

# Converting Colors

Hex(AC87E5)

Have a look what the booklet for  
Hex(AC87E5) contains.

|  |    |
|--|----|
| <b>Hex(AC87E5)</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(AC87E5)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | AC87E5                     |
| RGB         | 172, 135, 229              |
| RGB Percent | 67%, 53%, 90%              |
| CMY         | 0.3255, 0.4706, 0.1020     |
| CMYK        | 0.25, 0.41, 0.00, 0.10     |
| HSL         | 264°, 64%, 71%             |
| HSV         | 264°, 41%, 90%             |
| XYZ         | 39.8201, 31.7557, 78.1595  |
| YIQ         | 156.7790, -8.1220, 37.0780 |

# Conversions

## Conversions Part 2

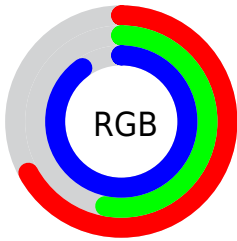
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 172, 135, 229                 |
| Decimal                             | 11306981                      |
| CIE <sub>Lab</sub>                  | 63.14, 33.01, -42.63          |
| CIE <sub>LCh</sub>                  | 63, 53.913, 307.753           |
| Yxy                                 | 31.7557, 0.2659,<br>0.2121    |
| Android<br>(android.graphics.Color) | 4289497061<br>(0xFFAC87E5)    |
| YUV                                 | 156.7790, 35.6050,<br>13.3488 |
| Hunter-Lab                          | 56.3522, 27.5167,<br>-42.7875 |

# Details

The Hex color **AC87E5** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **C0E587**, and the grayscale version is **9C9C9C**.

A 20% lighter version of the original color is **E5BDFF**, and **7555AD** is the 20% darker color. If you saturate the color by 10%, you get **9E70E5**, and if you desaturate by 10%, it is **BA9EE5**.

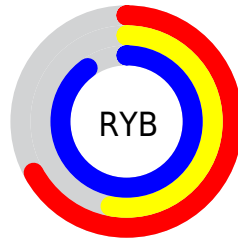
# Distribution



Red (67%)

Green (53%)

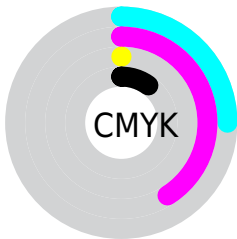
Blue (90%)



Red (67%)

Yellow (53%)

Blue (90%)

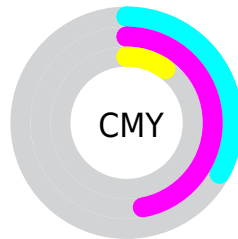


Cyan (25%)

Magenta (41%)

Yellow (0%)

Black (10%)



Cyan (33%)

Magenta (47%)

Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Hex color AC87E5 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 AC87E5 by changing the saturation by 10% instead.



 AC87E5

 AC87E5

FFFFFF

 906DC9

 E5BDFE

 7555AD

 FFD9FF

 5B3D92

 FFF5FF

 412678

 260F5F

 0B0047

 00012F

 000119

 000000

■ AC87E5

■ AC87E5

■ 9E70E5

■ BA9EE5

■ 9059E5

■ C8B5E5

■ 8242E5

■ D6CCE5

■ 742BE5

■ E4E3E5

■ 6714E5

■ F1FAE5

■ 5A00E5

■ FFFF E5

# Harmonies

## Analogous

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



549AF8



AC87E5



DD75BE

# Triad

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



AC87E5



D0893E



00B1A4

# Complementary

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



AC87E5



C0E587

# 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.



20AE73



AC87E5



A89A33

# Square

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



AC87E5



EB7761



75A749



00AFD2

# Rectangle

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



AC87E5



ED6E9E



75A749



00B094



# Sweetspot

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



AC87E5



ECE0FF



87C1E5



756E80



000000



808080



# Same Dimension

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



AC87E5



B382FF



DA87E5



6C6773



4600B3



140033



# Inverse Universe

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



E587C0



FF82CE



92E587



73676E



B3006C

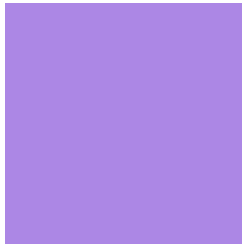


33001F



# Previews

## White Background



This preview shows how the Hex color AC87E5 looks on a white background.

## Color Contrast Check

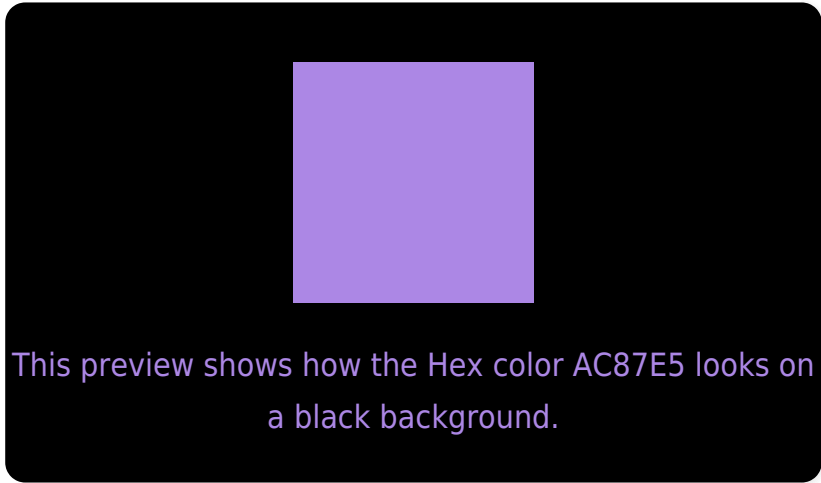
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

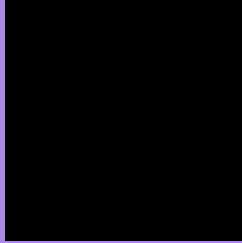
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex AC87E5 Background



This preview shows how black text looks on a background with the Hex color AC87E5.

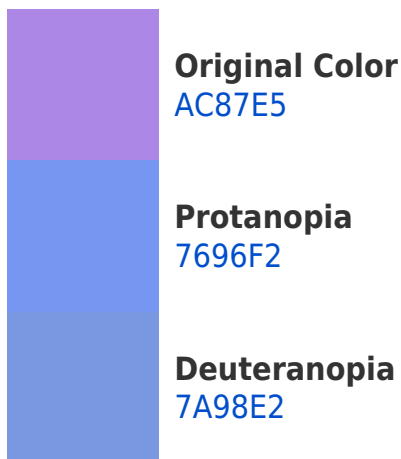



This preview shows how white text looks on a background with the Hex color AC87E5.

# 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](#).

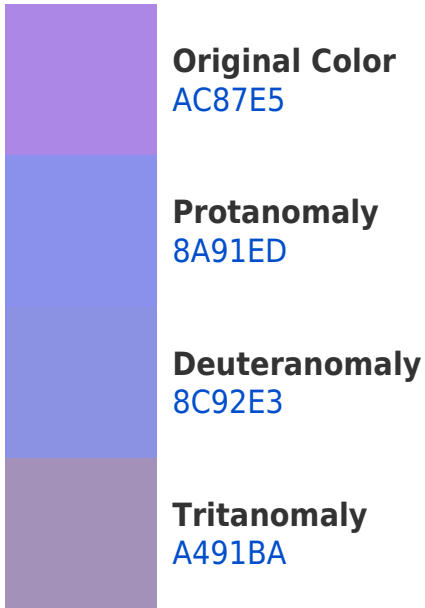
## Dichromacy



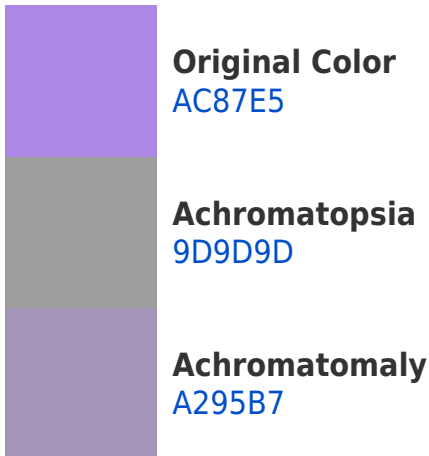


**Tritanopia**  
A096A1

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex AC87E5 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 #AC87E5 looks like.

```
.text, #text, p{  
    color:#AC87E5  
}
```

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 #AC87E5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #AC87E5
}
```

## Border

The CSS property to change the border of an element to Hex AC87E5 is called "border". The border property can be set on classes, ids or directly on the HTML element.

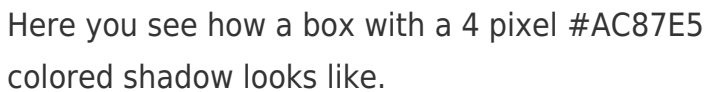
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#AC87E5 }
```

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

```
.border{ border-color:#AC87E5 }
```

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



Here you see how a box with a 4 pixel `#AC87E5` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #AC87E5; -webkit-box-shadow:4px 4px  
4px 4px #AC87E5; box-shadow:4px 4px 4px  
4px #AC87E5 }
```

# Background

The CSS property to change the background color of an element to Hex AC87E5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#AC87E5 }
```

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

```
.background{ background-color:#AC87E5 }
```

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