

# Converting Colors

Hex(2F8D80)

Have a look what the booklet for  
Hex(2F8D80) contains.

<b>Hex(2F8D80)</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(2F8D80)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2F8D80
RGB	47, 141, 128
RGB Percent	18%, 55%, 50%
CMY	0.8157, 0.4471, 0.4980
CMYK	0.67, 0.00, 0.09, 0.45
HSL	172°, 50%, 37%
HSV	172°, 67%, 55%
XYZ	14.5934, 21.2126, 23.7474
YIQ	111.4120, -51.8510, -23.9710

# Conversions

## Conversions Part 2

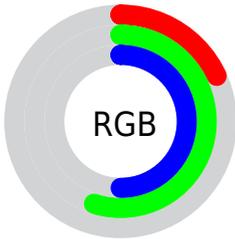
<b>Format</b>	<b>Color</b>
<b>RYB</b>	47, 97, 141
Decimal	3116416
CIELab	53.18, -30.46, -1.11
CIElCh	53, 30.478, 182.086
Yxy	21.2126, 0.2450, 0.3562
Android (android.graphics.Color)	4281306496 (0xFF2F8D80)
YUV	111.4120, 8.1779, -56.4893
Hunter-Lab	46.0571, -24.0413, 1.6697

# Details

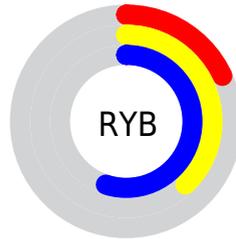
The Hex color **2F8D80** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **8D2F3C**, and the grayscale version is **6F6F6F**.

A 20% lighter version of the original color is **69C3B5**, and **005A4F** is the 20% darker color. If you saturate the color by 10%, you get **218D7E**, and if you desaturate by 10%, it is **3D8D82**.

# Distribution



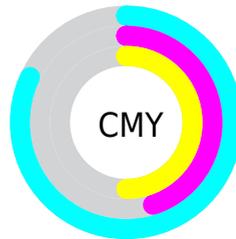
- Red (18%)
- Green (55%)
- Blue (50%)



- Red (18%)
- Yellow (38%)
- Blue (55%)



- Cyan (67%)
- Magenta (0%)
- Yellow (9%)
- Black (45%)



- Cyan (82%)
- Magenta (45%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2F8D80 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 2F8D80 by changing the saturation by 10% instead.

2F8D80

2F8D80

FFFFFF

027367

69C3B5

005A4F

85DFD0

004238

A1FCEC

002B23

BEFFFF

00140D

DBFFFF

000000

F9FFFF

2F8D80

2F8D80

218D7E

3D8D82

■ 138D7C

■ 4B8D84

■ 058D7A

■ 598D86

■ 008D79

■ 678D88

■ 768D8A

■ 848D8C

■ 928D8E

■ A08D90

■ AE8D92

# Harmonies

## Analogous

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



538B66



2F8D80



0A8C9A

# Triad

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



2F8D80



8478AB



A47551

# Complementary

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



2F8D80



8D2F3C

# 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.



B16D64



2F8D80



A26F98

# Square

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



2F8D80



5C81B3



B06B7E



8E7E4A

# Rectangle

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



2F8D80



1D8AA8



B06B7E



AA7257

# Sweetspot

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



2F8D80



93B8B3



3D8D2F



465C59



DBDBDB



5C5C5C



# Same Dimension

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



2F8D80



25B8A3



2F6C8D



404746



008774



000807



# Inverse Universe

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



8D2F3C



B82539



8D502F



474041



870013



080001



# Previews

## White Background



This preview shows how the Hex color 2F8D80 looks on a white background.

## Color Contrast Check

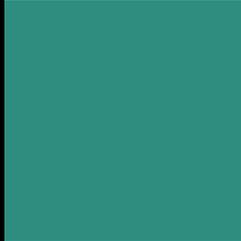
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 2F8D80 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

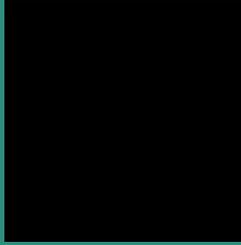
Any Text WCAG AA ✓ Pass

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 2F8D80 Background



This preview shows how black text looks on a background with the Hex color 2F8D80.

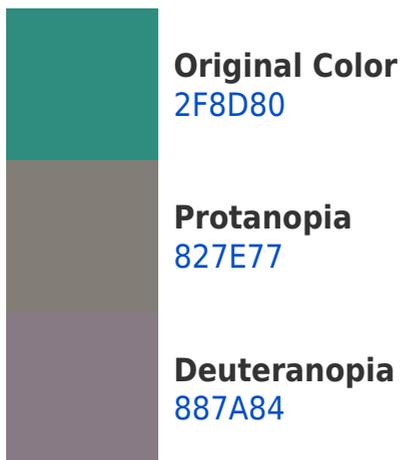


This preview shows how white text looks on a background with the Hex color 2F8D80.

# 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**  
398A95

# Trichromacy



**Original Color**  
2F8D80

**Protanomaly**  
64837A

**Deuteranomaly**  
688183

**Tritanomaly**  
358B8D

# Monochromacy



**Original Color**  
2F8D80

**Achromatopsia**  
6F6F6F

**Achromatomaly**  
587A75

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2F8D80 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 #2F8D80 looks like.

```
.text, #text, p{  
    color:#2F8D80  
}
```

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 #2F8D80 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2F8D80
}
```

## Border

The CSS property to change the border of an element to Hex 2F8D80 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
#2F8D80 }
```

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

```
.border{ border-color:#2F8D80 }
```

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

Here you see how a box with a 4 pixel #2F8D80 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2F8D80; -webkit-box-shadow:4px 4px  
4px 4px #2F8D80; box-shadow:4px 4px 4px  
4px #2F8D80 }
```

# Background

The CSS property to change the background color of an element to Hex 2F8D80 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2F8D80 }
```

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

```
.background{ background-color:#2F8D80 }
```

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