

# Converting Colors

Hex(307F22)

Have a look what the booklet for  
Hex(307F22) contains.

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# Color

Hex(307F22)

# Conversions

## Conversions Part 1

Format	Color
Hex	307F22
RGB	48, 127, 34
RGB Percent	19%, 50%, 13%
CMY	0.8118, 0.5020, 0.8667
CMYK	0.62, 0.00, 0.73, 0.50
HSL	111°, 58%, 32%
HSV	111°, 73%, 50%
XYZ	9.0970, 15.9226, 4.1073
YIQ	92.7770, -17.2310, -45.6710

# Conversions

## Conversions Part 2

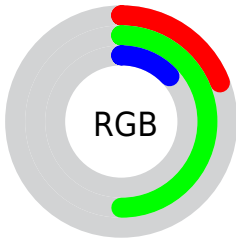
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	34, 127, 113
Decimal	3178274
CIE <sub>Lab</sub>	46.87, -42.29, 41.33
CIE <sub>LCh</sub>	47, 59.130, 135.661
Yxy	15.9226, 0.3123, 0.5467
Android (android.graphics.Color)	4281368354 (0xFF307F22)
YUV	92.7770, -28.9771, -39.2694
Hunter-Lab	39.9032, -29.1365, 21.8294

# Details

The Hex color **307F22** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **71227F**, and the grayscale version is **5D5D5D**.

A 20% lighter version of the original color is **68B554**, and **004D00** is the 20% darker color. If you saturate the color by 10%, you get **257F15**, and if you desaturate by 10%, it is **3B7F2F**.

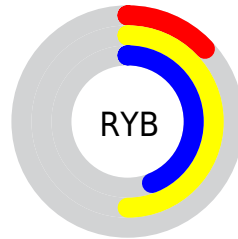
# Distribution



Red (19%)

Green (50%)

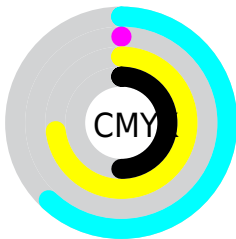
Blue (13%)



Red (13%)

Yellow (50%)

Blue (44%)

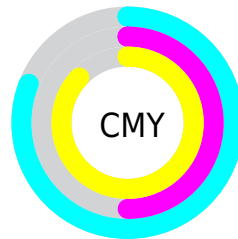


Cyan (62%)

Magenta (0%)

Yellow (73%)

Black (50%)



Cyan (81%)

Magenta (50%)

Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 307F22 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 307F22 by changing the saturation by 10% instead.





307F22



307F22

FFFFFF



0C6504



68B554



004D00



83D06E



003500



9FED88



002000



BBFFA3



000000



D8FFBF



F6FFDB



FFFFFF8



307F22



307F22

■ 257F15

■ 3B7F2F

■ 1A7F09

■ 467F3B

■ 137F00

■ 507F48

■ 5B7F55

■ 667F62

■ 717F6E

■ 7C7F7B

■ 867F88

■ 917F94

# Harmonies

## Analogous

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



6E7500



307F22



008455

# Triad

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



307F22



007CD0



C73B57

# Complementary

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



307F22



71227F

# 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.



BC3E89



307F22



316CD0

# Square

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



307F22



0083B6



9155B5



B94E29

# Rectangle

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



307F22



008677



9155B5



C63968



# Sweetspot

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



307F22



87A681



7F7022



42543E



D4D4D4



545454



# Same Dimension

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



307F22



2AA614



227F41



3A4039



138000



000000



# Inverse Universe

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



71227F



9014A6



7F2260



3F3940



6C0080



000000



# Previews

## White Background



This preview shows how the Hex color 307F22 looks on a white background.

## Color Contrast Check

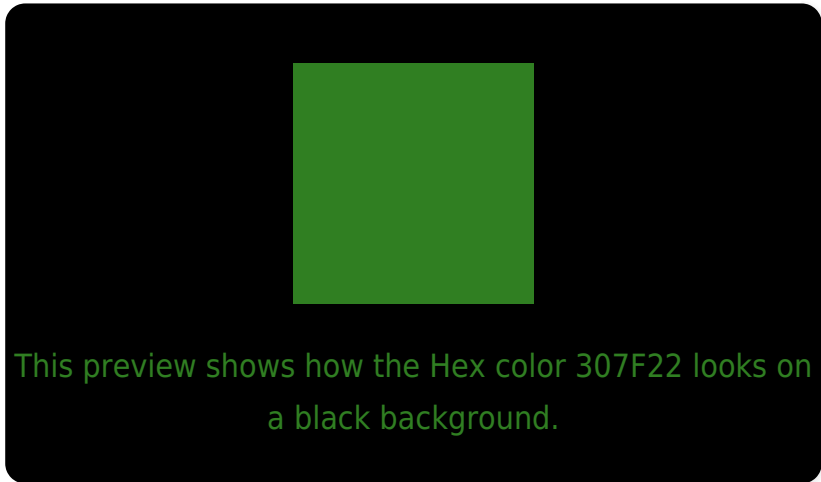
Large Text (above 18pt) WCAG AA ✓ Pass

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 307F22 Background



This preview shows how black text looks on a background with the Hex color 307F22.



This preview shows how white text looks on a background with the Hex color 307F22.

# 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**  
307F22

**Protanopia**  
7C6F1E

**Deuteranopia**  
8A692A



**Tritanopia**  
457680

# Trichromacy



**Original Color**  
307F22

**Protanomaly**  
60751F

**Deuteranomaly**  
697127

**Tritanomaly**  
3D795E

# Monochromacy



**Original Color**  
307F22

**Achromatopsia**  
5D5D5D

**Achromatomaly**  
4D6948

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 307F22 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 #307F22 looks like.

```
.text, #text, p{  
    color:#307F22  
}
```

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 #307F22 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #307F22
}
```

## Border

The CSS property to change the border of an element to Hex 307F22 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
#307F22 }
```

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

```
.border{ border-color:#307F22 }
```

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

Here you see how a box with a 4 pixel #307F22 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #307F22; -webkit-box-shadow:4px 4px  
4px 4px #307F22; box-shadow:4px 4px 4px  
4px #307F22 }
```

# Background

The CSS property to change the background color of an element to Hex 307F22 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#307F22 }
```

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

```
.background{ background-color:#307F22 }
```

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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