

Converting Colors

Hex(307668)

Have a look what the booklet for
Hex(307668) contains.

Hex(307668)	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(307668)

Conversions

Conversions Part 1

Format	Color
Hex	307668
RGB	48, 118, 104
RGB Percent	19%, 46%, 41%
CMY	0.8118, 0.5373, 0.5922
CMYK	0.59, 0.00, 0.12, 0.54
HSL	168°, 42%, 33%
HSV	168°, 59%, 46%
XYZ	10.1960, 14.5847, 15.3744
YIQ	95.4740, -37.2260, -19.1940

Conversions

Conversions Part 2

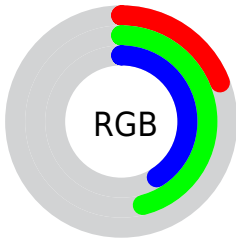
Format	Color
RYB	48, 87, 118
Decimal	3176040
CIELab	45.06, -25.61, 1.13
CIELCh	45, 25.640, 177.474
Yxy	14.5847, 0.2539, 0.3632
Android (android.graphics.Color)	4281366120 (0xFF307668)
YUV	95.4740, 4.2033, -41.6347
Hunter-Lab	38.1899, -19.1760, 2.8641




Details

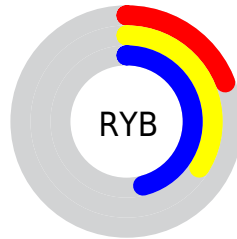
The Hex color **307668** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **76303E**, and the grayscale version is **5F5F5F**.




A 20% lighter version of the original color is **65AB9B**, and **004539** is the 20% darker color. If you saturate the color by 10%, you get **247666**, and if you desaturate by 10%, it is **3C766A**.

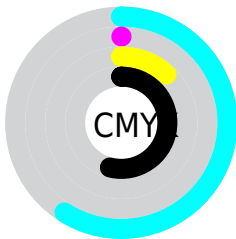
Distribution







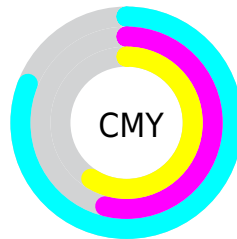
-  Red (19%)
-  Green (46%)
-  Blue (41%)






-  Red (19%)
-  Yellow (34%)
-  Blue (46%)



-  Cyan (59%)
-  Magenta (0%)
-  Yellow (12%)
-  Black (54%)



-  Cyan (81%)
-  Magenta (54%)
-  Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the Hex color 307668 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 307668 by changing the saturation by 10% instead.



307668



307668

FFFFFF



115D50



65AB9B



004539



80C6B6



002E24



9BE2D1



001B0E



B7FFEE



000000



D4FFFF



F1FFFF



307668



307668



247666



3C766A

■ 187663

■ 48766D

■ 0D7661

■ 53766F

■ 01765F

■ 5F7671

■ 00765E

■ 6B7674

■ 777676

■ 837679

■ 8E767B

■ 9A767D

Harmonies

Analogous

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



4B7453



307668



18767E

Triad

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



307668



6B6690



8B6147

Complementary

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



307668



76303E

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.



945C58



307668



845E82

Square

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



307668



496D95



925A6D



7B6940

Rectangle

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



307668



1D7489



925A6D



8F5F4C

Sweetspot

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



307668



7D9993



3E7630



3C4D49



CCCCCC



4D4D4D

Same Dimension

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



307668



2C9983



306176



353B39



007A62



00FAC8

Inverse Universe

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



76303E



992C42



764530



3B3536



7A0018



FA0032

Previews

White Background



This preview shows how the Hex color 307668 looks on a white background.

Color Contrast Check

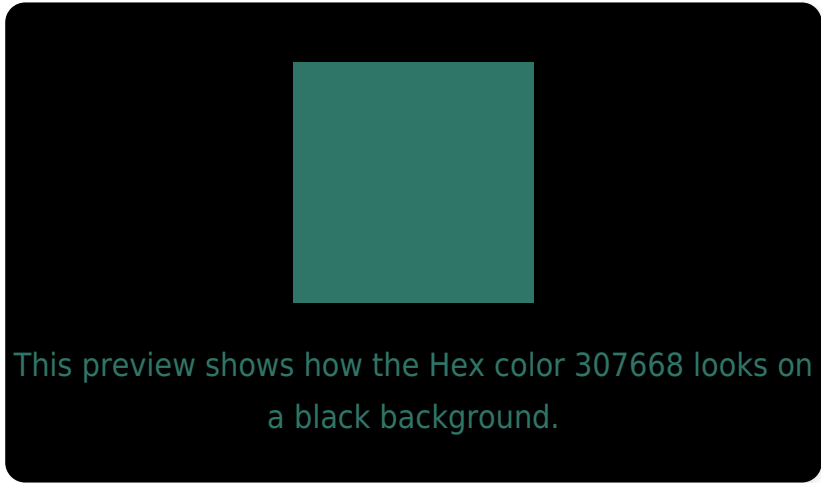
Large Text (above 18pt) WCAG AA ✓ Pass

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

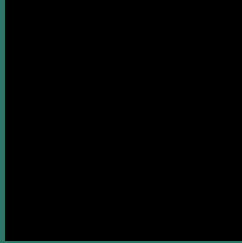
Any Text WCAG AA × Fail

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 307668 Background



This preview shows how black text looks on a background with the Hex color 307668.



This preview shows how white text looks on a background with the Hex color 307668.

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
307668

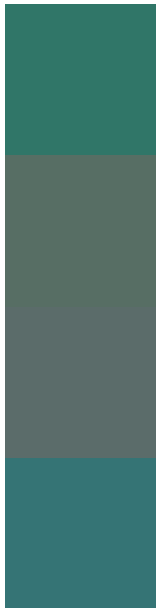
Protanopia
6E6A61

Deuteranopia
74676B



Tritanopia
38737C

Trichromacy



Original Color
307668

Protanomaly
576E64

Deuteranomaly
5B6C6A

Tritanomaly
357475

Monochromacy



Original Color
307668

Achromatopsia
5F5F5F

Achromatomaly
4E6762

CSS Examples

Text

The CSS property to change the color of the text to Hex 307668 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 #307668 looks like.

```
.text, #text, p{  
    color:#307668  
}
```

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 #307668 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #307668  
}
```

Border

The CSS property to change the border of an element to Hex 307668 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  
#307668 }
```

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

```
.border{ border-color:#307668 }
```

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

Here you see how a box with a 4 pixel #307668 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #307668; -webkit-box-shadow:4px 4px  
4px 4px #307668; box-shadow:4px 4px 4px  
4px #307668 }
```

Background

The CSS property to change the background color of an element to Hex 307668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#307668 }
```

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

```
.background{ background-color:#307668 }
```

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