

# Converting Colors

Hex(CA0E38)

Have a look what the booklet for  
Hex(CA0E38) contains.

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# Color

**Hex(CA0E38)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CA0E38
RGB	202, 14, 56
RGB Percent	79%, 5%, 22%
CMY	0.2078, 0.9451, 0.7804
CMYK	0.00, 0.93, 0.72, 0.21
HSL	347°, 87%, 42%
HSV	347°, 93%, 79%
XYZ	25.2280, 13.1562, 4.9511
YIQ	75.0000, 98.5660, 52.9180

# Conversions

## Conversions Part 2

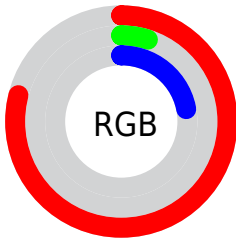
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">202, 14, 56</a>
Decimal	<a href="#">13241912</a>
CIELab	<a href="#">43.00, 67.03, 30.33</a>
CIElCh	<a href="#">43, 73.574, 24.349</a>
Yxy	<a href="#">13.1562, 0.5822, 0.3036</a>
Android (android.graphics.Color)	<a href="#">4291431992 (0xFFCA0E38)</a>
YUV	<a href="#">75.0000, -9.3670, 111.3790</a>
Hunter-Lab	<a href="#">36.2714, 60.6777, 17.2968</a>

# Details

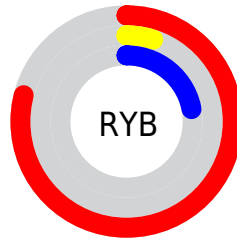
The Hex color **CA0E38** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **0ECAA0**, and the grayscale version is **4B4B4B**.

A 20% lighter version of the original color is **FF5967**, and **8B000F** is the 20% darker color. If you saturate the color by 10%, you get **CA002D**, and if you desaturate by 10%, it is **CA2248**.

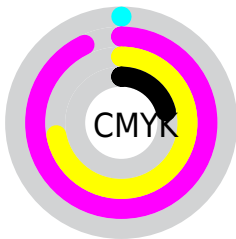
# Distribution



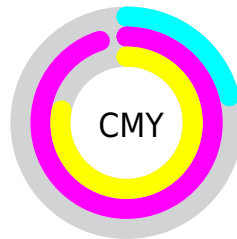
- Red (79%)
- Green (5%)
- Blue (22%)



- Red (79%)
- Yellow (5%)
- Blue (22%)



- Cyan (0%)
- Magenta (93%)
- Yellow (72%)
- Black (21%)



- Cyan (21%)
- Magenta (95%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color CA0E38 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 CA0E38 by changing the saturation by 10% instead.



 CA0E38

 CA0E38

FFFFFF

 AA0023

 FF5967

 8B000F

 FF7780

 6C0000

 FF949A

 4E0002

 FFB1B5

 300002

 FFCED0

 000000

 FFECEC

 CA0E38

 CA0E38

 CA002D

 CA2248

 CA3657

 CA4B67

 CA5F77

 CA7386

 CA8796

 CA9BA6

 CAB0B5

 CAC4C5

# Harmonies

## Analogous

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



C80074



CA0E38



B14200

# Triad

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



CA0E38



007A11



0071E1

# Complementary

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



CA0E38



0ECAA0

# 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.



007CC9



CA0E38



007E58

# Square

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



CA0E38



4C7100



007F97



385BD6

# Rectangle

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



CA0E38



965700



007F97



0076DC



# Sweetspot

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



CA0E38



FFB8C8



9E0ECA



80545E



000000



808080



# Same Dimension

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



CA0E38



FF0039



CA400E



665C5E



A60025



260009



# Inverse Universe

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



CA0E38



FF0039



0E98CA



665C5E



A60025



260009



# Previews

## White Background



This preview shows how the Hex color CA0E38 looks on a white background.

## Color Contrast Check

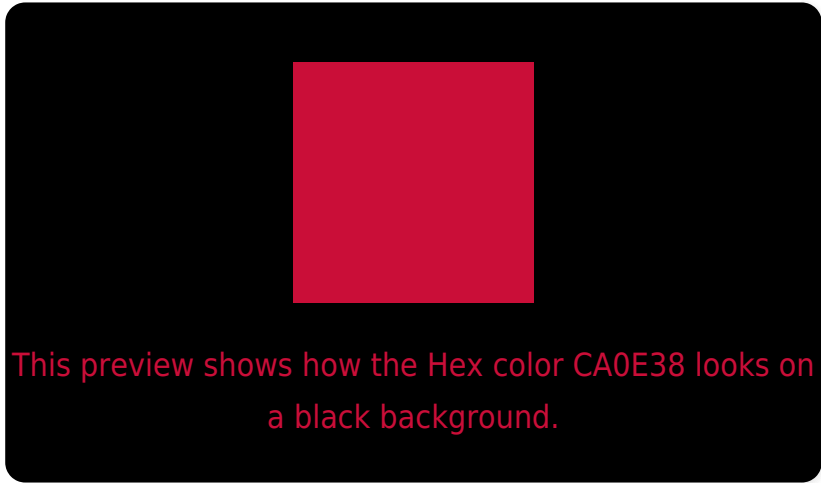
Large Text (above 18pt) WCAG AA ✓ Pass

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 CA0E38 Background



This preview shows how black text looks on a background with the Hex color CA0E38.

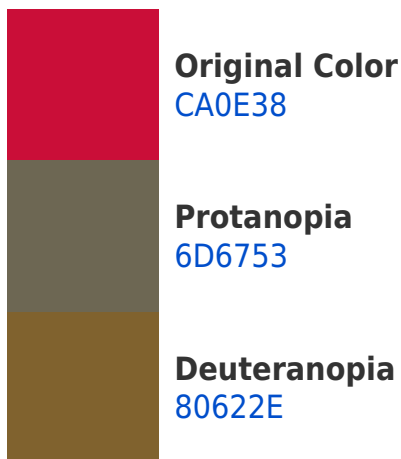


This preview shows how white text looks on a background with the Hex color CA0E38.

# Color Blindness Simulation

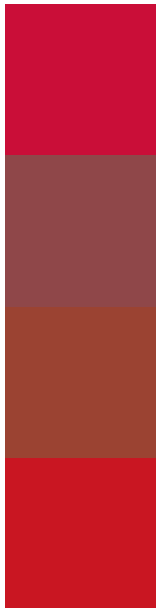
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy





# Trichromacy



**Original Color**  
CA0E38

**Protanomaly**  
8F4749

**Deuteranomaly**  
9B4332

**Tritanomaly**  
C91622

# Monochromacy



**Original Color**  
CA0E38

**Achromatopsia**  
4B4B4B

**Achromatomaly**  
793544

# CSS Examples

## Text

The CSS property to change the color of the text to Hex CA0E38 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 #CA0E38 looks like.

```
.text, #text, p{  
    color:#CA0E38  
}
```

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 #CA0E38 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #CA0E38
}
```

## Border

The CSS property to change the border of an element to Hex CA0E38 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
#CA0E38 }
```

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

```
.border{ border-color:#CA0E38 }
```

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

Here you see how a box with a 4 pixel #CA0E38 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #CA0E38; -webkit-box-shadow:4px 4px  
4px 4px #CA0E38; box-shadow:4px 4px 4px  
4px #CA0E38 }
```

# Background

The CSS property to change the background color of an element to Hex CA0E38 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#CA0E38 }
```

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

```
.background{ background-color:#CA0E38 }
```

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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