

# Converting Colors

Hex(334C13)

Have a look what the booklet for  
Hex(334C13) contains.

<b>Hex(334C13)</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(334C13)**

# Conversions

## Conversions Part 1

Format	Color
Hex	334C13
RGB	51, 76, 19
RGB Percent	20%, 30%, 7%
CMY	0.8000, 0.7020, 0.9255
CMYK	0.33, 0.00, 0.75, 0.70
HSL	86°, 60%, 19%
HSV	86°, 75%, 30%
XYZ	4.0672, 5.9197, 1.5443
YIQ	62.0270, 3.3970, -23.0270

# Conversions

## Conversions Part 2

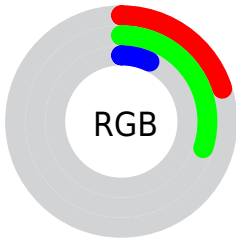
<b>Format</b>	<b>Color</b>
<b>RYB</b>	19, 76, 44
Decimal	3361811
CIELab	29.21, -19.98, 29.53
CIElCh	29, 35.657, 124.078
Yxy	5.9197, 0.3527, 0.5134
Android (android.graphics.Color)	4281551891 (0xFF334C13)
YUV	62.0270, -21.2123, -9.6707
Hunter-Lab	24.3304, -12.7391, 13.2680

# Details

The Hex color **334C13** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **2C134C**, and the grayscale version is **3E3E3E**.

A 20% lighter version of the original color is **647D41**, and **002000** is the 20% darker color. If you saturate the color by 10%, you get **304C0B**, and if you desaturate by 10%, it is **364C1B**.

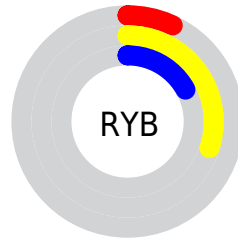
# Distribution



Red (20%)

Green (30%)

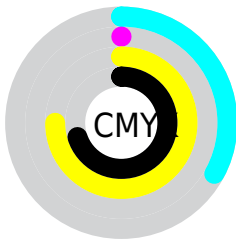
Blue (7%)



Red (7%)

Yellow (30%)

Blue (17%)

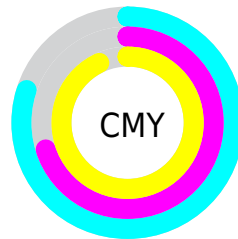


Cyan (33%)

Magenta (0%)

Yellow (75%)

Black (70%)



Cyan (80%)

Magenta (70%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 334C13 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 334C13 by changing the saturation by 10% instead.





334C13



334C13



FFFFFFB



1D3500



647D41



002000



7D9759



000000



98B272



B3CD8C



CFEAA7



EBFFC2



FFFFDE



334C13



334C13

■ 304C0B

■ 364C1B

■ 2C4C04

■ 3A4C22

■ 2B4C00

■ 3D4C2A

■ 404C31

■ 444C39

■ 474C41

■ 4A4C48

■ 4E4C50

■ 514C57

# Harmonies

## Analogous

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



4F4506



334C13



00502B

# Triad

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



334C13



004E76



762A42

# Complementary

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



334C13



2C134C

# 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.



69305D



334C13



00477C

# Square

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



334C13



005163



4A3C73



742F27

# Rectangle

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



334C13



00523E



4A3C73



742B4C



# Sweetspot

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



334C13



59634D



4C2C13



2D3325



B3B3B3



333333



# Same Dimension

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



334C13



3C630A



174C13



252622



396600



81E600



# Inverse Universe

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



2C134C



310A63



48134C



242226



2D0066



6500E6



# Previews

## White Background



This preview shows how the Hex color 334C13 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

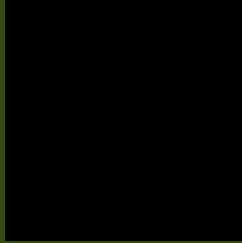
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 334C13 Background



This preview shows how black text looks on a background with the Hex color 334C13.



This preview shows how white text looks on a background with the Hex color 334C13.

# 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](#).

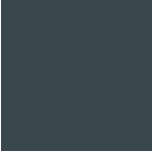
## Dichromacy



**Original Color**  
334C13

**Protanopia**  
4D4511

**Deuteranopia**  
564117



**Tritanopia**  
3A474D

# Trichromacy



**Original Color**  
334C13

**Protanomaly**  
444812

**Deuteranomaly**  
494516

**Tritanomaly**  
374938

# Monochromacy



**Original Color**  
334C13

**Achromatopsia**  
3E3E3E

**Achromatomaly**  
3A432E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 334C13 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 #334C13 looks like.

```
.text, #text, p{  
    color:#334C13  
}
```

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 #334C13 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #334C13
}
```

## Border

The CSS property to change the border of an element to Hex 334C13 is called "border". The border property can be set on classes, ids or directly on the HTML element.

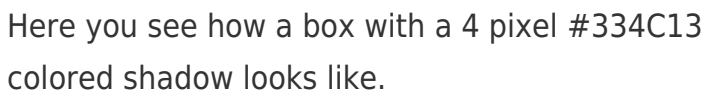
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#334C13 }
```

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

```
.border{ border-color:#334C13 }
```

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



Here you see how a box with a 4 pixel `#334C13` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #334C13; -webkit-box-shadow:4px 4px  
4px 4px #334C13; box-shadow:4px 4px 4px  
4px #334C13 }
```

# Background

The CSS property to change the background color of an element to Hex 334C13 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#334C13 }
```

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

```
.background{ background-color:#334C13 }
```

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