

# Converting Colors

Hex(2F7A50)

Have a look what the booklet for  
Hex(2F7A50) contains.

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# Color

Hex(2F7A50)

# Conversions

## Conversions Part 1

Format	Color
Hex	2F7A50
RGB	47, 122, 80
RGB Percent	18%, 48%, 31%
CMY	0.8157, 0.5216, 0.6863
CMYK	0.61, 0.00, 0.34, 0.52
HSL	146°, 44%, 33%
HSV	146°, 61%, 48%
XYZ	9.5798, 15.1026, 9.9996
YIQ	94.7870, -31.2180, -28.9620

# Conversions

## Conversions Part 2

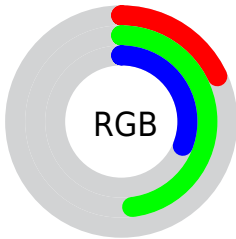
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	47, 99, 122
Decimal	3111504
CIE Lab	45.77, -33.58, 16.27
CIE LCh	46, 37.315, 154.144
Yxy	15.1026, 0.2762, 0.4355
Android (android.graphics.Color)	4281301584 (0xFF2F7A50)
YUV	94.7870, -7.2900, -41.9092
Hunter-Lab	38.8621, -24.0070, 11.9475

# Details

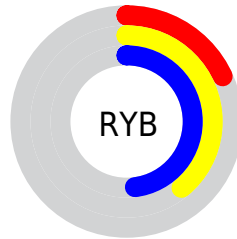
The Hex color **2F7A50** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **7A2F59**, and the grayscale version is **5F5F5F**.

A 20% lighter version of the original color is **65AF81**, and **004823** is the 20% darker color. If you saturate the color by 10%, you get **237A49**, and if you desaturate by 10%, it is **3B7A57**.

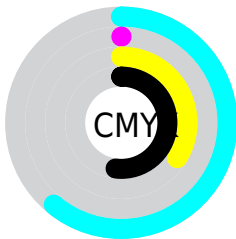
# Distribution



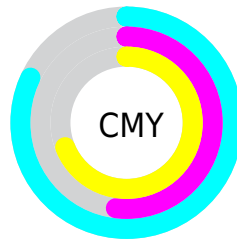
- Red (18%)
- Green (48%)
- Blue (31%)



- Red (18%)
- Yellow (39%)
- Blue (48%)



- Cyan (61%)
- Magenta (0%)
- Yellow (34%)
- Black (52%)



- Cyan (82%)
- Magenta (52%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2F7A50 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 2F7A50 by changing the saturation by 10% instead.



 2F7A50

 2F7A50

FFFFFF

 0F6139

 65AF81

 004823

 7FCB9C

 00310E

 9BE7B7

 001D00

 B6FFD2

 000000

 D3FFE7

 F0FFFF

 2F7A50

 2F7A50

 237A49

 3B7A57

■ 177A42

■ 477A5E

■ 0A7A3C

■ 547A64

■ 007A36

■ 607A6B

■ 6C7A72

■ 787A79

■ 847A80

■ 917A87

■ 9D7A8D

# Harmonies

## Analogous

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



5A7537



2F7A50



007C70

# Triad

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



2F7A50



3C6EAA



A4564B

# Complementary

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



2F7A50



7A2F59

# 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.



A65269



2F7A50



7462A0

# Square

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



2F7A50



0077A4



965788



946134

# Rectangle

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



2F7A50



007C85



965788



A65455



# Sweetspot

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



2F7A50



829E8E



5A7A2F



3E4F45



CFCFCF



4F4F4F



# Same Dimension

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



2F7A50



299E5D



2F7A75



373D3A



007D37



00FC6F



# Inverse Universe

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



7A2F59



9E296B



7A2F34



3D373B



7D0046



FC008D



# Previews

## White Background



This preview shows how the Hex color 2F7A50 looks on a white background.

## Color Contrast Check

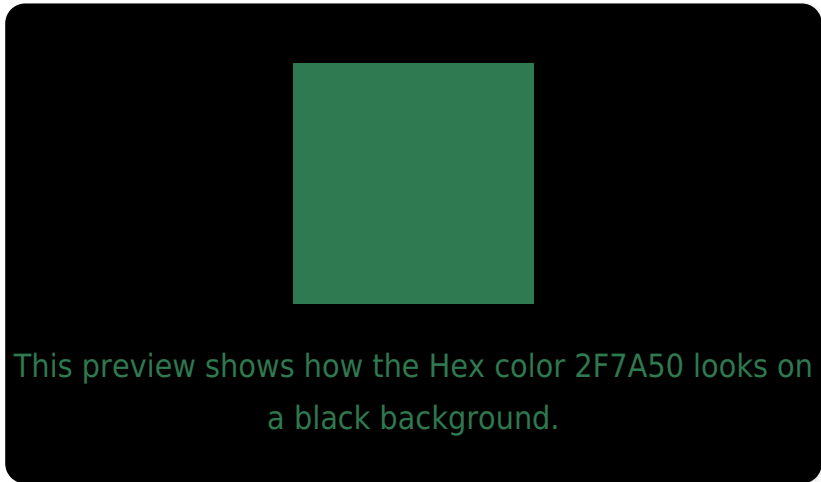
Large Text (above 18pt) WCAG AA ✓ Pass

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

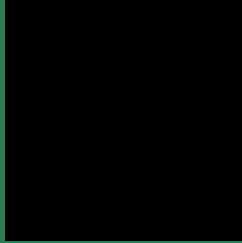
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2F7A50 Background



This preview shows how black text looks on a background with the Hex color 2F7A50.

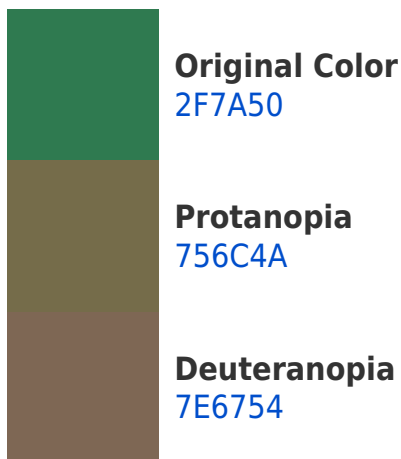


This preview shows how white text looks on a background with the Hex color 2F7A50.

# 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**  
3D747E

# Trichromacy



**Original Color**  
2F7A50

**Protanomaly**  
5C714C

**Deuteranomaly**  
616E53

**Tritanomaly**  
38766D

# Monochromacy



**Original Color**  
2F7A50

**Achromatopsia**  
5F5F5F

**Achromatomaly**  
4E695A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2F7A50 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 #2F7A50 looks like.

```
.text, #text, p{  
    color:#2F7A50  
}
```

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 #2F7A50 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2F7A50
}
```

## Border

The CSS property to change the border of an element to Hex 2F7A50 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
#2F7A50 }
```

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

```
.border{ border-color:#2F7A50 }
```

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

Here you see how a box with a 4 pixel #2F7A50 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2F7A50; -webkit-box-shadow:4px 4px  
4px 4px #2F7A50; box-shadow:4px 4px 4px  
4px #2F7A50 }
```

# Background

The CSS property to change the background color of an element to Hex 2F7A50 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2F7A50 }
```

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

```
.background{ background-color:#2F7A50 }
```

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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