

# Converting Colors

Hex(33412F)

Have a look what the booklet for  
Hex(33412F) contains.

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# Color

Hex(33412F)

# Conversions

## Conversions Part 1

Format	Color
Hex	33412F
RGB	51, 65, 47
RGB Percent	20%, 25%, 18%
CMY	0.8000, 0.7451, 0.8157
CMYK	0.22, 0.00, 0.28, 0.75
HSL	107°, 16%, 22%
HSV	107°, 28%, 25%
XYZ	3.7686, 4.6896, 3.3959
YIQ	58.7620, -2.5660, -8.5660

# Conversions

## Conversions Part 2

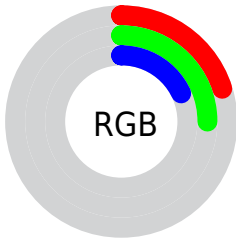
<b>Format</b>	<b>Color</b>
<b>RYB</b>	47, 65, 61
Decimal	3359023
CIELab	25.83, -9.81, 9.17
CIElCh	26, 13.428, 136.938
Yxy	4.6896, 0.3179, 0.3956
Android (android.graphics.Color)	4281549103 (0xFF33412F)
YUV	58.7620, -5.7987, -6.8073
Hunter-Lab	21.6556, -6.8336, 5.8614

# Details

The Hex color **33412F** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **3D2F41**, and the grayscale version is **3B3B3B**.

A 20% lighter version of the original color is **62715D**, and **061700** is the 20% darker color. If you saturate the color by 10%, you get **2E4129**, and if you desaturate by 10%, it is **384136**.

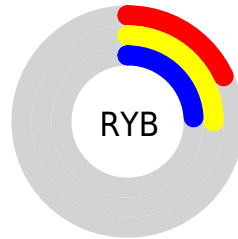
# Distribution



Red (20%)

Green (25%)

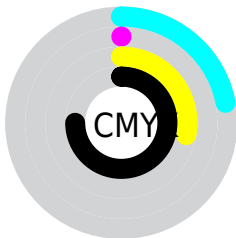
Blue (18%)



Red (18%)

Yellow (25%)

Blue (24%)

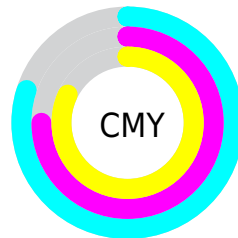


Cyan (22%)

Magenta (0%)

Yellow (28%)

Black (75%)



Cyan (80%)

Magenta (75%)

Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 33412F 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 33412F by changing the saturation by 10% instead.





33412F



33412F

FFFFFF



1E2B1A



62715D



061700



7B8A76



000000



94A58F



AFC0AA



CBDCC5



E7F8E1

FFFFFFE



33412F



33412F

■ 2E4129

■ 384136

■ 294122

■ 3D413C

■ 24411C

■ 424143

■ 1F4115

■ 474149

■ 1A410F

■ 4C4150

■ 154108

■ 514156

■ 104102

■ 56415D

■ 0E4100

■ 5B4163

■ 61416A

# Harmonies

## Analogous

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



3F3E2A



33412F



284338

# Triad

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



33412F



2A3F51



523638

# Complementary

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



33412F



3D2F41

# 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.



4F3642



33412F



393C51

# Square

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



33412F



20424C



46394B



4F382F

# Rectangle

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



33412F



21433F



46394B



51363B



# Sweetspot

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



33412F



4F544D



413D2F



282B27



ABABAB



2B2B2B



# Same Dimension

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



33412F



3F5438



2F4134



1F211E



166100



32E000



# Inverse Universe

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



3D2F41



4E3854



412F3C



201E21



4B0061



AF00E0



# Previews

## White Background



This preview shows how the Hex color 33412F looks on a white background.

## Color Contrast Check

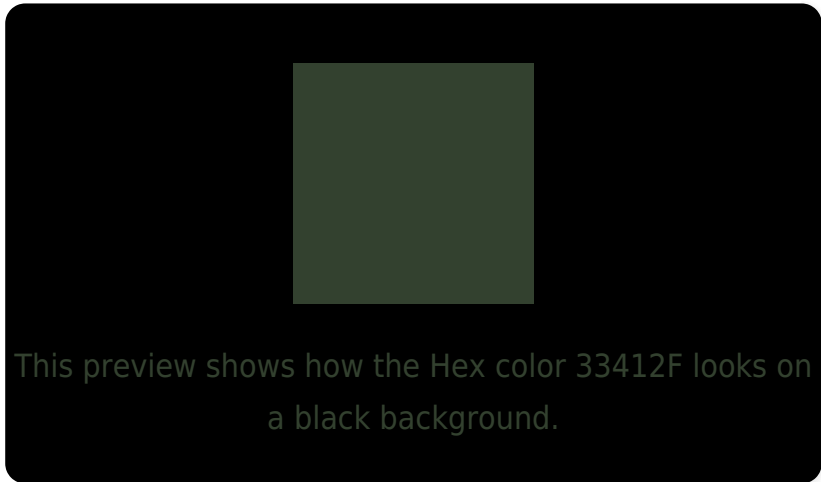
Large Text (above 18pt) WCAG AA ✓ Pass

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

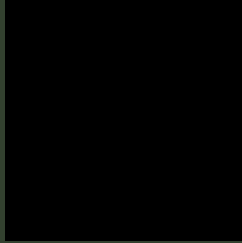
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 33412F Background



This preview shows how black text looks on a background with the Hex color 33412F.

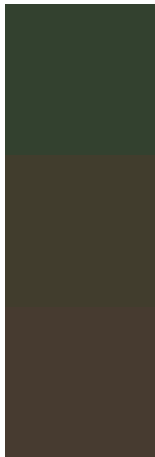


This preview shows how white text looks on a background with the Hex color 33412F.

# 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](#).

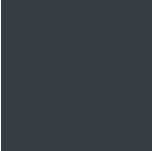
## Dichromacy



**Original Color**  
33412F

**Protanopia**  
413D2D

**Deuteranopia**  
473B30



**Tritanopia**  
363E43

# Trichromacy



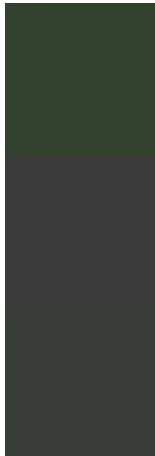
**Original Color**  
33412F

**Protanomaly**  
3C3E2E

**Deuteranomaly**  
403D30

**Tritanomaly**  
353F3C

# Monochromacy



**Original Color**  
33412F

**Achromatopsia**  
3B3B3B

**Achromatomaly**  
383D37

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 33412F 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 #33412F looks like.

```
.text, #text, p{  
    color:#33412F  
}
```

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 #33412F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33412F
}
```

## Border

The CSS property to change the border of an element to Hex 33412F is called "border". The border property can be set on classes, ids or directly on the HTML element.

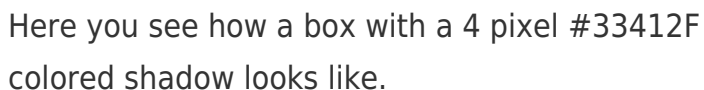
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#33412F }
```

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

```
.border{ border-color:#33412F }
```

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



Here you see how a box with a 4 pixel #33412F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33412F; -webkit-box-shadow:4px 4px  
4px 4px #33412F; box-shadow:4px 4px 4px  
4px #33412F }
```

# Background

The CSS property to change the background color of an element to Hex 33412F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33412F }
```

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

```
.background{ background-color:#33412F }
```

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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