

# Converting Colors

Hex(AC1FAF)

Have a look what the booklet for  
Hex(AC1FAF) contains.

<b>Hex(AC1FAF)</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(AC1FAF)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AC1FAF
RGB	172, 31, 175
RGB Percent	67%, 12%, 69%
CMY	0.3255, 0.8784, 0.3137
CMYK	0.02, 0.82, 0.00, 0.31
HSL	299°, 70%, 40%
HSV	299°, 82%, 69%
XYZ	25.2411, 12.8458, 41.7066
YIQ	89.5750, 37.8120, 74.6760

# Conversions

## Conversions Part 2

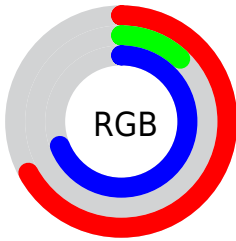
<b>Format</b>	<b>Color</b>
<b>RYB</b>	172, 31, 175
Decimal	11280303
CIELab	42.53, 69.10, -44.33
CIELCh	43, 82.101, 327.316
Yxy	12.8458, 0.3163, 0.1610
Android (android.graphics.Color)	4289470383 (0xFFAC1FAF)
YUV	89.5750, 42.1145, 72.2867
Hunter-Lab	35.8410, 62.9873, -43.9044

# Details

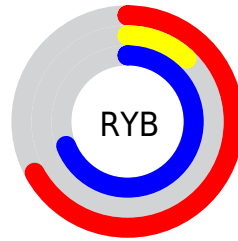
The Hex color **AC1FAF** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **22AF1F**, and the grayscale version is **595959**.

A 20% lighter version of the original color is **E760E7**, and **73007A** is the 20% darker color. If you saturate the color by 10%, you get **AC0EAF**, and if you desaturate by 10%, it is **AC31AF**.

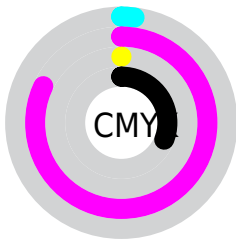
# Distribution



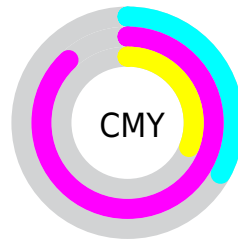
- Red (67%)
- Green (12%)
- Blue (69%)



- Red (67%)
- Yellow (12%)
- Blue (69%)



- Cyan (2%)
- Magenta (82%)
- Yellow (0%)
- Black (31%)



- Cyan (33%)
- Magenta (88%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Hex color AC1FAF 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 AC1FAF by changing the saturation by 10% instead.



 AC1FAF

 AC1FAF

FFFFFF

 8F0094

 E760E7

 73007A

 FF7CFF

 570060

 FF99FF

 3D0048

 FFB6FF

 210030

 FFD3FF

 00011A

 FFF1FF

 000000

 AC1FAF

 AC1FAF

 AC0EAF

 AC31AF

 AB00AF

 AD42AF

 AD54AF

 AD65AF

 AE77AF

 AE88AF

 AF9AAF

 AFABAF

 AFBDAF

# Harmonies

## Analogous

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



3D55DF



AC1FAF



D2006E

# Triad

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



AC1FAF



806000



007FA2

# Complementary

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



AC1FAF



22AF1F

# 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.



007E5C



AC1FAF



3D7200

# Square

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



AC1FAF



B23E00



007B08



007CD8

# Rectangle

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



AC1FAF



D50041



007B08



007F8B



# Sweetspot

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



AC1FAF



E2AAE3



1F24AF



725073



F2F2F2



737373



# Same Dimension

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



AC1FAF



DE02E3



AF1F6C



574E57



930096



160017



# Inverse Universe

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



AF1F22



E30207



1FAF62



574E4E



960003



170000



# Previews

## White Background



This preview shows how the Hex color AC1FAF looks on a white background.

## Color Contrast Check

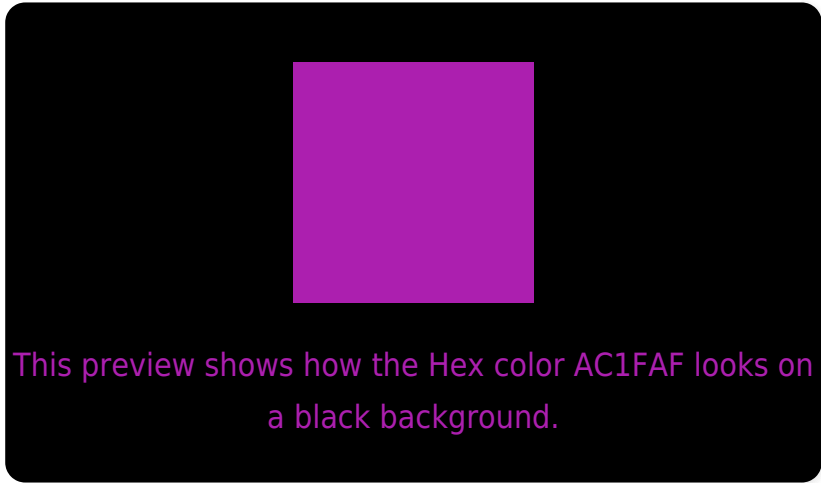
Large Text (above 18pt) WCAG AA ✓ Pass

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

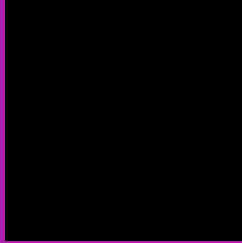
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex AC1FAF Background



This preview shows how black text looks on a background with the Hex color AC1FAF.

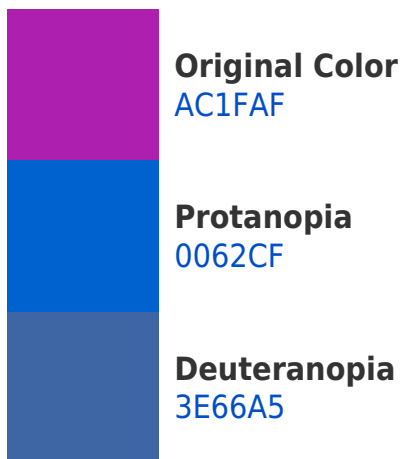



This preview shows how white text looks on a background with the Hex color AC1FAF.

# 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**  
A1494E

# Trichromacy



**Original Color**  
AC1FAF



**Protanomaly**  
3F4AC3



**Deuteranomaly**  
664CA9



**Tritanomaly**  
A53A71

# Monochromacy



**Original Color**  
AC1FAF



**Achromatopsia**  
5A5A5A



**Achromatomaly**  
784579

# CSS Examples

## Text

The CSS property to change the color of the text to Hex AC1FAF 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 #AC1FAF looks like.

```
.text, #text, p{  
    color:#AC1FAF  
}
```

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 #AC1FAF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #AC1FAF
}
```

## Border

The CSS property to change the border of an element to Hex AC1FAF is called "border". The border property can be set on classes, ids or directly on the HTML element.

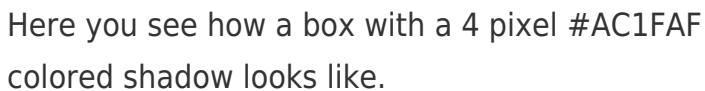
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#AC1FAF }
```

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

```
.border{ border-color:#AC1FAF }
```

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



Here you see how a box with a 4 pixel `#AC1FAF` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #AC1FAF; -webkit-box-shadow:4px 4px  
4px 4px #AC1FAF; box-shadow:4px 4px 4px  
4px #AC1FAF }
```

# Background

The CSS property to change the background color of an element to Hex AC1FAF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#AC1FAF }
```

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

```
.background{ background-color:#AC1FAF }
```

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