

# Converting Colors

Hex(AA0031)

Have a look what the booklet for  
Hex(AA0031) contains.

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**Color**

**Hex(AA0031)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AA0031
RGB	170, 0, 49
RGB Percent	67%, 0%, 19%
CMY	0.3333, 1.0000, 0.8078
CMYK	0.00, 1.00, 0.71, 0.33
HSL	343°, 100%, 33%
HSV	343°, 100%, 67%
XYZ	17.1319, 8.7678, 3.6951
YIQ	56.4160, 85.5910, 51.2790

# Conversions

## Conversions Part 2

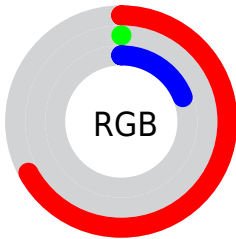
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	170, 0, 49
Decimal	11141169
CIE <sub>Lab</sub>	35.53, 60.31, 24.10
CIE <sub>LCh</sub>	36, 64.950, 21.779
Yxy	8.7678, 0.5789, 0.2963
Android (android.graphics.Color)	4289331249 (0xFFAA0031)
YUV	56.4160, -3.6561, 99.6132
Hunter-Lab	29.6105, 51.4577, 13.3284

# Details

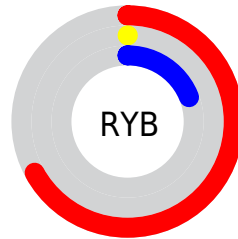
The Hex color **AA0031** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **00AA79**, and the grayscale version is **383838**.

A 20% lighter version of the original color is **E84E5F**, and **6D0004** is the 20% darker color. If you saturate the color by 10%, you get **AA0031**, and if you desaturate by 10%, it is **AA113D**.

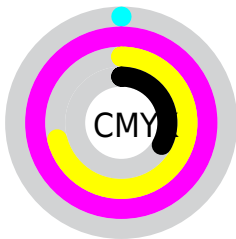
# Distribution



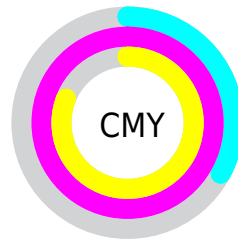
- Red (67%)
- Green (0%)
- Blue (19%)



- Red (67%)
- Yellow (0%)
- Blue (19%)



- Cyan (0%)
- Magenta (100%)
- Yellow (71%)
- Black (33%)



- Cyan (33%)
- Magenta (100%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color AA0031 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 AA0031 by changing the saturation by 10% instead.



 AA0031

 AA0031

FFFFFF

 8B001C

 E84E5F

 6D0004

 FF6B77

 4F0001

 FF8791

 330002

 FFA3AC

 000000

 FFC0C7

 FFDDE3

 FFFBFF

 AA0031

 AA113D

 AA2249

 AA3355

 AA4461

 AA556E

 AA667A

 AA7786

 AA8892

 AA999E

# Harmonies

## Analogous

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



A60064



AA0031



963200

# Triad

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



AA0031



006403



005FBC

# Complementary

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



AA0031



00AA79

# 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.



0067A5



AA0031



006843

# Square

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



AA0031



435C00



006979



164CB6

# Rectangle

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



AA0031



804500



006979



0062B8



# Sweetspot

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



AA0031



DE9BAE



7700AA



704853



F0F0F0



707070



# Same Dimension

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



AA0031



DE0040



AA2200



544C4E



94002B



140006



# Inverse Universe

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



AA0031



DE0040



0088AA



544C4E



94002B



140006



# Previews

## White Background



This preview shows how the Hex color AA0031 looks on a white background.

## Color Contrast Check

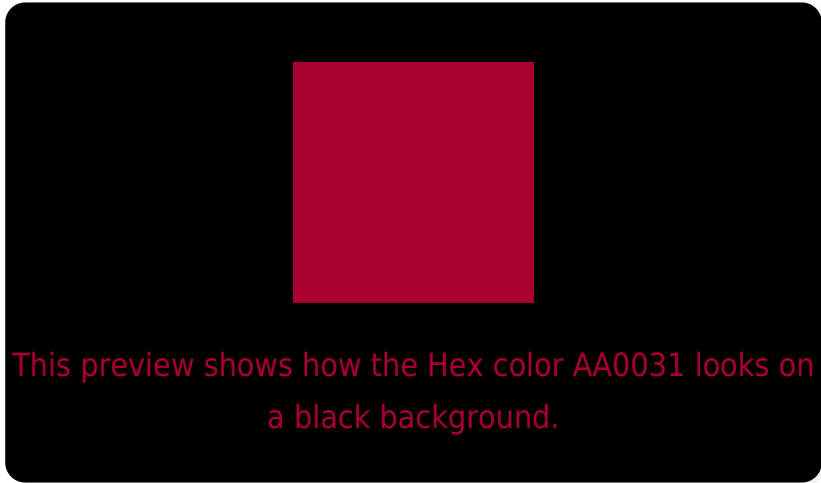
Large Text (above 18pt) WCAG AA ✓ Pass

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 AA0031 Background



This preview shows how black text looks on a background with the Hex color AA0031.

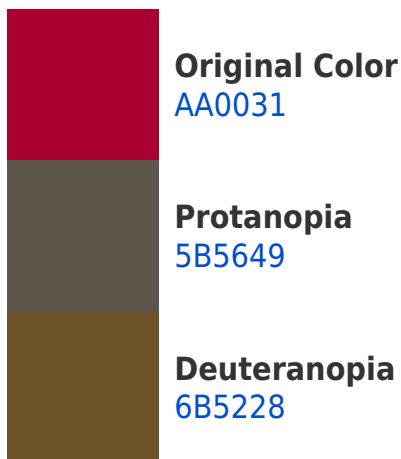


This preview shows how white text looks on a background with the Hex color AA0031.

# 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](#).

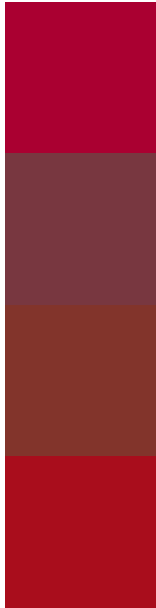
## Dichromacy





**Tritanopia**  
A91410

# Trichromacy



**Original Color**  
AA0031

**Protanomaly**  
783740

**Deuteranomaly**  
82342B

**Tritanomaly**  
A90D1C

# Monochromacy



**Original Color**  
AA0031

**Achromatopsia**  
383838

**Achromatomaly**  
612435

# CSS Examples

## Text

The CSS property to change the color of the text to Hex AA0031 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 #AA0031 looks like.

```
.text, #text, p{  
    color:#AA0031  
}
```

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 #AA0031 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #AA0031
}
```

## Border

The CSS property to change the border of an element to Hex AA0031 is called "border". The border property can be set on classes, ids or directly on the HTML element.

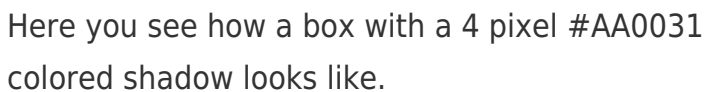
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#AA0031 }
```

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

```
.border{ border-color:#AA0031 }
```

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



Here you see how a box with a 4 pixel #AA0031 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #AA0031; -webkit-box-shadow:4px 4px  
4px 4px #AA0031; box-shadow:4px 4px 4px  
4px #AA0031 }
```

# Background

The CSS property to change the background color of an element to Hex AA0031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#AA0031 }
```

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

```
.background{ background-color:#AA0031 }
```

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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