

# Converting Colors

Hex(834AB5)

Have a look what the booklet for  
Hex(834AB5) contains.

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# Color

**Hex(834AB5)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	834AB5
RGB	131, 74, 181
RGB Percent	51%, 29%, 71%
CMY	0.4863, 0.7098, 0.2902
CMYK	0.28, 0.59, 0.00, 0.29
HSL	272°, 42%, 50%
HSV	272°, 59%, 71%
XYZ	20.1493, 13.0590, 45.1747
YIQ	103.2410, -0.3750, 45.3610

# Conversions

## Conversions Part 2

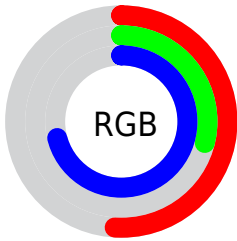
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	131, 74, 181
Decimal	8604341
CIE <sub>Lab</sub>	42.85, 44.46, -47.70
CIE <sub>LCh</sub>	43, 65.207, 312.988
Yxy	13.0590, 0.2571, 0.1666
Android (android.graphics.Color)	4286794421 (0xFF834AB5)
YUV	103.2410, 38.3352, 24.3446
Hunter-Lab	36.1373, 36.2873, -48.8215

# Details

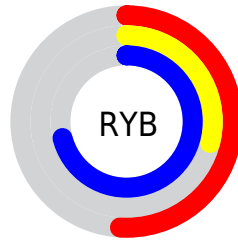
The Hex color **834AB5** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **7CB54A**, and the grayscale version is **676767**.

A 20% lighter version of the original color is **BB7DEE**, and **4D187F** is the 20% darker color. If you saturate the color by 10%, you get **7B38B5**, and if you desaturate by 10%, it is **8B5CB5**.

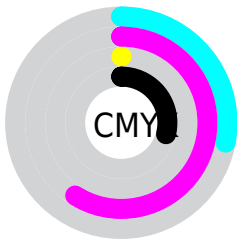
# Distribution



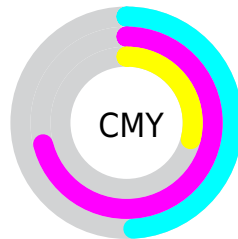
- Red (51%)
- Green (29%)
- Blue (71%)



- Red (51%)
- Yellow (29%)
- Blue (71%)



- Cyan (28%)
- Magenta (59%)
- Yellow (0%)
- Black (29%)



- Cyan (49%)
- Magenta (71%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 834AB5 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 834AB5 by changing the saturation by 10% instead.



834AB5

834AB5

FFFFFF

68319A

BB7DEE

4D187F

D898FF

320066

F5B3FF

18004D

FFCFFF

000035

FFECFF

00021F

000002

000000

834AB5

834AB5

7B38B5

8B5CB5

7226B5

946EB5

6A14B5

9C80B5

6102B5

A592B5

6000B5

ADA5B5

B6B7B5

BEC9B5

C7DBB5

CFEDB5

# Harmonies

## Analogous

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



0064D0



834AB5



B42986

# Triad

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



834AB5



945700



007C7C

# Complementary

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



834AB5



7CB54A

# 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.



007B43



834AB5



666A00

# Square

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



834AB5



B53B1C



207500



007BAE

# Rectangle

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



834AB5



C11C62



207500



007C69



# Sweetspot

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



834AB5



D7C0EB



4A7EB5



695B75



F5F5F5



757575



# Same Dimension

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



834AB5



9D44EB



B54AB3



555059



520099



0E001A



# Inverse Universe

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



B54A7C



EB4492



4AB54C



595054



990047



1A000C



# Previews

## White Background



This preview shows how the Hex color 834AB5 looks on a white background.

## Color Contrast Check

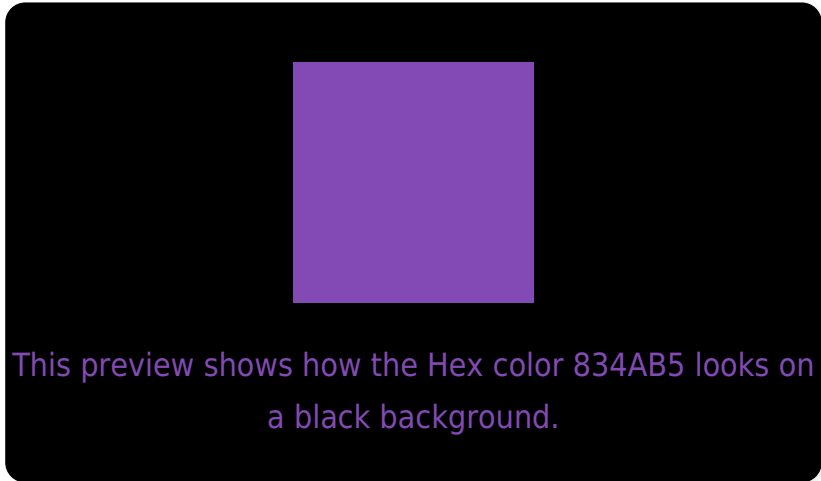
Large Text (above 18pt) WCAG AA ✓ Pass

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

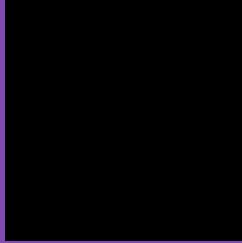
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 834AB5 Background



This preview shows how black text looks on a background with the Hex color 834AB5.

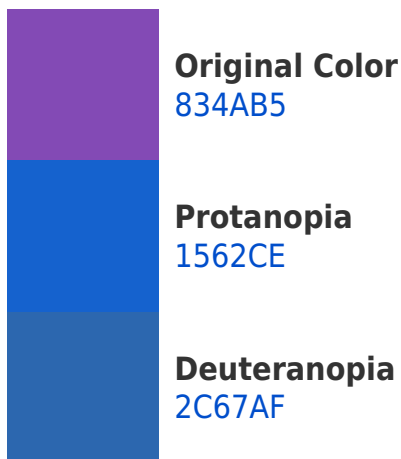


This preview shows how white text looks on a background with the Hex color 834AB5.

# 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](#).

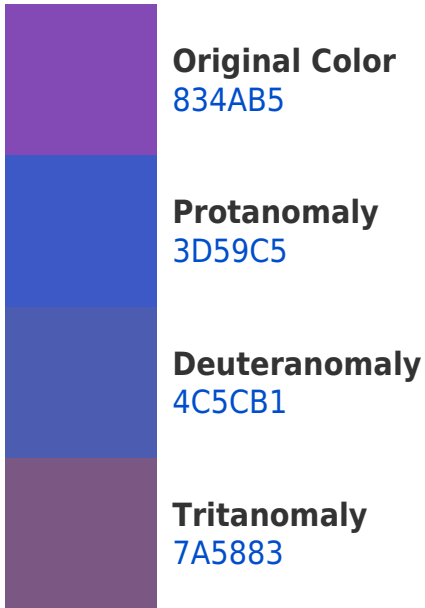
## Dichromacy



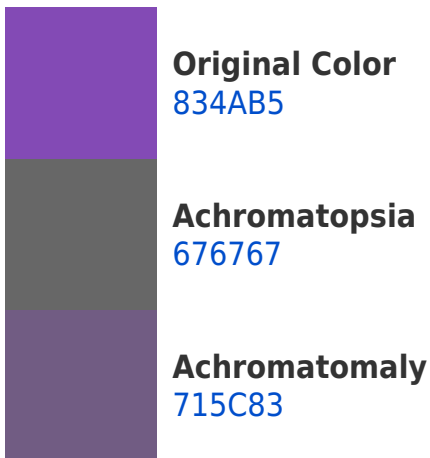


**Tritanopia**  
756067

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 834AB5 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 #834AB5 looks like.

```
.text, #text, p{  
  color:#834AB5  
}
```

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 #834AB5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #834AB5
}
```

## Border

The CSS property to change the border of an element to Hex 834AB5 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
#834AB5 }
```

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

```
.border{ border-color:#834AB5 }
```

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

Here you see how a box with a 4 pixel #834AB5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #834AB5; -webkit-box-shadow:4px 4px  
4px 4px #834AB5; box-shadow:4px 4px 4px  
4px #834AB5 }
```

# Background

The CSS property to change the background color of an element to Hex 834AB5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#834AB5 }
```

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

```
.background{ background-color:#834AB5 }
```

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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