

# Converting Colors

Hex(304A0A)

Have a look what the booklet for  
Hex(304A0A) contains.

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**Color**

**Hex(304A0A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	304A0A
RGB	48, 74, 10
RGB Percent	19%, 29%, 4%
CMY	0.8118, 0.7098, 0.9608
CMYK	0.35, 0.00, 0.86, 0.71
HSL	84°, 76%, 16%
HSV	84°, 86%, 29%
XYZ	3.7225, 5.5479, 1.1618
YIQ	58.9300, 5.0480, -25.4160

# Conversions

## Conversions Part 2

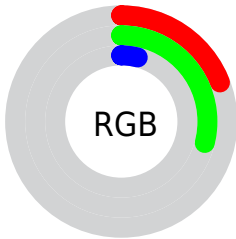
Format	Color
<a href="#">RYB</a>	<a href="#">10, 74, 36</a>
Decimal	<a href="#">3164682</a>
CIELab	<a href="#">28.24, -20.90, 32.25</a>
CIElCh	<a href="#">28, 38.428, 122.945</a>
Yxy	<a href="#">5.5479, 0.3568, 0.5318</a>
Android (android.graphics.Color)	<a href="#">4281354762 (0xFF304A0A)</a>
YUV	<a href="#">58.9300, -24.1225, -9.5856</a>
Hunter-Lab	<a href="#">23.5539, -13.0089, 13.5632</a>

# Details

The Hex color **304A0A** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **240A4A**, and the grayscale version is **3B3B3B**.

A 20% lighter version of the original color is **617B3A**, and **001F00** is the 20% darker color. If you saturate the color by 10%, you get **2D4A03**, and if you desaturate by 10%, it is **334A11**.

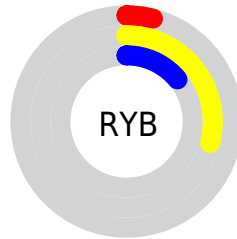
# Distribution



Red (19%)

Green (29%)

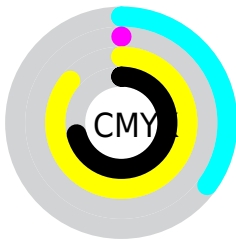
Blue (4%)



Red (4%)

Yellow (29%)

Blue (14%)

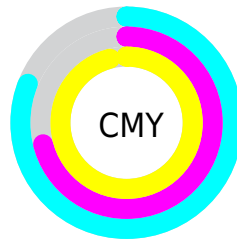


Cyan (35%)

Magenta (0%)

Yellow (86%)

Black (71%)



Cyan (81%)

Magenta (71%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 304A0A 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 304A0A by changing the saturation by 10% instead.




 304A0A

 304A0A

 FFFFF3

 1A3300

 617B3A

 001F00

 7B9552

 000000

 95AF6B

 B0CB84

 CCE79F

 E9FFBA

 FFFFD6

 304A0A

 304A0A

■ 2D4A03

■ 334A11

■ 2C4A00

■ 364A19

■ 394A20

■ 3C4A28

■ 3F4A2F

■ 424A36

■ 454A3E

■ 484A45

■ 4B4A4D

# Harmonies

## Analogous

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



4E4200



304A0A



004E26

# Triad

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



304A0A



004D77



772441

# Complementary

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



304A0A



240A4A

# 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.



682C5E



304A0A



00457E

# Square

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



304A0A



005062



463975



742A24

# Rectangle

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



304A0A



00503A



463975



74254B



# Sweetspot

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



304A0A



576148



4A240A



2A3021



B0B0B0



303030



# Same Dimension

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



304A0A



3A6100



104A0A



252622



3D6600



88E600



# Inverse Universe

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



240A4A



270061



440A4A



242226



290066

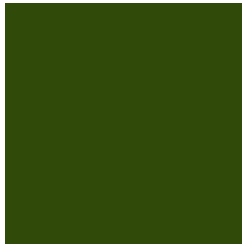


5D00E6



# Previews

## White Background



This preview shows how the Hex color 304A0A looks on a white background.

## Color Contrast Check

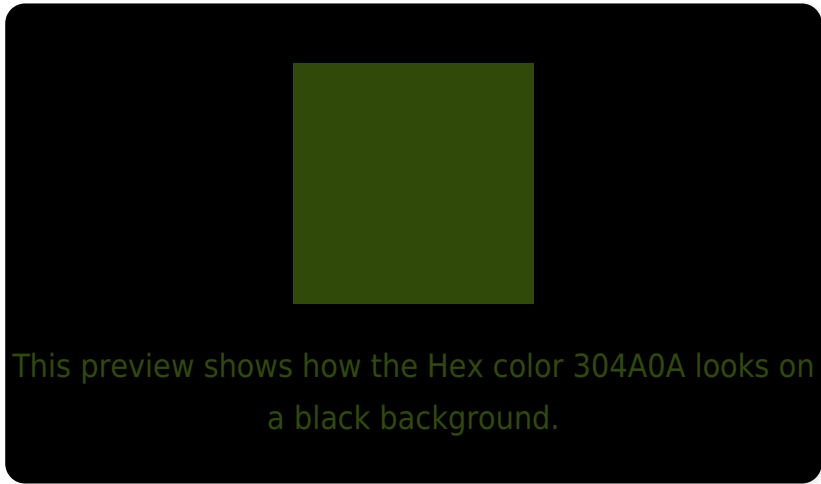
Large Text (above 18pt) WCAG AA ✓ Pass

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

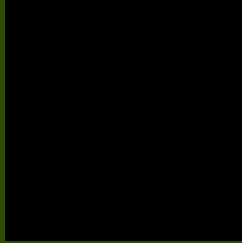
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 304A0A Background



This preview shows how black text looks on a background with the Hex color 304A0A.



This preview shows how white text looks on a background with the Hex color 304A0A.

# 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](#).

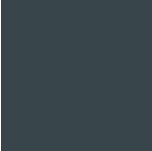
## Dichromacy



**Original Color**  
304A0A

**Protanopia**  
4B4308

**Deuteranopia**  
543F11



**Tritanopia**  
38454A

# Trichromacy



**Original Color**  
304A0A

**Protanomaly**  
414609

**Deuteranomaly**  
47430E

**Tritanomaly**  
354733

# Monochromacy



**Original Color**  
304A0A

**Achromatopsia**  
3B3B3B

**Achromatomaly**  
374029

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 304A0A 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 #304A0A looks like.

```
.text, #text, p{  
    color:#304A0A  
}
```

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 #304A0A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #304A0A
}
```

## Border

The CSS property to change the border of an element to Hex 304A0A 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
#304A0A }
```

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

```
.border{ border-color:#304A0A }
```

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

Here you see how a box with a 4 pixel #304A0A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #304A0A; -webkit-box-shadow:4px 4px  
4px 4px #304A0A; box-shadow:4px 4px 4px  
4px #304A0A }
```

# Background

The CSS property to change the background color of an element to Hex 304A0A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#304A0A }
```

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

```
.background{ background-color:#304A0A }
```

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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