

# Converting Colors

Hex(AC1E41)

Have a look what the booklet for  
Hex(AC1E41) contains.

<b>Hex(AC1E41)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(AC1E41)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AC1E41
RGB	172, 30, 65
RGB Percent	67%, 12%, 25%
CMY	0.3255, 0.8824, 0.7451
CMYK	0.00, 0.83, 0.62, 0.33
HSL	345°, 70%, 40%
HSV	345°, 83%, 67%
XYZ	18.4317, 10.0809, 5.9754
YIQ	76.4480, 73.3970, 40.9890

# Conversions

## Conversions Part 2

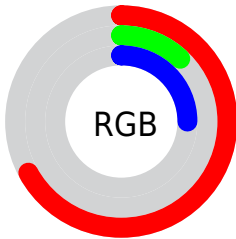
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	172, 30, 65
Decimal	11279937
CIE Lab	37.99, 56.71, 17.08
CIE LCh	38, 59.222, 16.761
Yxy	10.0809, 0.5344, 0.2923
Android (android.graphics.Color)	4289470017 (0xFFAC1E41)
YUV	76.4480, -5.6439, 83.7991
Hunter-Lab	31.7504, 48.0594, 11.0670

# Details

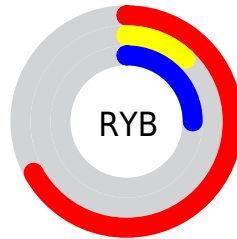
The Hex color **AC1E41** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **1EAC89**, and the grayscale version is **4C4C4C**.

A 20% lighter version of the original color is **E95B70**, and **700017** is the 20% darker color. If you saturate the color by 10%, you get **AC0D34**, and if you desaturate by 10%, it is **AC2F4E**.

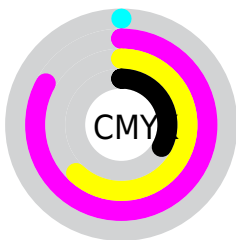
# Distribution



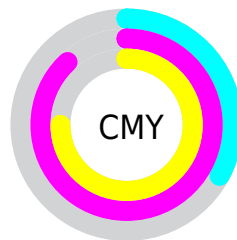
- Red (67%)
- Green (12%)
- Blue (25%)



- Red (67%)
- Yellow (12%)
- Blue (25%)



- Cyan (0%)
- Magenta (83%)
- Yellow (62%)
- Black (33%)



- Cyan (33%)
- Magenta (88%)
- Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the Hex color AC1E41 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 AC1E41 by changing the saturation by 10% instead.



 AC1E41

 AC1E41

FFFFFF

 8E002B

 E95B70

 700017

 FF778A

 530000

 FF92A4

 380002

 FFAFBF

 0D0000

 FFCBDB

 000000

 FFE9F7

 AC1E41

 AC1E41

 AC0D34

 AC2F4E

■ AC002A

■ AC405B

■ AC5268

■ AC6375

■ AC7482

■ AC858F

■ AC969C

■ ACA8A9

■ ACB9B6

# Harmonies

## Analogous

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



A32271



AC1E41



9D3812

# Triad

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



AC1E41



0A680A



0065B8

# Complementary

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



AC1E41



1EAC89

# 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.



006C9F



AC1E41



006D42

# Square

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



AC1E41



545F00



006E74



0356B6

# Rectangle

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



AC1E41



8A4900



006E74



0068B2



# Sweetspot

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



AC1E41



E0A8B6



891EAC



704F57



F0F0F0



707070



# Same Dimension

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



AC1E41



E00239



AC421E



574E50



960025



170006



# Inverse Universe

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



AC1E41



E00239



1E89AC



574E50



960025



170006



# Previews

## White Background



This preview shows how the Hex color AC1E41 looks on a white background.

## Color Contrast Check

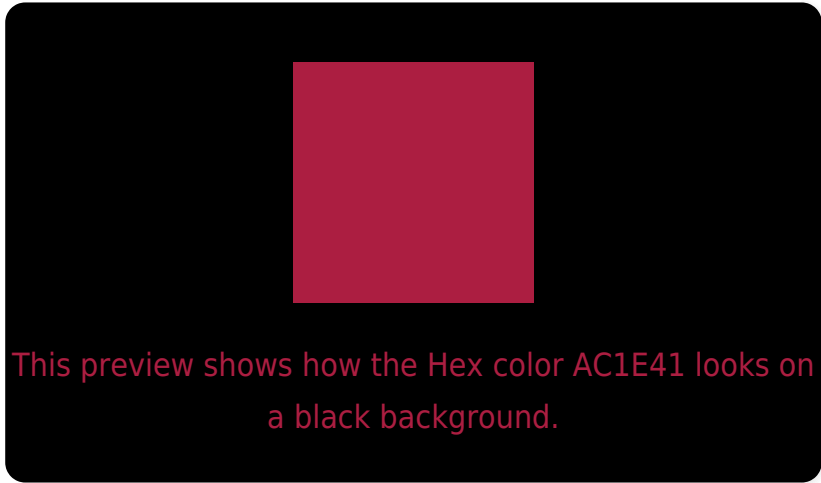
Large Text (above 18pt) WCAG AA ✓ Pass

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 AC1E41 Background



This preview shows how black text looks on a background with the Hex color AC1E41.



This preview shows how white text looks on a background with the Hex color AC1E41.

# 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**  
AC1E41

**Protanopia**  
5C5A5B

**Deuteranopia**  
6D573A



# Trichromacy



**Original Color**  
AC1E41

**Protanomaly**  
794452

**Deuteranomaly**  
84423D

**Tritanomaly**  
AB222F

# Monochromacy



**Original Color**  
AC1E41

**Achromatopsia**  
4C4C4C

**Achromatomaly**  
6F3B48

# CSS Examples

## Text

The CSS property to change the color of the text to Hex AC1E41 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 #AC1E41 looks like.

```
.text, #text, p{  
    color:#AC1E41  
}
```

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 #AC1E41 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #AC1E41
}
```

## Border

The CSS property to change the border of an element to Hex AC1E41 is called "border". The border property can be set on classes, ids or directly on the HTML element.

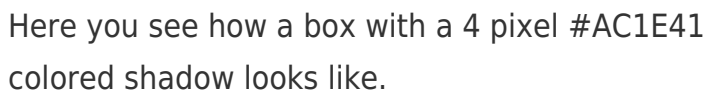
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#AC1E41 }
```

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

```
.border{ border-color:#AC1E41 }
```

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



Here you see how a box with a 4 pixel #AC1E41 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #AC1E41; -webkit-box-shadow:4px 4px  
4px 4px #AC1E41; box-shadow:4px 4px 4px  
4px #AC1E41 }
```

# Background

The CSS property to change the background color of an element to Hex AC1E41 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#AC1E41 }
```

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

```
.background{ background-color:#AC1E41 }
```

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