

# Converting Colors

Hex(AE46E8)

Have a look what the booklet for  
Hex(AE46E8) contains.

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**Color**

**Hex(AE46E8)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AE46E8
RGB	174, 70, 232
RGB Percent	68%, 27%, 91%
CMY	0.3176, 0.7255, 0.0902
CMYK	0.25, 0.70, 0.00, 0.09
HSL	279°, 78%, 59%
HSV	279°, 70%, 91%
XYZ	34.2112, 19.2052, 78.2478
YIQ	119.5640, 9.9820, 72.4300

# Conversions

## Conversions Part 2

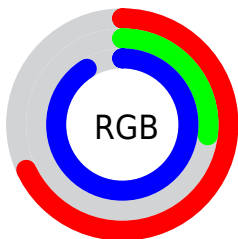
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 70, 232
Decimal	11421416
CIELab	50.93, 67.19, -63.75
CIELCh	51, 92.625, 316.505
Yxy	19.2052, 0.2598, 0.1459
Android (android.graphics.Color)	4289611496 (0xFFAE46E8)
YUV	119.5640, 55.4309, 47.7404
Hunter-Lab	43.8237, 62.6554, -75.1864

# Details

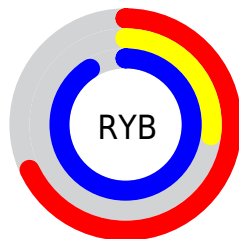
The Hex color **AE46E8** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **80E846**, and the grayscale version is **777777**.

A 20% lighter version of the original color is **E97EFF**, and **7400AF** is the 20% darker color. If you saturate the color by 10%, you get **A62FE8**, and if you desaturate by 10%, it is **B65DE8**.

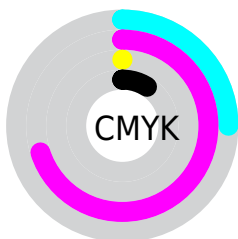
# Distribution



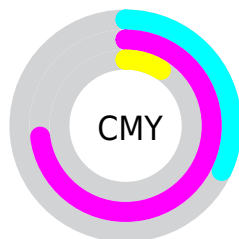
- Red (68%)
- Green (27%)
- Blue (91%)



- Red (68%)
- Yellow (27%)
- Blue (91%)



- Cyan (25%)
- Magenta (70%)
- Yellow (0%)
- Black (9%)



- Cyan (32%)
- Magenta (73%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Hex color AE46E8 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 AE46E8 by changing the saturation by 10% instead.



 AE46E8

 AE46E8

FFFFFF

 9127CB

 E97EFF

 7400AF

 FF9AFF

 570094

 FFB6FF

 3A0079

 FFD3FF

 1C0060

 FFF1FF

 000047

 00042F

 00011A

 000000

 AE46E8

 AE46E8

 A62FE8

 B65DE8

 9D18E8

 BF74E8

 9500E8

 C78CE8

 CFA3E8

 D8BAE8

 E0D1E8

 E8E8E8

 F0FFE8

 F9FFE8

# Harmonies

## Analogous

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



0075FF



AE46E8



EF00A0

# Triad

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



AE46E8



B16900



0099A4

# Complementary

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



AE46E8



80E846

# 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.



009751



AE46E8



6C8300

# Square

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



AE46E8



E43800



009100



0097EC

# Rectangle

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



AE46E8



FD006C



009100



009889



# Sweetspot

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



AE46E8



ECC9FF



4681E8



746080



000000



808080



# Same Dimension

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



AE46E8



B229FF



E846D2



6F6773



7300B3



210033



# Inverse Universe

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



E84680



FF2975



46E85C



73676B



B30040

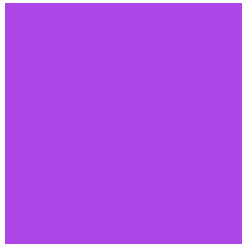


330012



# Previews

## White Background



This preview shows how the Hex color AE46E8 looks on a white background.

## Color Contrast Check

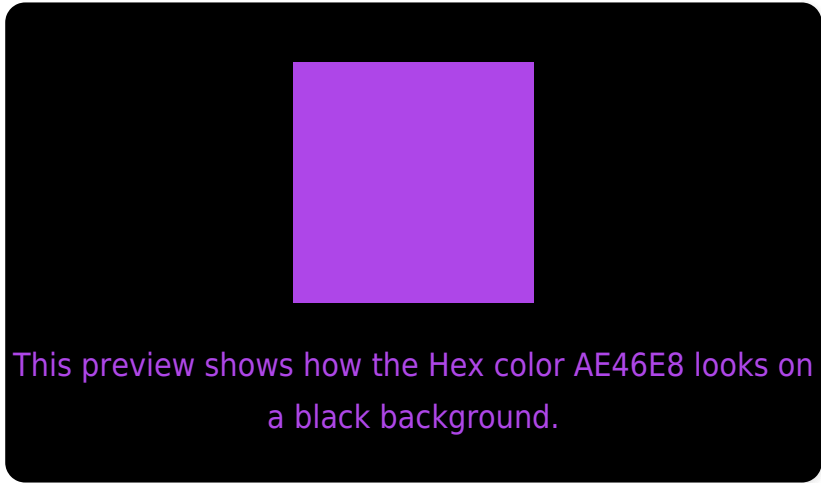
Large Text (above 18pt) WCAG AA ✓ Pass

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

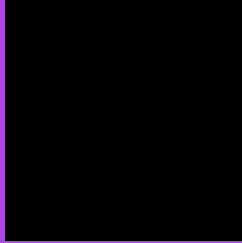
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex AE46E8 Background



This preview shows how black text looks on a background with the Hex color AE46E8.

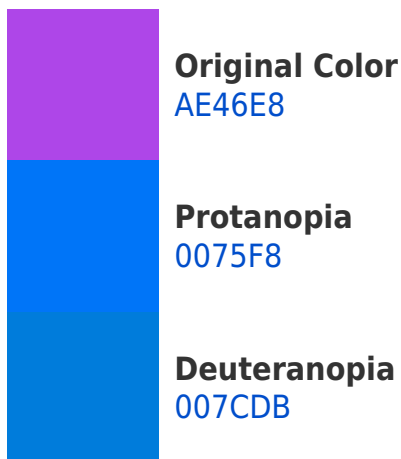


This preview shows how white text looks on a background with the Hex color AE46E8.

# 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](#).

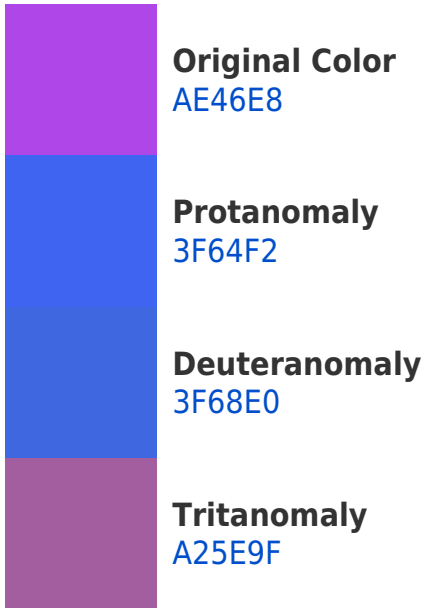
## Dichromacy





**Tritanopia**  
9B6C75

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex AE46E8 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 #AE46E8 looks like.

```
.text, #text, p{  
    color:#AE46E8  
}
```

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 #AE46E8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #AE46E8
}
```

## Border

The CSS property to change the border of an element to Hex AE46E8 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
#AE46E8 }
```

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

```
.border{ border-color:#AE46E8 }
```

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

Here you see how a box with a 4 pixel #AE46E8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #AE46E8; -webkit-box-shadow:4px 4px  
4px 4px #AE46E8; box-shadow:4px 4px 4px  
4px #AE46E8 }
```

# Background

The CSS property to change the background color of an element to Hex AE46E8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#AE46E8 }
```

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

```
.background{ background-color:#AE46E8 }
```

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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