

# Converting Colors

Hex(CB0037)

Have a look what the booklet for  
Hex(CB0037) contains.

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**Color**

**Hex(CB0037)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CB0037
RGB	203, 0, 55
RGB Percent	80%, 0%, 22%
CMY	0.2039, 1.0000, 0.7843
CMYK	0.00, 1.00, 0.73, 0.20
HSL	344°, 100%, 40%
HSV	344°, 100%, 80%
XYZ	25.3182, 12.9723, 4.7839
YIQ	66.9670, 103.3330, 60.1410

# Conversions

## Conversions Part 2

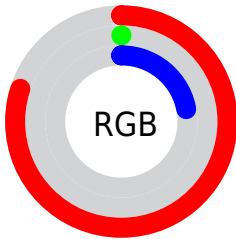
Format	Color
<a href="#">RYB</a>	203, 0, 55
Decimal	13303863
CIELab	42.72, 68.60, 30.67
CIELCh	43, 75.147, 24.089
Yxy	12.9723, 0.5878, 0.3012
Android (android.graphics.Color)	4291493943 (0xFFCB0037)
YUV	66.9670, -5.8997, 119.3009
Hunter-Lab	36.0171, 62.4463, 17.3369

# Details

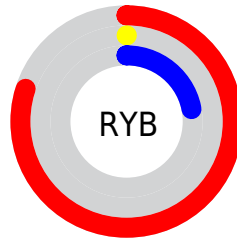
The Hex color **CB0037** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **00CB94**, and the grayscale version is **434343**.

A 20% lighter version of the original color is **FF5666**, and **8C000E** is the 20% darker color. If you saturate the color by 10%, you get **CB0037**, and if you desaturate by 10%, it is **CB1446**.

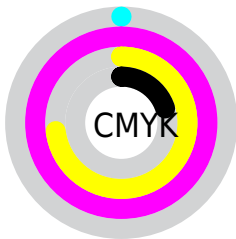
# Distribution



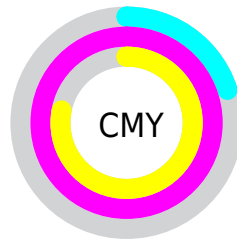
- Red (80%)
- Green (0%)
- Blue (22%)



- Red (80%)
- Yellow (0%)
- Blue (22%)



- Cyan (0%)
- Magenta (100%)
- Yellow (73%)
- Black (20%)



- Cyan (20%)
- Magenta (100%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color CB0037 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 CB0037 by changing the saturation by 10% instead.



 CB0037

 CB0037

FFFFFF

 AB0022

 FF5666

 8C000E

 FF747F

 6D0000

 FF9198

 4F0003

 FFAEB3

 300002

 FFCCCF

 000000

 FFE9EB

 CB0037

 CB1446

 CB2955

 CB3D63

 CB5172

 CB6681

 CB7A90

 CB8E9F

 CBA2AD

 CBB7BC

# Harmonies

## Analogous

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



C90074



CB0037



B23F00

# Triad

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



CB0037



00790B



0071E2

# Complementary

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



CB0037



00CB94

# 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.



007CCA



CB0037



007D56

# Square

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



CB0037



4B7000



007E96



315AD8

# Rectangle

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



CB0037



965600



007E96



0076DE



# Sweetspot

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



CB0037



FFB3C7



9100CB



80525E



000000



808080



# Same Dimension

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



CB0037



FF0045



CB2C00



665C5F



A6002D



26000A



# Inverse Universe

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



CB0037



FF0045



009FCB



665C5F



A6002D



26000A



# Previews

## White Background



This preview shows how the Hex color CB0037 looks on a white background.

## Color Contrast Check

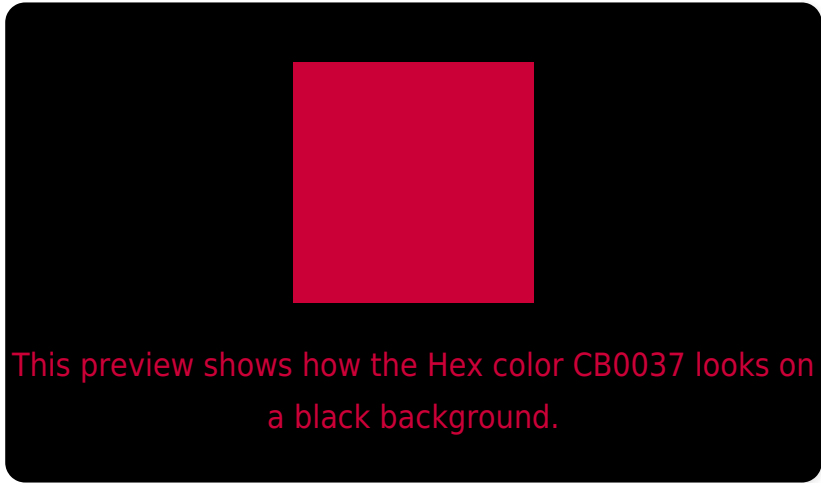
Large Text (above 18pt) WCAG AA ✓ Pass

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 CB0037 Background



This preview shows how black text looks on a background with the Hex color CB0037.



This preview shows how white text looks on a background with the Hex color CB0037.

# 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**  
CB0037



**Protanomaly**  
904248



**Deuteranomaly**  
9B3E30



**Tritanomaly**  
CA0F1E

# Monochromacy



**Original Color**  
CB0037



**Achromatopsia**  
434343



**Achromatomaly**  
742B3F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex CB0037 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 #CB0037 looks like.

```
.text, #text, p{  
    color:#CB0037  
}
```

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 #CB0037 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #CB0037
}
```

## Border

The CSS property to change the border of an element to Hex CB0037 is called "border". The border property can be set on classes, ids or directly on the HTML element.

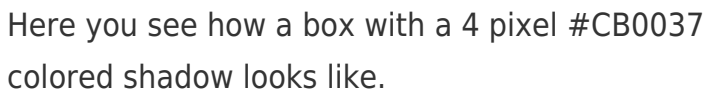
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#CB0037 }
```

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

```
.border{ border-color:#CB0037 }
```

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



Here you see how a box with a 4 pixel `#CB0037` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #CB0037; -webkit-box-shadow:4px 4px  
4px 4px #CB0037; box-shadow:4px 4px 4px  
4px #CB0037 }
```

# Background

The CSS property to change the background color of an element to Hex CB0037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#CB0037 }
```

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

```
.background{ background-color:#CB0037 }
```

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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