

# Converting Colors

Hex(C70505)

Have a look what the booklet for  
Hex(C70505) contains.

<b>Hex(C70505)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(C70505)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C70505
RGB	199, 5, 5
RGB Percent	78%, 2%, 2%
CMY	0.2196, 0.9804, 0.9804
CMYK	0.00, 0.97, 0.97, 0.22
HSL	0°, 95%, 40%
HSV	0°, 97%, 78%
XYZ	23.6349, 12.2616, 1.2646
YIQ	63.0060, 115.6240, 41.1280

# Conversions

## Conversions Part 2

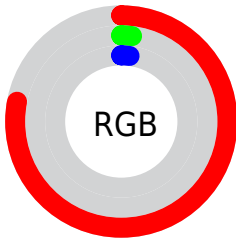
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	199, 5, 5
Decimal	13042949
CIE Lab	41.63, 66.02, 54.07
CIE LCh	42, 85.333, 39.317
Yxy	12.2616, 0.6360, 0.3300
Android (android.graphics.Color)	4291233029 (0xFFC70505)
YUV	63.0060, -28.5970, 119.2667
Hunter-Lab	35.0166, 59.2016, 22.3704

# Details

The Hex color **C70505** 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 **05C7C7**, and the grayscale version is **3F3F3F**.

A 20% lighter version of the original color is **FF5538**, and **870000** is the 20% darker color. If you saturate the color by 10%, you get **C70000**, and if you desaturate by 10%, it is **C71919**.

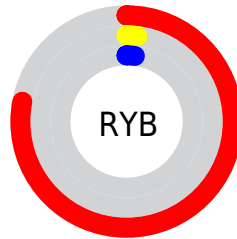
# Distribution



Red (78%)

Green (2%)

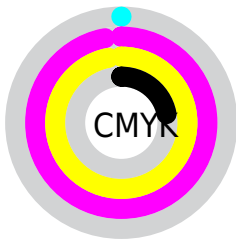
Blue (2%)



Red (78%)

Yellow (2%)

Blue (2%)

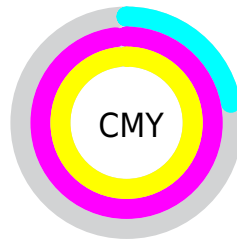


Cyan (0%)

Magenta (97%)

Yellow (97%)

Black (22%)



Cyan (22%)

Magenta (98%)

Yellow (98%)

# Brightness & Saturation Gradients

These gradients show how the Hex color C70505 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 C70505 by changing the saturation by 10% instead.



 C70505

 C70505

 FFFFF2

 A70000

 FF5538

 870000

 FF7350

 670000

 FF8F69

 4A0003

 FFAC83

 2B0001

 FFCA9E

 000000

 FFE7B9

 FFFF5D

 C70505

 C70505

■ C70000

■ C71919

■ C72D2D

■ C74141

■ C75555

■ C76969

■ C77C7C

■ C79090

■ C7A4A4

■ C7B8B8

# Harmonies

## Analogous

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



D60050



C70505



9E4B00

# Triad

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



C70505



007B2C



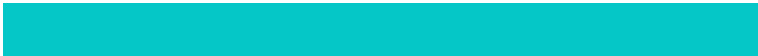
0066F0

# Complementary

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



C70505



05C7C7

# 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.



0077E8



C70505



007D77

# Square

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



C70505



007400



007DBB



7840D1

# Rectangle

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



C70505



7A5F00



007DBB



006DF2



# Sweetspot

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



C70505



FFB5B5



C705C7



805353



000000



808080



# Same Dimension

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



C70505



FF0000



C76605



635A5A



A30000



240000



# Inverse Universe

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



05C7C7



00FFFF



0566C7



5A6363



00A3A3

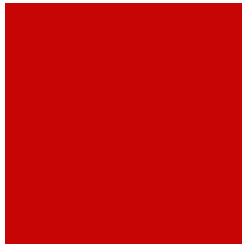


002424



# Previews

## White Background



This preview shows how the Hex color C70505 looks on a white background.

## Color Contrast Check

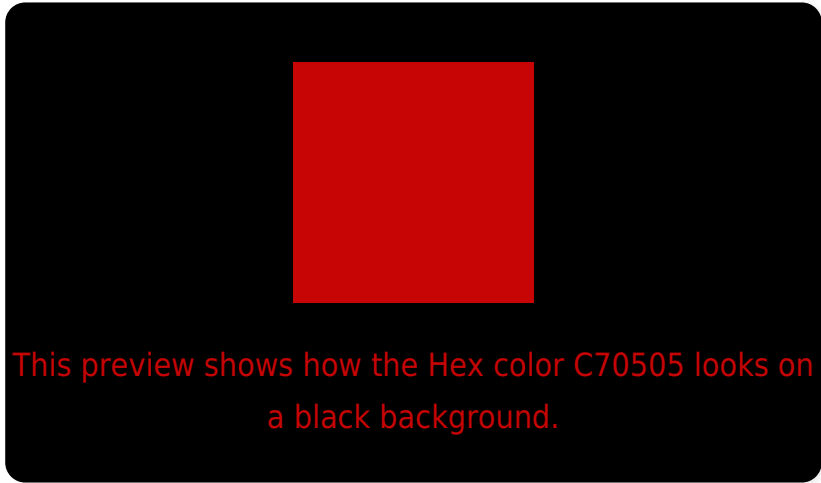
Large Text (above 18pt) WCAG AA ✓ Pass

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 C70505 Background



This preview shows how black text looks on a background with the Hex color C70505.



This preview shows how white text looks on a background with the Hex color C70505.

# 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**  
C70505

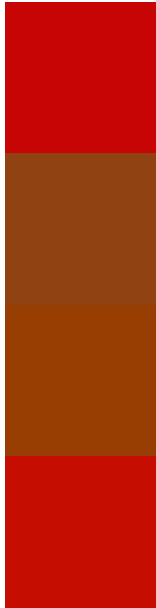
**Protanopia**  
71651A

**Deuteranopia**  
7F5F00



**Tritanopia**  
C61200

# Trichromacy



**Original Color**  
C70505

**Protanomaly**  
904212

**Deuteranomaly**  
993E02

**Tritanomaly**  
C60D02

# Monochromacy



**Original Color**  
C70505

**Achromatopsia**  
3F3F3F

**Achromatomaly**  
702A2A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex C70505 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 #C70505 looks like.

```
.text, #text, p{  
    color:#C70505  
}
```

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 #C70505 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #C70505
}
```

## Border

The CSS property to change the border of an element to Hex C70505 is called "border". The border property can be set on classes, ids or directly on the HTML element.

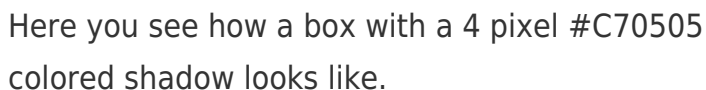
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#C70505 }
```

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

```
.border{ border-color:#C70505 }
```

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



Here you see how a box with a 4 pixel `#C70505` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #C70505; -webkit-box-shadow:4px 4px  
4px 4px #C70505; box-shadow:4px 4px 4px  
4px #C70505 }
```

# Background

The CSS property to change the background color of an element to Hex C70505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#C70505 }
```

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

```
.background{ background-color:#C70505 }
```

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**