

# Converting Colors

Hex(AB5ECA)

Have a look what the booklet for  
Hex(AB5ECA) contains.

<b>Hex(AB5ECA)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

Hex(**AB5ECA**)

# Conversions

## Conversions Part 1

Format	Color
Hex	AB5ECA
RGB	171, 94, 202
RGB Percent	67%, 37%, 79%
CMY	0.3294, 0.6314, 0.2078
CMYK	0.15, 0.53, 0.00, 0.21
HSL	283°, 50%, 58%
HSV	283°, 53%, 79%
XYZ	31.4580, 20.9276, 58.2585
YIQ	129.3350, 11.2240, 49.9120

# Conversions

## Conversions Part 2

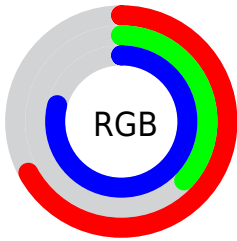
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	171, 94, 202
Decimal	11230922
CIE <sub>Lab</sub>	52.87, 49.01, -43.62
CIE <sub>LCh</sub>	53, 65.610, 318.325
Yxy	20.9276, 0.2843, 0.1891
Android (android.graphics.Color)	4289421002 (0xFFAB5ECA)
YUV	129.3350, 35.8238, 36.5402
Hunter-Lab	45.7467, 42.6898, -43.4833

# Details

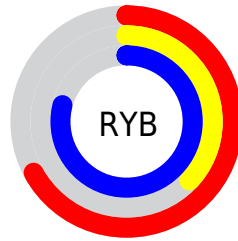
The Hex color **AB5ECA** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **7DCA5E**, and the grayscale version is **818181**.

A 20% lighter version of the original color is **E493FF**, and **742A93** is the 20% darker color. If you saturate the color by 10%, you get **A54ACA**, and if you desaturate by 10%, it is **B172CA**.

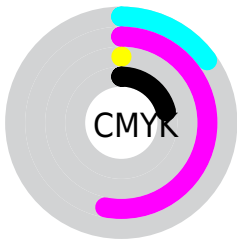
# Distribution



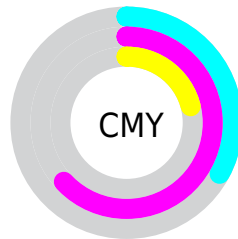
- Red (67%)
- Green (37%)
- Blue (79%)



- Red (67%)
- Yellow (37%)
- Blue (79%)



- Cyan (15%)
- Magenta (53%)
- Yellow (0%)
- Black (21%)



- Cyan (33%)
- Magenta (63%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Hex color AB5ECA 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 AB5ECA by changing the saturation by 10% instead.



 AB5ECA

 AB5ECA

FFFFFF

 8F44AE

 E493FF

 742A93

 FFAFFF

 590B79

 FFCBFF

 3F0060

 FFE7FF

 260047

 020030

 00011A

 000000

 AB5ECA

 AB5ECA

 A54ACA

 B172CA

 9F36CA

 B786CA

 9A21CA

 BC9BCA

 940DCA

 C2AFCA

 9000CA

 C8C3CA

 CED7CA

 D4EBCA

 D9FFCA

 DFFFCA

# Harmonies

## Analogous

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



4879EA



AB5ECA



D74497

# Triad

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



AB5ECA



AA7400



0098A0

# Complementary

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



AB5ECA



7DCA5E

# 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.



009665



AB5ECA



778600

# Square

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



AB5ECA



D05B2A



2C912C



0095D2

# Rectangle

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



AB5ECA



E14071



2C912C



00988D



# Sweetspot

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



AB5ECA



F3D6FF



5E7ECA



796780



000000



808080



# Same Dimension

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



AB5ECA



D05CFF



CA5EB4



635C66



7600A6



1B0026



# Inverse Universe

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



CA5E7D



FF5C8B



5ECA74



665C5F



A60030

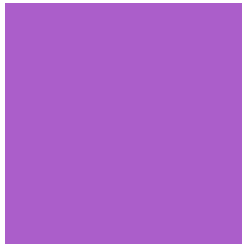


26000B



# Previews

## White Background



This preview shows how the Hex color AB5ECA looks on a white background.

## Color Contrast Check

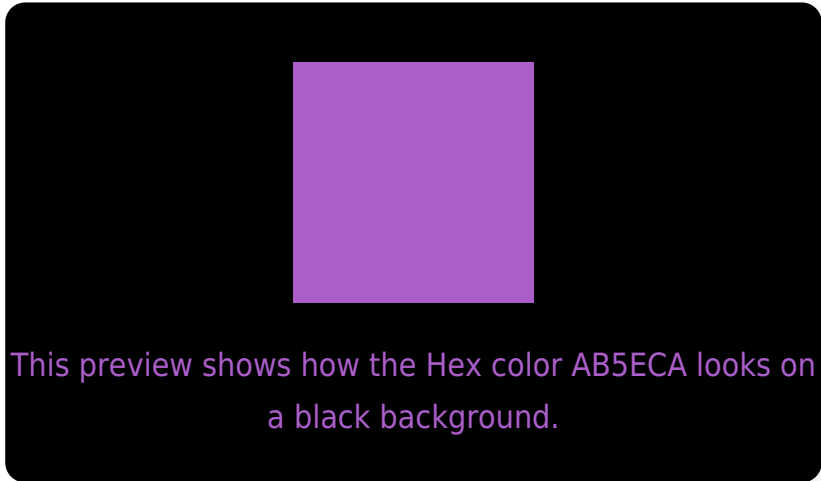
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

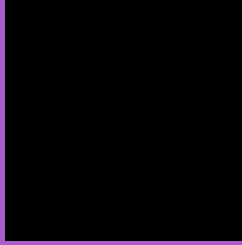
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex AB5ECA Background



This preview shows how black text looks on a background with the Hex color AB5ECA.

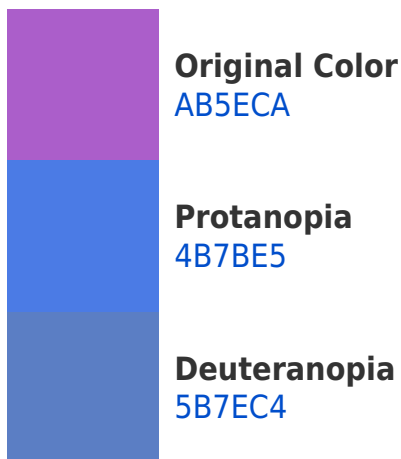


This preview shows how white text looks on a background with the Hex color AB5ECA.

# 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](#).

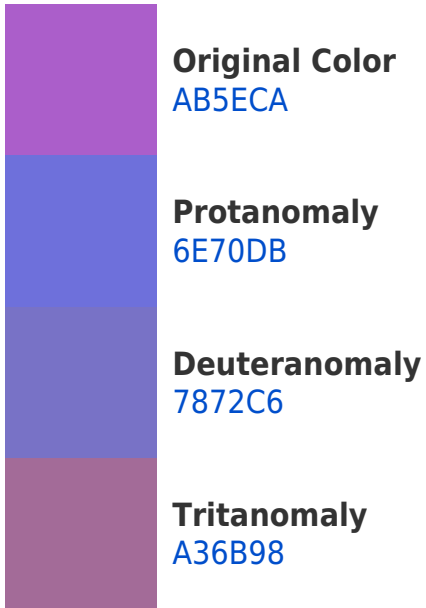
## Dichromacy



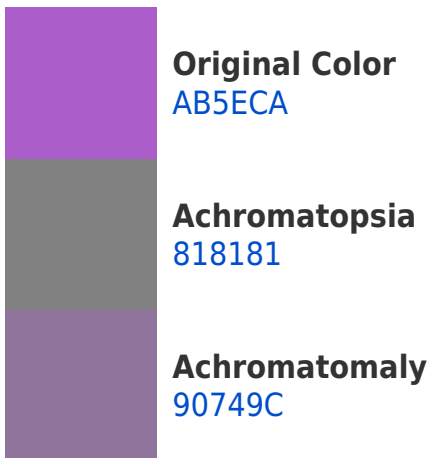


**Tritanopia**  
9F727B

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex AB5ECA 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 #AB5ECA looks like.

```
.text, #text, p{  
    color:#AB5ECA  
}
```

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 #AB5ECA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #AB5ECA
}
```

## Border

The CSS property to change the border of an element to Hex AB5ECA 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
#AB5ECA }
```

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

```
.border{ border-color:#AB5ECA }
```

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

Here you see how a box with a 4 pixel #AB5ECA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #AB5ECA; -webkit-box-shadow:4px 4px  
4px 4px #AB5ECA; box-shadow:4px 4px 4px  
4px #AB5ECA }
```

# Background

The CSS property to change the background color of an element to Hex AB5ECA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#AB5ECA }
```

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

```
.background{ background-color:#AB5ECA }
```

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