

# Converting Colors

Hex(C70B20)

Have a look what the booklet for  
Hex(C70B20) contains.

|  |    |
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**Color**

**Hex(C70B20)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | C70B20                     |
| RGB           | 199, 11, 32                |
| RGB Percent   | 78%, 4%, 13%               |
| CMY           | 0.2196, 0.9569, 0.8745     |
| CMYK          | 0.00, 0.94, 0.84, 0.22     |
| HSL           | 353°, 90%, 41%             |
| HSV           | 353°, 94%, 78%             |
| XYZ           | 23.9336, 12.4857, 2.5150   |
| YIQ           | 69.6060, 105.3070, 46.3870 |

# Conversions

## Conversions Part 2

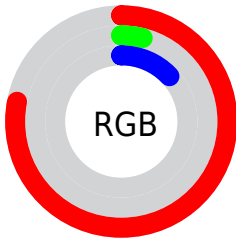
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>RYB</b>                          | 199, 11, 32                    |
| Decimal                             | 13044512                       |
| CIELab                              | 41.98, 65.83, 43.00            |
| CIELCh                              | 42, 78.634, 33.153             |
| Yxy                                 | 12.4857, 0.6147,<br>0.3207     |
| Android<br>(android.graphics.Color) | 4291234592<br>(0xFFC70B20)     |
| YUV                                 | 69.6060, -18.5398,<br>113.4785 |
| Hunter-Lab                          | 35.3352, 59.0669,<br>20.5145   |

# Details

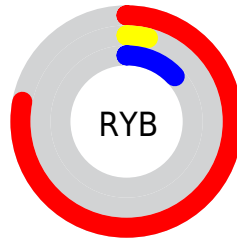
The Hex color **C70B20** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **0BC7B2**, and the grayscale version is **464646**.

A 20% lighter version of the original color is **FF574E**, and **870000** is the 20% darker color. If you saturate the color by 10%, you get **C70016**, and if you desaturate by 10%, it is **C71F32**.

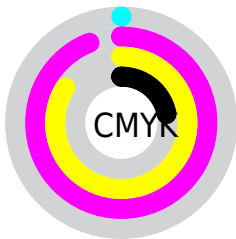
# Distribution



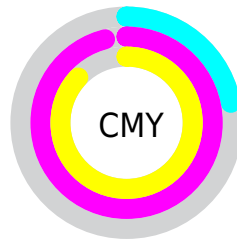
- Red (78%)
- Green (4%)
- Blue (13%)



- Red (78%)
- Yellow (4%)
- Blue (13%)



- Cyan (0%)
- Magenta (94%)
- Yellow (84%)
- Black (22%)



- Cyan (22%)
- Magenta (96%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color C70B20 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 C70B20 by changing the saturation by 10% instead.



 C70B20

 C70B20

FFFFFF

 A7000A

 FF574E

 870000

 FF7466

 680000

 FF917F

 4A0003

 FFAE9A

 2C0001

 FFCCB5

 000000

 FFE9D0

 FFFFED

 C70B20

 C70B20

 C70016

 C71F32

 C73343

 C74755

 C75B67

 C76F78

 C7828A

 C7969C

 C7AAAD

 C7BEBF

# Harmonies

## Analogous

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



CF005F



C70B20



A64700

# Triad

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



C70B20



007A21



006AE7

# Complementary

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



C70B20



0BC7B2

# 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.



0078D8



C70B20



007D68

# Square

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



C70B20



2B7200



007DA9



604DD1

# Rectangle

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



C70B20



865B00



007DA9



0070E6



# Sweetspot

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



C70B20



FFB8C0



B10BC7



805459



000000



808080



# Same Dimension

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



C70B20



FF001C



C7530B



635A5B



A30012



240004



# Inverse Universe

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



C70B20



FF001C



0B7FC7



635A5B



A30012



240004



# Previews

## White Background



This preview shows how the Hex color C70B20 looks on a white background.

## Color Contrast Check

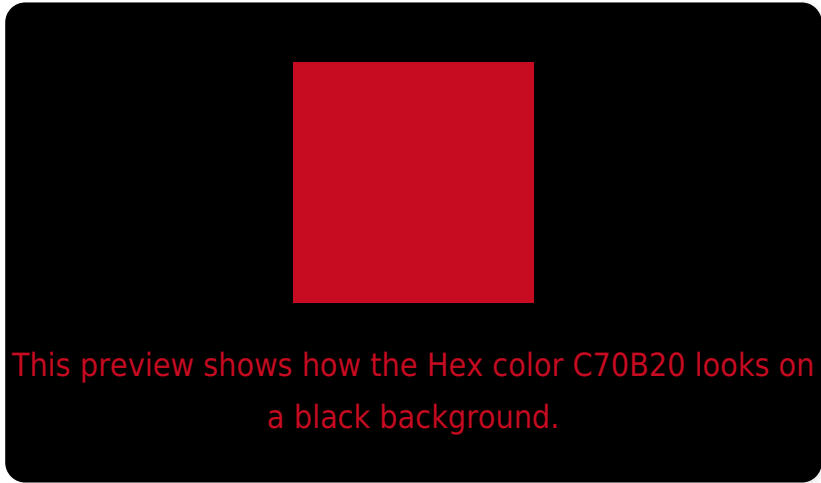
Large Text (above 18pt) WCAG AA ✓ Pass

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 C70B20 Background



This preview shows how black text looks on a background with the Hex color C70B20.



This preview shows how white text looks on a background with the Hex color C70B20.

# 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





**Tritanopia**  
C71100

# Trichromacy



**Original Color**  
C70B20

**Protanomaly**  
8F442C

**Deuteranomaly**  
9A410F

**Tritanomaly**  
C70F0C

# Monochromacy



**Original Color**  
C70B20

**Achromatopsia**  
464646

**Achromatomaly**  
753138

# CSS Examples

## Text

The CSS property to change the color of the text to Hex C70B20 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 #C70B20 looks like.

```
.text, #text, p{  
    color:#C70B20  
}
```

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 #C70B20 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #C70B20
}
```

## Border

The CSS property to change the border of an element to Hex C70B20 is called "border". The border property can be set on classes, ids or directly on the HTML element.

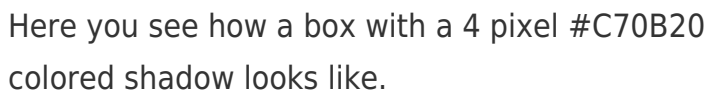
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#C70B20 }
```

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

```
.border{ border-color:#C70B20 }
```

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



Here you see how a box with a 4 pixel `#C70B20` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #C70B20; -webkit-box-shadow:4px 4px  
4px 4px #C70B20; box-shadow:4px 4px 4px  
4px #C70B20 }
```

# Background

The CSS property to change the background color of an element to Hex C70B20 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#C70B20 }
```

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

```
.background{ background-color:#C70B20 }
```

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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