

# Converting Colors

Hex(12571F)

Have a look what the booklet for  
Hex(12571F) contains.

<b>Hex(12571F)</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(12571F)

# Conversions

## Conversions Part 1

Format	Color
Hex	12571F
RGB	18, 87, 31
RGB Percent	7%, 34%, 12%
CMY	0.9294, 0.6588, 0.8784
CMYK	0.79, 0.00, 0.64, 0.66
HSL	131°, 66%, 21%
HSV	131°, 79%, 34%
XYZ	3.9050, 7.0439, 2.4501
YIQ	59.9850, -23.1480, -32.0440

# Conversions

## Conversions Part 2

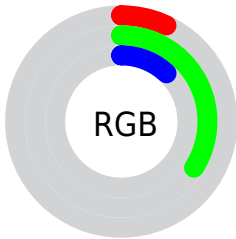
<b>Format</b>	<b>Color</b>
<b>RYB</b>	18, 76, 87
Decimal	1201951
CIELab	31.91, -33.96, 26.13
CIElCh	32, 42.855, 142.424
Yxy	7.0439, 0.2914, 0.5257
Android (android.graphics.Color)	4279392031 (0xFF12571F)
YUV	59.9850, -14.2896, -36.8208
Hunter-Lab	26.5404, -20.1824, 13.1048

# Details

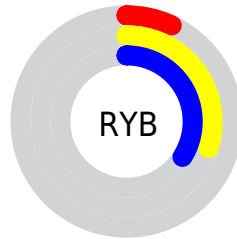
The Hex color **12571F** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **57124A**, and the grayscale version is **3C3C3C**.

A 20% lighter version of the original color is **498A4D**, and **002900** is the 20% darker color. If you saturate the color by 10%, you get **095718**, and if you desaturate by 10%, it is **1B5726**.

# Distribution



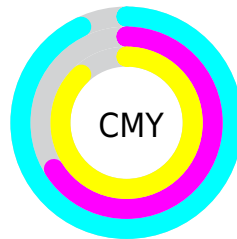
- Red (7%)
- Green (34%)
- Blue (12%)



- Red (7%)
- Yellow (30%)
- Blue (34%)



- Cyan (79%)
- Magenta (0%)
- Yellow (64%)
- Black (66%)



- Cyan (93%)
- Magenta (66%)
- Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 12571F 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 12571F by changing the saturation by 10% instead.



 12571F

 12571F

FFFFFF

 003F08

 498A4D

 002900

 63A466

 000D00

 7EC07F

 000000

 99DC99

 B5F8B4

 D1FFD0

 EEFFEC

 12571F

 12571F

■ 095718

■ 1B5726

■ 015711

■ 23572D

■ 005710

■ 2C5734

■ 35573B

■ 3D5742

■ 465749

■ 4F5750

■ 585757

■ 60575F

# Harmonies

## Analogous

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



435100



12571F



005A41

# Triad

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



12571F



00528E



862B34

# Complementary

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



12571F



57124A

# 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.



832955



12571F



39468A

# Square

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



12571F



005880



6B3675



7A3815

# Rectangle

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



12571F



005B59



6B3675



87283F



# Sweetspot

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



12571F



55705A



4A5712



28382B



B8B8B8



383838



# Same Dimension

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



12571F



06701A



125741



272B28



006B14



00EB2C



# Inverse Universe

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



57124A



70065C



571228



2B272B



6B0057

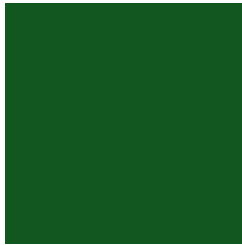


EB00BE



# Previews

## White Background



This preview shows how the Hex color 12571F looks on a white background.

## Color Contrast Check

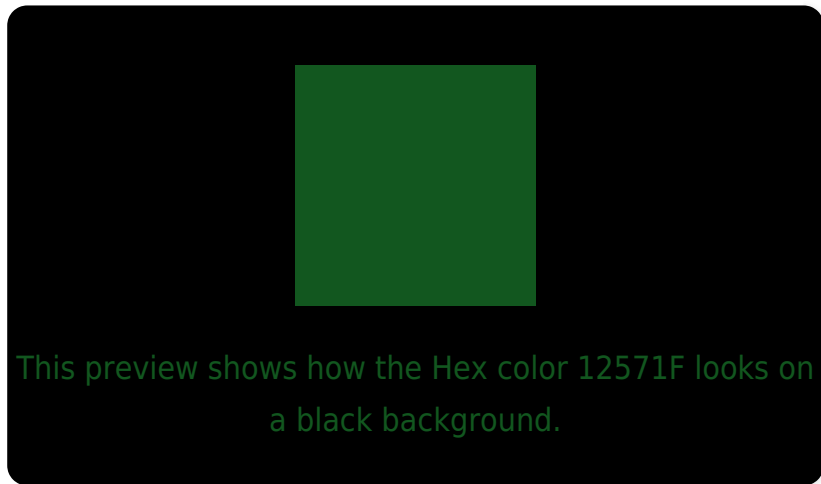
Large Text (above 18pt) WCAG AA ✓ Pass

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

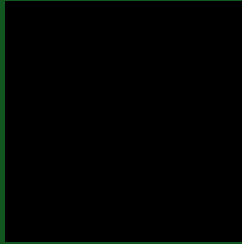
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 12571F Background



This preview shows how black text looks on a background with the Hex color 12571F.



This preview shows how white text looks on a background with the Hex color 12571F.

# 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**  
12571F

**Protanopia**  
544B1C

**Deuteranopia**  
5C4724



**Tritanopia**  
275158

# Trichromacy



**Original Color**  
12571F

**Protanomaly**  
3C4F1D

**Deuteranomaly**  
414D22

**Tritanomaly**  
1F5343

# Monochromacy



**Original Color**  
12571F

**Achromatopsia**  
3C3C3C

**Achromatomaly**  
2D4631

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 12571F 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 #12571F looks like.

```
.text, #text, p{  
    color:#12571F  
}
```

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 #12571F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12571F
}
```

## Border

The CSS property to change the border of an element to Hex 12571F 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
#12571F }
```

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

```
.border{ border-color:#12571F }
```

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

Here you see how a box with a 4 pixel #12571F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12571F; -webkit-box-shadow:4px 4px  
4px 4px #12571F; box-shadow:4px 4px 4px  
4px #12571F }
```

# Background

The CSS property to change the background color of an element to Hex 12571F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12571F }
```

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

```
.background{ background-color:#12571F }
```

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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