

# Converting Colors

Hex(AA80AA)

Have a look what the booklet for  
Hex(AA80AA) contains.

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# Color

**Hex(AA80AA)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AA80AA
RGB	170, 128, 170
RGB Percent	67%, 50%, 67%
CMY	0.3333, 0.4980, 0.3333
CMYK	0.00, 0.25, 0.00, 0.33
HSL	300°, 20%, 58%
HSV	300°, 25%, 67%
XYZ	31.5524, 26.8867, 41.5569
YIQ	145.3460, 11.5500, 21.9660

# Conversions

## Conversions Part 2

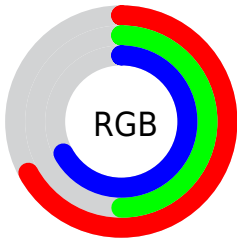
Format	Color
<a href="#">RYB</a>	<a href="#">170, 128, 170</a>
Decimal	<a href="#">11174058</a>
CIELab	<a href="#">58.87, 23.49, -15.99</a>
CIElCh	<a href="#">59, 28.419, 325.761</a>
Yxy	<a href="#">26.8867, 0.3155, 0.2689</a>
Android (android.graphics.Color)	<a href="#">4289364138 (0xFFAA80AA)</a>
YUV	<a href="#">145.3460, 12.1544, 21.6216</a>
Hunter-Lab	<a href="#">51.8524, 17.8766, -11.2211</a>

# Details

The Hex color **AA80AA** is a light color, and the websafe version is hex **996699**. A complement of this color would be **80AA80**, and the grayscale version is **919191**.

A 20% lighter version of the original color is **E2B5E1**, and **754E76** is the 20% darker color. If you saturate the color by 10%, you get **AA6FAA**, and if you desaturate by 10%, it is **AA91AA**.

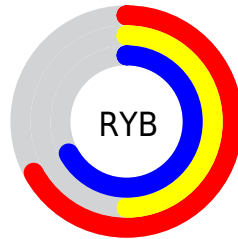
# Distribution



Red (67%)

Green (50%)

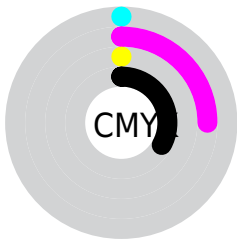
Blue (67%)



Red (67%)

Yellow (50%)

Blue (67%)

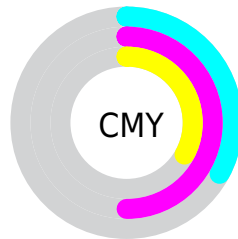


Cyan (0%)

Magenta (25%)

Yellow (0%)

Black (33%)



Cyan (33%)

Magenta (50%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Hex color AA80AA 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 AA80AA by changing the saturation by 10% instead.



■ AA80AA

■ AA80AA

FFFFFF

■ 8F678F

■ E2B5E1

■ 754E76

■ FFD1FE

■ 5C375D

■ FFEDFF

■ 442045

■ 2D0B2F

■ 19001A

■ 000000

■ AA80AA

■ AA80AA

■ AA6FAA

■ AA91AA

■ AA5EAA

■ AAA2AA

■ AA4DAA

■ AAB3AA

■ AA3CAA

■ AAC4AA

■ AA2BAA

■ AAD5AA

■ AA1AAA

■ AAE6AA

■ AA09AA

■ AAF7AA

■ AA00AA

■ AAFFAA

# Harmonies

## Analogous

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



8C88BA



AA80AA



BB7B92

# Triad

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



AA80AA



A28B5C



399BA2

# Complementary

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



AA80AA



80AA80

# 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.



4E9B89



AA80AA



889360

# Square

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



AA80AA



B58265



6C9871



4398B6

# Rectangle

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



AA80AA



BF7B81



6C9871



3E9B9A



# Sweetspot

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



AA80AA



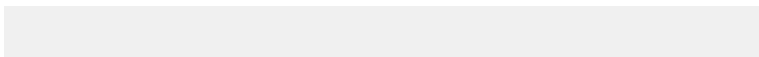
DECEDE



8080AA



706770



F0F0F0



707070



# Same Dimension

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



AA80AA



DE9BDE



AA8095



544C54



940094



140014



# Inverse Universe

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



AA80AA



DE9BDE



80AA95



544C54



940094

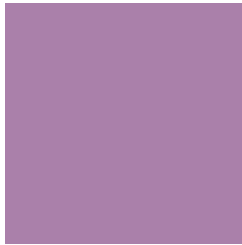


140014



# Previews

## White Background



This preview shows how the Hex color AA80AA looks on a white background.

## Color Contrast Check

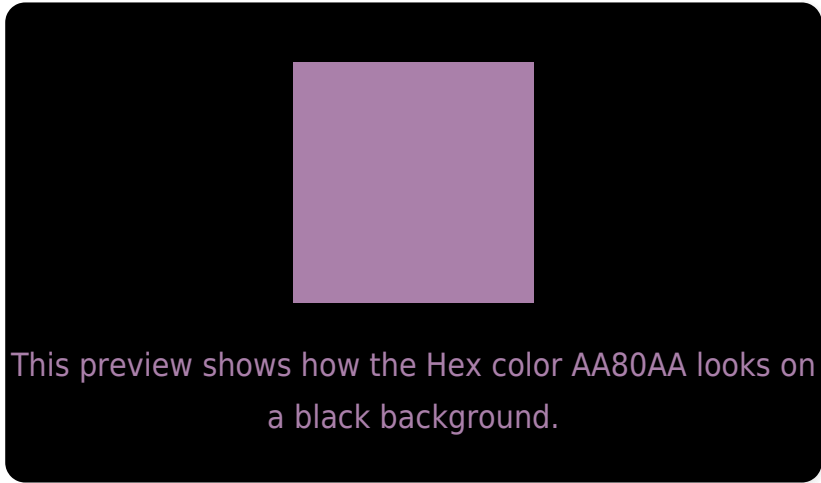
Large Text (above 18pt) WCAG AA ✓ Pass

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

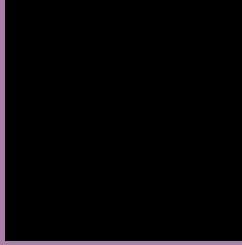
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex AA80AA Background



This preview shows how black text looks on a background with the Hex color AA80AA.

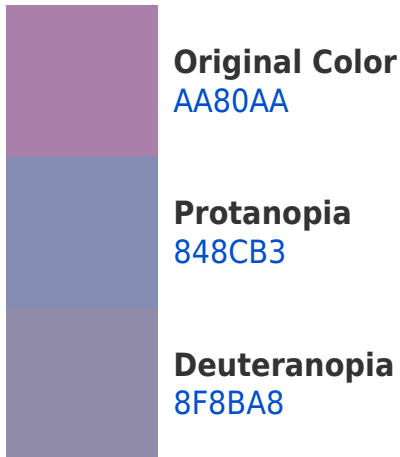



This preview shows how white text looks on a background with the Hex color AA80AA.

# 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](#).

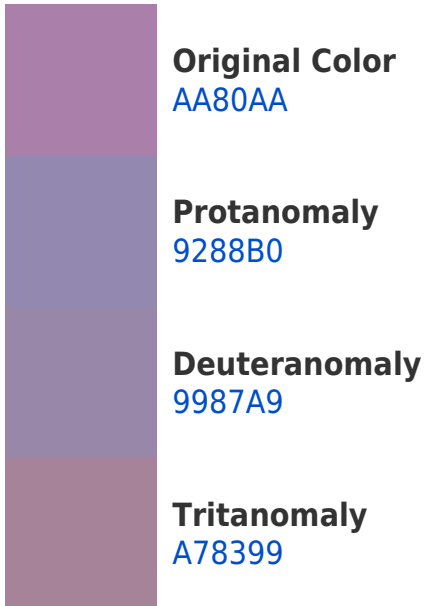
## Dichromacy



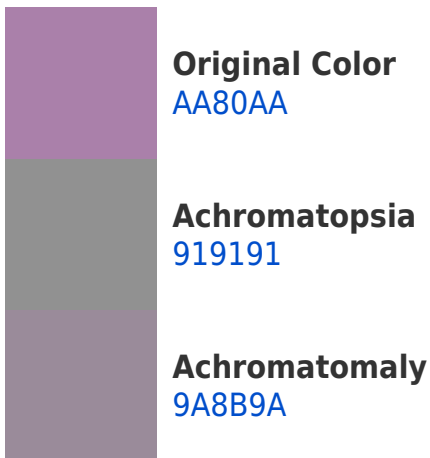


**Tritanopia**  
A6858F

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex AA80AA 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 #AA80AA looks like.

```
.text, #text, p{  
    color:#AA80AA  
}
```

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 #AA80AA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #AA80AA
}
```

## Border

The CSS property to change the border of an element to Hex AA80AA 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
#AA80AA }
```

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

```
.border{ border-color:#AA80AA }
```

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

Here you see how a box with a 4 pixel #AA80AA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #AA80AA; -webkit-box-shadow:4px 4px  
4px 4px #AA80AA; box-shadow:4px 4px 4px  
4px #AA80AA }
```

# Background

The CSS property to change the background color of an element to Hex AA80AA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#AA80AA }
```

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

```
.background{ background-color:#AA80AA }
```

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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