

# Converting Colors

Hex(2D8A85)

Have a look what the booklet for  
Hex(2D8A85) contains.

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# Color

**Hex(2D8A85)**

# Conversions

Conversions Part 1	
Format	Color
Hex	2D8A85
RGB	45, 138, 133
RGB Percent	18%, 54%, 52%
CMY	0.8235, 0.4588, 0.4784
CMYK	0.67, 0.00, 0.04, 0.46
HSL	177°, 51%, 36%
HSV	177°, 67%, 54%
XYZ	14.4043, 20.4283, 25.3742
YIQ	109.6230, -53.8230, -21.2710

# Conversions

## Conversions Part 2

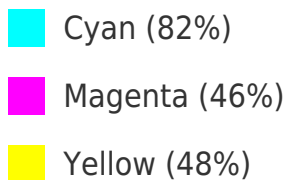
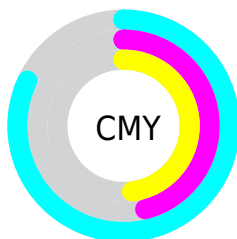
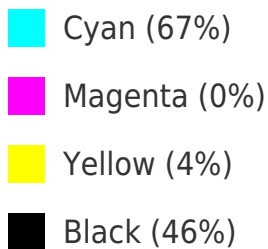
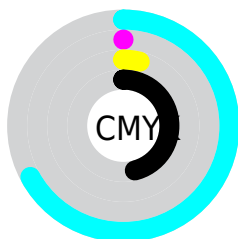
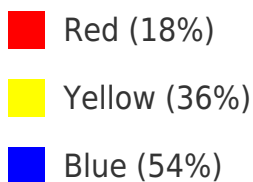
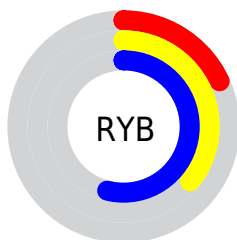
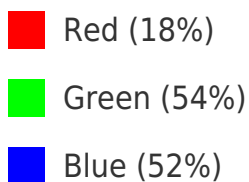
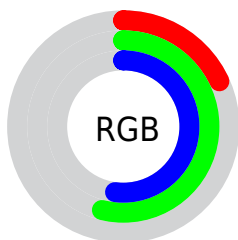
Format	Color
<a href="#">RYB</a>	<a href="#">45, 93, 138</a>
Decimal	<a href="#">2984581</a>
CIELab	<a href="#">52.32, -27.90, -5.29</a>
CIELCh	<a href="#">52, 28.395, 190.730</a>
Yxy	<a href="#">20.4283, 0.2392, 0.3393</a>
Android (android.graphics.Color)	<a href="#">4281174661</a> (0xFF2D8A85)
YUV	<a href="#">109.6230, 11.5249, -56.6744</a>
Hunter-Lab	<a href="#">45.1977, -22.2088, -1.6473</a>

# Details

The Hex color **2D8A85** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **8A2D32**, and the grayscale version is **6E6E6E**.

A 20% lighter version of the original color is **68C0BA**, and **005754** is the 20% darker color. If you saturate the color by 10%, you get **1F8A84**, and if you desaturate by 10%, it is **3B8A86**.

# Distribution



# Brightness & Saturation Gradients

These gradients show how the Hex color 2D8A85 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 2D8A85 by changing the saturation by 10% instead.



 2D8A85

 2D8A85

FFFFFF

 00706C

 68C0BA

 005754

 84DCD6

 00403D

 A0F9F2

 002927

 BDFFFF

 001013

 DAFFFF

 000000


 F7FFFF

 2D8A85

 2D8A85

 1F8A84

 3B8A86

 118A84

 498A86

 048A83

 568A87

 008A83

 648A88

 728A89

 808A89

 8E8A8A

 9B8A8B

 A98A8C

# Harmonies

## Analogous

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



4C896C



2D8A85



21889C

# Triad

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



2D8A85



8B73A2



9B764F

# Complementary

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



2D8A85



8A2D32

# 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.



A96E5E



2D8A85



A26C8D

# Square

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



2D8A85



697CAC



AC6A75



847E4C

# Rectangle

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



2D8A85



3386A7



AC6A75



A07353



# Sweetspot

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



2D8A85



8FB3B1



338A2D



445958



D9D9D9



595959



# Same Dimension

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



2D8A85



22B3AB



2D628A



3E4544



00857D



000505



# Inverse Universe

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



8A2D32



B3222A



8A552D



453E3E



850007



050000



# Previews

## White Background



This preview shows how the Hex color 2D8A85 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 2D8A85 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 2D8A85 Background



This preview shows how black text looks on a background with the Hex color 2D8A85.

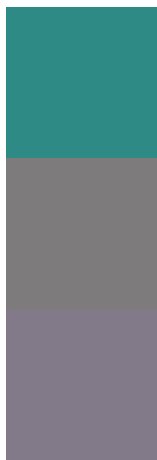


This preview shows how white text looks on a background with the Hex color 2D8A85.

# 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**  
2D8A85

**Protanopia**  
7E7B7C


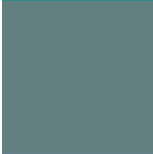
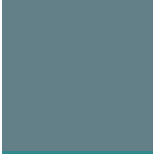

**Deuteranopia**  
827989






# Tritanopia

348893

# Trichromacy

	<b>Original Color</b> 2D8A85
	<b>Protanomaly</b> 61807F
	<b>Deuteranomaly</b> 637F88
	<b>Tritanomaly</b> 31898E

# Monochromacy

	<b>Original Color</b> 2D8A85
	<b>Achromatopsia</b> 6E6E6E
	<b>Achromatomaly</b> 567876

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D8A85 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 #2D8A85 looks like.

```
.text, #text, p{  
    color:#2D8A85  
}
```

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 #2D8A85 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D8A85
}
```

## Border

The CSS property to change the border of an element to Hex 2D8A85 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
#2D8A85 }
```

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

```
.border{ border-color:#2D8A85 }
```

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

Here you see how a box with a 4 pixel #2D8A85 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D8A85; -webkit-box-shadow:4px 4px  
4px 4px #2D8A85; box-shadow:4px 4px 4px  
4px #2D8A85 }
```

# Background

The CSS property to change the background color of an element to Hex 2D8A85 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D8A85 }
```

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

```
.background{ background-color:#2D8A85 }
```

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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