

# Converting Colors

Hex(AB2280)

Have a look what the booklet for  
Hex(AB2280) contains.

<b>Hex(AB2280)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(AB2280)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AB2280
RGB	171, 34, 128
RGB Percent	67%, 13%, 50%
CMY	0.3294, 0.8667, 0.4980
CMYK	0.00, 0.80, 0.25, 0.33
HSL	319°, 67%, 40%
HSV	319°, 80%, 67%
XYZ	21.2629, 11.3605, 21.4942
YIQ	85.6790, 51.4780, 58.2780

# Conversions

## Conversions Part 2

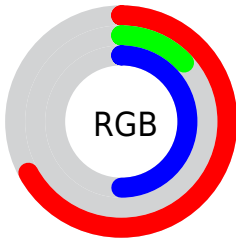
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	171, 34, 128
Decimal	11215488
CIE <sub>Lab</sub>	40.18, 61.37, -19.59
CIE <sub>LCh</sub>	40, 64.418, 342.297
Yxy	11.3605, 0.3929, 0.2099
Android (android.graphics.Color)	4289405568 (0xFFAB2280)
YUV	85.6790, 20.8643, 74.8265
Hunter-Lab	33.7053, 53.6218, -14.2160

# Details

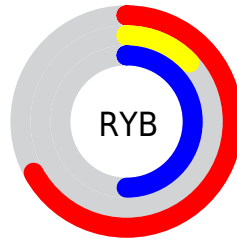
The Hex color **AB2280** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **22AB4D**, and the grayscale version is **555555**.

A 20% lighter version of the original color is **E65FB5**, and **72004F** is the 20% darker color. If you saturate the color by 10%, you get **AB117B**, and if you desaturate by 10%, it is **AB3385**.

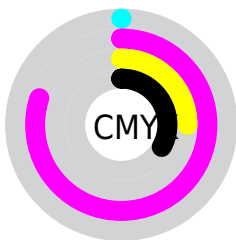
# Distribution



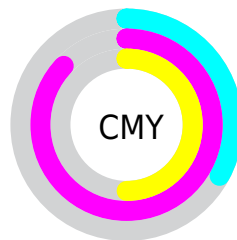
- Red (67%)
- Green (13%)
- Blue (50%)



- Red (67%)
- Yellow (13%)
- Blue (50%)



- Cyan (0%)
- Magenta (80%)
- Yellow (25%)
- Black (33%)



- Cyan (33%)
- Magenta (87%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Hex color AB2280 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 AB2280 by changing the saturation by 10% instead.



 AB2280

 AB2280

FFFFFF

 8E0067

 E65FB5

 72004F

 FF7BD1

 570038

 FF97ED

 3E0022

 FFB4FF

 200007

 FFD1FF

 000000

 FFEEFF

 AB2280

 AB2280

 AB117B

 AB3385

 AB0075

 AB448B

 AB5590

 AB6695

 AB779B

 AB89A0

 AB9AA6

 ABABAB

 ABBCB0

# Harmonies

## Analogous

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



7A45AE



AB2280



B9144C

# Triad

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



AB2280



606300



0074A5

# Complementary

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



AB2280



22AB4D

# 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.



007574



AB2280



1B6E00

# Square

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



AB2280



8D5000



00733C



006DC4

# Rectangle

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



AB2280



B3292A



00733C



007596



# Sweetspot

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



AB2280



DEA9CD



4B22AB



705066



F0F0F0



707070



# Same Dimension

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



AB2280



DE099B



AB223D



574E54



960067



170010



# Inverse Universe

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



AB2280



DE099B



22AB90



574E54



960067



170010



# Previews

## White Background



This preview shows how the Hex color AB2280 looks on a white background.

## Color Contrast Check

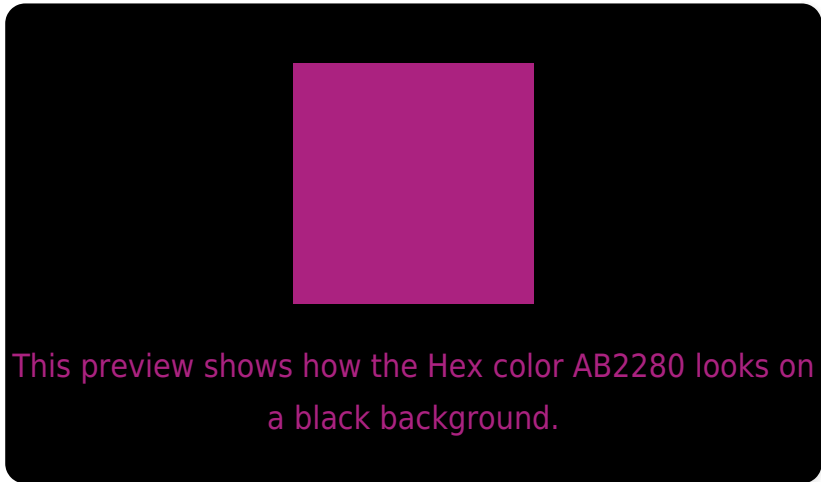
Large Text (above 18pt) WCAG AA ✓ Pass

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

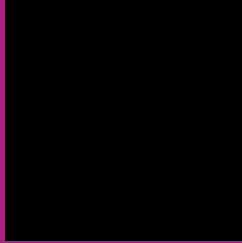
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex AB2280 Background



This preview shows how black text looks on a background with the Hex color AB2280.

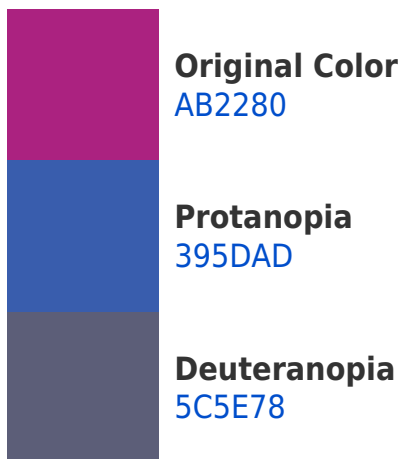


This preview shows how white text looks on a background with the Hex color AB2280.

# 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**  
AB2280



**Protanomaly**  
62489D



**Deuteranomaly**  
79487B

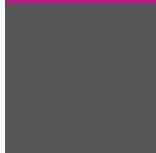


**Tritanomaly**  
A83155

# Monochromacy



**Original Color**  
AB2280



**Achromatopsia**  
565656



**Achromatomaly**  
754365

# CSS Examples

## Text

The CSS property to change the color of the text to Hex AB2280 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 #AB2280 looks like.

```
.text, #text, p{  
    color:#AB2280  
}
```

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 #AB2280 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #AB2280
}
```

## Border

The CSS property to change the border of an element to Hex AB2280 is called "border". The border property can be set on classes, ids or directly on the HTML element.

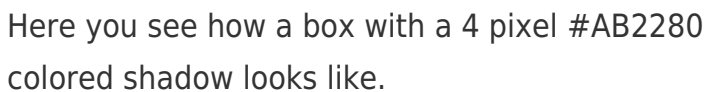
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#AB2280 }
```

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

```
.border{ border-color:#AB2280 }
```

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



Here you see how a box with a 4 pixel #AB2280 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #AB2280; -webkit-box-shadow:4px 4px  
4px 4px #AB2280; box-shadow:4px 4px 4px  
4px #AB2280 }
```

# Background

The CSS property to change the background color of an element to Hex AB2280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#AB2280 }
```

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

```
.background{ background-color:#AB2280 }
```

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