

# Converting Colors

Hex(A80236)

Have a look what the booklet for  
Hex(A80236) contains.

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**Color**

**Hex(A80236)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A80236
RGB	168, 2, 54
RGB Percent	66%, 1%, 21%
CMY	0.3412, 0.9922, 0.7882
CMYK	0.00, 0.99, 0.68, 0.34
HSL	341°, 98%, 33%
HSV	341°, 99%, 66%
XYZ	16.8360, 8.6346, 4.2693
YIQ	57.5620, 82.2440, 51.3640

# Conversions

## Conversions Part 2

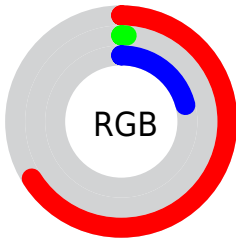
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	168, 2, 54
Decimal	11010614
CIE <sub>Lab</sub>	35.27, 59.81, 20.45
CIE <sub>LCh</sub>	35, 63.209, 18.879
Yxy	8.6346, 0.5661, 0.2903
Android (android.graphics.Color)	4289200694 (0xFFA80236)
YUV	57.5620, -1.7561, 96.8541
Hunter-Lab	29.3847, 50.8488, 11.9550

# Details

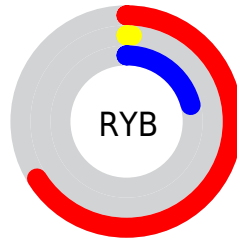
The Hex color **A80236** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **02A874**, and the grayscale version is **3A3A3A**.

A 20% lighter version of the original color is **E64E64**, and **6C000B** is the 20% darker color. If you saturate the color by 10%, you get **A80035**, and if you desaturate by 10%, it is **A81342**.

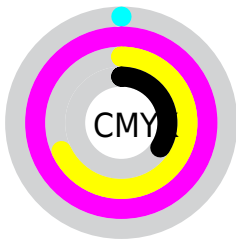
# Distribution



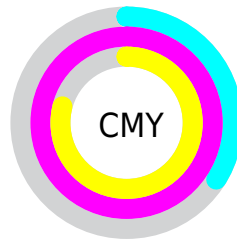
- Red (66%)
- Green (1%)
- Blue (21%)



- Red (66%)
- Yellow (1%)
- Blue (21%)



- Cyan (0%)
- Magenta (99%)
- Yellow (68%)
- Black (34%)



- Cyan (34%)
- Magenta (99%)
- Yellow (79%)
- Black (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color A80236 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 A80236 by changing the saturation by 10% instead.



 A80236

 A80236

FFFFFF

 8A0021

 E64E64

 6C000B

 FF6B7D

 4E0001

 FF8797

 320002

 FFA3B2

 000000

 FFC0CD

 FFDDE9

 FFFBFF

 A80236

 A80236

 A80035

 A81342

 A8244D

 A83459

 A84564

 A85670

 A8677B

 A87887

 A88892

 A8999E

# Harmonies

## Analogous

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



A10268



A80236



973000

# Triad

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



A80236



006300



005FB7

# Complementary

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



A80236



02A874

# 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.



00669F



A80236



00673E

# Square

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



A80236



485A00



006872



004EB4

# Rectangle

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



A80236



824200



006872



0062B2



# Sweetspot

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



A80236



DB9AAE



7302A8



6E4653



EDEDED



6E6E6E



# Same Dimension

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



A80236



DB0045



A82002



544C4E



94002E



140006



# Inverse Universe

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



A80236



DB0045



028AA8



544C4E



94002E



140006



# Previews

## White Background



This preview shows how the Hex color A80236 looks on a white background.

## Color Contrast Check

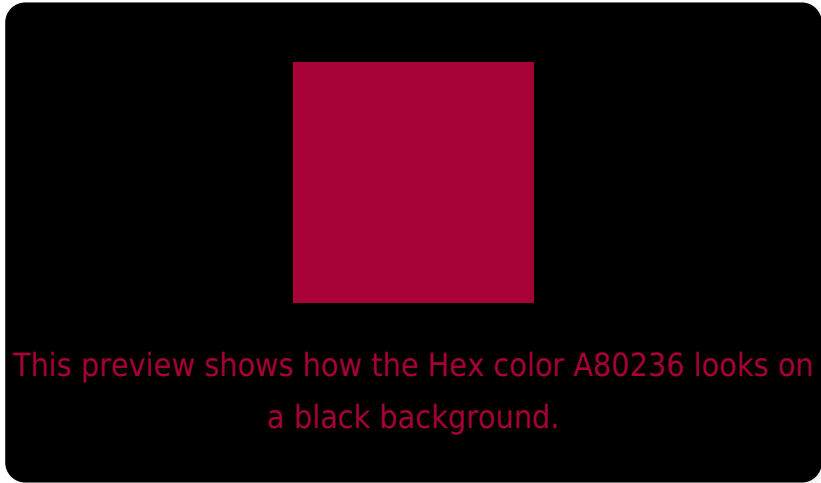
Large Text (above 18pt) WCAG AA ✓ Pass

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 A80236 Background



This preview shows how black text looks on a background with the Hex color A80236.

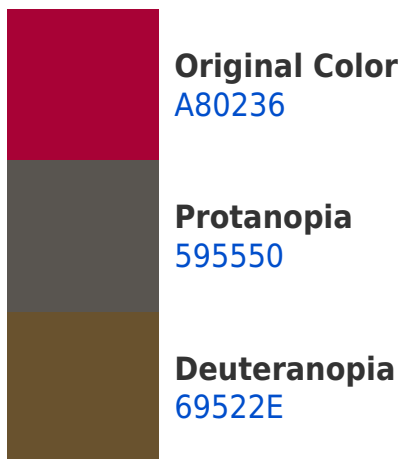


This preview shows how white text looks on a background with the Hex color A80236.

# 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**  
A71613

# Trichromacy



**Original Color**  
A80236

**Protanomaly**  
763747

**Deuteranomaly**  
803531

**Tritanomaly**  
A70F20

# Monochromacy



**Original Color**  
A80236

**Achromatopsia**  
3A3A3A

**Achromatomaly**  
622639

# CSS Examples

## Text

The CSS property to change the color of the text to Hex A80236 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 #A80236 looks like.

```
.text, #text, p{  
    color:#A80236  
}
```

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 #A80236 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #A80236
}
```

## Border

The CSS property to change the border of an element to Hex A80236 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".

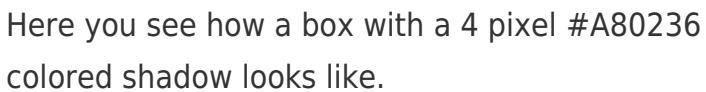
```
.border, #border, table{ border:4px solid
#A80236 }
```

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

```
.border{ border-color:#A80236 }
```

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

Here you see how a box with a 4 pixel #A80236 colored shadow looks like.

A rectangular box with a thick red border and a red shadow. The shadow is cast to the right and bottom of the box, creating a 3D effect. The text inside the box is black and describes the shadow.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #A80236; -webkit-box-shadow:4px 4px  
4px 4px #A80236; box-shadow:4px 4px 4px  
4px #A80236 }
```

# Background

The CSS property to change the background color of an element to Hex A80236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#A80236 }
```

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

```
.background{ background-color:#A80236 }
```

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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