

Converting Colors

Hex(316A0B)

Have a look what the booklet for
Hex(316A0B) contains.

Hex(316A0B)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(316A0B)

Conversions

Conversions Part 1

Format	Color
Hex	316A0B
RGB	49, 106, 11
RGB Percent	19%, 42%, 4%
CMY	0.8078, 0.5843, 0.9569
CMYK	0.54, 0.00, 0.90, 0.58
HSL	96°, 81%, 23%
HSV	96°, 90%, 42%
XYZ	6.4811, 10.9852, 2.0954
YIQ	78.1270, -3.4770, -41.6290

Conversions

Conversions Part 2

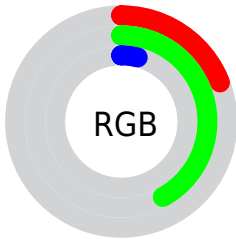
Format	Color
RYB	11, 106, 68
Decimal	3238411
CIELab	39.56, -35.19, 42.19
CIELCh	40, 54.941, 129.833
Yxy	10.9852, 0.3313, 0.5616
Android (android.graphics.Color)	4281428491 (0xFF316A0B)
YUV	78.1270, -33.0936, -25.5444
Hunter-Lab	33.1439, -23.0975, 19.4524

Details

The Hex color **316A0B** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **440B6A**, and the grayscale version is **4E4E4E**.

A 20% lighter version of the original color is **669E41**, and **003A00** is the 20% darker color. If you saturate the color by 10%, you get **2B6A00**, and if you desaturate by 10%, it is **376A16**.

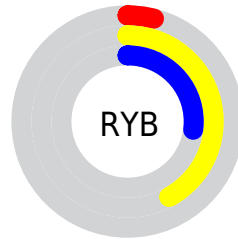
Distribution



Red (19%)

Green (42%)

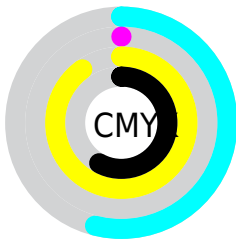
Blue (4%)



Red (4%)

Yellow (42%)

Blue (27%)

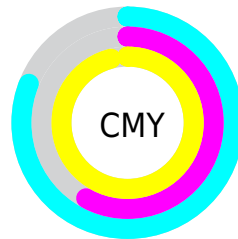


Cyan (54%)

Magenta (0%)

Yellow (90%)

Black (58%)



Cyan (81%)


Magenta (58%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the Hex color 316A0B 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 316A0B by changing the saturation by 10% instead.

 316A0B

 316A0B

FFFFFFE

 145100

 669E41

 003A00

 81B95A

 002500

 9CD574


 000000

 B8F28E

 D4FFA9

 F1FFC5

 FFFFE1

 316A0B

 316A0B

■ 2B6A00

■ 376A16

■ 2A6A00

■ 3E6A20

■ 446A2B

■ 4A6A35

■ 516A40

■ 576A4B

■ 5E6A55

■ 646A60

■ 6A6A6A

Harmonies

Analogous

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



646000



316A0B



006F3C

Triad

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



316A0B



006AB2



AC2A50

Complementary

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



316A0B



440B6A

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.



9D337D



316A0B



005EB6

Square

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



316A0B



007096



704AA3



A33A26

Rectangle

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



316A0B



00715C



704AA3



AA2A5F

Sweetspot

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



316A0B



738A65



6A440B



38452F



C4C4C4



454545

Same Dimension

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



316A0B



378A00



0B6A13



323630



2F7500



62F500

Inverse Universe

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



440B6A



53008A



6A0B61



333036



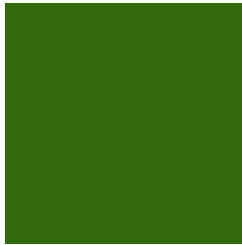
460075



9300F5

Previews

White Background



This preview shows how the Hex color 316A0B looks on a white background.

Color Contrast Check

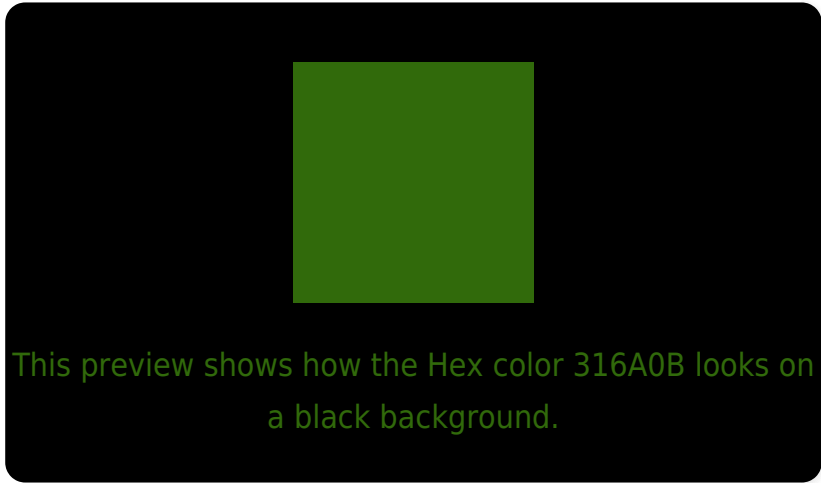
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

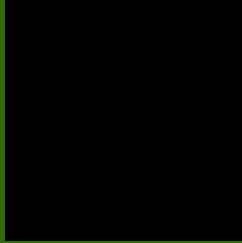
Any Text WCAG AA × Fail

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 316A0B Background



This preview shows how black text looks on a background with the Hex color 316A0B.



This preview shows how white text looks on a background with the Hex color 316A0B.

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
316A0B

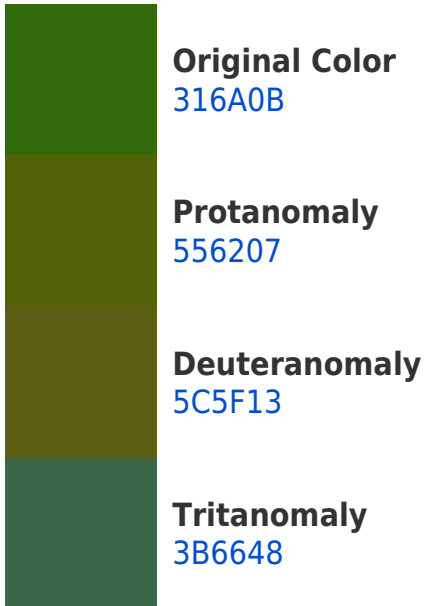
Protanopia
695D05

Deuteranopia
755818



Tritanopia
40636B

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 316A0B 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 #316A0B looks like.

```
.text, #text, p{  
    color:#316A0B  
}
```

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 #316A0B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #316A0B
}
```

Border

The CSS property to change the border of an element to Hex 316A0B 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".

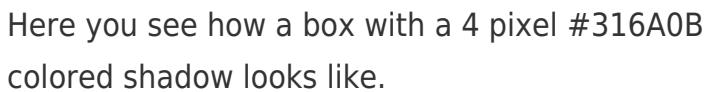
```
.border, #border, table{ border:4px solid
#316A0B }
```

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

```
.border{ border-color:#316A0B }
```

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

Here you see how a box with a 4 pixel #316A0B colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #316A0B; -webkit-box-shadow:4px 4px  
4px 4px #316A0B; box-shadow:4px 4px 4px  
4px #316A0B }
```

Background

The CSS property to change the background color of an element to Hex 316A0B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#316A0B }
```

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

```
.background{ background-color:#316A0B }
```

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