

# Converting Colors

Hex(2F7C2E)

Have a look what the booklet for  
Hex(2F7C2E) contains.

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# Color

Hex(2F7C2E)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2F7C2E
RGB	47, 124, 46
RGB Percent	18%, 49%, 18%
CMY	0.8157, 0.5137, 0.8196
CMYK	0.62, 0.00, 0.63, 0.51
HSL	119°, 46%, 33%
HSV	119°, 63%, 49%
XYZ	8.8731, 15.2169, 5.0543
YIQ	92.0850, -20.8540, -40.5820

# Conversions

## Conversions Part 2

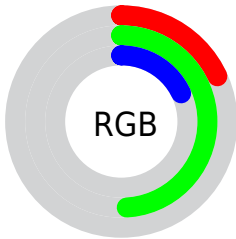
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	46, 124, 123
Decimal	3111982
CIE Lab	45.93, -40.12, 34.90
CIE LCh	46, 53.173, 138.981
Yxy	15.2169, 0.3045, 0.5221
Android (android.graphics.Color)	4281302062 (0xFF2F7C2E)
YUV	92.0850, -22.7199, -39.5395
Hunter-Lab	39.0088, -27.6633, 19.6242

# Details

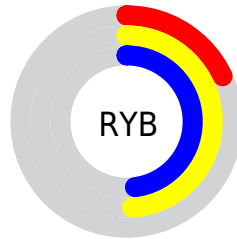
The Hex color **2F7C2E** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **7B2E7C**, and the grayscale version is **5C5C5C**.

A 20% lighter version of the original color is **66B15F**, and **004A00** is the 20% darker color. If you saturate the color by 10%, you get **237C22**, and if you desaturate by 10%, it is **3B7C3A**.

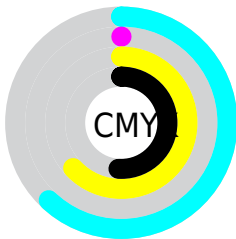
# Distribution



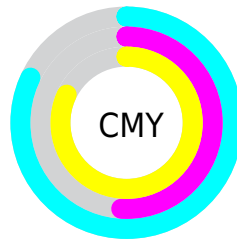
- Red (18%)
- Green (49%)
- Blue (18%)



- Red (18%)
- Yellow (49%)
- Blue (48%)



- Cyan (62%)
- Magenta (0%)
- Yellow (63%)
- Black (51%)



- Cyan (82%)
- Magenta (51%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2F7C2E 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 2F7C2E by changing the saturation by 10% instead.



 2F7C2E

 2F7C2E

FFFFFF

 0C6316

 66B15F

 004A00

 81CD78

 003200

 9DEA93

 001D00

 B9FFAE

 000000

 D5FFC9

 F3FFE6

 2F7C2E

 2F7C2E

 237C22

 3B7C3A

■ 177C15

■ 477C47

■ 0A7C09

■ 547C53

■ 027C00

■ 607C60

■ 6C7C6C

■ 787C78

■ 857C85

■ 917C91

■ 9D7C9E

# Harmonies

## Analogous

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



687305



2F7C2E



00805A

# Triad

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



2F7C2E



0077C4



BC4253

# Complementary

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



2F7C2E



7B2E7C

# 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.



B4427F



2F7C2E



4A68C1

# Square

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



2F7C2E



007FAF



9254A8



AE522A

# Rectangle

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



2F7C2E



008279



9254A8



BC4061



# Sweetspot

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



2F7C2E



83A182



7C7B2E



3F523F



D1D1D1



525252



# Same Dimension

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



2F7C2E



2AA128



2E7C54



373D37



027D00



03FC00



# Inverse Universe

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



7B2E7C



9F28A1



7C2E56



3D373D



7B007D



F900FC



# Previews

## White Background



This preview shows how the Hex color 2F7C2E looks on a white background.

## Color Contrast Check

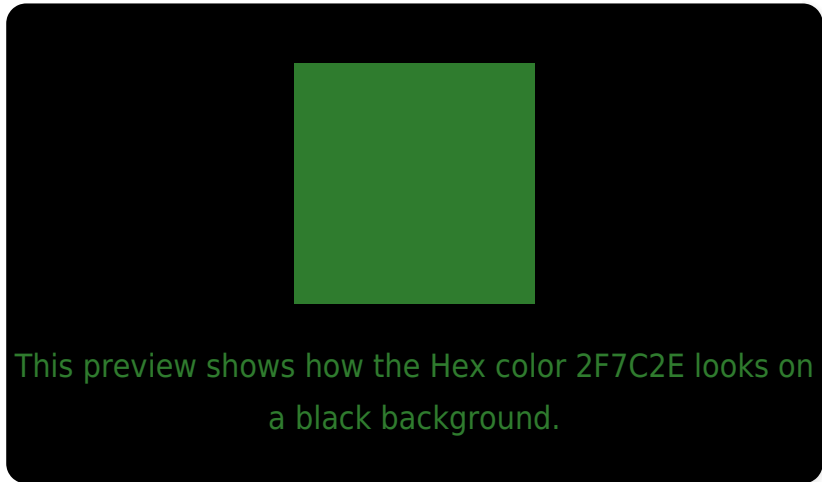
Large Text (above 18pt) WCAG AA ✓ Pass

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

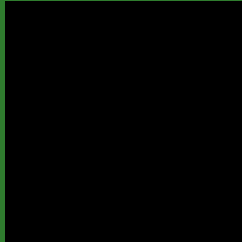
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2F7C2E Background



This preview shows how black text looks on a background with the Hex color 2F7C2E.



This preview shows how white text looks on a background with the Hex color 2F7C2E.

# 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**  
2F7C2E

**Protanopia**  
796C29

**Deuteranopia**  
856734



**Tritanopia**  
42747D

# Trichromacy



**Original Color**  
2F7C2E



**Protanomaly**  
5E722B



**Deuteranomaly**  
666F32



**Tritanomaly**  
3B7760

# Monochromacy



**Original Color**  
2F7C2E



**Achromatopsia**  
5C5C5C



**Achromatomaly**  
4C684B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2F7C2E 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 #2F7C2E looks like.

```
.text, #text, p{  
    color:#2F7C2E  
}
```

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 #2F7C2E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2F7C2E
}
```

## Border

The CSS property to change the border of an element to Hex 2F7C2E 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".

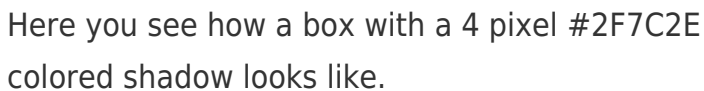
```
.border, #border, table{ border:4px solid
#2F7C2E }
```

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

```
.border{ border-color:#2F7C2E }
```

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

Here you see how a box with a 4 pixel #2F7C2E colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2F7C2E; -webkit-box-shadow:4px 4px  
4px 4px #2F7C2E; box-shadow:4px 4px 4px  
4px #2F7C2E }
```

# Background

The CSS property to change the background color of an element to Hex 2F7C2E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2F7C2E }
```

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

```
.background{ background-color:#2F7C2E }
```

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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