



C9A1D6



1A3FA5



634B6B



EBEBEB



6B6B6B



# Same Dimension

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



821AA5



A000D6



A51A85



504952



6D0091



0D0012



# Inverse Universe

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



A51A3D



D60036



1AA53A



52494B



910025

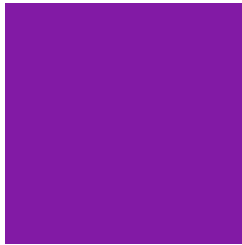


120004



# Previews

## White Background



This preview shows how the Hex color 821AA5 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

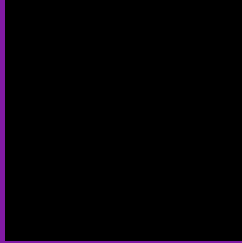
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 821AA5 Background



This preview shows how black text looks on a background with the Hex color 821AA5.

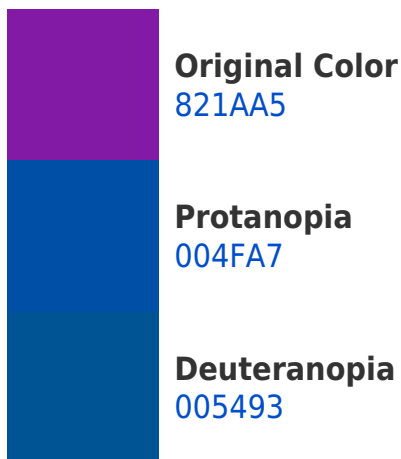



This preview shows how white text looks on a background with the Hex color 821AA5.

# 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](#).

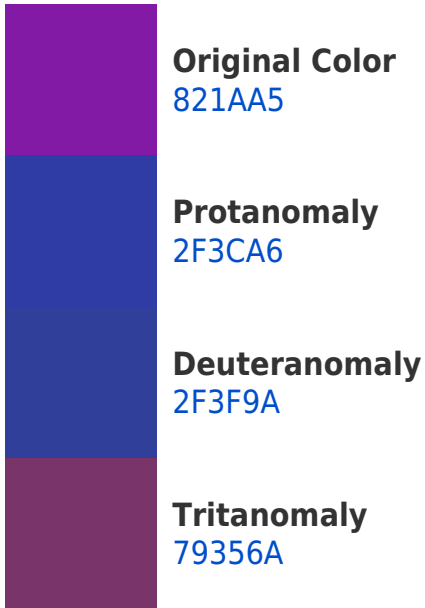
## Dichromacy



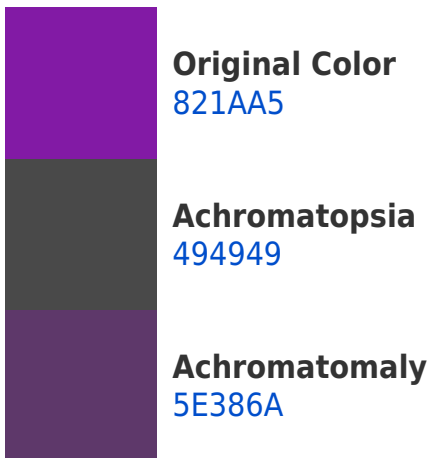


**Tritanopia**  
744449

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 821AA5 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 #821AA5 looks like.

```
.text, #text, p{  
    color:#821AA5  
}
```

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 #821AA5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #821AA5
}
```

## Border

The CSS property to change the border of an element to Hex 821AA5 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
#821AA5 }
```

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

```
.border{ border-color:#821AA5 }
```

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

Here you see how a box with a 4 pixel #821AA5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #821AA5; -webkit-box-shadow:4px 4px  
4px 4px #821AA5; box-shadow:4px 4px 4px  
4px #821AA5 }
```

# Background

The CSS property to change the background color of an element to Hex 821AA5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#821AA5 }
```

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

```
.background{ background-color:#821AA5 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor