

# Converting Colors

Hex(AB4AAB)

Have a look what the booklet for  
Hex(AB4AAB) contains.

<b>Hex(AB4AAB)</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(AB4AAB)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AB4AAB
RGB	171, 74, 171
RGB Percent	67%, 29%, 67%
CMY	0.3294, 0.7098, 0.3294
CMYK	0.00, 0.57, 0.00, 0.33
HSL	300°, 40%, 48%
HSV	300°, 57%, 67%
XYZ	26.5941, 16.4958, 40.3104
YIQ	114.0610, 26.6750, 50.7310

# Conversions

## Conversions Part 2

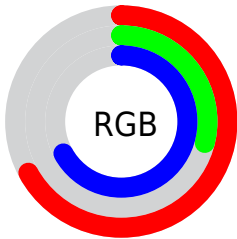
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	171, 74, 171
Decimal	11225771
CIE <sub>Lab</sub>	47.62, 52.81, -33.92
CIE <sub>LCh</sub>	48, 62.768, 327.286
Yxy	16.4958, 0.3189, 0.1978
Android (android.graphics.Color)	4289415851 (0xFFAB4AAB)
YUV	114.0610, 28.0709, 49.9355
Hunter-Lab	40.6150, 45.8028, -30.4149

# Details

The Hex color **AB4AAB** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **4AAB4A**, and the grayscale version is **727272**.

A 20% lighter version of the original color is **E580E3**, and **740D76** is the 20% darker color. If you saturate the color by 10%, you get **AB39AB**, and if you desaturate by 10%, it is **AB5BAB**.

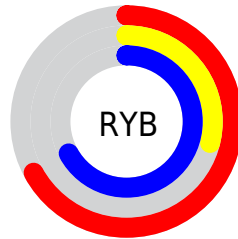
# Distribution



Red (67%)

Green (29%)

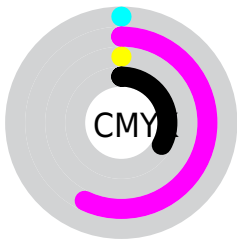
Blue (67%)



Red (67%)

Yellow (29%)

Blue (67%)

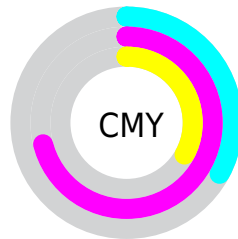


Cyan (0%)

Magenta (57%)

Yellow (0%)

Black (33%)



Cyan (33%)

Magenta (71%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Hex color AB4AAB 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 AB4AAB by changing the saturation by 10% instead.



 AB4AAB

 AB4AAB

FFFFFF

 8F2F90

 E580E3

 740D76

 FF9BFF

 59005D

 FFB7FF

 3F0045

 FFD3FF

 28002E

 FFF1FF

 000118

 000000

 AB4AAB

 AB4AAB

 AB39AB

 AB5BAB

 AB28AB

 AB6CAB

 AB17AB

 AB7DAB

 AB06AB

 AB8EAB

 AB00AB

 AB9FAB

 ABB1AB

 ABC2AB

 ABD3AB

 ABE4AB

# Harmonies

## Analogous

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



6365D0



AB4AAB



CA3578

# Triad

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



AB4AAB



8C6D00



0088A0

# Complementary

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



AB4AAB



4AAB4A

# 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.



00886A



AB4AAB



597C00

# Square

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



AB4AAB



B45710



008433



0084CA

# Rectangle

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



AB4AAB



CE3755



008433



00898F



# Sweetspot

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



AB4AAB



DEB8DE



4A4AAB



705A70



F0F0F0



707070



# Same Dimension

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



AB4AAB



DE47DE



AB4A7A



574E57



960096



170017



# Inverse Universe

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



AB4AAB



DE47DE



4AAB7A



574E57



960096



170017



# Previews

## White Background



This preview shows how the Hex color AB4AAB looks on a white background.

## Color Contrast Check

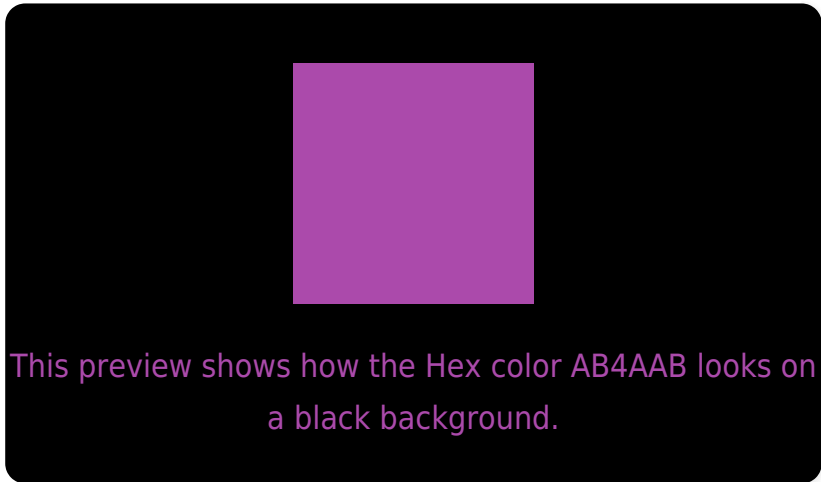
Large Text (above 18pt) WCAG AA ✓ Pass

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

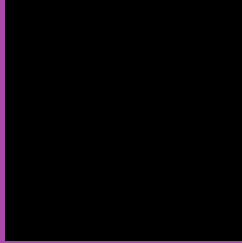
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex AB4AAB Background



This preview shows how black text looks on a background with the Hex color AB4AAB.

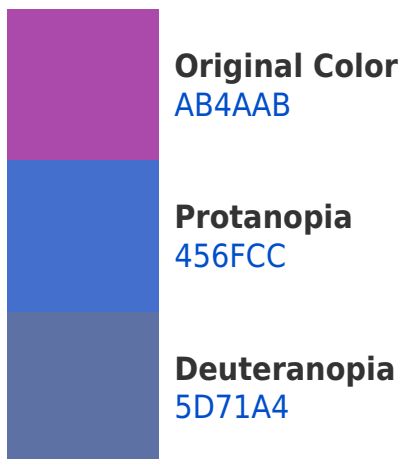



This preview shows how white text looks on a background with the Hex color AB4AAB.

# 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**  
A25D64

# Trichromacy



**Original Color**  
AB4AAB



**Protanomaly**  
6A62C0



**Deuteranomaly**  
7963A7

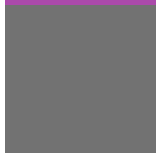


**Tritanomaly**  
A5567E

# Monochromacy



**Original Color**  
AB4AAB



**Achromatopsia**  
727272



**Achromatomaly**  
876387

# CSS Examples

## Text

The CSS property to change the color of the text to Hex AB4AAB 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 #AB4AAB looks like.

```
.text, #text, p{  
    color:#AB4AAB  
}
```

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 #AB4AAB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #AB4AAB
}
```

## Border

The CSS property to change the border of an element to Hex AB4AAB 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
#AB4AAB }
```

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

```
.border{ border-color:#AB4AAB }
```

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

Here you see how a box with a 4 pixel #AB4AAB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #AB4AAB; -webkit-box-shadow:4px 4px  
4px 4px #AB4AAB; box-shadow:4px 4px 4px  
4px #AB4AAB }
```

# Background

The CSS property to change the background color of an element to Hex AB4AAB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#AB4AAB }
```

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

```
.background{ background-color:#AB4AAB }
```

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