

# Converting Colors

Hex(C72F21)

Have a look what the booklet for  
Hex(C72F21) contains.

<b>Hex(C72F21)</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(C72F21)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C72F21
RGB	199, 47, 33
RGB Percent	78%, 18%, 13%
CMY	0.2196, 0.8157, 0.8706
CMYK	0.00, 0.76, 0.83, 0.22
HSL	5°, 72%, 45%
HSV	5°, 83%, 78%
XYZ	24.8442, 14.2849, 2.8867
YIQ	90.8520, 95.0860, 27.8700

# Conversions

## Conversions Part 2

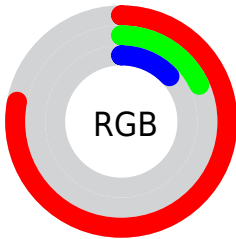
Format	Color
R <sub>Y</sub> B	199, 48, 33
Decimal	13053729
CIE Lab	44.64, 58.32, 44.91
CIE LCh	45, 73.609, 37.602
Yxy	14.2849, 0.5913, 0.3400
Android (android.graphics.Color)	4291243809 (0xFFC72F21)
YUV	90.8520, -28.5210, 94.8458
Hunter-Lab	37.7954, 51.1921, 21.9284

# Details

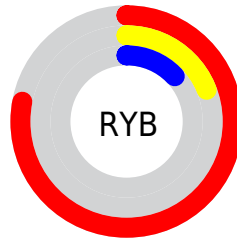
The Hex color **C72F21** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **21B9C7**, and the grayscale version is **5B5B5B**.

A 20% lighter version of the original color is **FF6950**, and **880000** is the 20% darker color. If you saturate the color by 10%, you get **C71D0D**, and if you desaturate by 10%, it is **C74135**.

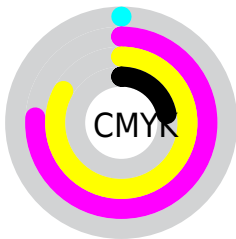
# Distribution



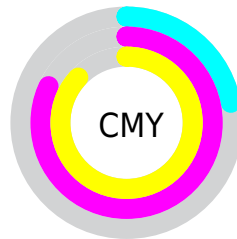
- Red (78%)
- Green (18%)
- Blue (13%)



- Red (78%)
- Yellow (19%)
- Blue (13%)



- Cyan (0%)
- Magenta (76%)
- Yellow (83%)
- Black (22%)



- Cyan (22%)
- Magenta (82%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color C72F21 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 C72F21 by changing the saturation by 10% instead.



 C72F21

 C72F21

FFFFFF

 A7020A

 FF6950

 880000

 FF8568

 690000

 FFA282

 4B0001

 FFBE9C

 2E0002

 FFDBB8

 000000

 FFF9D3

 FFFFF0

 C72F21

 C72F21

■ C71D0D

■ C74135

■ C71100

■ C75349

■ C7665D

■ C77871

■ C78A85

■ C79C98

■ C7AFAC

■ C7C1C0

■ C7D3D4

# Harmonies

## Analogous

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



D2005D



C72F21



A55400

# Triad

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



C72F21



008037



006DE5

# Complementary

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



C72F21



21B9C7

# 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.



007DDC



C72F21



008378

# Square

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



C72F21



2A7A00



0083B4



7A50CC

# Rectangle

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



C72F21



856600



0083B4



0073E6



# Sweetspot

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



C72F21



FFC5BF



C721B9



805C59



000000



808080



# Same Dimension

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



C72F21



FF1600



C78221



635A5A



A30E00



240300



# Inverse Universe

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



21B9C7



00E9FF



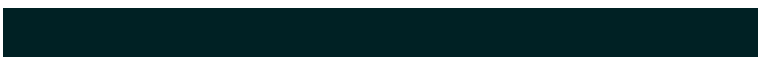
2166C7



5A6363



0095A3



002124



# Previews

## White Background



This preview shows how the Hex color C72F21 looks on a white background.

## Color Contrast Check

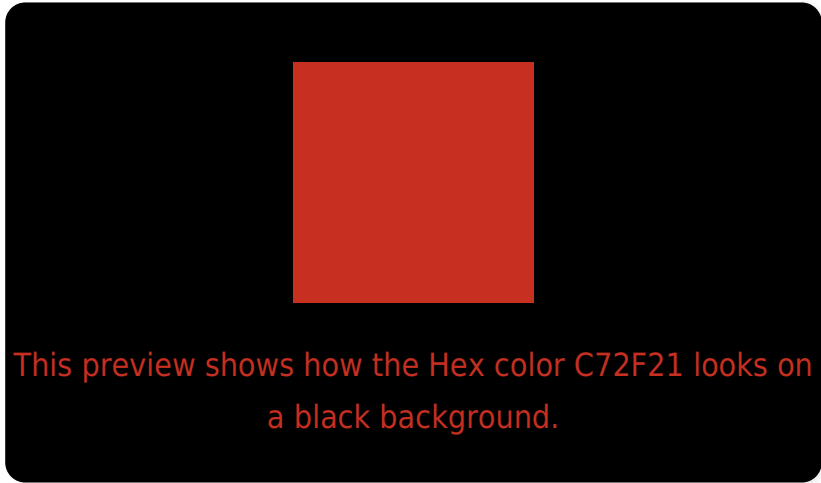
Large Text (above 18pt) WCAG AA ✓ Pass

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 C72F21 Background



This preview shows how black text looks on a background with the Hex color C72F21.



This preview shows how white text looks on a background with the Hex color C72F21.

# 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**  
C72F21

**Protanopia**  
766B30

**Deuteranopia**  
87650E



# Trichromacy



**Original Color**  
C72F21

**Protanomaly**  
93552B

**Deuteranomaly**  
9E5115

**Tritanomaly**  
C72E29

# Monochromacy



**Original Color**  
C72F21

**Achromatopsia**  
5B5B5B

**Achromatomaly**  
824B46

# CSS Examples

## Text

The CSS property to change the color of the text to Hex C72F21 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 #C72F21 looks like.

```
.text, #text, p{  
    color:#C72F21  
}
```

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 #C72F21 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #C72F21
}
```

## Border

The CSS property to change the border of an element to Hex C72F21 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
#C72F21 }
```

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

```
.border{ border-color:#C72F21 }
```

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

Here you see how a box with a 4 pixel #C72F21 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #C72F21; -webkit-box-shadow:4px 4px  
4px 4px #C72F21; box-shadow:4px 4px 4px  
4px #C72F21 }
```

# Background

The CSS property to change the background color of an element to Hex C72F21 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#C72F21 }
```

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

```
.background{ background-color:#C72F21 }
```

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