

# Converting Colors

Hex(C50000)

Have a look what the booklet for  
Hex(C50000) contains.

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**Color**

**Hex(C50000)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C50000
RGB	197, 0, 0
RGB Percent	77%, 0%, 0%
CMY	0.2275, 1.0000, 1.0000
CMYK	0.00, 1.00, 1.00, 0.23
HSL	0°, 100%, 39%
HSV	0°, 100%, 77%
XYZ	23.0260, 11.8703, 1.0776
YIQ	58.9030, 117.4120, 41.7640

# Conversions

## Conversions Part 2

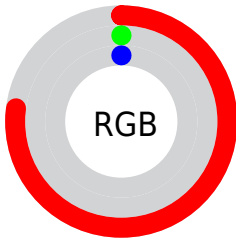
Format	Color
<a href="#">RYB</a>	197, 0, 0
Decimal	12910592
CIELab	41.01, 65.97, 55.35
CIELCh	41, 86.112, 40.000
Yxy	11.8703, 0.6401, 0.3300
Android (android.graphics.Color)	4291100672 (0xFFC50000)
YUV	58.9030, -29.0392, 121.1111
Hunter-Lab	34.4533, 59.0024, 22.2629

# Details

The Hex color **C50000** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **00C5C5**, and the grayscale version is **3B3B3B**.

A 20% lighter version of the original color is **FF5334**, and **840000** is the 20% darker color. If you saturate the color by 10%, you get **C50000**, and if you desaturate by 10%, it is **C51414**.

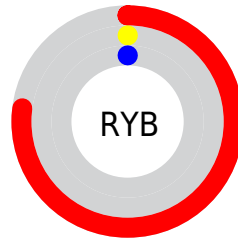
# Distribution



Red (77%)

Green (0%)

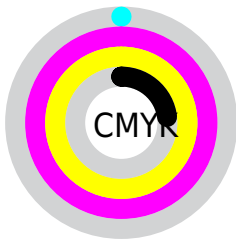
Blue (0%)



Red (77%)

Yellow (0%)

Blue (0%)

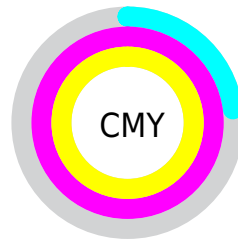


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (23%)



Cyan (23%)

Magenta (100%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color C50000 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 C50000 by changing the saturation by 10% instead.



 C50000

 C50000

 FFFFED

 A50000

 FF5334

 840000

 FF714C

 650000

 FF8E65

 480003

 FFAB7F

 280001

 FFC899

 000000

 FFE5B5

 FFFFD1

 C50000

 C51414

 C52727

 C53B3B

 C54F4F

 C56363

 C57676

 C58A8A

 C59E9E

 C5B1B1

# Harmonies

## Analogous

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



D5004D



C50000



9C4A00

# Triad

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



C50000



00792B



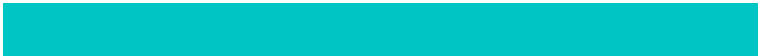
0064EF

# Complementary

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



C50000



00C5C5

# 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.



0076E8



C50000



007C78

# Square

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



C50000



007300



007CBC



783DCF

# Rectangle

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



C50000



775F00



007CBC



006CF2



# Sweetspot

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



C50000



FFB3B3



C500C5



805252



000000



808080



# Same Dimension

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



C50000



FF0000



C56300



635A5A



A30000



240000



# Inverse Universe

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



00C5C5



00FFFF



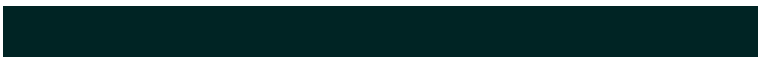
0063C5



5A6363



00A3A3



002424



# Previews

## White Background



This preview shows how the Hex color C50000 looks on a white background.

## Color Contrast Check

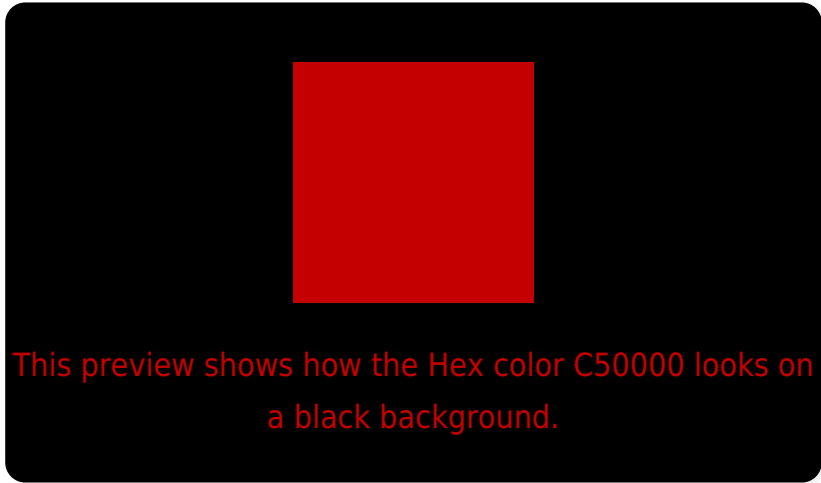
Large Text (above 18pt) WCAG AA ✓ Pass

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 C50000 Background



This preview shows how black text looks on a background with the Hex color C50000.



This preview shows how white text looks on a background with the Hex color C50000.

# 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**  
C50000

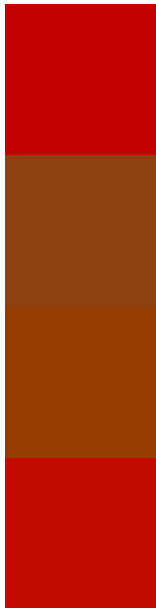
**Protanopia**  
70641A

**Deuteranopia**  
7D5E00



**Tritanopia**  
C31200

# Trichromacy



**Original Color**  
C50000

**Protanomaly**  
8F4011

**Deuteranomaly**  
973C00

**Tritanomaly**  
C40B00

# Monochromacy



**Original Color**  
C50000

**Achromatopsia**  
3B3B3B

**Achromatomaly**  
6D2626

# CSS Examples

## Text

The CSS property to change the color of the text to Hex C50000 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 #C50000 looks like.

```
.text, #text, p{  
    color:#C50000  
}
```

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 #C50000 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #C50000
}
```

## Border

The CSS property to change the border of an element to Hex C50000 is called "border". The border property can be set on classes, ids or directly on the HTML element.

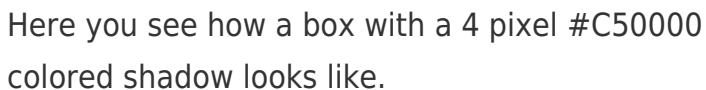
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#C50000 }
```

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

```
.border{ border-color:#C50000 }
```

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



Here you see how a box with a 4 pixel `#C50000` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #C50000; -webkit-box-shadow:4px 4px  
4px 4px #C50000; box-shadow:4px 4px 4px  
4px #C50000 }
```

# Background

The CSS property to change the background color of an element to Hex C50000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#C50000 }
```

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

```
.background{ background-color:#C50000 }
```

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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