

# Converting Colors

Hex(2A7F63)

Have a look what the booklet for  
Hex(2A7F63) contains.

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# Color

Hex(2A7F63)

# Conversions

## Conversions Part 1

Format	Color
Hex	2A7F63
RGB	42, 127, 99
RGB Percent	16%, 50%, 39%
CMY	0.8353, 0.5020, 0.6118
CMYK	0.67, 0.00, 0.22, 0.50
HSL	160°, 50%, 33%
HSV	160°, 67%, 50%
XYZ	10.7963, 16.5718, 14.4340
YIQ	98.3930, -41.6720, -26.7280

# Conversions

## Conversions Part 2

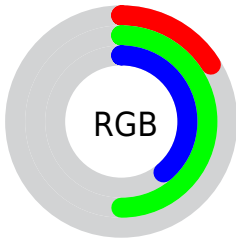
<b>Format</b>	<b>Color</b>
<b>RYB</b>	42, 93, 127
Decimal	2785123
CIELab	47.72, -32.49, 7.88
CIElCh	48, 33.430, 166.371
Yxy	16.5718, 0.2583, 0.3964
Android (android.graphics.Color)	4280975203 (0xFF2A7F63)
YUV	98.3930, 0.2993, -49.4567
Hunter-Lab	40.7085, -23.8997, 7.4735

# Details

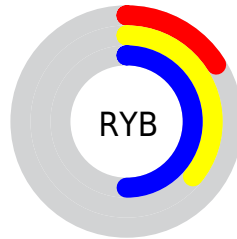
The Hex color **2A7F63** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **7F2A46**, and the grayscale version is **626262**.

A 20% lighter version of the original color is **62B496**, and **004D34** is the 20% darker color. If you saturate the color by 10%, you get **1D7F5F**, and if you desaturate by 10%, it is **377F67**.

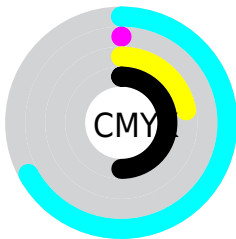
# Distribution



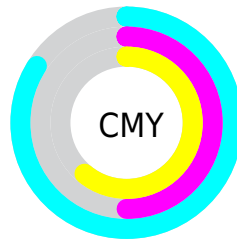
- Red (16%)
- Green (50%)
- Blue (39%)



- Red (16%)
- Yellow (36%)
- Blue (50%)



- Cyan (67%)
- Magenta (0%)
- Yellow (22%)
- Black (50%)



- Cyan (84%)
- Magenta (50%)
- Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2A7F63 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 2A7F63 by changing the saturation by 10% instead.



 2A7F63

 2A7F63

FFFFFF

 01664B

 62B496

 004D34

 7DD0B0

 00351F

 99EDCC

 002208

 B5FFE8

 000000

 D2FFFF

 EFFFFFF

 2A7F63

 2A7F63

 1D7F5F

 377F67

■ 117F5B

■ 437F6B

■ 047F56

■ 507F70

■ 007F55

■ 5D7F74

■ 6A7F78

■ 767F7C

■ 837F80

■ 907F84

■ 9C7F89

# Harmonies

## Analogous

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



547B49



2A7F63



008080

# Triad

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



2A7F63



606FA7



A0614A

# Complementary

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



2A7F63



7F2A46

# 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.



A75B63



2A7F63



876498

# Square

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



2A7F63



2478A8



9F5C7F



8E6B3A

# Rectangle

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



2A7F63



007F92



9F5C7F



A45E51



# Sweetspot

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



2A7F63



85A69B



467F2A



40544D



D4D4D4



545454



# Same Dimension

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



2A7F63



21A67A



2A717F



39403E



008055



000000



# Inverse Universe

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



7F2A46



A6214D



7F382A



40393B



80002A



000000



# Previews

## White Background



This preview shows how the Hex color 2A7F63 looks on a white background.

## Color Contrast Check

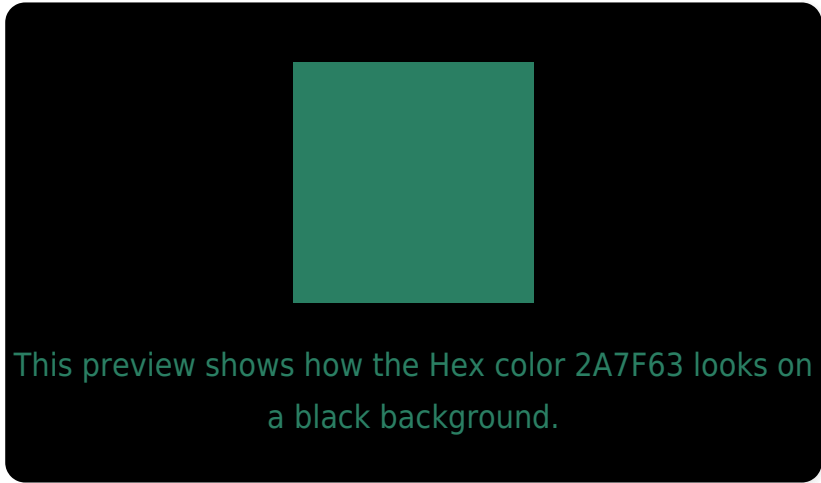
Large Text (above 18pt) WCAG AA ✓ Pass

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

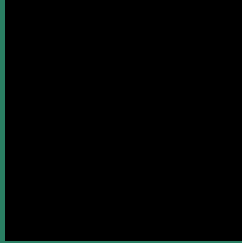
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2A7F63 Background



This preview shows how black text looks on a background with the Hex color 2A7F63.

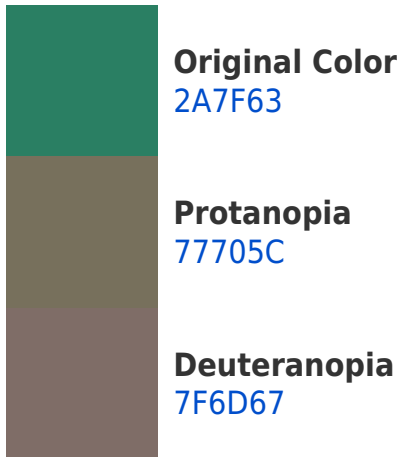


This preview shows how white text looks on a background with the Hex color 2A7F63.

# 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**  
387B84

# Trichromacy



**Original Color**  
2A7F63

**Protanomaly**  
5B755F

**Deuteranomaly**  
607466

**Tritanomaly**  
337C78

# Monochromacy



**Original Color**  
2A7F63

**Achromatopsia**  
626262

**Achromatomaly**  
4E6D62

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2A7F63 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 #2A7F63 looks like.

```
.text, #text, p{  
    color:#2A7F63  
}
```

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 #2A7F63 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A7F63
}
```

## Border

The CSS property to change the border of an element to Hex 2A7F63 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
#2A7F63 }
```

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

```
.border{ border-color:#2A7F63 }
```

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

Here you see how a box with a 4 pixel #2A7F63 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A7F63; -webkit-box-shadow:4px 4px  
4px 4px #2A7F63; box-shadow:4px 4px 4px  
4px #2A7F63 }
```

# Background

The CSS property to change the background color of an element to Hex 2A7F63 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A7F63 }
```

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

```
.background{ background-color:#2A7F63 }
```

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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