

# Converting Colors

Hex(33721F)

Have a look what the booklet for  
Hex(33721F) contains.

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# Color

Hex(33721F)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	33721F
RGB	51, 114, 31
RGB Percent	20%, 45%, 12%
CMY	0.8000, 0.5529, 0.8784
CMYK	0.55, 0.00, 0.73, 0.55
HSL	106°, 57%, 28%
HSV	106°, 73%, 45%
XYZ	7.6299, 12.8374, 3.3720
YIQ	85.7010, -10.9050, -39.1690

# Conversions

## Conversions Part 2

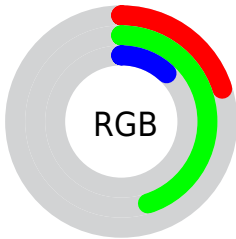
<b>Format</b>	<b>Color</b>
<b>RYB</b>	31, 114, 94
Decimal	3371551
CIELab	42.52, -36.54, 38.08
CIElCh	43, 52.778, 133.814
Yxy	12.8374, 0.3201, 0.5385
Android (android.graphics.Color)	4281561631 (0xFF33721F)
YUV	85.7010, -26.9676, -30.4328
Hunter-Lab	35.8293, -24.6895, 19.5005

# Details

The Hex color **33721F** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **5E1F72**, and the grayscale version is **565656**.

A 20% lighter version of the original color is **68A750**, and **004100** is the 20% darker color. If you saturate the color by 10%, you get **2A7214**, and if you desaturate by 10%, it is **3C722A**.

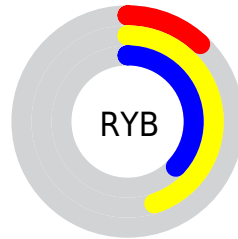
# Distribution



Red (20%)

Green (45%)

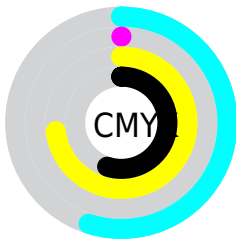
Blue (12%)



Red (12%)

Yellow (45%)

Blue (37%)

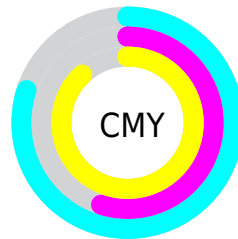


Cyan (55%)

Magenta (0%)

Yellow (73%)

Black (55%)



Cyan (80%)

Magenta (55%)

Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 33721F 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 33721F by changing the saturation by 10% instead.





33721F



33721F

FFFFFF



165903



68A750



004100



83C26A



002B00



9EDE84



001000



BAFB9E



000000



D7FFBA



F4FFD6



FFFFFF2



33721F



33721F

■ 2A7214

■ 3C722A

■ 227208

■ 447236

■ 1B7200

■ 4D7241

■ 56724D

■ 5E7258

■ 677263

■ 70726F

■ 78727A

■ 817286

# Harmonies

## Analogous

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



666900



33721F



00774A

# Triad

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



33721F



0070B8



B23752

# Complementary

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



33721F



5E1F72

# 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.



A63C7E



33721F



2863BA

# Square

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



33721F



0077A0



7F4FA4



A74629

# Rectangle

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



33721F



007869



7F4FA4



B13661



# Sweetspot

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



33721F



7B9473



725D1F



3B4A37



C9C9C9



4A4A4A



# Same Dimension

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



33721F



329413



1F7234



343832



1D7800



3CF700



# Inverse Universe

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



5E1F72



751394



721F5D



373238



5B0078



BC00F7



# Previews

## White Background



This preview shows how the Hex color 33721F 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 × Fail

# Black 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

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



## Hex 33721F Background



This preview shows how black text looks on a background with the Hex color 33721F.



This preview shows how white text looks on a background with the Hex color 33721F.

# 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**  
33721F

**Protanopia**  
70641B

**Deuteranopia**  
7C5F26



**Tritanopia**  
436A73

# Trichromacy



**Original Color**  
33721F

**Protanomaly**  
5A691C

**Deuteranomaly**  
616623

**Tritanomaly**  
3D6D54

# Monochromacy



**Original Color**  
33721F

**Achromatopsia**  
565656

**Achromatomaly**  
496042

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 33721F 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 #33721F looks like.

```
.text, #text, p{  
    color:#33721F  
}
```

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 #33721F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33721F
}
```

## Border

The CSS property to change the border of an element to Hex 33721F 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".

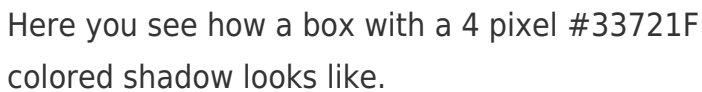
```
.border, #border, table{ border:4px solid
#33721F }
```

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

```
.border{ border-color:#33721F }
```

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

Here you see how a box with a 4 pixel #33721F colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33721F; -webkit-box-shadow:4px 4px  
4px 4px #33721F; box-shadow:4px 4px 4px  
4px #33721F }
```

# Background

The CSS property to change the background color of an element to Hex 33721F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33721F }
```

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

```
.background{ background-color:#33721F }
```

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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