

# Converting Colors

Hex(AE76CD)

Have a look what the booklet for  
Hex(AE76CD) contains.

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# **Color**

**Hex(AE76CD)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AE76CD
RGB	174, 118, 205
RGB Percent	68%, 46%, 80%
CMY	0.3176, 0.5373, 0.1961
CMYK	0.15, 0.42, 0.00, 0.20
HSL	279°, 47%, 63%
HSV	279°, 42%, 80%
XYZ	34.9534, 26.3633, 61.0040
YIQ	144.6620, 5.4490, 38.9290

# Conversions

## Conversions Part 2

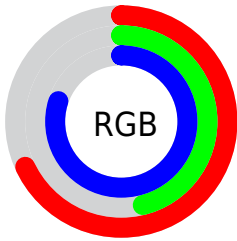
Format	Color
<a href="#">RYB</a>	<a href="#">174, 118, 205</a>
Decimal	<a href="#">11433677</a>
CIELab	<a href="#">58.38, 37.62, -36.64</a>
CIELCh	<a href="#">58, 52.511, 315.758</a>
Yxy	<a href="#">26.3633, 0.2858, 0.2155</a>
Android (android.graphics.Color)	<a href="#">4289623757</a> ( <a href="#">0xFFAE76CD</a> )
YUV	<a href="#">144.6620, 29.7466, 25.7294</a>
Hunter-Lab	<a href="#">51.3452, 31.6604, -34.5016</a>

# Details

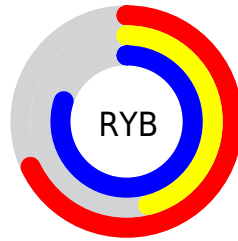
The Hex color **AE76CD** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **95CD76**, and the grayscale version is **909090**.

A 20% lighter version of the original color is **E7ABFF**, and **784496** is the 20% darker color. If you saturate the color by 10%, you get **A762CD**, and if you desaturate by 10%, it is **B58BCD**.

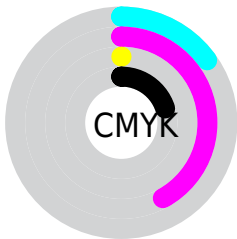
# Distribution



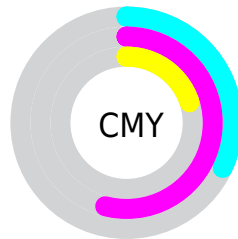
- Red (68%)
- Green (46%)
- Blue (80%)



- Red (68%)
- Yellow (46%)
- Blue (80%)



- Cyan (15%)
- Magenta (42%)
- Yellow (0%)
- Black (20%)



- Cyan (32%)
- Magenta (54%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Hex color AE76CD 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 AE76CD by changing the saturation by 10% instead.



 AE76CD

 AE76CD

FFFFFF

 935DB1

 E7ABFF

 784496

 FFC7FF

 5E2C7C

 FFE3FF

 441363

 2B004A

 170034

 00021D

 000000

 AE76CD

 AE76CD

 A762CD

 B58BCD

 9F4DCD

 BD9FCD

 9839CD

 C4B4CD

 9124CD

 CBC8CD

 8910CD

 D3DDCD

 8400CD

 DAF1CD

 E1FFCD

 E8FFCD

 F0FFCD

# Harmonies

## Analogous

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



6689E5



AE76CD



D566A4

# Triad

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



AE76CD



B8822F



00A3A4

# Complementary

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



AE76CD



95CD76

# 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.



00A174



AE76CD



8E922D

# Square

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



AE76CD



D5704C



599C49



00A0CD

# Rectangle

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



AE76CD



E06285



599C49



00A394



# Sweetspot

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



AE76CD



F3DEFF



7696CD



786B80



000000



808080



# Same Dimension

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



AE76CD



D17DFF



CD76C1



625C66



6B00A6



190026



# Inverse Universe

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



CD7695



FF7DAB



76CD82



665C5F



A6003B

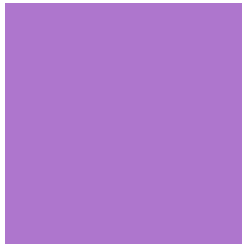


26000E



# Previews

## White Background



This preview shows how the Hex color AE76CD looks on a white background.

## Color Contrast Check

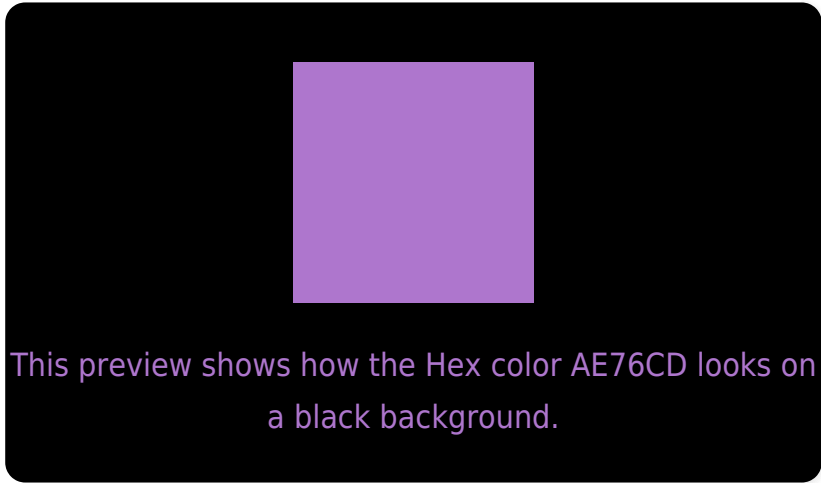
Large Text (above 18pt) WCAG AA ✓ Pass

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

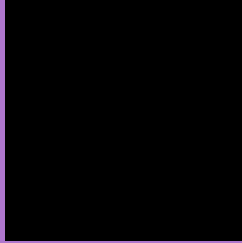
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex AE76CD Background



This preview shows how black text looks on a background with the Hex color AE76CD.

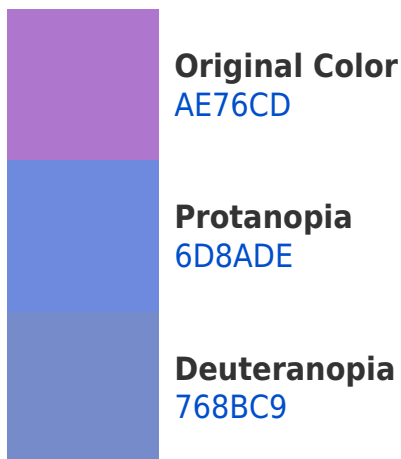


This preview shows how white text looks on a background with the Hex color AE76CD.

# 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](#).

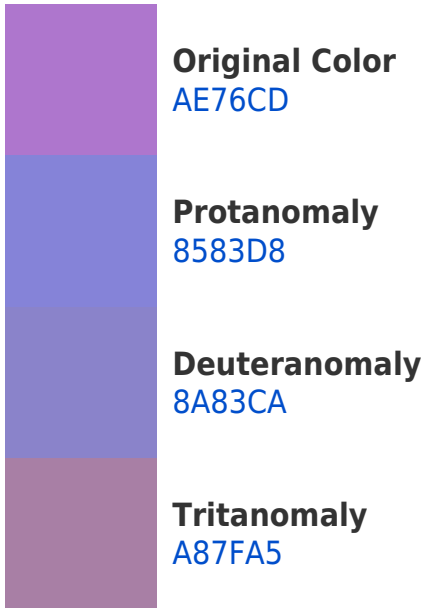
## Dichromacy



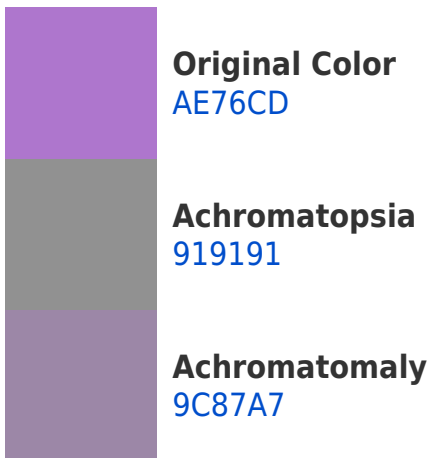


**Tritanopia**  
A4848E

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex AE76CD 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 #AE76CD looks like.

```
.text, #text, p{  
    color:#AE76CD  
}
```

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 #AE76CD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #AE76CD
}
```

## Border

The CSS property to change the border of an element to Hex AE76CD is called "border". The border property can be set on classes, ids or directly on the HTML element.

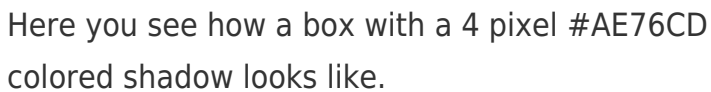
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#AE76CD }
```

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

```
.border{ border-color:#AE76CD }
```

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



Here you see how a box with a 4 pixel `#AE76CD` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #AE76CD; -webkit-box-shadow:4px 4px  
4px 4px #AE76CD; box-shadow:4px 4px 4px  
4px #AE76CD }
```

# Background

The CSS property to change the background color of an element to Hex AE76CD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#AE76CD }
```

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

```
.background{ background-color:#AE76CD }
```

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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