

# Converting Colors

Hex(345A1B)

Have a look what the booklet for  
Hex(345A1B) contains.

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# Color

**Hex(345A1B)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	345A1B
RGB	52, 90, 27
RGB Percent	20%, 35%, 11%
CMY	0.7961, 0.6471, 0.8941
CMYK	0.42, 0.00, 0.70, 0.65
HSL	96°, 54%, 23%
HSV	96°, 70%, 35%
XYZ	5.2702, 8.1215, 2.3268
YIQ	71.4560, -2.4250, -27.6490

# Conversions

## Conversions Part 2

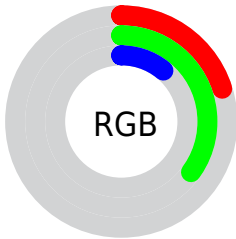
<b>Format</b>	<b>Color</b>
<b>RYB</b>	27, 90, 65
Decimal	3430939
CIELab	34.23, -25.87, 31.11
CIELCh	34, 40.460, 129.740
Yxy	8.1215, 0.3353, 0.5167
Android (android.graphics.Color)	4281621019 (0xFF345A1B)
YUV	71.4560, -21.9168, -17.0629
Hunter-Lab	28.4983, -16.8621, 15.1080

# Details

The Hex color **345A1B** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **411B5A**, and the grayscale version is **484848**.

A 20% lighter version of the original color is **668C4A**, and **032C00** is the 20% darker color. If you saturate the color by 10%, you get **2F5A12**, and if you desaturate by 10%, it is **395A24**.

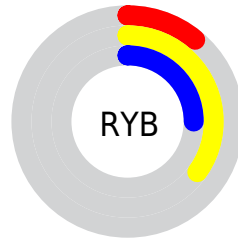
# Distribution



Red (20%)

Green (35%)

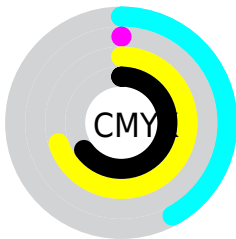
Blue (11%)



Red (11%)

Yellow (35%)

Blue (25%)

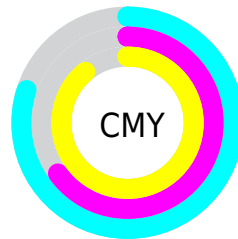


Cyan (42%)

Magenta (0%)

Yellow (70%)

Black (65%)



Cyan (80%)

Magenta (65%)

Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 345A1B 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 345A1B by changing the saturation by 10% instead.





345A1B



345A1B

FFFFFF



1C4202



668C4A



032C00



80A763



001700



9AC27C



000000



B6DE96



D2FBB1



EEFFCD



FFFFE9



345A1B



345A1B

■ 2F5A12

■ 395A24

■ 295A09

■ 3F5A2D

■ 245A00

■ 445A36

■ 4A5A3F

■ 4F5A48

■ 555A51

■ 5A5A5A

■ 5F5A63

■ 655A6C

# Harmonies

## Analogous

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



575207



345A1B



005E39

# Triad

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



345A1B



005A8D



8A3147

# Complementary

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



345A1B



411B5A

# 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.



7F3667



345A1B



1D5190

# Square

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



345A1B



005F79



5F4382



853A29

# Rectangle

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



345A1B



00604F



5F4382



893152



# Sweetspot

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



345A1B



66755D



5A411B



323B2C



BABABA



3B3B3B



# Same Dimension

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



345A1B



3A7513



1B5A21



2B2E29



2C6E00



5EED00



# Inverse Universe

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



411B5A



4E1375



5A1B54



2C292E



42006E



8F00ED



# Previews

## White Background



This preview shows how the Hex color 345A1B looks on a white background.

## Color Contrast Check

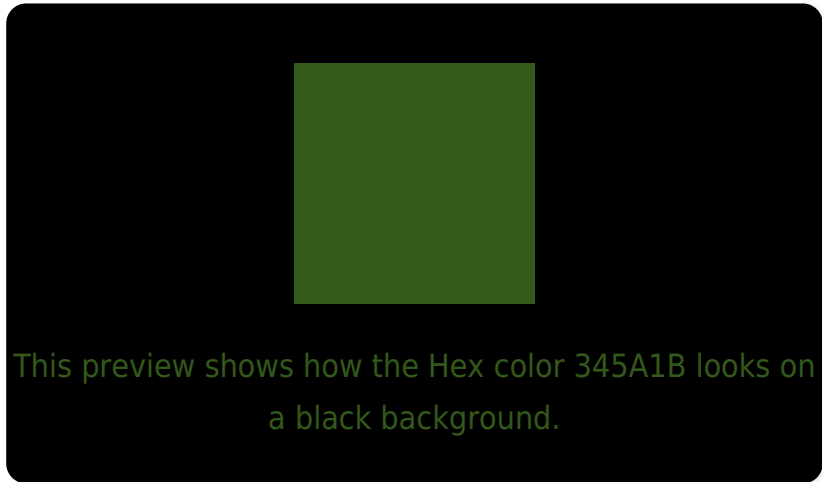
Large Text (above 18pt) WCAG AA ✓ Pass

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

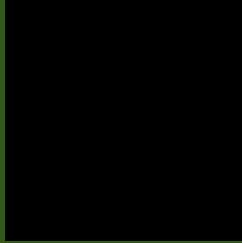
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 345A1B Background



This preview shows how black text looks on a background with the Hex color 345A1B.



This preview shows how white text looks on a background with the Hex color 345A1B.

# 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**  
345A1B

**Protanopia**  
5A5018

**Deuteranopia**  
644C20



**Tritanopia**  
3E545B

# Trichromacy



**Original Color**  
345A1B

**Protanomaly**  
4C5419

**Deuteranomaly**  
53511E

**Tritanomaly**  
3A5644

# Monochromacy



**Original Color**  
345A1B

**Achromatopsia**  
474747

**Achromatomaly**  
404E37

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 345A1B 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 #345A1B looks like.

```
.text, #text, p{  
    color:#345A1B  
}
```

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 #345A1B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #345A1B
}
```

## Border

The CSS property to change the border of an element to Hex 345A1B 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
#345A1B }
```

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

```
.border{ border-color:#345A1B }
```

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

Here you see how a box with a 4 pixel #345A1B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #345A1B; -webkit-box-shadow:4px 4px  
4px 4px #345A1B; box-shadow:4px 4px 4px  
4px #345A1B }
```

# Background

The CSS property to change the background color of an element to Hex 345A1B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#345A1B }
```

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

```
.background{ background-color:#345A1B }
```

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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