

# Converting Colors

Hex(013F1F)

Have a look what the booklet for  
Hex(013F1F) contains.

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# Color

**Hex(013F1F)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | 013F1F                      |
| RGB         | 1, 63, 31                   |
| RGB Percent | 0%, 25%, 12%                |
| CMY         | 0.9961, 0.7529, 0.8784      |
| CMYK        | 0.98, 0.00, 0.51, 0.75      |
| HSL         | 149°, 97%, 13%              |
| HSV         | 149°, 98%, 25%              |
| XYZ         | 2.0373, 3.6604, 1.8955      |
| YIQ         | 40.8140, -26.6800, -23.0960 |

# Conversions

## Conversions Part 2

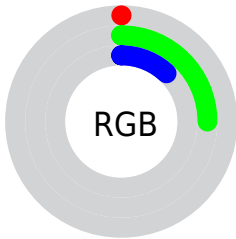
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 1, 43, 63                     |
| Decimal                             | 81695                         |
| CIE <sub>Lab</sub>                  | 22.52, -27.12, 14.57          |
| CIE <sub>LCh</sub>                  | 23, 30.789, 151.752           |
| Yxy                                 | 3.6604, 0.2683,<br>0.4821     |
| Android<br>(android.graphics.Color) | 4278271775<br>(0xFF013F1F)    |
| YUV                                 | 40.8140, -4.8383,<br>-34.9169 |
| Hunter-Lab                          | 19.1322, -14.4732,<br>7.5185  |

# Details

The Hex color **013F1F** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **3F0121**, and the grayscale version is **292929**.

A 20% lighter version of the original color is **386F4B**, and **001000** is the 20% darker color. If you saturate the color by 10%, you get **003F1E**, and if you desaturate by 10%, it is **073F22**.

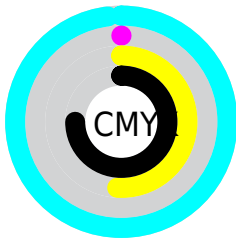
# Distribution



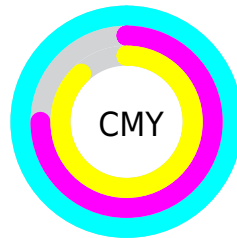
- Red (0%)
- Green (25%)
- Blue (12%)



- Red (0%)
- Yellow (17%)
- Blue (25%)



- Cyan (98%)
- Magenta (0%)
- Yellow (51%)
- Black (75%)




- Cyan (100%)
- Magenta (75%)
- Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 013F1F 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 013F1F by changing the saturation by 10% instead.



 013F1F


 013F1F

 F5FFFF

 002908

 386F4B

 001000

 518963

 000000


 6BA47C


 85BF96

 A0DBB1

 BCF8CD

 D8FFE9

 013F1F

 013F1F

■ 003F1E

■ 073F22

■ 0E3F26

■ 143F29

■ 1A3F2C

■ 213F2F

■ 273F33

■ 2D3F36

■ 333F39

■ 3A3F3C

# Harmonies

## Analogous

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



293B0B



013F1F



004136

# Triad

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



013F1F



003864



5D231F

# Complementary

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



013F1F



3F0121

# 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.



5E2035



013F1F



382F5D

# Square

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



013F1F



003E5E



52254C



522C0C

# Rectangle

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



013F1F



004146



52254C



5F2126



# Sweetspot

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



013F1F



395245



213F01



1A2921



A8A8A8



292929



# Same Dimension

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



013F1F



005227



013F3E



1C1F1D



005E2E



00DE6B



# Inverse Universe

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



3F0121



52002A



3F0102



1F1C1D



5E0031



DE0073



# Previews

## White Background



This preview shows how the Hex color 013F1F 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 ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

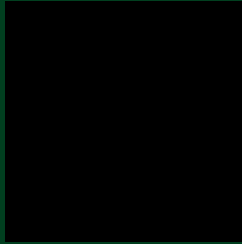
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 013F1F Background



This preview shows how black text looks on a background with the Hex color 013F1F.



This preview shows how white text looks on a background with the Hex color 013F1F.

# 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](#).

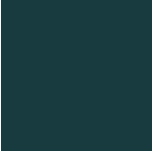
## Dichromacy



**Original Color**  
013F1F

**Protanopia**  
3C361C

**Deuteranopia**  
423422



**Tritanopia**  
183B40

# Trichromacy



**Original Color**  
013F1F

**Protanomaly**  
27391D

**Deuteranomaly**  
2A3821

**Tritanomaly**  
103C34

# Monochromacy



**Original Color**  
013F1F

**Achromatopsia**  
292929

**Achromatomaly**  
1A3125

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 013F1F 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 #013F1F looks like.

```
.text, #text, p{  
    color:#013F1F  
}
```

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 #013F1F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #013F1F
}
```

## Border

The CSS property to change the border of an element to Hex 013F1F 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
#013F1F }
```

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

```
.border{ border-color:#013F1F }
```

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

Here you see how a box with a 4 pixel #013F1F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #013F1F; -webkit-box-shadow:4px 4px  
4px 4px #013F1F; box-shadow:4px 4px 4px  
4px #013F1F }
```

# Background

The CSS property to change the background color of an element to Hex 013F1F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#013F1F }
```

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

```
.background{ background-color:#013F1F }
```

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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