

# Converting Colors

Hex(AE0EF7)

Have a look what the booklet for  
Hex(AE0EF7) contains.

<b>Hex(AE0EF7)</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(AE0EF7)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AE0EF7
RGB	174, 14, 247
RGB Percent	68%, 5%, 97%
CMY	0.3176, 0.9451, 0.0314
CMYK	0.30, 0.94, 0.00, 0.03
HSL	281°, 94%, 51%
HSV	281°, 94%, 97%
XYZ	34.4011, 16.0281, 89.2763
YIQ	88.4020, 20.5670, 106.3830

# Conversions

## Conversions Part 2

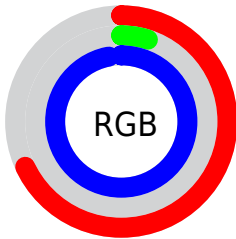
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	174, 14, 247
Decimal	11407095
CIE <sub>Lab</sub>	47.01, 84.73, -78.55
CIE <sub>LCh</sub>	47, 115.537, 317.165
Yxy	16.0281, 0.2462, 0.1147
Android (android.graphics.Color)	4289597175 (0xFFAE0EF7)
YUV	88.4020, 78.1888, 75.0694
Hunter-Lab	40.0352, 83.3185, -104.1889

# Details

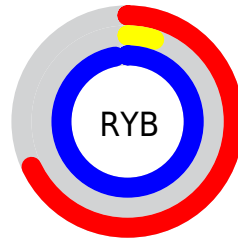
The Hex color **AE0EF7** is a dark color, and the websafe version is hex **CC00FF**. The color can be described as middle saturated purple. A complement of this color would be **57F70E**, and the grayscale version is **585858**.

A 20% lighter version of the original color is **EB5DFF**, and **7100BD** is the 20% darker color. If you saturate the color by 10%, you get **AA00F7**, and if you desaturate by 10%, it is **B627F7**.

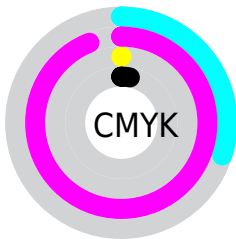
# Distribution



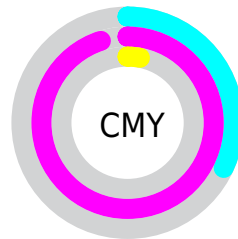
- Red (68%)
- Green (5%)
- Blue (97%)



- Red (68%)
- Yellow (5%)
- Blue (97%)



- Cyan (30%)
- Magenta (94%)
- Yellow (0%)
- Black (3%)



- Cyan (32%)
- Magenta (95%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Hex color AE0EF7 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 AE0EF7 by changing the saturation by 10% instead.




 AE0EF7

 AE0EF7

FFFFFF

 9000DA

 EB5DFF

 7100BD

 FF7CFF

 5200A1

 FF99FF

 300086

 FFB7FF

 00006C

 FFD5FF

 000052

 FFF3FF

 000053A

 000223

 00000B

 AE0EF7

 AE0EF7

 AA00F7

 B627F7

 BD3FF7

 C558F7

 CD71F7

 D58AF7

 DCA2F7

 E4BBF7

 ECD4F7

 F4ECF7

# Harmonies

## Analogous

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



006CFF



AE0EF7



FE009E

# Triad

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



AE0EF7



AA5C00



0092A7

# Complementary

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



AE0EF7



57F70E

# 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.



008F40



AE0EF7



527C00

# Square

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



AE0EF7



E90000



008A00



0092FF

# Rectangle

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



AE0EF7



FF005E



008A00



009186



# Sweetspot

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



AE0EF7



E9B8FF



0E58F7



725480



000000



808080



# Same Dimension

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



AE0EF7



AF00FF



F70ECC



776E7A



8000BA



28003B



# Inverse Universe

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



F70E57



FF0050



0EF739



7A6E72



BA003A



3B0012



# Previews

## White Background



This preview shows how the Hex color AE0EF7 looks on a white background.

## Color Contrast Check

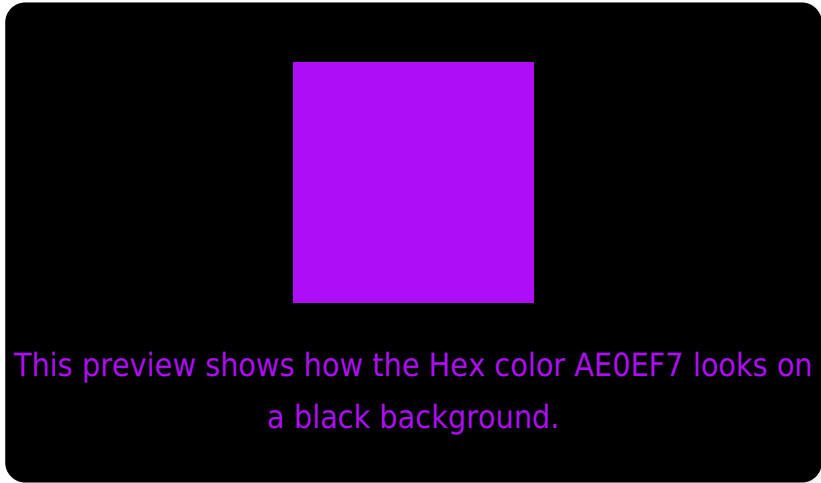
Large Text (above 18pt) WCAG AA ✓ Pass

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

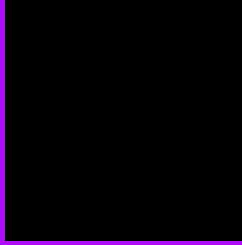
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex AE0EF7 Background



This preview shows how black text looks on a background with the Hex color AE0EF7.

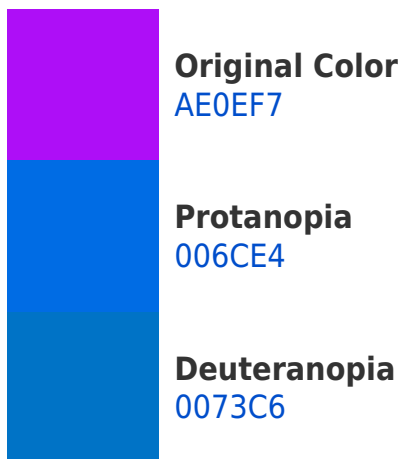


This preview shows how white text looks on a background with the Hex color AE0EF7.

# 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**  
966168

# Trichromacy



**Original Color**  
AE0EF7



**Protanomaly**  
3F4AEB



**Deuteranomaly**  
3F4ED8



**Tritanomaly**  
9F439C

# Monochromacy



**Original Color**  
AE0EF7



**Achromatopsia**  
585858



**Achromatomaly**  
773D92

# CSS Examples

## Text

The CSS property to change the color of the text to Hex AE0EF7 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 #AE0EF7 looks like.

```
.text, #text, p{  
    color:#AE0EF7  
}
```

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 #AE0EF7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #AE0EF7
}
```

## Border

The CSS property to change the border of an element to Hex AE0EF7 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
#AE0EF7 }
```

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

```
.border{ border-color:#AE0EF7 }
```

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

Here you see how a box with a 4 pixel #AE0EF7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #AE0EF7; -webkit-box-shadow:4px 4px  
4px 4px #AE0EF7; box-shadow:4px 4px 4px  
4px #AE0EF7 }
```

# Background

The CSS property to change the background color of an element to Hex AE0EF7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#AE0EF7 }
```

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

```
.background{ background-color:#AE0EF7 }
```

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**