

# Converting Colors

Hex(38133F)

Have a look what the booklet for  
Hex(38133F) contains.

<b>Hex(38133F)</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(38133F)**

# Conversions

## Conversions Part 1

Format	Color
Hex	38133F
RGB	56, 19, 63
RGB Percent	22%, 7%, 25%
CMY	0.7804, 0.9255, 0.7529
CMYK	0.11, 0.70, 0.00, 0.75
HSL	290°, 54%, 16%
HSV	290°, 70%, 25%
XYZ	2.7610, 1.6654, 4.8786
YIQ	35.0790, 7.9280, 21.5280

# Conversions

## Conversions Part 2

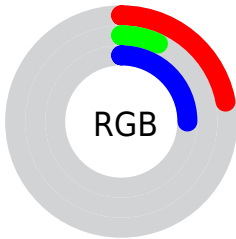
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	56, 19, 63
Decimal	3674943
CIE <sub>Lab</sub>	13.62, 26.02, -19.96
CIE <sub>LCh</sub>	14, 32.791, 322.502
Yxy	1.6654, 0.2967, 0.1790
Android (android.graphics.Color)	4281865023 (0xFF38133F)
YUV	35.0790, 13.7651, 18.3477
Hunter-Lab	12.9050, 15.6057, -13.3804

# Details

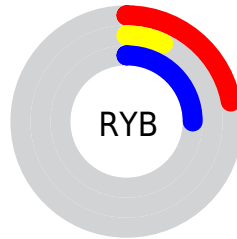
The Hex color **38133F** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **1A3F13**, and the grayscale version is **232323**.

A 20% lighter version of the original color is **69406F**, and **000113** is the 20% darker color. If you saturate the color by 10%, you get **370D3F**, and if you desaturate by 10%, it is **39193F**.

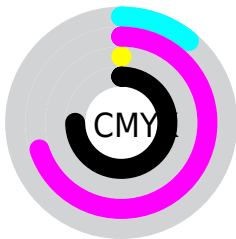
# Distribution



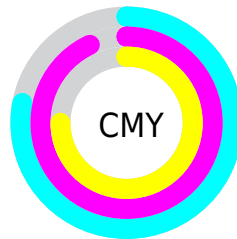
- Red (22%)
- Green (7%)
- Blue (25%)



- Red (22%)
- Yellow (7%)
- Blue (25%)



- Cyan (11%)
- Magenta (70%)
- Yellow (0%)
- Black (75%)



- Cyan (78%)
- Magenta (93%)
- Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 38133F 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 38133F by changing the saturation by 10% instead.



 38133F

 38133F

 FFFAFF

 230029

 69406F

 000113

 825888

 000000

 9D71A3

 B88BBE

 D4A5DA

 F1C1F6

 FFDDFF

 38133F

 38133F

■ 370D3F

■ 39193F

■ 36063F

■ 3A203F

■ 35003F

■ 3B263F

■ 3C2C3F

■ 3D333F

■ 3E393F

■ 3F3F3F

■ 40453F

■ 414C3F

# Harmonies

## Analogous

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



111F4E



38133F



48062A

# Triad

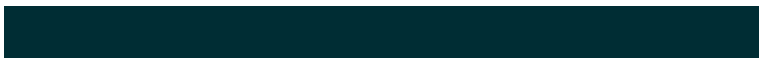
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



38133F



312000



002D34

# Complementary

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



38133F



1A3F13

# 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.



002C1C



38133F



1D2700

# Square

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



38133F



421500



002A00



002B47

# Rectangle

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



38133F



4A061A



002A00



002D2C



# Sweetspot

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



38133F



4F4052



131A3F



271F29



A8A8A8



292929



# Same Dimension

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



38133F



470D52



3F1330



1E1C1F



4F005E



BB00DE



# Inverse Universe

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



3F131A



520D18



133F22



1F1C1C



5E000F

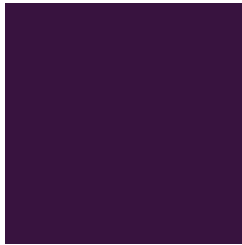


DE0023



# Previews

## White Background



This preview shows how the Hex color 38133F looks on a white background.

## Color Contrast Check

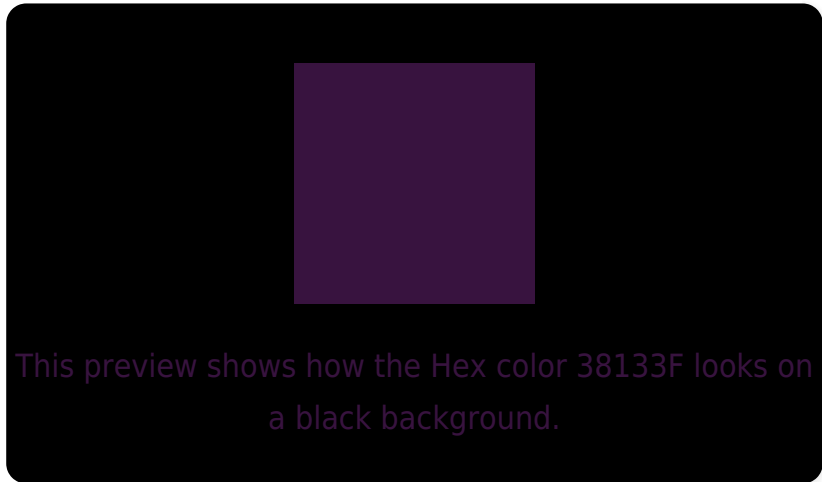
Large Text (above 18pt) WCAG AA ✓ Pass

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

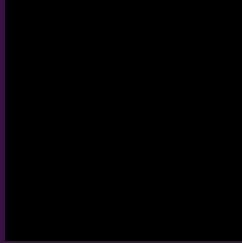
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 38133F Background



This preview shows how black text looks on a background with the Hex color 38133F.



This preview shows how white text looks on a background with the Hex color 38133F.

# 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**  
38133F

**Protanopia**  
00234A

**Deuteranopia**  
14243C



**Tritanopia**  
341D20

# Trichromacy



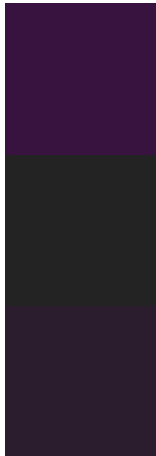
**Original Color**  
38133F

**Protanomaly**  
141D46

**Deuteranomaly**  
211E3D

**Tritanomaly**  
35192B

# Monochromacy



**Original Color**  
38133F

**Achromatopsia**  
232323

**Achromatomaly**  
2B1D2D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 38133F 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 #38133F looks like.

```
.text, #text, p{  
    color:#38133F  
}
```

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 #38133F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #38133F
}
```

## Border

The CSS property to change the border of an element to Hex 38133F is called "border". The border property can be set on classes, ids or directly on the HTML element.

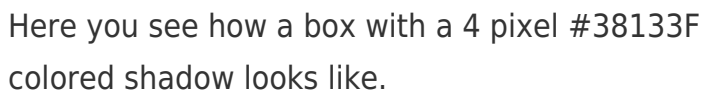
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#38133F }
```

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

```
.border{ border-color:#38133F }
```

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



Here you see how a box with a 4 pixel #38133F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #38133F; -webkit-box-shadow:4px 4px  
4px 4px #38133F; box-shadow:4px 4px 4px  
4px #38133F }
```

# Background

The CSS property to change the background color of an element to Hex 38133F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#38133F }
```

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

```
.background{ background-color:#38133F }
```

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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