

# Converting Colors

Hex(F80E01)

Have a look what the booklet for  
Hex(F80E01) contains.

<b>Hex(F80E01)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(F80E01)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F80E01
RGB	248, 14, 1
RGB Percent	97%, 5%, 0%
CMY	0.0275, 0.9451, 0.9961
CMYK	0.00, 0.94, 1.00, 0.03
HSL	3°, 99%, 49%
HSV	3°, 100%, 97%
XYZ	38.8739, 20.2727, 1.8929
YIQ	82.4840, 143.6370, 45.5650

# Conversions

## Conversions Part 2

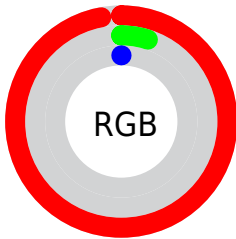
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	248, 15, 1
Decimal	16256513
CIE <sub>Lab</sub>	52.14, 77.42, 65.68
CIE <sub>LCh</sub>	52, 101.527, 40.310
Yxy	20.2727, 0.6369, 0.3321
Android (android.graphics.Color)	4294446593 (0xFFFF80E01)
YUV	82.4840, -40.1716, 145.1575
Hunter-Lab	45.0252, 75.3192, 29.0251

# Details

The Hex color **F80E01** 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 **01EBF8**, and the grayscale version is **535353**.

A 20% lighter version of the original color is **FF623B**, and **B50000** is the 20% darker color. If you saturate the color by 10%, you get **F80D00**, and if you desaturate by 10%, it is **F8251A**.

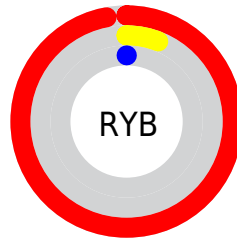
# Distribution



Red (97%)

Green (5%)

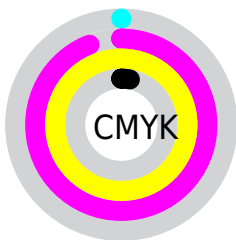
Blue (0%)



Red (97%)

Yellow (6%)

Blue (0%)

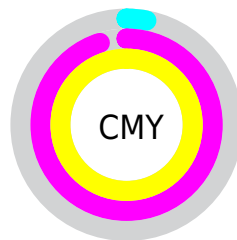


Cyan (0%)

Magenta (94%)

Yellow (100%)

Black (3%)



Cyan (3%)

Magenta (95%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color F80E01 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 F80E01 by changing the saturation by 10% instead.



 F80E01

 F80E01

 FFFFFFF9

 D60000

 FF623B

 B50000

 FF8154

 930000

 FF9F6E

 730001


 FFBD89

 540004

 FFDBA4

 350002

 FFFABF

 010000

 FFFFDC

 000000

 F80E01

 F80E01

 F80D00

 F8251A

 F83D33

 F8544B

 F86C64

 F8837D

 F89B96

 F8B2AF

 F8CAC7

 F8E1E0

# Harmonies

## Analogous

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



FF0063



F80E01



C56100

# Triad

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



F80E01



009B3C



0080FF

# Complementary

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



F80E01



01EBF8

# 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.



0096FF



F80E01



009E9A

# Square

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



F80E01



009300



009EED



9B50FF

# Rectangle

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



F80E01



977A00



009EED



0089FF



# Sweetspot

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



F80E01



FFB7B3



F801EC



805452



000000



808080



# Same Dimension

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



F80E01



FF0D00



F88901



7D7170



BD0A00



3D0300



# Inverse Universe

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



01EBF8



00F2FF



0170F8



707C7D



00B3BD



003A3D



# Previews

## White Background



This preview shows how the Hex color F80E01 looks on a white background.

## Color Contrast Check

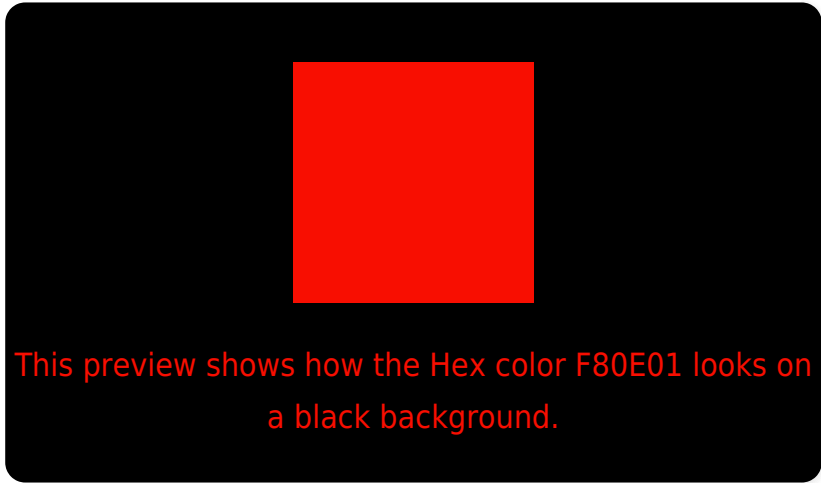
Large Text (above 18pt) WCAG AA ✓ Pass

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 F80E01 Background



This preview shows how black text looks on a background with the Hex color F80E01.



This preview shows how white text looks on a background with the Hex color F80E01.

# 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**  
F80E01

**Protanopia**  
8D7E20

**Deuteranopia**  
9E7700



**Tritanopia**  
F71700

# Trichromacy



**Original Color**  
F80E01



**Protanomaly**  
B45515



**Deuteranomaly**  
BF5100



**Tritanomaly**  
F71400

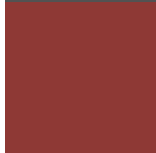
# Monochromacy



**Original Color**  
F80E01



**Achromatopsia**  
525252



**Achromatomaly**  
8E3935

# CSS Examples

## Text

The CSS property to change the color of the text to Hex F80E01 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 #F80E01 looks like.

```
.text, #text, p{  
    color:#F80E01  
}
```

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 #F80E01 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #F80E01
}
```

## Border

The CSS property to change the border of an element to Hex F80E01 is called "border". The border property can be set on classes, ids or directly on the HTML element.

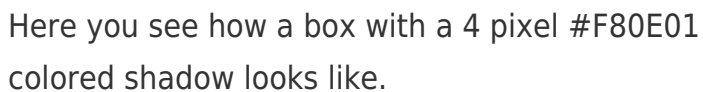
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#F80E01 }
```

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

```
.border{ border-color:#F80E01 }
```

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



Here you see how a box with a 4 pixel #F80E01 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #F80E01; -webkit-box-shadow:4px 4px  
4px 4px #F80E01; box-shadow:4px 4px 4px  
4px #F80E01 }
```

# Background

The CSS property to change the background color of an element to Hex F80E01 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#F80E01 }
```

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

```
.background{ background-color:#F80E01 }
```

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