

# Converting Colors

Hex(2F8172)

Have a look what the booklet for  
Hex(2F8172) contains.

<b>Hex(2F8172)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(2F8172)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2F8172
RGB	47, 129, 114
RGB Percent	18%, 51%, 45%
CMY	0.8157, 0.4941, 0.5529
CMYK	0.64, 0.00, 0.12, 0.49
HSL	169°, 47%, 35%
HSV	169°, 64%, 51%
XYZ	12.0598, 17.5198, 18.6656
YIQ	102.7720, -44.0570, -22.0490

# Conversions

## Conversions Part 2

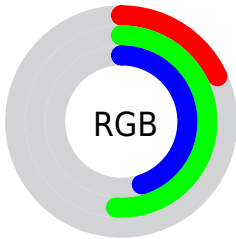
<b>Format</b>	<b>Color</b>
<b>RYB</b>	47, 92, 129
Decimal	3113330
CIELab	48.91, -28.53, 0.81
CIElCh	49, 28.540, 178.377
Yxy	17.5198, 0.2500, 0.3631
Android (android.graphics.Color)	4281303410 (0xFF2F8172)
YUV	102.7720, 5.5354, -48.9120
Hunter-Lab	41.8566, -21.8193, 2.8597

# Details

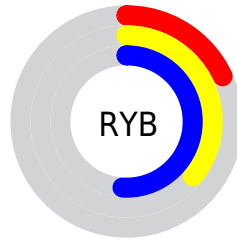
The Hex color **2F8172** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **812F3E**, and the grayscale version is **676767**.

A 20% lighter version of the original color is **67B6A6**, and **004F42** is the 20% darker color. If you saturate the color by 10%, you get **228170**, and if you desaturate by 10%, it is **3C8174**.

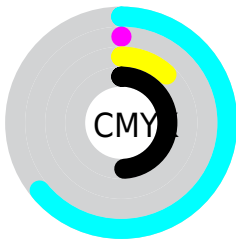
# Distribution



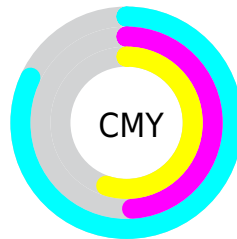
- Red (18%)
- Green (51%)
- Blue (45%)



- Red (18%)
- Yellow (36%)
- Blue (51%)



- Cyan (64%)
- Magenta (0%)
- Yellow (12%)
- Black (49%)



- Cyan (82%)
- Magenta (49%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2F8172 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 2F8172 by changing the saturation by 10% instead.





2F8172



2F8172

FFFFFF



0A685A



67B6A6



004F42



82D2C1



00382C



9EEFDD



002318



BAFFF9



000000



D7FFFF



F4FFFF



2F8172



2F8172



228170



3C8174

■ 15816D

■ 498177

■ 08816B

■ 568179

■ 008169

■ 63817B

■ 70817E

■ 7C8180

■ 898183

■ 968185

■ A38187

# Harmonies

## Analogous

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



507F5A



2F8172



0C818A

# Triad

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



2F8172



756E9F



986A4C

# Complementary

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



2F8172



812F3E

# 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.



A3635E



2F8172



91668E

# Square

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



2F8172



4F77A4



A16176



857244

# Rectangle

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



2F8172



157F98



A16176



9D6751



# Sweetspot

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



2F8172



88A8A2



3E812F



415451



D4D4D4



545454



# Same Dimension

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



2F8172



28A891



2F6781



39403F



008068



000000



# Inverse Universe

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



812F3E



A82840



81492F



40393B



800017



000000



# Previews

## White Background



This preview shows how the Hex color 2F8172 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 ✓ Pass

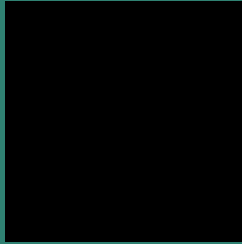
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 2F8172 Background



This preview shows how black text looks on a background with the Hex color 2F8172.

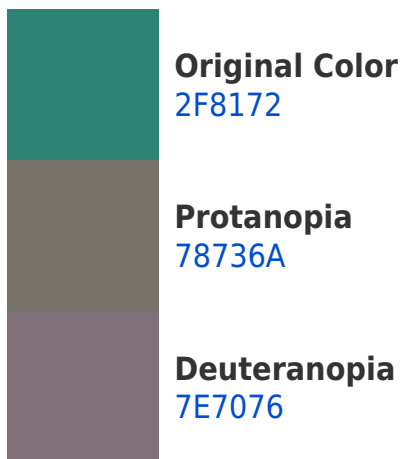


This preview shows how white text looks on a background with the Hex color 2F8172.

# 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**  
387E88

# Trichromacy



**Original Color**  
2F8172

**Protanomaly**  
5D786D

**Deuteranomaly**  
617675

**Tritanomaly**  
357F80

# Monochromacy



**Original Color**  
2F8172

**Achromatopsia**  
676767

**Achromatomaly**  
53706B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2F8172 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 #2F8172 looks like.

```
.text, #text, p{  
    color:#2F8172  
}
```

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 #2F8172 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2F8172
}
```

## Border

The CSS property to change the border of an element to Hex 2F8172 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
#2F8172 }
```

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

```
.border{ border-color:#2F8172 }
```

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

Here you see how a box with a 4 pixel #2F8172 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2F8172; -webkit-box-shadow:4px 4px  
4px 4px #2F8172; box-shadow:4px 4px 4px  
4px #2F8172 }
```

# Background

The CSS property to change the background color of an element to Hex 2F8172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2F8172 }
```

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

```
.background{ background-color:#2F8172 }
```

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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