

# Converting Colors

Hex(133D1F)

Have a look what the booklet for  
Hex(133D1F) contains.

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# Color

Hex(133D1F)

# Conversions

## Conversions Part 1

Format	Color
Hex	133D1F
RGB	19, 61, 31
RGB Percent	7%, 24%, 12%
CMY	0.9255, 0.7608, 0.8784
CMYK	0.69, 0.00, 0.49, 0.76
HSL	137°, 53%, 16%
HSV	137°, 69%, 24%
XYZ	2.1846, 3.5749, 1.8712
YIQ	45.0220, -15.4020, -18.2340

# Conversions

## Conversions Part 2

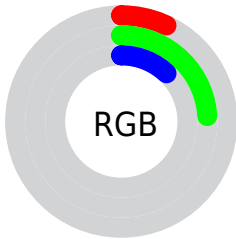
<b>Format</b>	<b>Color</b>
<b>RYB</b>	19, 52, 61
Decimal	1260831
CIELab	22.21, -22.55, 14.27
CIELCh	22, 26.687, 147.668
Yxy	3.5749, 0.2863, 0.4685
Android (android.graphics.Color)	4279450911 (0xFF133D1F)
YUV	45.0220, -6.9128, -22.8213
Hunter-Lab	18.9073, -12.4632, 7.3674

# Details

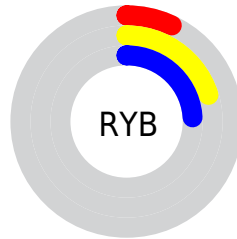
The Hex color **133D1F** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **3D1331**, and the grayscale version is **2D2D2D**.

A 20% lighter version of the original color is **436D4B**, and **000F00** is the 20% darker color. If you saturate the color by 10%, you get **0D3D1B**, and if you desaturate by 10%, it is **193D23**.

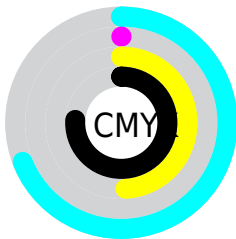
# Distribution



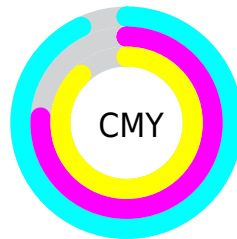
- Red (7%)
- Green (24%)
- Blue (12%)



- Red (7%)
- Yellow (20%)
- Blue (24%)



- Cyan (69%)
- Magenta (0%)
- Yellow (49%)
- Black (76%)



- Cyan (93%)
- Magenta (76%)
- Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 133D1F 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 133D1F by changing the saturation by 10% instead.





133D1F



133D1F

FEFFFF



002708



436D4B



000F00



5B8663



000000



75A17C



8FBC96



AAD8B1



C5F4CD



E2FFE9



133D1F



133D1F

■ 0D3D1B

■ 193D23

■ 073D16

■ 1F3D28

■ 013D12

■ 253D2C

■ 003D11

■ 2B3D30

■ 313D35

■ 383D39

■ 3E3D3D

■ 443D42

■ 4A3D46

# Harmonies

## Analogous

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



2E3910



133D1F



003F33

# Triad

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



133D1F



00385D



592524

# Complementary

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



133D1F



3D1331

# 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.



582338



133D1F



333158

# Square

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



133D1F



003C56



4C284B



502C14

# Rectangle

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



133D1F



003F41



4C284B



5A242A



# Sweetspot

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



133D1F



3E4F43



313D13



1F2922



A8A8A8



292929



# Same Dimension

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



133D1F



0D4F20



133D34



1C1F1C



005E1B



00DE3F



# Inverse Universe

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



3D1331



4F0D3C



3D131C



1F1C1E



5E0043

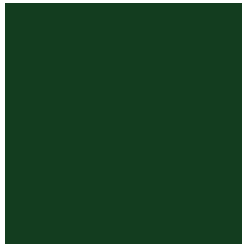


DE009E



# Previews

## White Background



This preview shows how the Hex color 133D1F looks on a white background.

## Color Contrast Check

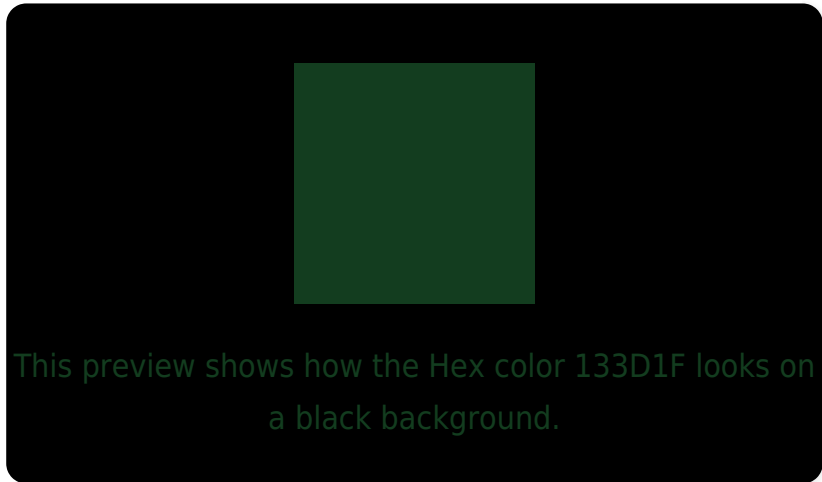
Large Text (above 18pt) WCAG AA ✓ Pass

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

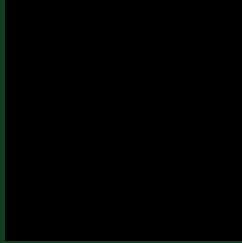
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 133D1F Background



This preview shows how black text looks on a background with the Hex color 133D1F.



This preview shows how white text looks on a background with the Hex color 133D1F.

# 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**  
133D1F

**Protanopia**  
3B351C

**Deuteranopia**  
403322



**Tritanopia**  
1D3A3E

# Trichromacy



**Original Color**  
133D1F

**Protanomaly**  
2C381D

**Deuteranomaly**  
303721

**Tritanomaly**  
193B33

# Monochromacy



**Original Color**  
133D1F

**Achromatopsia**  
2D2D2D

**Achromatomaly**  
243328

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 133D1F 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 #133D1F looks like.

```
.text, #text, p{  
    color:#133D1F  
}
```

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 #133D1F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #133D1F
}
```

## Border

The CSS property to change the border of an element to Hex 133D1F 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
#133D1F }
```

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

```
.border{ border-color:#133D1F }
```

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

Here you see how a box with a 4 pixel #133D1F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #133D1F; -webkit-box-shadow:4px 4px  
4px 4px #133D1F; box-shadow:4px 4px 4px  
4px #133D1F }
```

# Background

The CSS property to change the background color of an element to Hex 133D1F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#133D1F }
```

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

```
.background{ background-color:#133D1F }
```

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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