

Converting Colors

Hex(AB002A)

Have a look what the booklet for
Hex(AB002A) contains.

Hex(AB002A)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(AB002A)

Conversions

Conversions Part 1

Format	Color
Hex	AB002A
RGB	171, 0, 42
RGB Percent	67%, 0%, 16%
CMY	0.3294, 1.0000, 0.8353
CMYK	0.00, 1.00, 0.75, 0.33
HSL	345°, 100%, 34%
HSV	345°, 100%, 67%
XYZ	17.2125, 8.8251, 2.9867
YIQ	55.9170, 88.4340, 49.3140

Conversions

Conversions Part 2

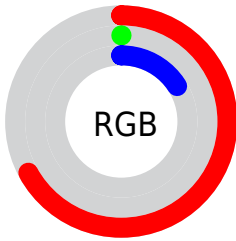
Format	Color
RYB	171, 0, 42
Decimal	11206698
CIELab	35.65, 60.27, 28.73
CIELCh	36, 66.768, 25.483
Yxy	8.8251, 0.5930, 0.3041
Android (android.graphics.Color)	4289396778 (0xFFAB002A)
YUV	55.9170, -6.8611, 100.9278
Hunter-Lab	29.7071, 51.4370, 14.8340

Details

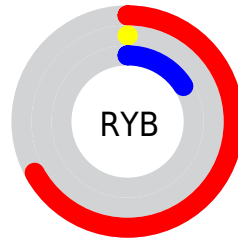
The Hex color **AB002A** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **00AB81**, and the grayscale version is **383838**.

A 20% lighter version of the original color is **EA4E57**, and **6E0000** is the 20% darker color. If you saturate the color by 10%, you get **AB002A**, and if you desaturate by 10%, it is **AB1137**.

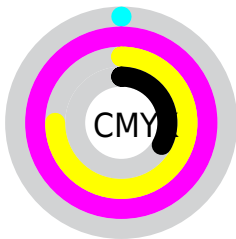
Distribution



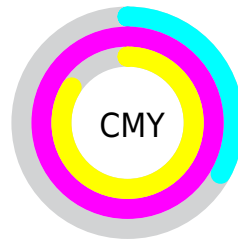
- Red (67%)
- Green (0%)
- Blue (16%)



- Red (67%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (75%)
- Black (33%)



- Cyan (33%)
- Magenta (100%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Hex color AB002A 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 AB002A by changing the saturation by 10% instead.

 AB002A

 AB002A

FFFFFF

 8C0016

 EA4E57

 6E0000

 FF6B70

 500001

 FF8789

 330002

 FFA3A3

 000000

 FFC0BE

 FFDDDA

 FFFBF7

 AB002A

 AB1137

 AB2244

 AB3351

 AB445E

 AB556A

 AB6777

 AB7884

 AB8991

 AB9A9E

Harmonies

Analogous

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



AA005E



AB002A



943500

Triad

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



AB002A



00660B



005EC0

Complementary

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



AB002A



00AB81

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.



0067AC



AB002A



00694A

Square

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



AB002A



3B5E00



006A81



3049B6

Rectangle

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



AB002A



7C4800



006A81



0062BD

Sweetspot

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



AB002A



DE9BAC



8000AB



704852



F0F0F0



707070

Same Dimension

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



AB002A



DE0036



AB2B00



574E50



960025



170006

Inverse Universe

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



AB002A



DE0036



0080AB



574E50



960025



170006

Previews

White Background



This preview shows how the Hex color AB002A looks on a white background.

Color Contrast Check

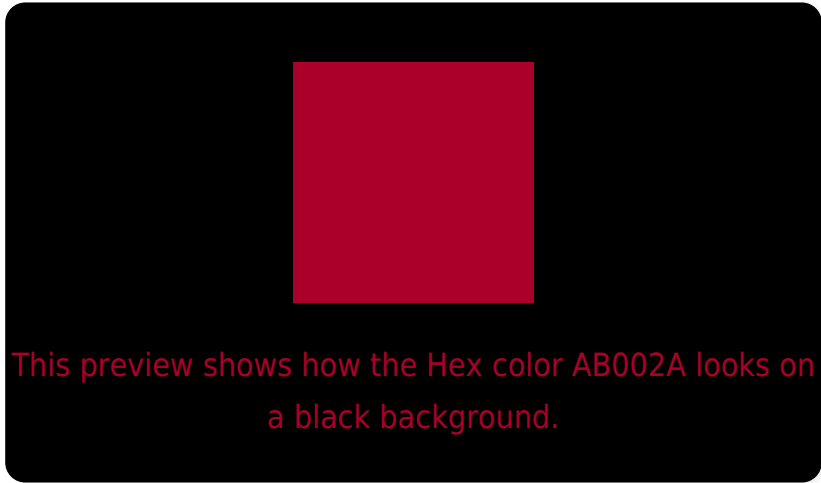
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 AB002A Background



This preview shows how black text looks on a background with the Hex color AB002A.



This preview shows how white text looks on a background with the Hex color AB002A.

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

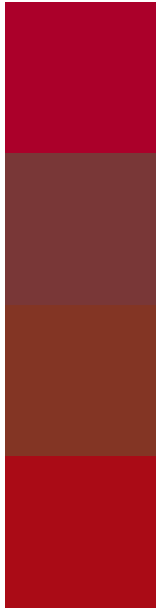


Original Color
AB002A

Protanopia
5D573F

Deuteranopia
6C5320

Trichromacy



Original Color
AB002A

Protanomaly
793737

Deuteranomaly
833524

Tritanomaly
AA0B16

Monochromacy



Original Color
AB002A

Achromatopsia
383838

Achromatomaly
622433

CSS Examples

Text

The CSS property to change the color of the text to Hex AB002A 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 #AB002A looks like.

```
.text, #text, p{  
    color:#AB002A  
}
```

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 #AB002A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #AB002A
}
```

Border

The CSS property to change the border of an element to Hex AB002A is called "border". The border property can be set on classes, ids or directly on the HTML element.

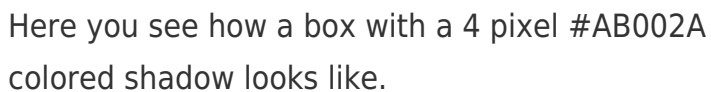
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#AB002A }
```

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

```
.border{ border-color:#AB002A }
```

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



Here you see how a box with a 4 pixel `#AB002A` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #AB002A; -webkit-box-shadow:4px 4px  
4px 4px #AB002A; box-shadow:4px 4px 4px  
4px #AB002A }
```

Background

The CSS property to change the background color of an element to Hex AB002A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#AB002A }
```

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

```
.background{ background-color:#AB002A }
```

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