

# Converting Colors

Hex(29754F)

Have a look what the booklet for  
Hex(29754F) contains.

<b>Hex(29754F)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

Hex(29754F)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	29754F
RGB	41, 117, 79
RGB Percent	16%, 46%, 31%
CMY	0.8392, 0.5412, 0.6902
CMYK	0.65, 0.00, 0.32, 0.54
HSL	150°, 48%, 31%
HSV	150°, 65%, 46%
XYZ	8.6870, 13.7585, 9.5949
YIQ	89.9440, -33.0980, -27.9300

# Conversions

## Conversions Part 2

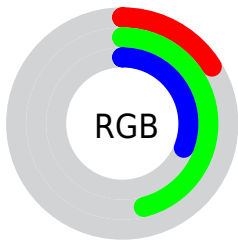
<b>Format</b>	<b>Color</b>
<b>RYB</b>	41, 92, 117
Decimal	2717007
CIELab	43.88, -32.90, 14.25
CIELCh	44, 35.853, 156.582
Yxy	13.7585, 0.2711, 0.4294
Android (android.graphics.Color)	4280907087 (0xFF29754F)
YUV	89.9440, -5.3954, -42.9239
Hunter-Lab	37.0925, -23.1073, 10.6278

# Details

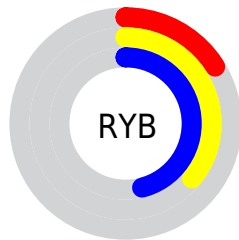
The Hex color **29754F** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **75294F**, and the grayscale version is **5A5A5A**.

A 20% lighter version of the original color is **5FAA80**, and **004422** is the 20% darker color. If you saturate the color by 10%, you get **1D7549**, and if you desaturate by 10%, it is **357555**.

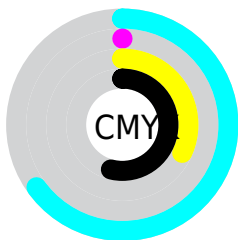
# Distribution



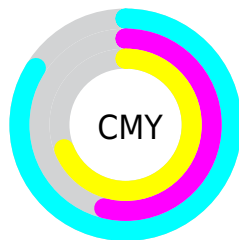
- Red (16%)
- Green (46%)
- Blue (31%)



- Red (16%)
- Yellow (36%)
- Blue (46%)



- Cyan (65%)
- Magenta (0%)
- Yellow (32%)
- Black (54%)



- Cyan (84%)
- Magenta (54%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 29754F 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 29754F by changing the saturation by 10% instead.



 29754F

 29754F

FFFFFF

 055C38

 5FAA80

 004422

 7AC59A

 002D0D

 95E1B5

 001600

 B1FED1

 000000

 CDF FED

 EAFFFF

 29754F

 29754F

 1D7549

 357555

■ 127543

■ 40755B

■ 06753D

■ 4C7561

■ 00753B

■ 587566

■ 64756C

■ 6F7572

■ 7B7578

■ 87757E

■ 927584

# Harmonies

## Analogous

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



537036



29754F



00776E

# Triad

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



29754F



4069A3



9C5346

# Complementary

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



29754F



75294F

# 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.



9F4E62



29754F



735D98

# Square

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



29754F



00719E



925380



8C5E31

# Rectangle

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



29754F



007681



925380



9F514F



# Sweetspot

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



29754F



7C998A



4F7529



3B4D44



CCCCCC



4D4D4D



# Same Dimension

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



29754F



22995D



297575



353B38



007A3D



00FA7D



# Inverse Universe

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



75294F



99225D



752929



3B3538



7A003D

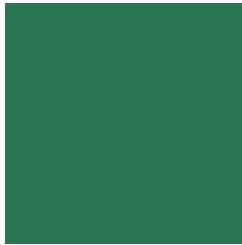


FA007D



# Previews

## White Background



This preview shows how the Hex color 29754F looks on a white background.

## Color Contrast Check

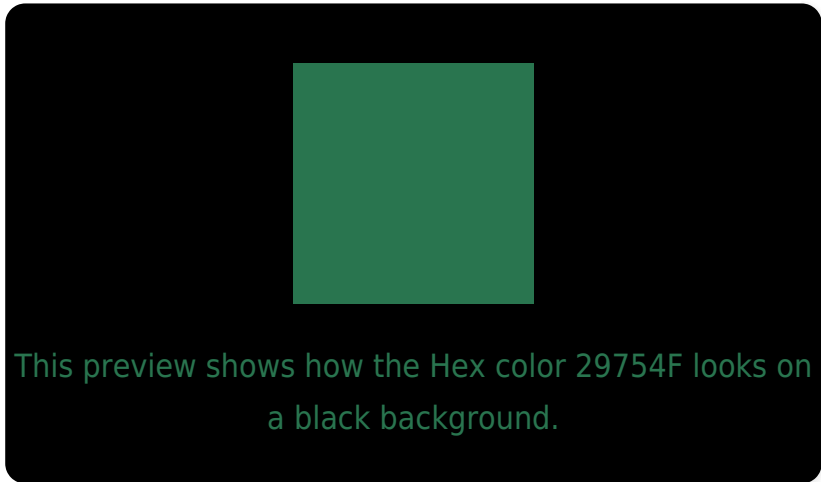
Large Text (above 18pt) WCAG AA ✓ Pass

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 29754F Background



This preview shows how black text looks on a background with the Hex color 29754F.



This preview shows how white text looks on a background with the Hex color 29754F.

# 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**  
29754F

**Protanopia**  
6F6749

**Deuteranopia**  
786353



**Tritanopia**  
387079

# Trichromacy



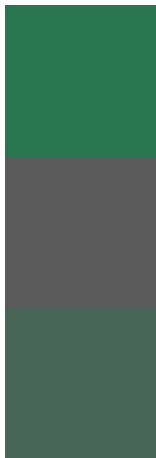
**Original Color**  
29754F

**Protanomaly**  
566C4B

**Deuteranomaly**  
5B6A52

**Tritanomaly**  
33726A

# Monochromacy



**Original Color**  
29754F

**Achromatopsia**  
5A5A5A

**Achromatomaly**  
486456

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 29754F 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 #29754F looks like.

```
.text, #text, p{  
    color:#29754F  
}
```

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 #29754F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #29754F
}
```

## Border

The CSS property to change the border of an element to Hex 29754F 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".

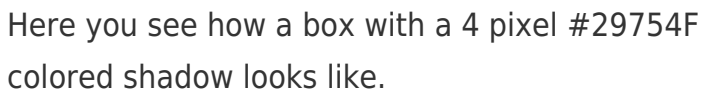
```
.border, #border, table{ border:4px solid
#29754F }
```

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

```
.border{ border-color:#29754F }
```

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

Here you see how a box with a 4 pixel #29754F colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #29754F; -webkit-box-shadow:4px 4px  
4px 4px #29754F; box-shadow:4px 4px 4px  
4px #29754F }
```

# Background

The CSS property to change the background color of an element to Hex 29754F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#29754F }
```

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

```
.background{ background-color:#29754F }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor