

# Converting Colors

Hex(2F776A)

Have a look what the booklet for  
Hex(2F776A) contains.

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# Color

Hex(2F776A)

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | 2F776A                      |
| RGB         | 47, 119, 106                |
| RGB Percent | 18%, 47%, 42%               |
| CMY         | 0.8157, 0.5333, 0.5843      |
| CMYK        | 0.61, 0.00, 0.11, 0.53      |
| HSL         | 169°, 43%, 33%              |
| HSV         | 169°, 61%, 47%              |
| XYZ         | 10.3706, 14.8386, 15.9532   |
| YIQ         | 95.9900, -38.7390, -19.3070 |

# Conversions

## Conversions Part 2

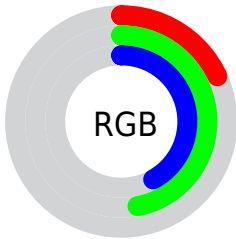
| <b>Format</b>                       | <b>Color</b>                 |
|-------------------------------------|------------------------------|
| <b>R<sub>YB</sub></b>               | 47, 87, 119                  |
| Decimal                             | 3110762                      |
| CIE <sub>Lab</sub>                  | 45.41, -25.78, 0.45          |
| CIE <sub>LCh</sub>                  | 45, 25.789, 179.008          |
| Yxy                                 | 14.8386, 0.2519,<br>0.3605   |
| Android<br>(android.graphics.Color) | 4281300842<br>(0xFF2F776A)   |
| YUV                                 | 95.9900, 4.9349,<br>-42.9642 |
| Hunter-Lab                          | 38.5209, -19.3556,<br>2.4100 |

# Details

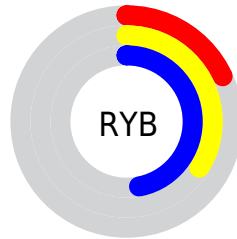
The Hex color **2F776A** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **772F3C**, and the grayscale version is **606060**.

A 20% lighter version of the original color is **65AC9D**, and **00463B** is the 20% darker color. If you saturate the color by 10%, you get **237768**, and if you desaturate by 10%, it is **3B776C**.

# Distribution



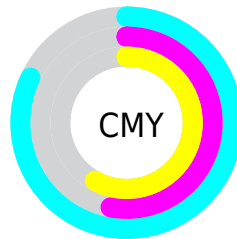
- Red (18%)
- Green (47%)
- Blue (42%)



- Red (18%)
- Yellow (34%)
- Blue (47%)



- Cyan (61%)
- Magenta (0%)
- Yellow (11%)
- Black (53%)



- Cyan (82%)
- Magenta (53%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2F776A 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 2F776A by changing the saturation by 10% instead.





2F776A



2F776A

FFFFFF



0F5E52



65AC9D



00463B



80C7B8



002F25



9BE3D4



001C10



B7FFF0



000000



D3FFFF



F0FFFF



2F776A



2F776A



237768



3B776C

■ 177766

■ 47776E

■ 0B7764

■ 537770

■ 007762

■ 5F7773

■ 6A7775

■ 767777

■ 827779

■ 8E777B

■ 9A777D

# Harmonies

## Analogous

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



4B7555



2F776A



187780

# Triad

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



2F776A



6D6691



8C6247

# Complementary

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



2F776A



772F3C

# 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.



955D58



2F776A



865F82

# Square

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



2F776A



4C6E96



945B6D



7B6A40

# Rectangle

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



2F776A



1E758B



945B6D



90604C



# Sweetspot

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



2F776A



809C96



3C772F



3E4F4C



CFCFCF



4F4F4F



# Same Dimension

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



2F776A



2A9C87



2F6077



353B3A



007A64



00FACD



# Inverse Universe

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



772F3C



9C2A3F



77462F



3B3536



7A0016

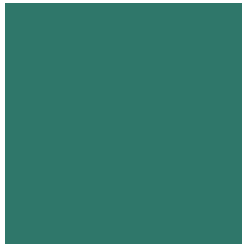


FA002D



# Previews

## White Background



This preview shows how the Hex color 2F776A looks on a white background.

## Color Contrast Check

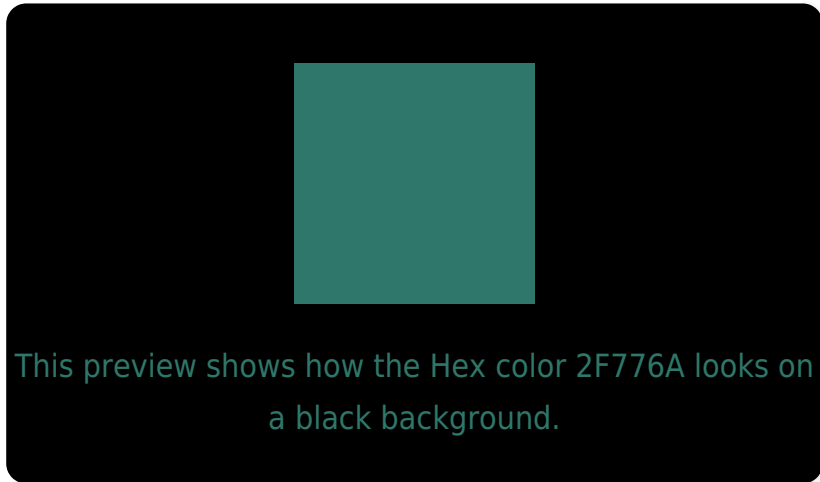
Large Text (above 18pt) WCAG AA ✓ Pass

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

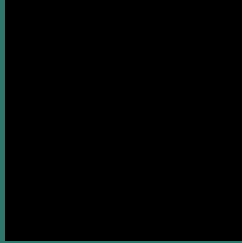
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2F776A Background



This preview shows how black text looks on a background with the Hex color 2F776A.

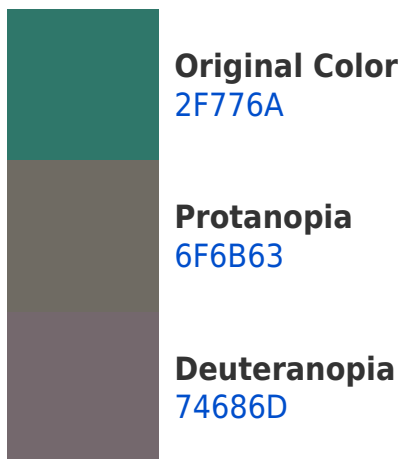


This preview shows how white text looks on a background with the Hex color 2F776A.

# 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](#).

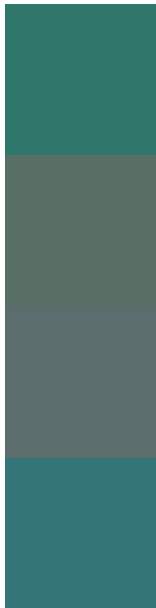
## Dichromacy





**Tritanopia**  
37747E

# Trichromacy



**Original Color**  
2F776A

**Protanomaly**  
586F66

**Deuteranomaly**  
5B6D6C

**Tritanomaly**  
347577

# Monochromacy



**Original Color**  
2F776A

**Achromatopsia**  
606060

**Achromatomaly**  
4E6864

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2F776A 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 #2F776A looks like.

```
.text, #text, p{  
    color:#2F776A  
}
```

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 #2F776A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2F776A
}
```

## Border

The CSS property to change the border of an element to Hex 2F776A 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
#2F776A }
```

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

```
.border{ border-color:#2F776A }
```

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

Here you see how a box with a 4 pixel #2F776A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2F776A; -webkit-box-shadow:4px 4px  
4px 4px #2F776A; box-shadow:4px 4px 4px  
4px #2F776A }
```

# Background

The CSS property to change the background color of an element to Hex 2F776A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2F776A }
```

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

```
.background{ background-color:#2F776A }
```

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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