

# Converting Colors

Hex(AA83DD)

Have a look what the booklet for  
Hex(AA83DD) contains.

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# Color

Hex(AA83DD)

# Conversions

## Conversions Part 1

Format	Color
Hex	AA83DD
RGB	170, 131, 221
RGB Percent	67%, 51%, 87%
CMY	0.3333, 0.4863, 0.1333
CMYK	0.23, 0.41, 0.00, 0.13
HSL	266°, 57%, 69%
HSV	266°, 41%, 87%
XYZ	37.7450, 29.9991, 72.2076
YIQ	152.9210, -5.6460, 36.2580

# Conversions

## Conversions Part 2

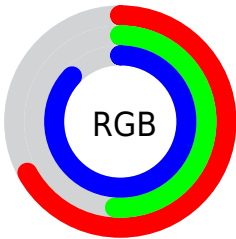
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	170, 131, 221
Decimal	11174877
CIE Lab	61.65, 32.80, -40.52
CIE LCh	62, 52.137, 308.989
Yxy	29.9991, 0.2697, 0.2144
Android (android.graphics.Color)	4289364957 (0xFFAA83DD)
YUV	152.9210, 33.5629, 14.9783
Hunter-Lab	54.7714, 27.1609, -39.8247

# Details

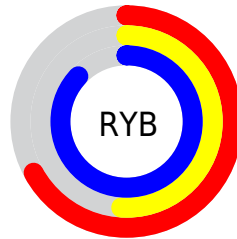
The Hex color **AA83DD** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **B6DD83**, and the grayscale version is **999999**.

A 20% lighter version of the original color is **E3B9FF**, and **7451A5** is the 20% darker color. If you saturate the color by 10%, you get **9D6DDD**, and if you desaturate by 10%, it is **B799DD**.

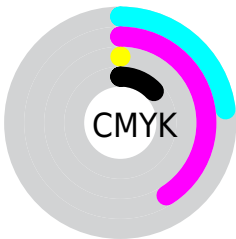
# Distribution



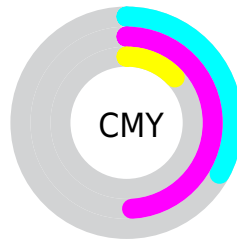
- Red (67%)
- Green (51%)
- Blue (87%)



- Red (67%)
- Yellow (51%)
- Blue (87%)



- Cyan (23%)
- Magenta (41%)
- Yellow (0%)
- Black (13%)



- Cyan (33%)
- Magenta (49%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Hex color AA83DD 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 AA83DD by changing the saturation by 10% instead.



■ AA83DD

■ AA83DD

FFFFFF

■ 8F69C1

■ E3B9FF

■ 7451A5

■ FFD4FF

■ 5A398B

■ FFF1FF

■ 402271

■ 260B58

■ 0F0040

■ 000329

■ 000113

■ 000000

■ AA83DD

■ AA83DD

■ 9D6DDD

■ B799DD

■ 9157DD

■ C3AFDD

■ 8441DD

■ D0C5DD

■ 782BDD

■ DCDBDD

■ 6B15DD

■ E9F2DD

■ 6000DD

■ F5FFDD

■ FFFFDD

# Harmonies

## Analogous

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



5995F0



AA83DD



D872B7

# Triad

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



AA83DD



C9873D



00ACA2

# Complementary

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



AA83DD



B6DD83

# 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.



1CA972



AA83DD



A29734

# Square

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



AA83DD



E3755D



70A349



00AACE

# Rectangle

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



AA83DD



E76C98



70A349



00AB92



# Sweetspot

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



AA83DD



EEE0FF



83B6DD



756E80



000000



808080



# Same Dimension

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



AA83DD



B882FF



D783DD



67636E



4B00AD



14002E



# Inverse Universe

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



DD83B6



FF82C9



89DD83



6E6369



AD0062

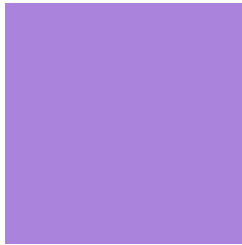


2E001A



# Previews

## White Background



This preview shows how the Hex color AA83DD looks on a white background.

## Color Contrast Check

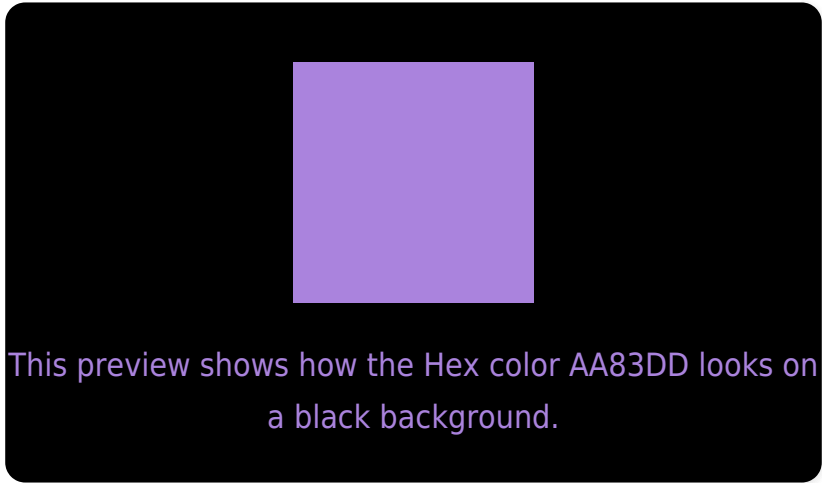
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ Pass

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



## Hex AA83DD Background



This preview shows how black text looks on a background with the Hex color AA83DD.

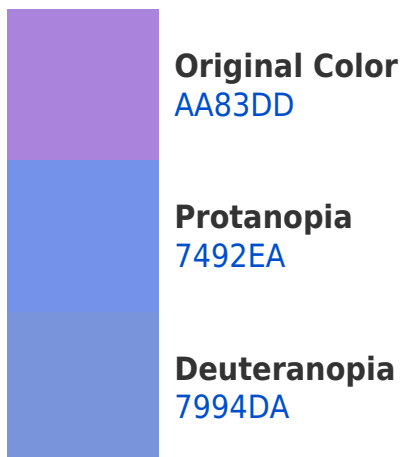



This preview shows how white text looks on a background with the Hex color AA83DD.

# 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](#).

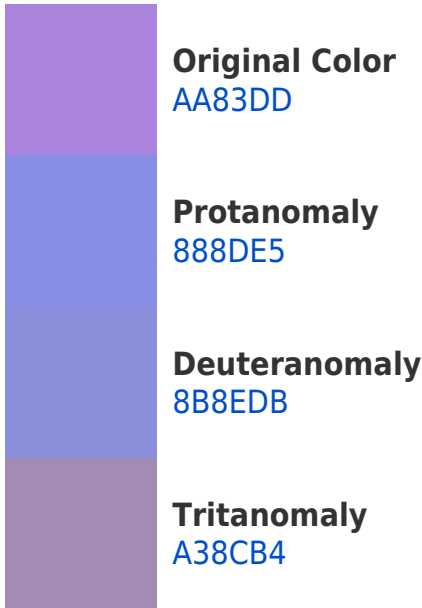
## Dichromacy



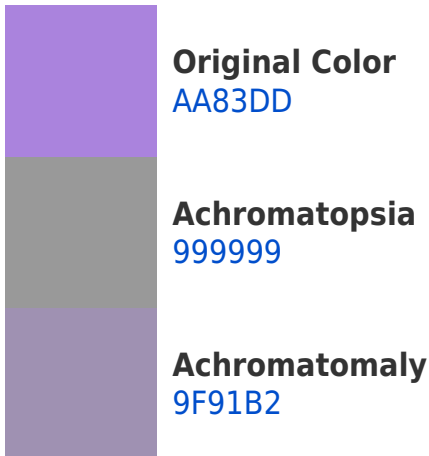


**Tritanopia**  
9F919C

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex AA83DD 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 #AA83DD looks like.

```
.text, #text, p{  
    color:#AA83DD  
}
```

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 #AA83DD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #AA83DD
}
```

## Border

The CSS property to change the border of an element to Hex AA83DD 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
#AA83DD }
```

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

```
.border{ border-color:#AA83DD }
```

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

Here you see how a box with a 4 pixel #AA83DD colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #AA83DD; -webkit-box-shadow:4px 4px  
4px 4px #AA83DD; box-shadow:4px 4px 4px  
4px #AA83DD }
```

# Background

The CSS property to change the background color of an element to Hex AA83DD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#AA83DD }
```

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

```
.background{ background-color:#AA83DD }
```

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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