

# Converting Colors

Hex(306745)

Have a look what the booklet for  
Hex(306745) contains.

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# Color

Hex(306745)

# Conversions

## Conversions Part 1

Format	Color
Hex	306745
RGB	48, 103, 69
RGB Percent	19%, 40%, 27%
CMY	0.8118, 0.5961, 0.7294
CMYK	0.53, 0.00, 0.33, 0.60
HSL	143°, 36%, 30%
HSV	143°, 53%, 40%
XYZ	7.1433, 10.7585, 7.3303
YIQ	82.6790, -21.8660, -22.2340

# Conversions

## Conversions Part 2

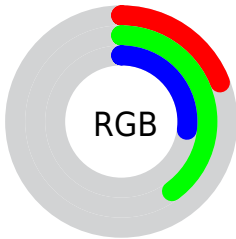
<b>Format</b>	<b>Color</b>
<b>RYB</b>	48, 88, 103
Decimal	3172165
CIELab	39.17, -26.80, 13.76
CIElCh	39, 30.127, 152.822
Yxy	10.7585, 0.2831, 0.4264
Android (android.graphics.Color)	4281362245 (0xFF306745)
YUV	82.6790, -6.7437, -30.4135
Hunter-Lab	32.8002, -18.5260, 9.7098

# Details

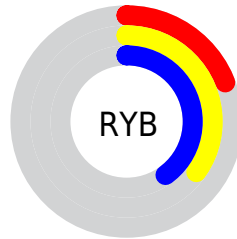
The Hex color **306745** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **673052**, and the grayscale version is **535353**.

A 20% lighter version of the original color is **629B75**, and **003719** is the 20% darker color. If you saturate the color by 10%, you get **26673F**, and if you desaturate by 10%, it is **3A674B**.

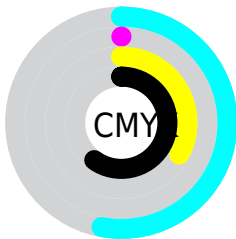
# Distribution



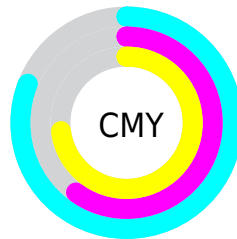
- Red (19%)
- Green (40%)
- Blue (27%)



- Red (19%)
- Yellow (35%)
- Blue (40%)



- Cyan (53%)
- Magenta (0%)
- Yellow (33%)
- Black (60%)



- Cyan (81%)
- Magenta (60%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 306745 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 306745 by changing the saturation by 10% instead.



 306745

 306745

FFFFFF

 164F2F

 629B75

 003719

 7CB68F

 002200

 97D1AA

 000000

 B2EEC5

 CEFFE1

 EBFFFE

 306745

 306745

 26673F

 3A674B

■ 1B6738

■ 456752

■ 116732

■ 4F6758

■ 07672C

■ 59675E

■ 006727

■ 646765

■ 6E676B

■ 786772

■ 826778

■ 8D677E

# Harmonies

## Analogous

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



506332



306745



00695E

# Triad

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



306745



385E8D



894B43

# Complementary

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



306745



673052

# 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.



8A485B



306745



615585

# Square

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



306745



006587



7D4C73



7D5331

# Rectangle

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



306745



00696E



7D4C73



8B494B



# Sweetspot

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



306745



72877A



536730



38453D



C4C4C4



454545



# Same Dimension

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



306745



318752



306760



2E3330



00732C



00F25C



# Inverse Universe

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



673052



873166



673037



332E31



730047

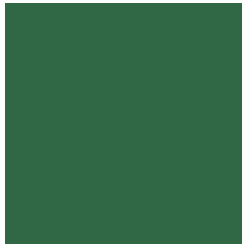


F20096



# Previews

## White Background



This preview shows how the Hex color 306745 looks on a white background.

## Color Contrast Check

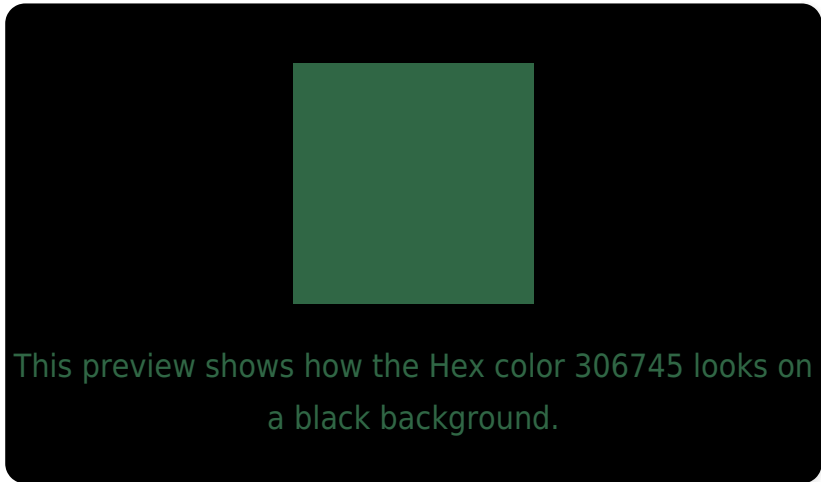
Large Text (above 18pt) WCAG AA ✓ Pass

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

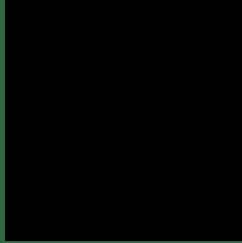
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 306745 Background



This preview shows how black text looks on a background with the Hex color 306745.



This preview shows how white text looks on a background with the Hex color 306745.

# 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**  
306745

**Protanopia**  
635C40

**Deuteranopia**  
6B5848



**Tritanopia**  
3A626A

# Trichromacy



**Original Color**  
306745

**Protanomaly**  
506042

**Deuteranomaly**  
565D47

**Tritanomaly**  
36645D

# Monochromacy



**Original Color**  
306745

**Achromatopsia**  
535353

**Achromatomaly**  
465A4E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 306745 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 #306745 looks like.

```
.text, #text, p{  
    color:#306745  
}
```

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 #306745 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #306745
}
```

## Border

The CSS property to change the border of an element to Hex 306745 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
#306745 }
```

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

```
.border{ border-color:#306745 }
```

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

Here you see how a box with a 4 pixel #306745 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #306745; -webkit-box-shadow:4px 4px  
4px 4px #306745; box-shadow:4px 4px 4px  
4px #306745 }
```

# Background

The CSS property to change the background color of an element to Hex 306745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#306745 }
```

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

```
.background{ background-color:#306745 }
```

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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