

# Converting Colors

Hex(AE7AE2)

Have a look what the booklet for  
Hex(AE7AE2) contains.

<b>Hex(AE7AE2)</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(AE7AE2)

# Conversions

## Conversions Part 1

Format	Color
Hex	AE7AE2
RGB	174, 122, 226
RGB Percent	68%, 48%, 89%
CMY	0.3176, 0.5216, 0.1137
CMYK	0.23, 0.46, 0.00, 0.11
HSL	270°, 64%, 68%
HSV	270°, 46%, 89%
XYZ	38.1426, 28.4087, 75.4246
YIQ	149.4040, -2.3920, 43.3680

# Conversions

## Conversions Part 2

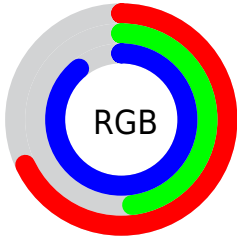
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">174, 122, 226</a>
Decimal	<a href="#">11434722</a>
CIELab	<a href="#">60.26, 40.11, -45.49</a>
CIELCh	<a href="#">60, 60.646, 311.407</a>
Yxy	<a href="#">28.4087, 0.2687, 0.2001</a>
Android (android.graphics.Color)	<a href="#">4289624802 (0xFFAE7AE2)</a>
YUV	<a href="#">149.4040, 37.7618, 21.5707</a>
Hunter-Lab	<a href="#">53.2998, 34.4639, -46.5914</a>

# Details

The Hex color **AE7AE2** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **AEE27A**, and the grayscale version is **959595**.

A 20% lighter version of the original color is **E7AFFE**, and **7748AA** is the 20% darker color. If you saturate the color by 10%, you get **A363E2**, and if you desaturate by 10%, it is **B991E2**.

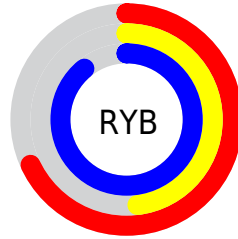
# Distribution



Red (68%)

Green (48%)

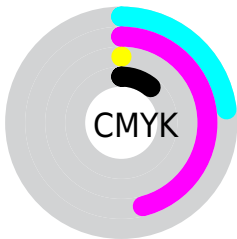
Blue (89%)



Red (68%)

Yellow (48%)

Blue (89%)

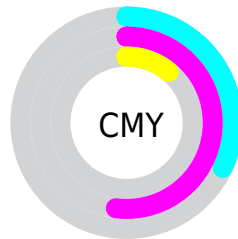


Cyan (23%)

Magenta (46%)

Yellow (0%)

Black (11%)



Cyan (32%)

Magenta (52%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Hex color AE7AE2 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 AE7AE2 by changing the saturation by 10% instead.



 AE7AE2

 AE7AE2

FFFFFF

 9260C6

 E7AFFF

 7748AA

 FFCBFF

 5C2F8F

 FFE8FF

 421775

 27005C

 110044

 00032C


 000117

 000000

 AE7AE2

 AE7AE2

 A363E2

 B991E2

 974DE2

 C5A7E2

 8C36E2

 D0BEE2

 8120E2

 DBD4E2

 7609E2

 E7EBE2

 7100E2

 F2FFE2

 FDFFE2

 FFFFE2

# Harmonies

## Analogous

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



4890FA



AE7AE2



E164B5

# Triad

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



AE7AE2



C88225



00ABA5

# Complementary

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



AE7AE2



AEE27A

# 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.



00A86D



AE7AE2



999518

# Square

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



AE7AE2



E76C4D



5EA23B



00A8D7

# Rectangle

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



AE7AE2



F05D91



5EA23B



00AA92



# Sweetspot

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



AE7AE2



EDDBFF



7AAEE2



756A80



000000



808080



# Same Dimension

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



AE7AE2



B973FF



E27AE2



6B6570



5800B0



180030



# Inverse Universe

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



E27AAE



FF73B9



7AE27A



70656B



B00058

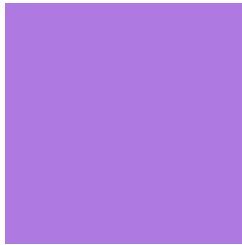


300018



# Previews

## White Background



This preview shows how the Hex color AE7AE2 looks on a white background.

## Color Contrast Check

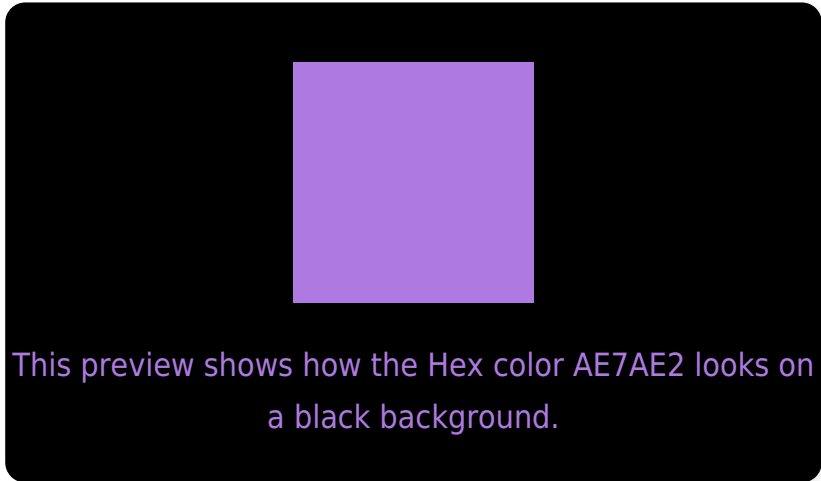
Large Text (above 18pt) WCAG AA ✓ Pass

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

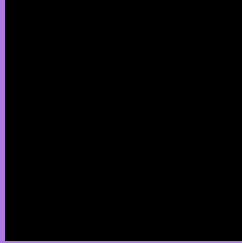
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex AE7AE2 Background



This preview shows how black text looks on a background with the Hex color AE7AE2.

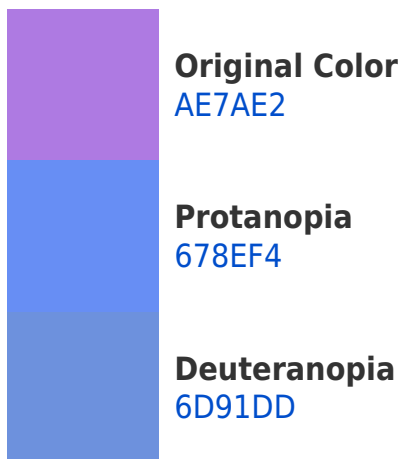


This preview shows how white text looks on a background with the Hex color AE7AE2.

# 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**  
A18B96

# Trichromacy



**Original Color**  
AE7AE2



**Protanomaly**  
8187ED



**Deuteranomaly**  
8589DF



**Tritanomaly**  
A685B2

# Monochromacy



**Original Color**  
AE7AE2



**Achromatopsia**  
959595



**Achromatomaly**  
9E8BB1

# CSS Examples

## Text

The CSS property to change the color of the text to Hex AE7AE2 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 #AE7AE2 looks like.

```
.text, #text, p{  
    color:#AE7AE2  
}
```

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 #AE7AE2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #AE7AE2
}
```

## Border

The CSS property to change the border of an element to Hex AE7AE2 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
#AE7AE2 }
```

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

```
.border{ border-color:#AE7AE2 }
```

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

Here you see how a box with a 4 pixel #AE7AE2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #AE7AE2; -webkit-box-shadow:4px 4px  
4px 4px #AE7AE2; box-shadow:4px 4px 4px  
4px #AE7AE2 }
```

# Background

The CSS property to change the background color of an element to Hex AE7AE2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#AE7AE2 }
```

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

```
.background{ background-color:#AE7AE2 }
```

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