

# Converting Colors

Hex(AB21A1)

Have a look what the booklet for  
Hex(AB21A1) contains.

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**Color**

**Hex(AB21A1)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AB21A1
RGB	171, 33, 161
RGB Percent	67%, 13%, 63%
CMY	0.3294, 0.8706, 0.3686
CMYK	0.00, 0.81, 0.06, 0.33
HSL	304°, 68%, 40%
HSV	304°, 81%, 67%
XYZ	23.7715, 12.3188, 34.8431
YIQ	88.8540, 41.1600, 69.0640

# Conversions

## Conversions Part 2

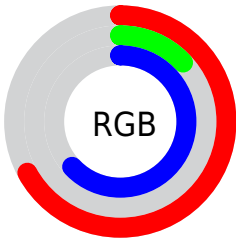
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	171, 33, 161
Decimal	11215265
CIE <sub>Lab</sub>	41.72, 66.24, -37.28
CIE <sub>LCh</sub>	42, 76.009, 330.625
Yxy	12.3188, 0.3351, 0.1737
Android (android.graphics.Color)	4289405345 (0xFFAB21A1)
YUV	88.8540, 35.5680, 72.0420
Hunter-Lab	35.0982, 59.4733, -34.2903

# Details

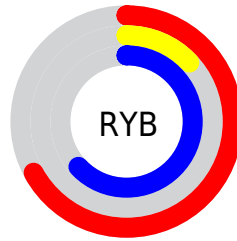
The Hex color **AB21A1** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **21AB2B**, and the grayscale version is **585858**.

A 20% lighter version of the original color is **E660D8**, and **72006D** is the 20% darker color. If you saturate the color by 10%, you get **AB10A0**, and if you desaturate by 10%, it is **AB32A2**.

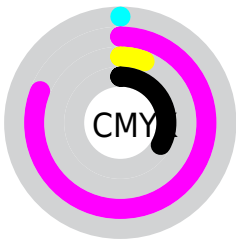
# Distribution



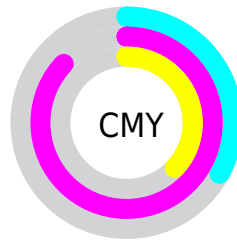
- Red (67%)
- Green (13%)
- Blue (63%)



- Red (67%)
- Yellow (13%)
- Blue (63%)



- Cyan (0%)
- Magenta (81%)
- Yellow (6%)
- Black (33%)



- Cyan (33%)
- Magenta (87%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Hex color AB21A1 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 AB21A1 by changing the saturation by 10% instead.



 AB21A1

 AB21A1

FFFFFF

 8E0086

 E660D8

 72006D

 FF7CF5

 570054

 FF99FF

 3D003C

 FFB5FF

 210026

 FFD3FF

 00010E

 FFF0FF

 000000

 AB21A1

 AB21A1

 AB10A0

 AB32A2

 AB009F

 AB43A3

 AB54A5

 AB65A6

 AB77A7

 AB88A8

 AB99AA

 ABAAAB

 ABBBAC

# Harmonies

## Analogous

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



5551D0



AB21A1



CA0064

# Triad

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



AB21A1



786100



007CA1

# Complementary

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



AB21A1



21AB2B

# 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.



007B62



AB21A1



367000

# Square

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



AB21A1



A74500



00781D



0078D0

# Rectangle

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



AB21A1



CA003B



00781D



007C8D



# Sweetspot

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



AB21A1



DEA9DA



2A21AB



70506E



F0F0F0



707070



# Same Dimension

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



AB21A1



DE07CE



AB215D



574E56



96008C



170015



# Inverse Universe

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



AB21A1



DE07CE



21AB6F



574E56



96008C



170015



# Previews

## White Background



This preview shows how the Hex color AB21A1 looks on a white background.

## Color Contrast Check

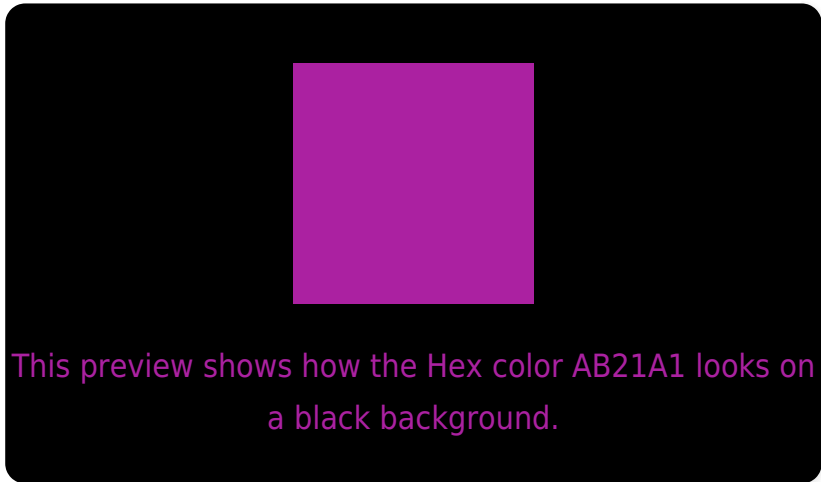
Large Text (above 18pt) WCAG AA ✓ Pass

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

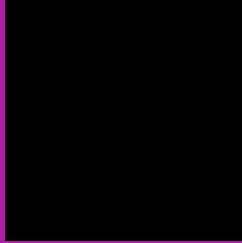
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex AB21A1 Background



This preview shows how black text looks on a background with the Hex color AB21A1.

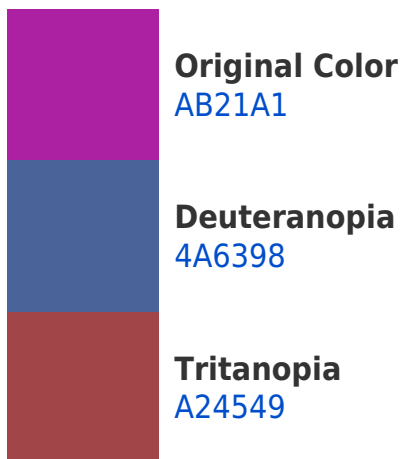


This preview shows how white text looks on a background with the Hex color AB21A1.

# 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



# Trichromacy



**Original Color**  
AB21A1

**Deuteranomaly**  
6D4B9B

**Tritanomaly**  
A53869

# Monochromacy



**Original Color**  
AB21A1

**Achromatopsia**  
595959

**Achromatomaly**  
774573

# CSS Examples

## Text

The CSS property to change the color of the text to Hex AB21A1 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 #AB21A1 looks like.

```
.text, #text, p{  
    color:#AB21A1  
}
```

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 #AB21A1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #AB21A1
}
```

## Border

The CSS property to change the border of an element to Hex AB21A1 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
#AB21A1 }
```

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

```
.border{ border-color:#AB21A1 }
```

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

Here you see how a box with a 4 pixel #AB21A1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #AB21A1; -webkit-box-shadow:4px 4px  
4px 4px #AB21A1; box-shadow:4px 4px 4px  
4px #AB21A1 }
```

# Background

The CSS property to change the background color of an element to Hex AB21A1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#AB21A1 }
```

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

```
.background{ background-color:#AB21A1 }
```

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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