

# Converting Colors

Hex(F20C12)

Have a look what the booklet for  
Hex(F20C12) contains.

<b>Hex(F20C12)</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(F20C12)

# Conversions

## Conversions Part 1

Format	Color
Hex	F20C12
RGB	242, 12, 18
RGB Percent	95%, 5%, 7%
CMY	0.0510, 0.9529, 0.9294
CMYK	0.00, 0.95, 0.93, 0.05
HSL	358°, 91%, 50%
HSV	358°, 95%, 95%
XYZ	36.8586, 19.1839, 2.3325
YIQ	81.4540, 135.1540, 50.6260

# Conversions

## Conversions Part 2

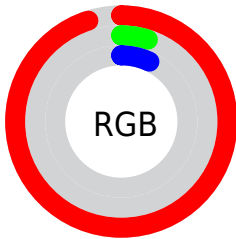
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	242, 12, 18
Decimal	15862802
CIE <sub>Lab</sub>	50.90, 76.25, 59.80
CIE <sub>LCh</sub>	51, 96.902, 38.108
Yxy	19.1839, 0.6314, 0.3286
Android (android.graphics.Color)	4294052882 (0xFFFF20C12)
YUV	81.4540, -31.2828, 140.7988
Hunter-Lab	43.7994, 73.5646, 27.5022

# Details

The Hex color **F20C12** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **0CF2EC**, and the grayscale version is **525252**.

A 20% lighter version of the original color is **FF6044**, and **AF0000** is the 20% darker color. If you saturate the color by 10%, you get **F20006**, and if you desaturate by 10%, it is **F2242A**.

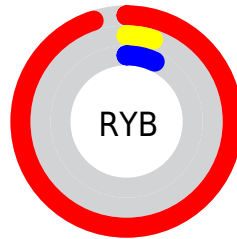
# Distribution



Red (95%)

Green (5%)

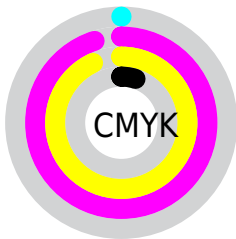
Blue (7%)



Red (95%)

Yellow (5%)

Blue (7%)

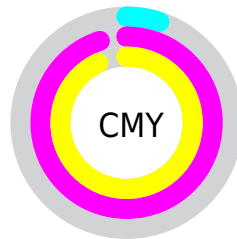


Cyan (0%)

Magenta (95%)

Yellow (93%)

Black (5%)



Cyan (5%)

Magenta (95%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color F20C12 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 F20C12 by changing the saturation by 10% instead.



 F20C12

 F20C12

FFFFFF

 D00000

 FF6044

 AF0000

 FF7F5D

 8E0000

 FF9D77

 6E0002

 FFBB91

 500004

 FFD9AC

 300002

 FFF8C8

 000000

 FFFFE4

 F20C12

 F20C12

 F20006

 F2242A

 F23C41

 F25559

 F26D70

 F28588

 F29D9F

 F2B5B7

 F2CECF

 F2E6E6

# Harmonies

## Analogous

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



FF0067



F20C12



C35C00

# Triad

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



F20C12



009635



007EFF

# Complementary

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



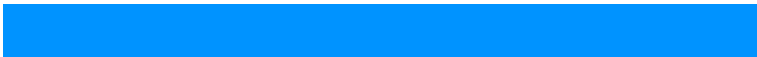
F20C12



0CF2EC

# 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.



0093FF



F20C12



00998F

# Square

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



F20C12



008E00



0099DF



8D54FE

# Rectangle

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



F20C12



987500



0099DF



0087FF



# Sweetspot

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



F20C12



FFB5B7



EA0CF2



805354



000000



808080



# Same Dimension

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



F20C12



FF0007



F2770C



786C6C



B80005



380001



# Inverse Universe

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



F20C12



FF0007



0C87F2



786C6C



B80005



380001



# Previews

## White Background



This preview shows how the Hex color F20C12 looks on a white background.

## Color Contrast Check

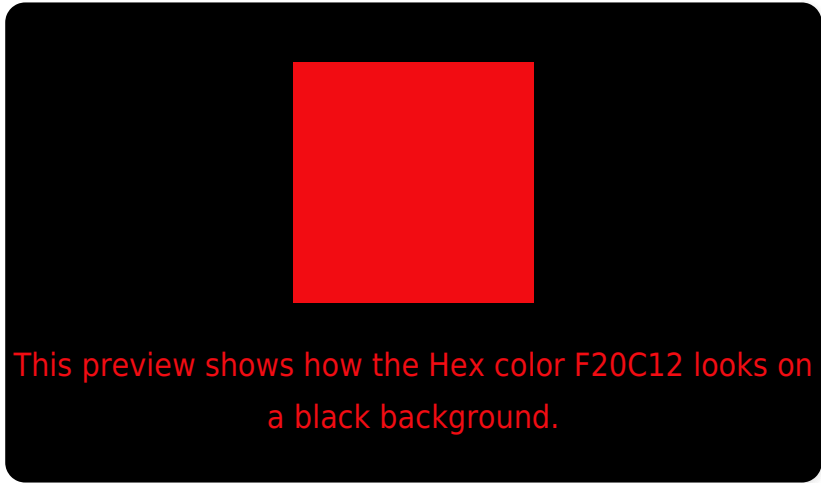
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex F20C12 Background



This preview shows how black text looks on a background with the Hex color F20C12.



This preview shows how white text looks on a background with the Hex color F20C12.

# 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**  
F20C12

**Protanopia**  
897B27

**Deuteranopia**  
9A7400



**Tritanopia**  
F11600

# Trichromacy



**Original Color**  
F20C12



**Protanomaly**  
AF531F



**Deuteranomaly**  
BA4E07



**Tritanomaly**  
F11207

# Monochromacy



**Original Color**  
F20C12



**Achromatopsia**  
515151



**Achromatomaly**  
8C383A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex F20C12 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 #F20C12 looks like.

```
.text, #text, p{  
    color:#F20C12  
}
```

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 #F20C12 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #F20C12 }
}
```

## Border

The CSS property to change the border of an element to Hex F20C12 is called "border". The border property can be set on classes, ids or directly on the HTML element.

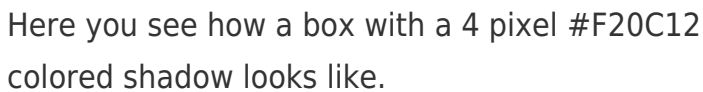
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid #F20C12 }
```

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

```
.border{ border-color:#F20C12 }
```

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



Here you see how a box with a 4 pixel `#F20C12` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #F20C12; -webkit-box-shadow:4px 4px  
4px 4px #F20C12; box-shadow:4px 4px 4px  
4px #F20C12 }
```

# Background

The CSS property to change the background color of an element to Hex F20C12 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#F20C12 }
```

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

```
.background{ background-color:#F20C12 }
```

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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