

# Converting Colors

Hex(33511A)

Have a look what the booklet for  
Hex(33511A) contains.

<b>Hex(33511A)</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(33511A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33511A
RGB	51, 81, 26
RGB Percent	20%, 32%, 10%
CMY	0.8000, 0.6824, 0.8980
CMYK	0.37, 0.00, 0.68, 0.68
HSL	93°, 51%, 21%
HSV	93°, 68%, 32%
XYZ	4.4941, 6.6632, 2.0266
YIQ	65.7600, -0.2250, -23.4650

# Conversions

## Conversions Part 2

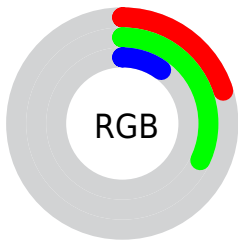
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	26, 81, 56
Decimal	3363098
CIE <sub>Lab</sub>	31.03, -21.90, 28.08
CIE <sub>LCh</sub>	31, 35.612, 127.955
Yxy	6.6632, 0.3409, 0.5054
Android (android.graphics.Color)	4281553178 (0xFF33511A)
YUV	65.7600, -19.6017, -12.9445
Hunter-Lab	25.8133, -14.0961, 13.4145

# Details

The Hex color **33511A** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **381A51**, and the grayscale version is **424242**.

A 20% lighter version of the original color is **648348**, and **032400** is the 20% darker color. If you saturate the color by 10%, you get **2F5112**, and if you desaturate by 10%, it is **375122**.

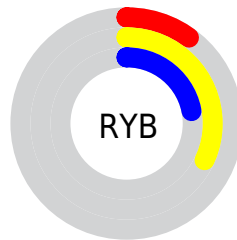
# Distribution



Red (20%)

Green (32%)

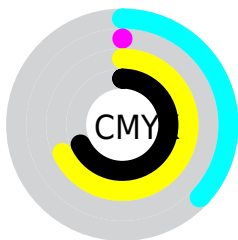
Blue (10%)



Red (10%)

Yellow (32%)

Blue (22%)

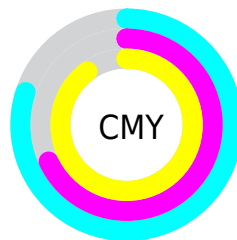


Cyan (37%)

Magenta (0%)

Yellow (68%)

Black (68%)



Cyan (80%)

Magenta (68%)

Yellow (90%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 33511A 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 33511A by changing the saturation by 10% instead.





33511A



33511A

FFFFFF



1C3A02



648348



032400



7D9D60



000700



98B87A



000000



B3D394



CFF0AF



EBFFCA



FFFFE6



33511A



33511A

■ 2F5112

■ 375122

■ 2A510A

■ 3C512A

■ 265102

■ 405132

■ 255100

■ 45513A

■ 495142

■ 4E514B

■ 525153

■ 56515B

■ 5B5163

# Harmonies

## Analogous

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



514A0C



33511A



005533

# Triad

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



33511A



00527C



7B2F43

# Complementary

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



33511A



381A51

# 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.



70335E



33511A



1B4A80

# Square

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



33511A



00556B



543E75



783528

# Rectangle

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



33511A



005646



543E75



7A2F4C



# Sweetspot

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



33511A



5D6954



51371A



2F3629



B5B5B5



363636



# Same Dimension

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



33511A



3A6914



1A511C



272925



306900



69E800



# Inverse Universe

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



381A51



421469



511A4F



272529



390069

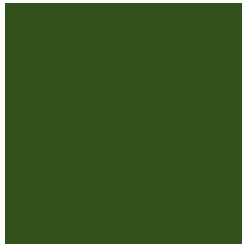


7F00E8



# Previews

## White Background



This preview shows how the Hex color 33511A looks on a white background.

## Color Contrast Check

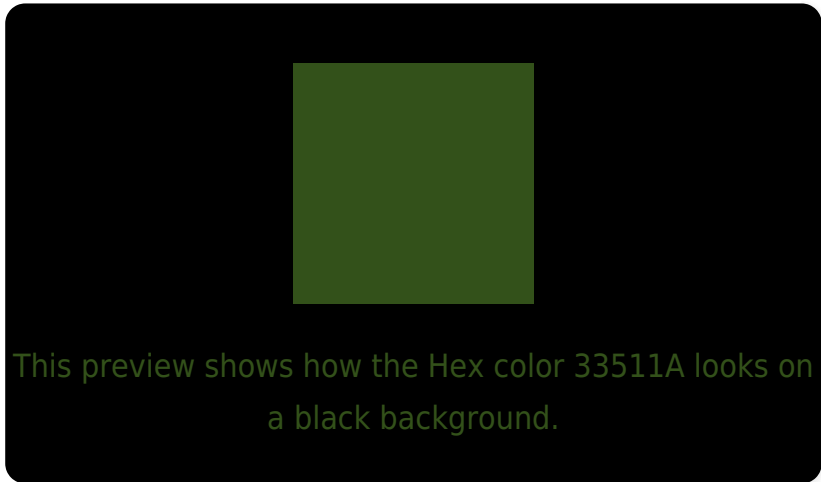
Large Text (above 18pt) WCAG AA ✓ Pass

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

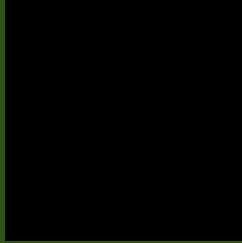
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 33511A Background



This preview shows how black text looks on a background with the Hex color 33511A.



This preview shows how white text looks on a background with the Hex color 33511A.

# 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**  
33511A

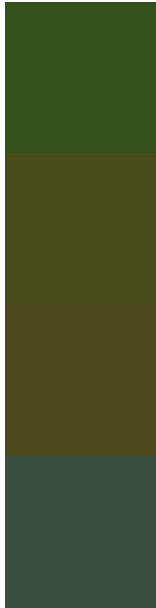
**Protanopia**  
524918

**Deuteranopia**  
5B451E



**Tritanopia**  
3B4C52

# Trichromacy



**Original Color**  
33511A

**Protanomaly**  
474C19

**Deuteranomaly**  
4C491D

**Tritanomaly**  
384E3E

# Monochromacy



**Original Color**  
33511A

**Achromatopsia**  
424242

**Achromatomaly**  
3D4733

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 33511A 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 #33511A looks like.

```
.text, #text, p{  
    color:#33511A  
}
```

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 #33511A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33511A
}
```

## Border

The CSS property to change the border of an element to Hex 33511A 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
#33511A }
```

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

```
.border{ border-color:#33511A }
```

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

Here you see how a box with a 4 pixel #33511A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33511A; -webkit-box-shadow:4px 4px  
4px 4px #33511A; box-shadow:4px 4px 4px  
4px #33511A }
```

# Background

The CSS property to change the background color of an element to Hex 33511A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33511A }
```

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

```
.background{ background-color:#33511A }
```

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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