

# Converting Colors

Hex(334939)

Have a look what the booklet for  
Hex(334939) contains.

<b>Hex(334939)</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(334939)**

# Conversions

## Conversions Part 1

Format	Color
Hex	334939
RGB	51, 73, 57
RGB Percent	20%, 29%, 22%
CMY	0.8000, 0.7137, 0.7765
CMYK	0.30, 0.00, 0.22, 0.71
HSL	136°, 18%, 24%
HSV	136°, 30%, 29%
XYZ	4.4863, 5.7643, 4.7471
YIQ	64.5980, -7.9760, -9.6400

# Conversions

## Conversions Part 2

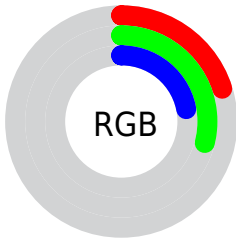
Format	Color
<b>RYB</b>	51, 68, 73
Decimal	3361081
CIELab	28.81, -12.45, 6.87
CIELCh	29, 14.216, 151.116
Yxy	5.7643, 0.2991, 0.3843
Android (android.graphics.Color)	4281551161 (0xFF334939)
YUV	64.5980, -3.7458, -11.9254
Hunter-Lab	24.0090, -8.6613, 5.0834

# Details

The Hex color **334939** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **493343**, and the grayscale version is **414141**.

A 20% lighter version of the original color is **627A68**, and **071D0E** is the 20% darker color. If you saturate the color by 10%, you get **2C4934**, and if you desaturate by 10%, it is **3A493E**.

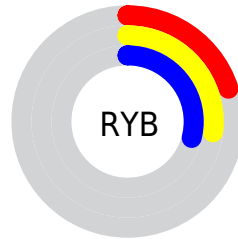
# Distribution



Red (20%)

Green (29%)

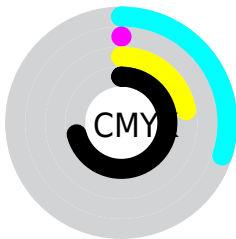
Blue (22%)



Red (20%)

Yellow (27%)

Blue (29%)

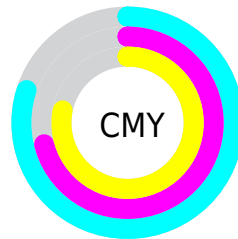


Cyan (30%)

Magenta (0%)

Yellow (22%)

Black (71%)



Cyan (80%)

Magenta (71%)

Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 334939 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 334939 by changing the saturation by 10% instead.



 334939

 334939

FFFFFF

 1D3223

 627A68

 071D0E

 7B9381

 000000

 95AE9B

 B0CAB6

 CBE6D2

 E7FFEE

 334939

 334939

 2C4934

 3A493E

■ 24492E

■ 424944

■ 1D4929

■ 494949

■ 164924

■ 50494E

■ 0F491E

■ 584954

■ 074919

■ 5F4959

■ 004914

■ 66495E

■ 6D4963

■ 754969

# Harmonies

## Analogous

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



404731



334939



284A44

# Triad

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



334939



37455A



5A3D39

# Complementary

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



334939



493343

# 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.



593C44



334939



464157

# Square

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



334939



284857



523E4F



554031

# Rectangle

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



334939



234A4B



523E4F



5A3C3D



# Sweetspot

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



334939



565E58



434933



2B302D



B0B0B0



303030



# Same Dimension

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



334939



3C5E46



334944



202421



00631B



00E33E



# Inverse Universe

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



493343



5E3C55



493338



242023



630048

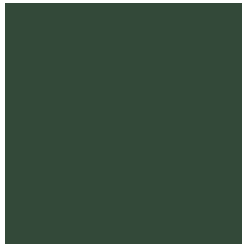


E300A5



# Previews

## White Background



This preview shows how the Hex color 334939 looks on a white background.

## Color Contrast Check

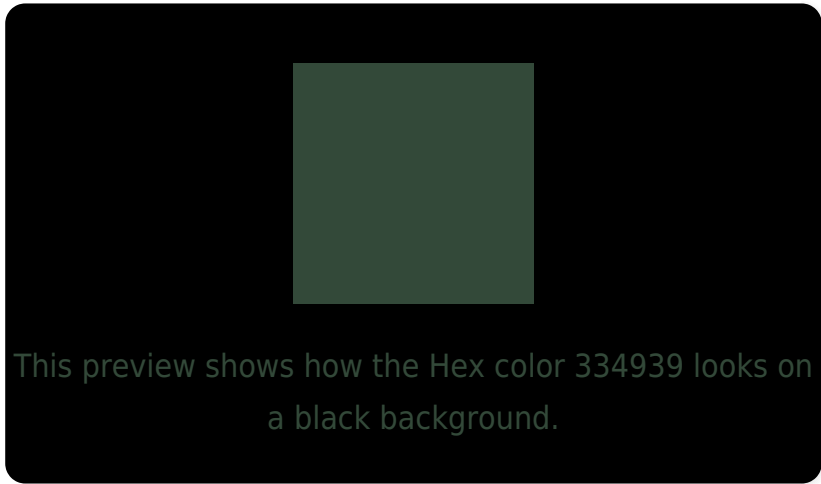
Large Text (above 18pt) WCAG AA ✓ Pass

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

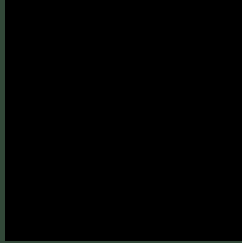
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 334939 Background



This preview shows how black text looks on a background with the Hex color 334939.



This preview shows how white text looks on a background with the Hex color 334939.

# 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](#).

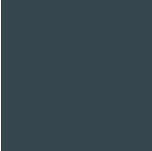
## Dichromacy



**Original Color**  
334939

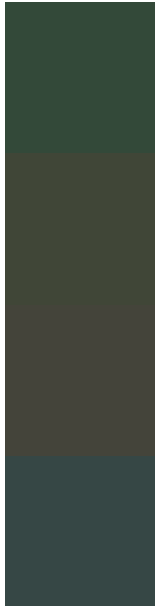
**Protanopia**  
484436

**Deuteranopia**  
4E413B



**Tritanopia**  
37464C

# Trichromacy



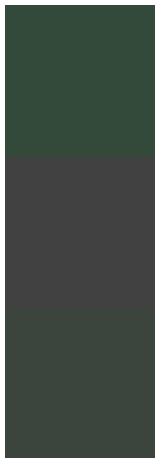
**Original Color**  
334939

**Protanomaly**  
404637

**Deuteranomaly**  
44443A

**Tritanomaly**  
364745

# Monochromacy



**Original Color**  
334939

**Achromatopsia**  
414141

**Achromatomaly**  
3C443E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 334939 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 #334939 looks like.

```
.text, #text, p{  
    color:#334939  
}
```

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 #334939 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #334939
}
```

## Border

The CSS property to change the border of an element to Hex 334939 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".

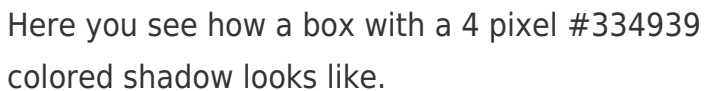
```
.border, #border, table{ border:4px solid
#334939 }
```

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

```
.border{ border-color:#334939 }
```

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

Here you see how a box with a 4 pixel #334939 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #334939; -webkit-box-shadow:4px 4px  
4px 4px #334939; box-shadow:4px 4px 4px  
4px #334939 }
```

# Background

The CSS property to change the background color of an element to Hex 334939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#334939 }
```

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

```
.background{ background-color:#334939 }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor