

# Converting Colors

Hex(307A45)

Have a look what the booklet for  
Hex(307A45) contains.

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# Color

**Hex(307A45)**

# Conversions

## Conversions Part 1

Format	Color
Hex	307A45
RGB	48, 122, 69
RGB Percent	19%, 48%, 27%
CMY	0.8118, 0.5216, 0.7294
CMYK	0.61, 0.00, 0.43, 0.52
HSL	137°, 44%, 33%
HSV	137°, 61%, 48%
XYZ	9.2526, 14.9771, 8.0334
YIQ	93.8320, -27.0910, -32.1710

# Conversions

## Conversions Part 2

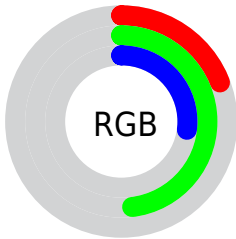
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	48, 106, 122
Decimal	3177029
CIE <sub>Lab</sub>	45.60, -35.52, 22.33
CIE <sub>LCh</sub>	46, 41.955, 147.846
Yxy	14.9771, 0.2868, 0.4642
Android (android.graphics.Color)	4281367109 (0xFF307A45)
YUV	93.8320, -12.2422, -40.1947
Hunter-Lab	38.7003, -25.0489, 14.7827

# Details

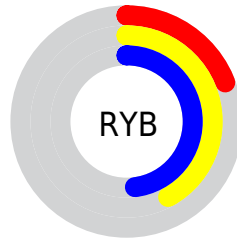
The Hex color **307A45** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **7A3065**, and the grayscale version is **5E5E5E**.

A 20% lighter version of the original color is **65AF76**, and **004818** is the 20% darker color. If you saturate the color by 10%, you get **247A3C**, and if you desaturate by 10%, it is **3C7A4E**.

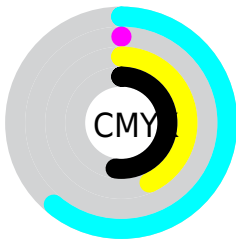
# Distribution



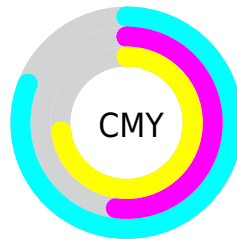
- Red (19%)
- Green (48%)
- Blue (27%)



- Red (19%)
- Yellow (42%)
- Blue (48%)



- Cyan (61%)
- Magenta (0%)
- Yellow (43%)
- Black (52%)



- Cyan (81%)
- Magenta (52%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 307A45 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 307A45 by changing the saturation by 10% instead.



 307A45

 307A45

FFFFFF

 11612E

 65AF76

 004818

 80CB90

 003100

 9CE7AA

 001C00

 B7FFC6

 000000

 D4FFE2

 F1FFFF

 307A45

 307A45

 247A3C

 3C7A4E

■ 187A34

■ 487A56

■ 0B7A2B

■ 557A5F

■ 007A23

■ 617A68

■ 6D7A71

■ 797A79

■ 857A82

■ 927A8B

■ 9E7A94

# Harmonies

## Analogous

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



5F742A



307A45



007D68

# Triad

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



307A45



0871B2



AB504D

# Complementary

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



307A45



7A3065

# 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.



AA4D70



307A45



6964AA

# Square

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



307A45



0079A7



945592



9C5C31

# Rectangle

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



307A45



007D80



945592



AD4E58



# Sweetspot

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



307A45



829E8A



657A30



3E4F43



CFCFCF



4F4F4F



# Same Dimension

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



307A45



2B9E4B



307A6A



373D39



007D23



00FC48



# Inverse Universe

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



7A3065



9E2B7D



7A3040



3D373B



7D0059



FC00B5



# Previews

## White Background



This preview shows how the Hex color 307A45 looks on a white background.

## Color Contrast Check

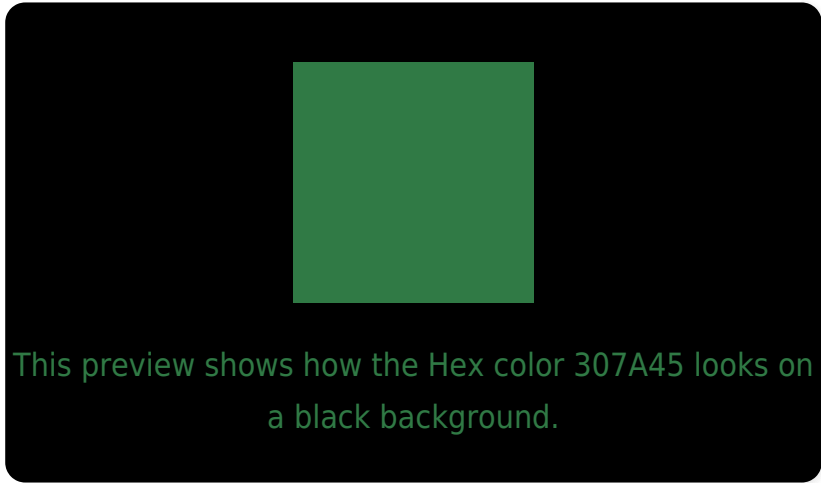
Large Text (above 18pt) WCAG AA ✓ Pass

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 307A45 Background



This preview shows how black text looks on a background with the Hex color 307A45.



This preview shows how white text looks on a background with the Hex color 307A45.

# 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**  
307A45

**Protanopia**  
766B3F

**Deuteranopia**  
80674A



**Tritanopia**  
40747D

# Trichromacy



**Original Color**  
307A45

**Protanomaly**  
5D7041

**Deuteranomaly**  
636E48

**Tritanomaly**  
3A7669

# Monochromacy



**Original Color**  
307A45

**Achromatopsia**  
5E5E5E

**Achromatomaly**  
4D6855

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 307A45 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 #307A45 looks like.

```
.text, #text, p{  
    color:#307A45  
}
```

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 #307A45 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #307A45
}
```

## Border

The CSS property to change the border of an element to Hex 307A45 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
#307A45 }
```

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

```
.border{ border-color:#307A45 }
```

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

Here you see how a box with a 4 pixel #307A45 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #307A45; -webkit-box-shadow:4px 4px  
4px 4px #307A45; box-shadow:4px 4px 4px  
4px #307A45 }
```

# Background

The CSS property to change the background color of an element to Hex 307A45 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#307A45 }
```

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

```
.background{ background-color:#307A45 }
```

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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