

# Converting Colors

Hex(AA80D0)

Have a look what the booklet for  
Hex(AA80D0) contains.

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# **Color**

**Hex(AA80D0)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | AA80D0                     |
| RGB         | 170, 128, 208              |
| RGB Percent | 67%, 50%, 82%              |
| CMY         | 0.3333, 0.4980, 0.1843     |
| CMYK        | 0.18, 0.38, 0.00, 0.18     |
| HSL         | 272°, 46%, 66%             |
| HSV         | 272°, 38%, 82%             |
| XYZ         | 35.6819, 28.5385, 63.3023  |
| YIQ         | 149.6780, -0.6480, 33.7840 |

# Conversions

## Conversions Part 2

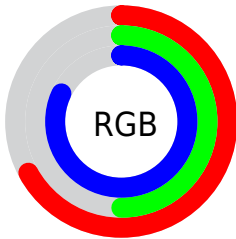
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>RYB</b>                          | 170, 128, 208                 |
| Decimal                             | 11174096                      |
| CIELab                              | 60.37, 31.50, -35.25          |
| CIELCh                              | 60, 47.275, 311.791           |
| Yxy                                 | 28.5385, 0.2798,<br>0.2238    |
| Android<br>(android.graphics.Color) | 4289364176<br>(0xFFAA80D0)    |
| YUV                                 | 149.6780, 28.7527,<br>17.8224 |
| Hunter-Lab                          | 53.4214, 25.7386,<br>-32.8614 |

# Details

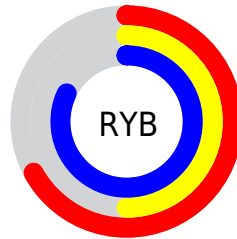
The Hex color **AA80D0** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **A6D080**, and the grayscale version is **959595**.

A 20% lighter version of the original color is **E2B5FF**, and **744E99** is the 20% darker color. If you saturate the color by 10%, you get **A06BD0**, and if you desaturate by 10%, it is **B495D0**.

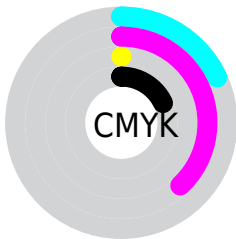
# Distribution



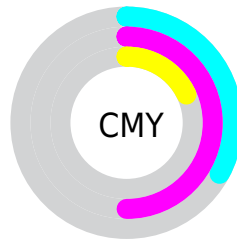
- Red (67%)
- Green (50%)
- Blue (82%)



- Red (67%)
- Yellow (50%)
- Blue (82%)



- Cyan (18%)
- Magenta (38%)
- Yellow (0%)
- Black (18%)



- Cyan (33%)
- Magenta (50%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Hex color AA80D0 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 AA80D0 by changing the saturation by 10% instead.



■ AA80D0

■ AA80D0

FFFFFF

■ 8F67B4

■ E2B5FF

■ 744E99

■ FFD1FF

■ 5A367F

■ FFEEFF

■ 411F66

■ 28084D

■ 160036

■ 000220

■ 000003

■ 000000

AA80D0

AA80D0

A06BD0

B495D0

9656D0

BEAAD0

8C42D0

C8BED0

822DD0

D2D3D0

7918D0

DBE8D0

6F03D0

E5FDD0

6D00D0

EFFFD0

F9FFD0

FFFFD0

# Harmonies

## Analogous

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



6890E3



AA80D0



D172AD

# Triad

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



AA80D0



BF8641



00A7A1

# Complementary

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



AA80D0



A6D080

# 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.



26A576



AA80D0



9A953C

# Square

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



AA80D0



D8775C



6C9F51



00A4C8

# Rectangle

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



AA80D0



DD6E91



6C9F51



00A693



# Sweetspot

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



AA80D0



F0E0FF



80A7D0



776E80



000000



808080



# Same Dimension

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



AA80D0



C78AFF



D080CF



645E69



5800A8



150029



# Inverse Universe

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



D080A6



FF8AC1



80D081



695E63



A80050

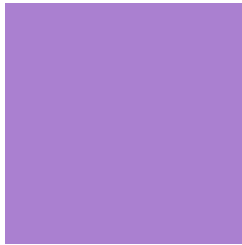


290013



# Previews

## White Background



This preview shows how the Hex color AA80D0 looks on a white background.

## Color Contrast Check

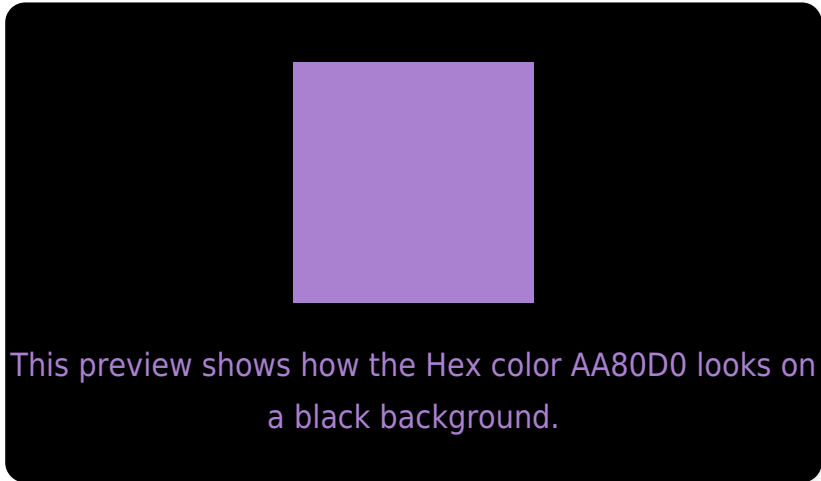
Large Text (above 18pt) WCAG AA ✓ Pass

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 AA80D0 Background



This preview shows how black text looks on a background with the Hex color AA80D0.

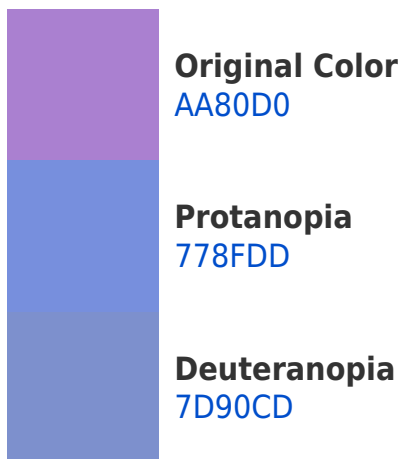


This preview shows how white text looks on a background with the Hex color AA80D0.

# 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](#).

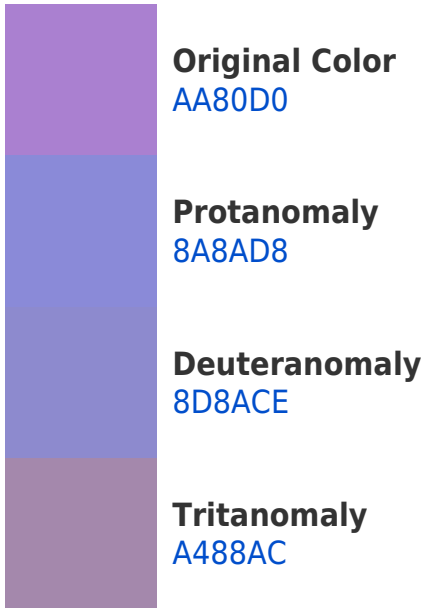
## Dichromacy



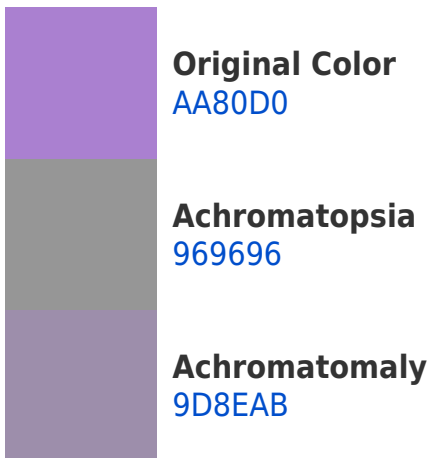


**Tritanopia**  
A18C97

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex AA80D0 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 #AA80D0 looks like.

```
.text, #text, p{  
    color:#AA80D0  
}
```

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 #AA80D0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #AA80D0
}
```

## Border

The CSS property to change the border of an element to Hex AA80D0 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
#AA80D0 }
```

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

```
.border{ border-color:#AA80D0 }
```

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

Here you see how a box with a 4 pixel #AA80D0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #AA80D0; -webkit-box-shadow:4px 4px  
4px 4px #AA80D0; box-shadow:4px 4px 4px  
4px #AA80D0 }
```

# Background

The CSS property to change the background color of an element to Hex AA80D0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#AA80D0 }
```

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

```
.background{ background-color:#AA80D0 }
```

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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