

# Converting Colors

Hex(AA1E7F)

Have a look what the booklet for  
Hex(AA1E7F) contains.

<b>Hex(AA1E7F)</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(AA1E7F)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AA1E7F
RGB	170, 30, 127
RGB Percent	67%, 12%, 50%
CMY	0.3333, 0.8824, 0.5020
CMYK	0.00, 0.82, 0.25, 0.33
HSL	318°, 70%, 39%
HSV	318°, 82%, 67%
XYZ	20.8726, 11.0069, 21.1031
YIQ	82.9180, 52.3030, 59.8470

# Conversions

## Conversions Part 2

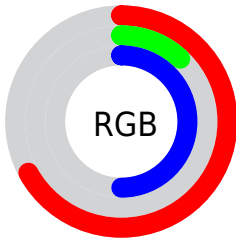
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	170, 30, 127
Decimal	11148927
CIE <sub>Lab</sub>	39.59, 62.04, -19.89
CIE <sub>LCh</sub>	40, 65.149, 342.220
Yxy	11.0069, 0.3940, 0.2077
Android (android.graphics.Color)	4289339007 (0xFFAA1E7F)
YUV	82.9180, 21.7324, 76.3709
Hunter-Lab	33.1766, 54.2415, -14.4897

# Details

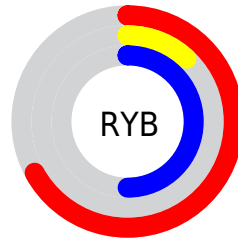
The Hex color **AA1E7F** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **1EAA49**, and the grayscale version is **535353**.

A 20% lighter version of the original color is **E55DB4**, and **71004E** is the 20% darker color. If you saturate the color by 10%, you get **AA0D7A**, and if you desaturate by 10%, it is **AA2F84**.

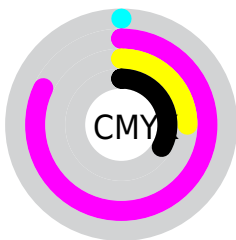
# Distribution



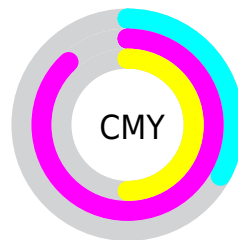
- Red (67%)
- Green (12%)
- Blue (50%)



- Red (67%)
- Yellow (12%)
- Blue (50%)



- Cyan (0%)
- Magenta (82%)
- Yellow (25%)
- Black (33%)



- Cyan (33%)
- Magenta (88%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Hex color AA1E7F 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 AA1E7F by changing the saturation by 10% instead.



■ AA1E7F

■ AA1E7F

FFFFFF

■ 8D0066

■ E55DB4

■ 71004E

■ FF79D0

■ 550037

■ FF95EC

■ 3D0022

■ FFB1FF

■ 1E0006

■ FFCEFF

■ 000000

■ FFECFF

■ AA1E7F

■ AA1E7F

■ AA0D7A

■ AA2F84

■ AA0076

■ AA4089

■ AA518F

■ AA6294

■ AA7399

■ AA849E

■ AA95A4

■ AAA6A9

■ AAB7AE

# Harmonies

## Analogous

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



7843AD



AA1E7F



B80D4A

# Triad

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



AA1E7F



5E6200



0073A4

# Complementary

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



AA1E7F



1EAA49

# 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.



007472



AA1E7F



176D00

# Square

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



AA1E7F



8B4F00



00723A



006CC3

# Rectangle

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



AA1E7F



B22628



00723A



007395



# Sweetspot

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



AA1E7F



DEA6CD



481EAA



704F66



F0F0F0



707070



# Same Dimension

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



AA1E7F



DE029A



AA1E3A



544C52



940066



14000E



# Inverse Universe

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



AA1E7F



DE029A



1EAA8E



544C52



940066



14000E



# Previews

## White Background



This preview shows how the Hex color AA1E7F looks on a white background.

## Color Contrast Check

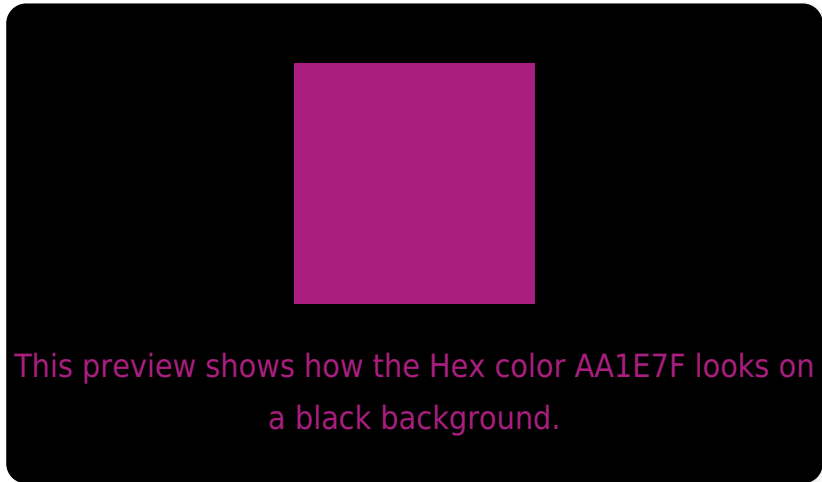
Large Text (above 18pt) WCAG AA ✓ Pass

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 AA1E7F Background



This preview shows how black text looks on a background with the Hex color AA1E7F.

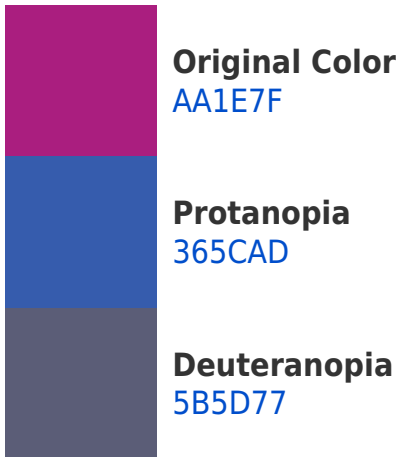


This preview shows how white text looks on a background with the Hex color AA1E7F.

# 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](#).

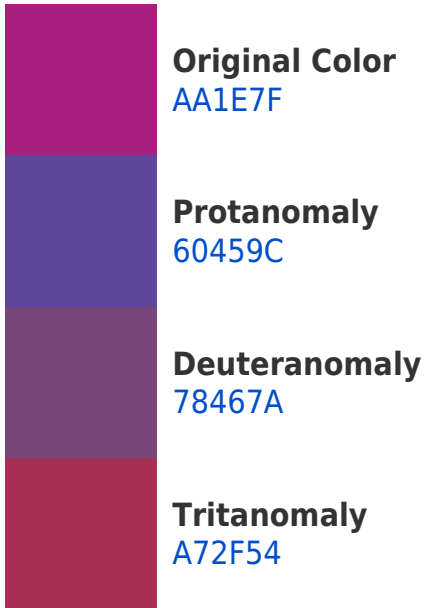
## Dichromacy



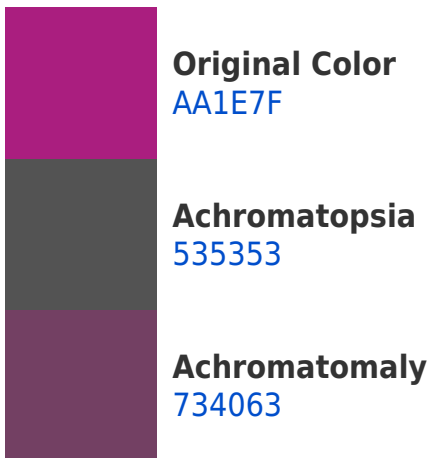


**Tritanopia**  
A5383B

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex AA1E7F 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 #AA1E7F looks like.

```
.text, #text, p{  
    color:#AA1E7F  
}
```

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 #AA1E7F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #AA1E7F
}
```

## Border

The CSS property to change the border of an element to Hex AA1E7F 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
#AA1E7F }
```

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

```
.border{ border-color:#AA1E7F }
```

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

Here you see how a box with a 4 pixel #AA1E7F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #AA1E7F; -webkit-box-shadow:4px 4px  
4px 4px #AA1E7F; box-shadow:4px 4px 4px  
4px #AA1E7F }
```

# Background

The CSS property to change the background color of an element to Hex AA1E7F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#AA1E7F }
```

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

```
.background{ background-color:#AA1E7F }
```

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