

# Converting Colors

Hex(2A8C76)

Have a look what the booklet for  
Hex(2A8C76) contains.

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# Color

Hex(2A8C76)

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 2A8C76                       |
| RGB         | 42, 140, 118                 |
| RGB Percent | 16%, 55%, 46%                |
| CMY         | 0.8353, 0.4510, 0.5373       |
| CMYK        | 0.70, 0.00, 0.16, 0.45       |
| HSL         | 167°, 54%, 36%               |
| HSV         | 167°, 70%, 55%               |
| XYZ         | 13.6029, 20.5564, 20.3904    |
| YIQ         | 108.1900, -51.3460, -27.6180 |

# Conversions

## Conversions Part 2

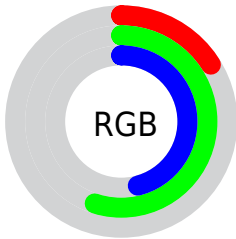
| Format                              | Color                         |
|-------------------------------------|-------------------------------|
| <b>RYB</b>                          | 42, 97, 140                   |
| Decimal                             | 2788470                       |
| CIELab                              | 52.46, -33.55, 3.61           |
| CIELCh                              | 52, 33.744, 173.857           |
| Yxy                                 | 20.5564, 0.2494,<br>0.3768    |
| Android<br>(android.graphics.Color) | 4280978550<br>(0xFF2A8C76)    |
| YUV                                 | 108.1900, 4.8363,<br>-58.0486 |
| Hunter-Lab                          | 45.3392, -25.7889,<br>5.0730  |

# Details

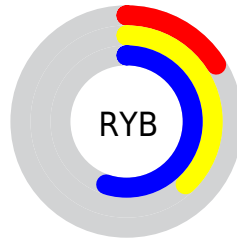
The Hex color **2A8C76** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8C2A40**, and the grayscale version is **6C6C6C**.

A 20% lighter version of the original color is **65C2AA**, and **005946** is the 20% darker color. If you saturate the color by 10%, you get **1C8C73**, and if you desaturate by 10%, it is **388C79**.

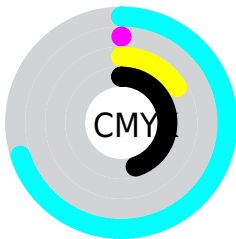
# Distribution



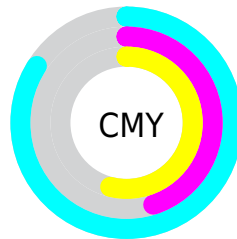
- Red (16%)
- Green (55%)
- Blue (46%)



- Red (16%)
- Yellow (38%)
- Blue (55%)



- Cyan (70%)
- Magenta (0%)
- Yellow (16%)
- Black (45%)



- Cyan (84%)
- Magenta (45%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2A8C76 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 2A8C76 by changing the saturation by 10% instead.



 2A8C76

 2A8C76

FFFFFF

 00725D

 65C2AA

 005946

 81DEC5

 004130

 9DFBE1

 002A1B

 BAFFFE

 001000

 D7FFFF

 000000

 F4FFFF

 2A8C76

 2A8C76

 1C8C73

 388C79

■ 0E8C70

■ 468C7C

■ 008C6D

■ 548C7F

■ 628C83

■ 708C86

■ 7E8C89

■ 8C8C8C

■ 9A8C8F

■ A88C92

# Harmonies

## Analogous

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



56895A



2A8C76



008C94

# Triad

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



2A8C76



7778B2



AA6F4F

# Complementary

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



2A8C76



8C2A40

# 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.



B56767



2A8C76



9C6DA0

# Square

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



2A8C76



4482B6



B06784



957943

# Rectangle

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



2A8C76



008AA4



B06784



AF6C56



# Sweetspot

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



2A8C76



8FB5AD



418C2A



455C57



DBDBDB



5C5C5C



# Same Dimension

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



2A8C76



1DB593



2A728C



3E4543



008567



000504



# Inverse Universe

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



8C2A40



B51D3F



8C442A



453E40



85001E

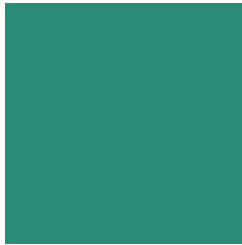


050001



# Previews

## White Background



This preview shows how the Hex color 2A8C76 looks on a white background.

## Color Contrast Check

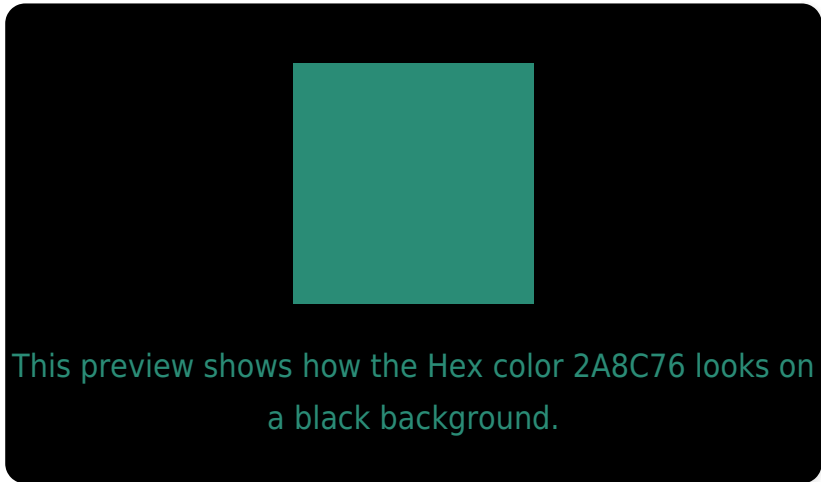
Large Text (above 18pt) WCAG AA ✓ Pass

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

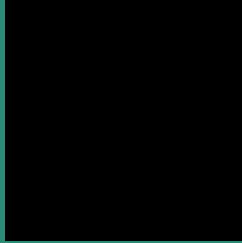
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 2A8C76 Background



This preview shows how black text looks on a background with the Hex color 2A8C76.

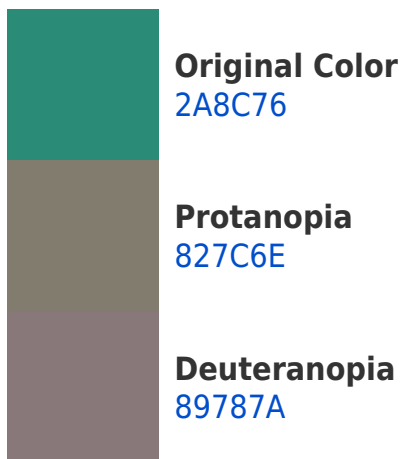


This preview shows how white text looks on a background with the Hex color 2A8C76.

# 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**  
388893

# Trichromacy



**Original Color**  
2A8C76



**Protanomaly**  
628271



**Deuteranomaly**  
667F79



**Tritanomaly**  
338988

# Monochromacy



**Original Color**  
2A8C76



**Achromatopsia**  
6C6C6C



**Achromatomaly**  
547870

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2A8C76 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 #2A8C76 looks like.

```
.text, #text, p{  
    color:#2A8C76  
}
```

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 #2A8C76 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A8C76
}
```

## Border

The CSS property to change the border of an element to Hex 2A8C76 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
#2A8C76 }
```

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

```
.border{ border-color:#2A8C76 }
```

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

Here you see how a box with a 4 pixel #2A8C76 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A8C76; -webkit-box-shadow:4px 4px  
4px 4px #2A8C76; box-shadow:4px 4px 4px  
4px #2A8C76 }
```

# Background

The CSS property to change the background color of an element to Hex 2A8C76 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A8C76 }
```

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

```
.background{ background-color:#2A8C76 }
```

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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