

# Converting Colors

Hex(305800)

Have a look what the booklet for  
Hex(305800) contains.

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**Color**

**Hex(305800)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	305800
RGB	48, 88, 0
RGB Percent	19%, 35%, 0%
CMY	0.8118, 0.6549, 1.0000
CMYK	0.45, 0.00, 1.00, 0.65
HSL	87°, 100%, 17%
HSV	87°, 100%, 35%
XYZ	4.7086, 7.6078, 1.2203
YIQ	66.0080, 4.4080, -35.8480

# Conversions

## Conversions Part 2

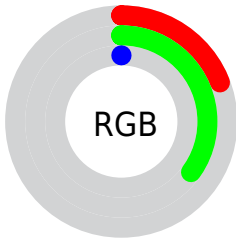
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 88, 40
Decimal	3168256
CIELab	33.15, -28.23, 39.99
CIELCh	33, 48.948, 125.219
Yxy	7.6078, 0.3478, 0.5620
Android (android.graphics.Color)	4281358336 (0xFF305800)
YUV	66.0080, -32.5419, -15.7930
Hunter-Lab	27.5823, -17.7968, 16.6845

# Details

The Hex color **305800** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **280058**, and the grayscale version is **424242**.

A 20% lighter version of the original color is **638A36**, and **002A00** is the 20% darker color. If you saturate the color by 10%, you get **305800**, and if you desaturate by 10%, it is **345809**.

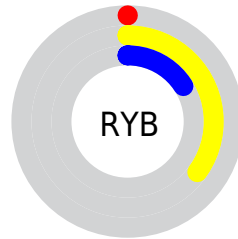
# Distribution



Red (19%)

Green (35%)

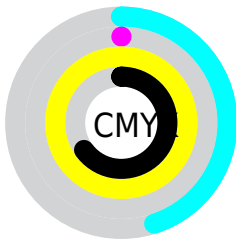
Blue (0%)



Red (0%)

Yellow (35%)

Blue (16%)

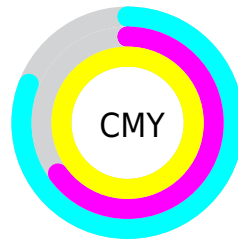


Cyan (45%)

Magenta (0%)

Yellow (100%)

Black (65%)



Cyan (81%)

Magenta (65%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 305800 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 305800 by changing the saturation by 10% instead.



 305800

 305800

 FFFFFF1

 184000

 638A36

 002A00

 7DA54F

 001300

 98C068

 000000

 B4DC82

 D0F99D

 EDFFB8

 FFFFD4

 305800

■ 345809

■ 385812

■ 3C581A

■ 405823

■ 44582C

■ 485835

■ 4C583E

■ 505846

■ 54584F

# Harmonies

## Analogous

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



594F00



305800



005D2B

# Triad

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



305800



005A94



912149

# Complementary

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



305800



280058

# 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.



812C6F



305800



00519C

# Square

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



305800



005F7A



56408E



8D2D23

# Rectangle

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



305800



005F46



56408E



8E2256



# Sweetspot

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



305800



637350



582800



313B26



BABABA



3B3B3B



# Same Dimension

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



305800



3F7300



045800



292B27



3A6B00



80EB00



# Inverse Universe

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



280058



340073



540058



29272B



31006B

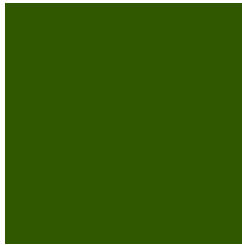


6B00EB



# Previews

## White Background



This preview shows how the Hex color 305800 looks on a white background.

## Color Contrast Check

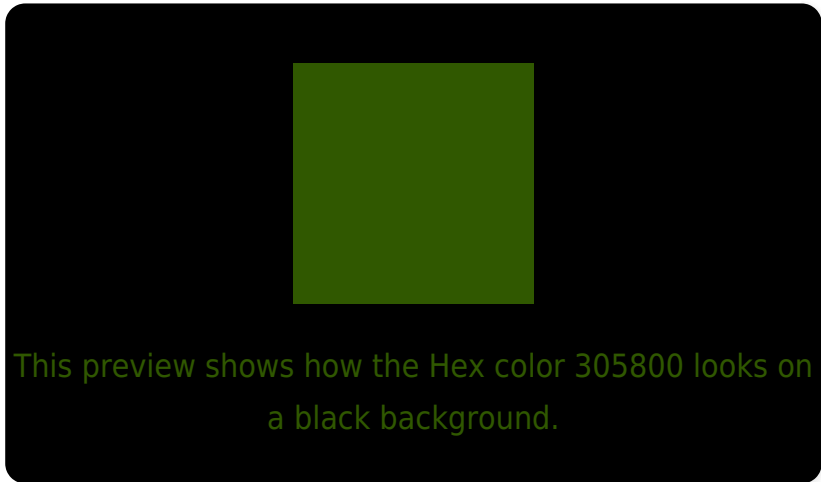
Large Text (above 18pt) WCAG AA ✓ Pass

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

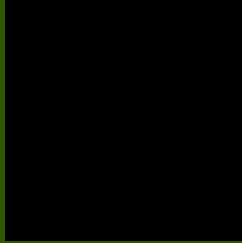
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 305800 Background



This preview shows how black text looks on a background with the Hex color 305800.



This preview shows how white text looks on a background with the Hex color 305800.

# 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](#).

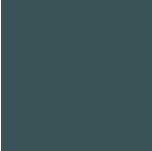
## Dichromacy



**Original Color**  
305800

**Protanopia**  
584E00

**Deuteranopia**  
624A12



**Tritanopia**  
3B5258

# Trichromacy



**Original Color**  
305800

**Protanomaly**  
495200

**Deuteranomaly**  
504F0B

**Tritanomaly**  
375438

# Monochromacy



**Original Color**  
305800

**Achromatopsia**  
424242

**Achromatomaly**  
3B4A2A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 305800 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 #305800 looks like.

```
.text, #text, p{  
    color:#305800  
}
```

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 #305800 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #305800
}
```

## Border

The CSS property to change the border of an element to Hex 305800 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
#305800 }
```

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

```
.border{ border-color:#305800 }
```

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

Here you see how a box with a 4 pixel #305800 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #305800; -webkit-box-shadow:4px 4px  
4px 4px #305800; box-shadow:4px 4px 4px  
4px #305800 }
```

# Background

The CSS property to change the background color of an element to Hex 305800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#305800 }
```

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

```
.background{ background-color:#305800 }
```

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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