

# Converting Colors

Hex(306738)

Have a look what the booklet for  
Hex(306738) contains.

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# Color

**Hex(306738)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	306738
RGB	48, 103, 56
RGB Percent	19%, 40%, 22%
CMY	0.8118, 0.5961, 0.7804
CMYK	0.53, 0.00, 0.46, 0.60
HSL	129°, 36%, 30%
HSV	129°, 53%, 40%
XYZ	6.7830, 10.6144, 5.4327
YIQ	81.1970, -17.6930, -26.2770

# Conversions

## Conversions Part 2

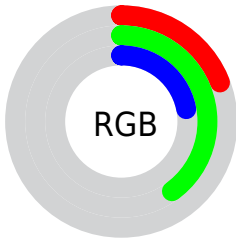
<b>Format</b>	<b>Color</b>
<b>RYB</b>	48, 96, 103
Decimal	3172152
CIELab	38.92, -29.34, 21.07
CIELCh	39, 36.123, 144.325
Yxy	10.6144, 0.2971, 0.4649
Android (android.graphics.Color)	4281362232 (0xFF306738)
YUV	81.1970, -12.4221, -29.1138
Hunter-Lab	32.5797, -19.8515, 12.9192

# Details

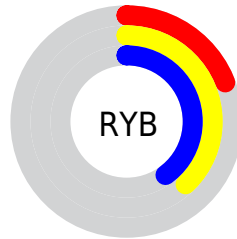
The Hex color **306738** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **67305F**, and the grayscale version is **515151**.

A 20% lighter version of the original color is **639B68**, and **00370C** is the 20% darker color. If you saturate the color by 10%, you get **26672F**, and if you desaturate by 10%, it is **3A6741**.

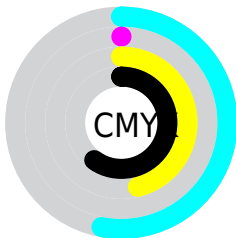
# Distribution



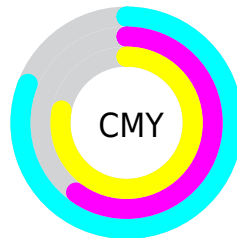
- Red (19%)
- Green (40%)
- Blue (22%)



- Red (19%)
- Yellow (38%)
- Blue (40%)



- Cyan (53%)
- Magenta (0%)
- Yellow (46%)
- Black (60%)



- Cyan (81%)
- Magenta (60%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 306738 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 306738 by changing the saturation by 10% instead.





306738



306738

FFFFFF



164F22



639B68



00370C



7DB681



002300



97D19B



000000



B3EEB6



CFFFD2



EBFFEE



306738



306738



26672F



3A6741

■ 1B6726

■ 45674A

■ 11671E

■ 4F6752

■ 076715

■ 59675B

■ 00670F

■ 646764

■ 6E676D

■ 786776

■ 82677E

■ 8D6787

# Harmonies

## Analogous

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



556123



306738



006A55

# Triad

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



306738



006196



924445

# Complementary

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



306738



67305F

# 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.



8E4262



306738



545691

# Square

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



306738



00678B



7A4A7E



864D2D

# Rectangle

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



306738



006A69



7A4A7E



92424F



# Sweetspot

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



306738



728775



606730



38453A



C4C4C4



454545



# Same Dimension

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



306738



31873D



306753



2E332F



007311



00F223



# Inverse Universe

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



67305F



87317B



673044



332E32



730062

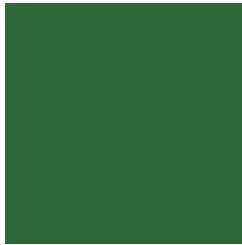


F200CF



# Previews

## White Background



This preview shows how the Hex color 306738 looks on a white background.

## Color Contrast Check

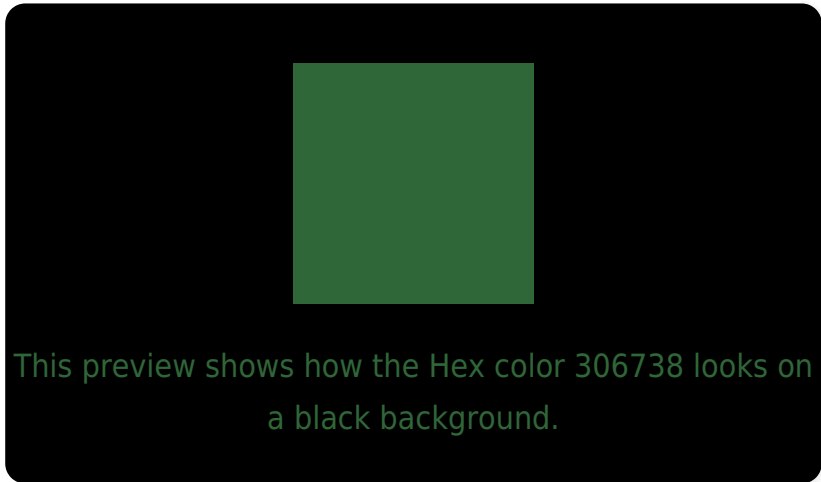
Large Text (above 18pt) WCAG AA ✓ Pass

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

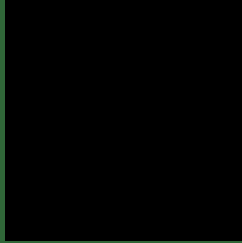
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 306738 Background



This preview shows how black text looks on a background with the Hex color 306738.



This preview shows how white text looks on a background with the Hex color 306738.

# 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**  
306738

**Protanopia**  
645B34

**Deuteranopia**  
6E573C



**Tritanopia**  
3C6169

# Trichromacy



**Original Color**  
306738

**Protanomaly**  
515F35

**Deuteranomaly**  
575D3B

**Tritanomaly**  
386357

# Monochromacy



**Original Color**  
306738

**Achromatopsia**  
515151

**Achromatomaly**  
455948

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 306738 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 #306738 looks like.

```
.text, #text, p{  
    color:#306738  
}
```

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 #306738 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #306738
}
```

## Border

The CSS property to change the border of an element to Hex 306738 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".

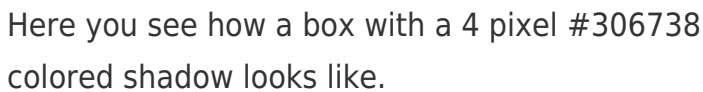
```
.border, #border, table{ border:4px solid
#306738 }
```

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

```
.border{ border-color:#306738 }
```

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

Here you see how a box with a 4 pixel #306738 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #306738; -webkit-box-shadow:4px 4px  
4px 4px #306738; box-shadow:4px 4px 4px  
4px #306738 }
```

# Background

The CSS property to change the background color of an element to Hex 306738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#306738 }
```

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

```
.background{ background-color:#306738 }
```

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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