

# Converting Colors

Hex(2F7E63)

Have a look what the booklet for  
Hex(2F7E63) contains.

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# Color

Hex(2F7E63)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2F7E63
RGB	47, 126, 99
RGB Percent	18%, 49%, 39%
CMY	0.8157, 0.5059, 0.6118
CMYK	0.63, 0.00, 0.21, 0.51
HSL	159°, 46%, 34%
HSV	159°, 63%, 49%
XYZ	10.8853, 16.4269, 14.4014
YIQ	99.3010, -38.4170, -25.1450

# Conversions

## Conversions Part 2

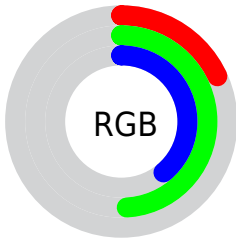
<b>Format</b>	<b>Color</b>
<b>RYB</b>	47, 95, 126
Decimal	3112547
CIELab	47.53, -31.02, 7.63
CIElCh	48, 31.948, 166.177
Yxy	16.4269, 0.2610, 0.3938
Android (android.graphics.Color)	4281302627 (0xFF2F7E63)
YUV	99.3010, -0.1484, -45.8680
Hunter-Lab	40.5301, -22.9875, 7.3038

# Details

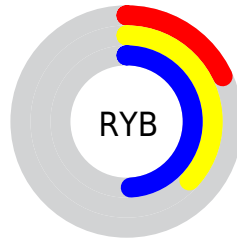
The Hex color **2F7E63** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **7E2F4A**, and the grayscale version is **636363**.

A 20% lighter version of the original color is **66B396**, and **004C34** is the 20% darker color. If you saturate the color by 10%, you get **227E5F**, and if you desaturate by 10%, it is **3C7E67**.

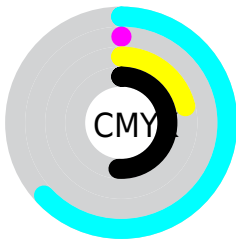
# Distribution



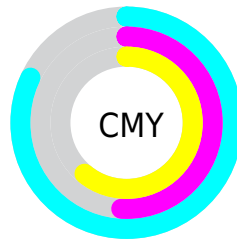
- Red (18%)
- Green (49%)
- Blue (39%)



- Red (18%)
- Yellow (37%)
- Blue (49%)



- Cyan (63%)
- Magenta (0%)
- Yellow (21%)
- Black (51%)



- Cyan (82%)
- Magenta (51%)
- Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2F7E63 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 2F7E63 by changing the saturation by 10% instead.



 2F7E63

 2F7E63

FFFFFF

 0D654B


 66B396

 004C34

 81CFB0

 00351F

 9CEBCC

 002107

 B8FFE8

 000000

 D5FFFF

 F2FFFF

 2F7E63

 2F7E63

 227E5F

 3C7E67

■ 167E5A

■ 487E6C

■ 097E56

■ 557E70

■ 007E53

■ 617E74

■ 6E7E79

■ 7B7E7D

■ 877E81

■ 947E85

■ A07E8A

# Harmonies

## Analogous

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



557A4A



2F7E63



007F7F

# Triad

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



2F7E63



606EA4



9E614B

# Complementary

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



2F7E63



7E2F4A

# 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.



A55C63



2F7E63



866496

# Square

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



2F7E63



2B77A5



9D5D7E



8C6B3C

# Rectangle

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



2F7E63



007E90



9D5D7E



A25F52



# Sweetspot

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



2F7E63



84A399



4B7E2F



3F524B



D1D1D1



525252



# Same Dimension

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



2F7E63



29A379



2F727E



39403E



008054



000000



# Inverse Universe

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



7E2F4A



A32953



7E3B2F



40393C



80002C



000000



# Previews

## White Background



This preview shows how the Hex color 2F7E63 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

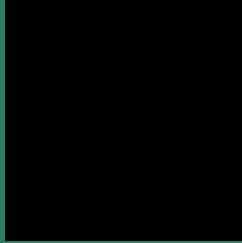
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2F7E63 Background



This preview shows how black text looks on a background with the Hex color 2F7E63.

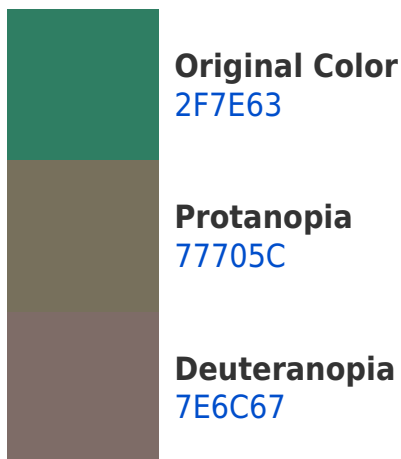



This preview shows how white text looks on a background with the Hex color 2F7E63.

# 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](#).

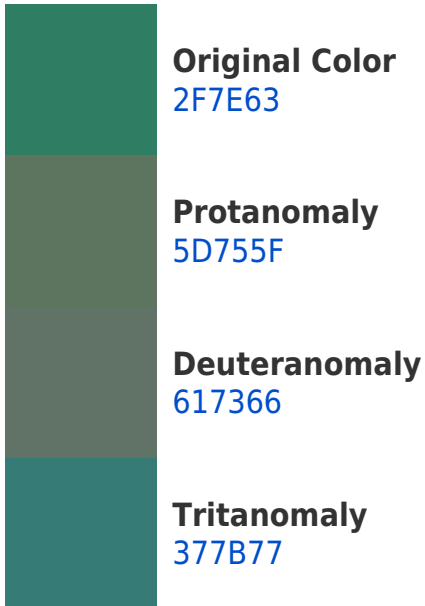
## Dichromacy





**Tritanopia**  
3B7A83

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2F7E63 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 #2F7E63 looks like.

```
.text, #text, p{  
    color:#2F7E63  
}
```

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 #2F7E63 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2F7E63
}
```

## Border

The CSS property to change the border of an element to Hex 2F7E63 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
#2F7E63 }
```

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

```
.border{ border-color:#2F7E63 }
```

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

Here you see how a box with a 4 pixel #2F7E63 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2F7E63; -webkit-box-shadow:4px 4px  
4px 4px #2F7E63; box-shadow:4px 4px 4px  
4px #2F7E63 }
```

# Background

The CSS property to change the background color of an element to Hex 2F7E63 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2F7E63 }
```

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

```
.background{ background-color:#2F7E63 }
```

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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