

# Converting Colors

Hex(2B8C6F)

Have a look what the booklet for  
Hex(2B8C6F) contains.

<b>Hex(2B8C6F)</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(2B8C6F)

# Conversions

## Conversions Part 1

Format	Color
Hex	2B8C6F
RGB	43, 140, 111
RGB Percent	17%, 55%, 44%
CMY	0.8314, 0.4510, 0.5647
CMYK	0.69, 0.00, 0.21, 0.45
HSL	162°, 53%, 36%
HSV	162°, 69%, 55%
XYZ	13.2436, 20.4175, 18.2819
YIQ	107.6910, -48.5030, -29.5830

# Conversions

## Conversions Part 2

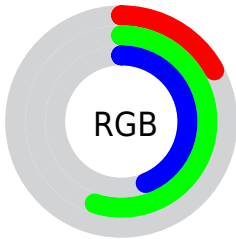
<b>Format</b>	<b>Color</b>
<b>RYB</b>	43, 100, 140
Decimal	2853999
CIELab	52.31, -35.21, 7.43
CIElCh	52, 35.984, 168.079
Yxy	20.4175, 0.2550, 0.3931
Android (android.graphics.Color)	4281044079 (0xFF2B8C6F)
YUV	107.6910, 1.6313, -56.7340
Hunter-Lab	45.1857, -26.7579, 7.6416

# Details

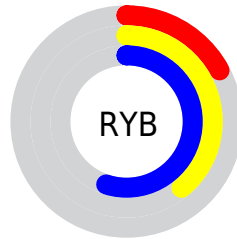
The Hex color **2B8C6F** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **8C2B48**, and the grayscale version is **6C6C6C**.

A 20% lighter version of the original color is **65C2A3**, and **00593F** is the 20% darker color. If you saturate the color by 10%, you get **1D8C6B**, and if you desaturate by 10%, it is **398C73**.

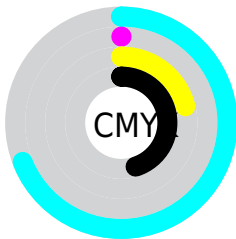
# Distribution



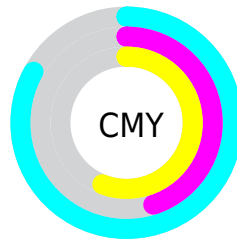
- Red (17%)
- Green (55%)
- Blue (44%)



- Red (17%)
- Yellow (39%)
- Blue (55%)



- Cyan (69%)
- Magenta (0%)
- Yellow (21%)
- Black (45%)



- Cyan (83%)
- Magenta (45%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2B8C6F 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 2B8C6F by changing the saturation by 10% instead.



 2B8C6F

 2B8C6F

FFFFFF

 007257

 65C2A3

 00593F

 81DEBE

 004129

 9DFBD9

 002A15

 BAF6F6

 000F00

 D7FFFF

 000000

 F4FFFF

 2B8C6F

 2B8C6F

 1D8C6B

 398C73

■ 0F8C67

■ 478C77

■ 018C62

■ 558C7C

■ 008C62

■ 638C80

■ 718C84

■ 7F8C88

■ 8D8C8C

■ 9B8C90

■ A98C95

# Harmonies

## Analogous

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



5A8852



2B8C6F



008D8F

# Triad

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



2B8C6F



6C79B7



AF6C50

# Complementary

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



2B8C6F



8C2B48

# 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.



B8646B



2B8C6F



976EA6

# Square

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



2B8C6F



2C84B9



B0658A



9B7740

# Rectangle

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



2B8C6F



008BA2



B0658A



B46958



# Sweetspot

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



2B8C6F



8FB5AA



488C2B



455C55



DBDBDB



5C5C5C



# Same Dimension

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



2B8C6F



1FB588



2B798C



3E4543



00855D



000504



# Inverse Universe

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



8C2B48



B51F4C



8C3E2B



453E40



850028



050002



# Previews

## White Background



This preview shows how the Hex color 2B8C6F looks on a white background.

## Color Contrast Check

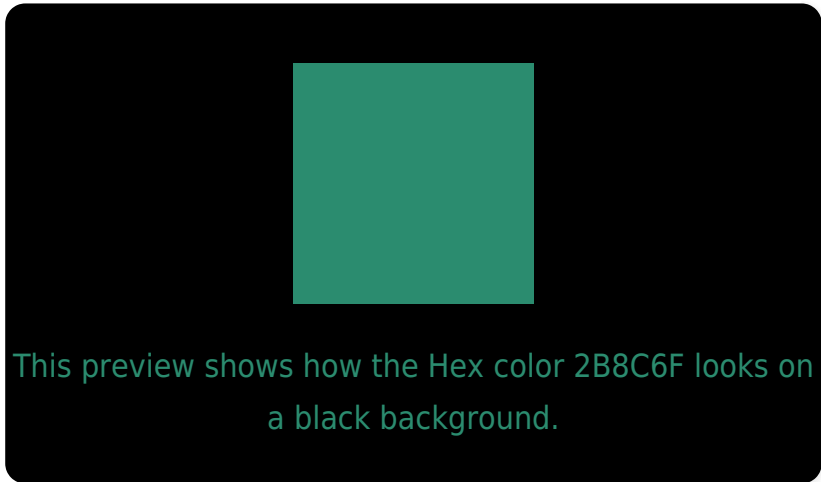
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

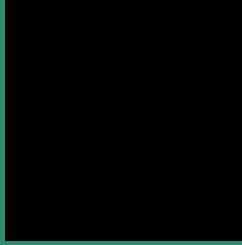
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 2B8C6F Background



This preview shows how black text looks on a background with the Hex color 2B8C6F.



This preview shows how white text looks on a background with the Hex color 2B8C6F.

# 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**  
2B8C6F

**Protanopia**  
837C67

**Deuteranopia**  
8B7873



**Tritanopia**  
3B8792

# Trichromacy



**Original Color**  
2B8C6F



**Protanomaly**  
63826A



**Deuteranomaly**  
687F72



**Tritanomaly**  
358985

# Monochromacy



**Original Color**  
2B8C6F



**Achromatopsia**  
6C6C6C



**Achromatomaly**  
54786D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2B8C6F 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 #2B8C6F looks like.

```
.text, #text, p{  
    color:#2B8C6F  
}
```

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 #2B8C6F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2B8C6F
}
```

## Border

The CSS property to change the border of an element to Hex 2B8C6F 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
#2B8C6F }
```

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

```
.border{ border-color:#2B8C6F }
```

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

Here you see how a box with a 4 pixel #2B8C6F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2B8C6F; -webkit-box-shadow:4px 4px  
4px 4px #2B8C6F; box-shadow:4px 4px 4px  
4px #2B8C6F }
```

# Background

The CSS property to change the background color of an element to Hex 2B8C6F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2B8C6F }
```

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

```
.background{ background-color:#2B8C6F }
```

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