

# Converting Colors

Hex(2F7360)

Have a look what the booklet for  
Hex(2F7360) contains.

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# Color

**Hex(2F7360)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2F7360
RGB	47, 115, 96
RGB Percent	18%, 45%, 38%
CMY	0.8157, 0.5490, 0.6235
CMYK	0.59, 0.00, 0.17, 0.55
HSL	163°, 42%, 32%
HSV	163°, 59%, 45%
XYZ	9.4143, 13.7103, 13.2165
YIQ	92.5020, -34.4290, -20.3250

# Conversions

## Conversions Part 2

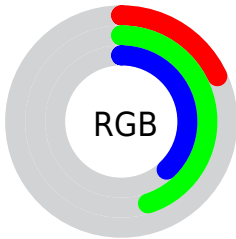
<b>Format</b>	<b>Color</b>
<b>RYB</b>	47, 87, 115
Decimal	3109728
CIELab	43.81, -26.48, 4.10
CIELCh	44, 26.796, 171.193
Yxy	13.7103, 0.2591, 0.3773
Android (android.graphics.Color)	4281299808 (0xFF2F7360)
YUV	92.5020, 1.7245, -39.9053
Hunter-Lab	37.0275, -19.4139, 4.7564

# Details

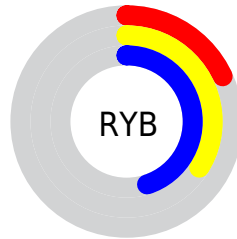
The Hex color **2F7360** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **732F42**, and the grayscale version is **5D5D5D**.

A 20% lighter version of the original color is **64A792**, and **004232** is the 20% darker color. If you saturate the color by 10%, you get **24735D**, and if you desaturate by 10%, it is **3B7363**.

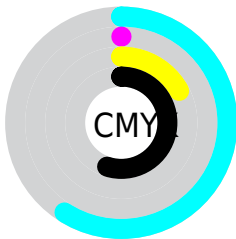
# Distribution



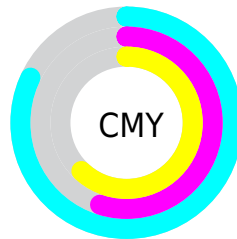
- Red (18%)
- Green (45%)
- Blue (38%)



- Red (18%)
- Yellow (34%)
- Blue (45%)



- Cyan (59%)
- Magenta (0%)
- Yellow (17%)
- Black (55%)



- Cyan (82%)
- Magenta (55%)
- Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2F7360 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 2F7360 by changing the saturation by 10% instead.



 2F7360

 2F7360

FFFFFF

 115A48

 64A792

 004232

 7EC3AD

 002B1D

 99DFC8

 001603

 B5FCE4

 000000

 D2FFFF

 EEEFFF

 2F7360

 2F7360

 24735D

 3B7363

■ 18735A

■ 467366

■ 0D7356

■ 52736A

■ 017353

■ 5D736D

■ 007353

■ 697370

■ 747373

■ 807376

■ 8B737A

■ 97737D

# Harmonies

## Analogous

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



4D704B



2F7360



097377

# Triad

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



2F7360



616491



8C5C46

# Complementary

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



2F7360



732F42

# 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.



935759



2F7360



7D5C84

# Square

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



2F7360



3B6C93



8E576F



7C643B

# Rectangle

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



2F7360



017284



8E576F



8F5A4B



# Sweetspot

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



2F7360



7B968F



42732F



3C4D48



CCCCCC



4D4D4D



# Same Dimension

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



2F7360



2C9679



2F6473



353B39



007A58



00FAB4



# Inverse Universe

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



732F42



962C49



733E2F



3B3536



7A0022



FA0046



# Previews

## White Background



This preview shows how the Hex color 2F7360 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

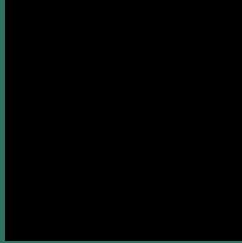
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2F7360 Background



This preview shows how black text looks on a background with the Hex color 2F7360.



This preview shows how white text looks on a background with the Hex color 2F7360.

# 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**  
2F7360

**Protanopia**  
6C675A

**Deuteranopia**  
726463



**Tritanopia**  
387079

# Trichromacy



**Original Color**  
2F7360

**Protanomaly**  
566B5C

**Deuteranomaly**  
5A6962

**Tritanomaly**  
357170

# Monochromacy



**Original Color**  
2F7360

**Achromatopsia**  
5D5D5D

**Achromatomaly**  
4C655E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2F7360 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 #2F7360 looks like.

```
.text, #text, p{  
    color:#2F7360  
}
```

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 #2F7360 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2F7360
}
```

## Border

The CSS property to change the border of an element to Hex 2F7360 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
#2F7360 }
```

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

```
.border{ border-color:#2F7360 }
```

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

Here you see how a box with a 4 pixel #2F7360 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2F7360; -webkit-box-shadow:4px 4px  
4px 4px #2F7360; box-shadow:4px 4px 4px  
4px #2F7360 }
```

# Background

The CSS property to change the background color of an element to Hex 2F7360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2F7360 }
```

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

```
.background{ background-color:#2F7360 }
```

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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