

# Converting Colors

Hex(AC2A7E)

Have a look what the booklet for  
Hex(AC2A7E) contains.

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# Color

**Hex(AC2A7E)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AC2A7E
RGB	172, 42, 126
RGB Percent	67%, 16%, 49%
CMY	0.3255, 0.8353, 0.5059
CMYK	0.00, 0.76, 0.27, 0.33
HSL	321°, 61%, 42%
HSV	321°, 76%, 67%
XYZ	21.6071, 11.9329, 20.9031
YIQ	90.4460, 50.5160, 53.6840

# Conversions

## Conversions Part 2

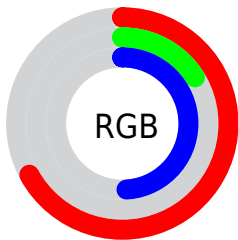
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	172, 42, 126
Decimal	11283070
CIE <sub>Lab</sub>	41.11, 59.00, -16.91
CIE <sub>LCh</sub>	41, 61.372, 344.005
Yxy	11.9329, 0.3969, 0.2192
Android (android.graphics.Color)	4289473150 (0xFFAC2A7E)
YUV	90.4460, 17.5281, 71.5229
Hunter-Lab	34.5441, 51.1985, -11.6964

# Details

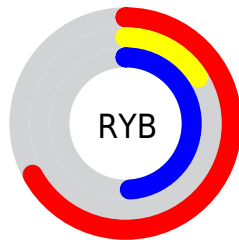
The Hex color **AC2A7E** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **2AAC58**, and the grayscale version is **5A5A5A**.

A 20% lighter version of the original color is **E764B3**, and **73004D** is the 20% darker color. If you saturate the color by 10%, you get **AC1978**, and if you desaturate by 10%, it is **AC3B84**.

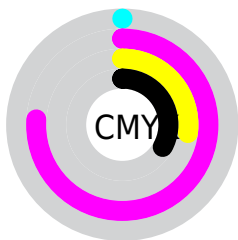
# Distribution



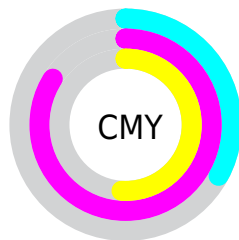
- Red (67%)
- Green (16%)
- Blue (49%)



- Red (67%)
- Yellow (16%)
- Blue (49%)



- Cyan (0%)
- Magenta (76%)
- Yellow (27%)
- Black (33%)



- Cyan (33%)
- Magenta (84%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the Hex color AC2A7E 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 AC2A7E by changing the saturation by 10% instead.



 AC2A7E

 AC2A7E

FFFFFF

 8F0065

 E764B3

 73004D

 FF80CE

 580036

 FF9CEB

 3F0021

 FFB9FF

 220005

 FFD6FF

 000000

 FFF3FF

 AC2A7E

 AC2A7E

 AC1978

 AC3B84

■ AC0872

■ AC4C8A

■ AC006F

■ AC5E90

■ AC6F96

■ AC809C

■ AC91A3

■ ACA2A9

■ ACB4AF

■ ACC5B5

# Harmonies

## Analogous

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



7F47AA



AC2A7E



B8234C

# Triad

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



AC2A7E



606600



0075A6

# Complementary

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



AC2A7E



2AAC58

# 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.



007778



AC2A7E



1F7008

# Square

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



AC2A7E



8C5500



007543



006EC2

# Rectangle

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



AC2A7E



B2322C



007543



007698



# Sweetspot

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



AC2A7E



E0ADCE



572AAC



705165



F0F0F0



707070



# Same Dimension

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



AC2A7E



E01498



AC2A3E



574E54



960061



17000F



# Inverse Universe

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



AC2A7E



E01498



2AAC98



574E54



960061



17000F



# Previews

## White Background



This preview shows how the Hex color AC2A7E looks on a white background.

## Color Contrast Check

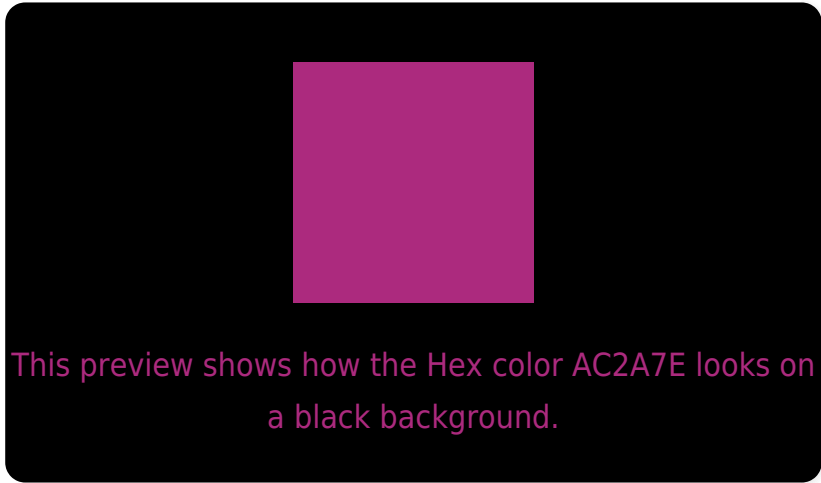
Large Text (above 18pt) WCAG AA ✓ Pass

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 AC2A7E Background



This preview shows how black text looks on a background with the Hex color AC2A7E.

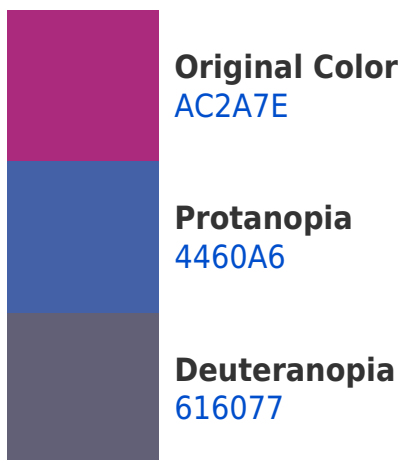


This preview shows how white text looks on a background with the Hex color AC2A7E.

# 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**  
A73D41

# Trichromacy



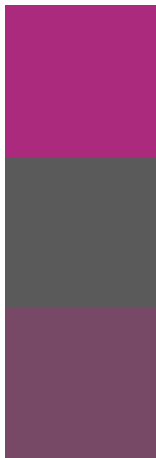
**Original Color**  
AC2A7E

**Protanomaly**  
6A4C97

**Deuteranomaly**  
7C4C7A

**Tritanomaly**  
A93657

# Monochromacy



**Original Color**  
AC2A7E

**Achromatopsia**  
5A5A5A

**Achromatomaly**  
784967

# CSS Examples

## Text

The CSS property to change the color of the text to Hex AC2A7E 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 #AC2A7E looks like.

```
.text, #text, p{  
    color:#AC2A7E  
}
```

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 #AC2A7E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #AC2A7E
}
```

## Border

The CSS property to change the border of an element to Hex AC2A7E 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
#AC2A7E }
```

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

```
.border{ border-color:#AC2A7E }
```

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

Here you see how a box with a 4 pixel #AC2A7E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #AC2A7E; -webkit-box-shadow:4px 4px  
4px 4px #AC2A7E; box-shadow:4px 4px 4px  
4px #AC2A7E }
```

# Background

The CSS property to change the background color of an element to Hex AC2A7E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#AC2A7E }
```

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

```
.background{ background-color:#AC2A7E }
```

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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