

# Converting Colors

Hex(29B1AC)

Have a look what the booklet for  
Hex(29B1AC) contains.

<b>Hex(29B1AC)</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(29B1AC)**

# Conversions

## Conversions Part 1

Format	Color
Hex	29B1AC
RGB	41, 177, 172
RGB Percent	16%, 69%, 67%
CMY	0.8392, 0.3059, 0.3255
CMYK	0.77, 0.00, 0.03, 0.31
HSL	178°, 62%, 43%
HSV	178°, 77%, 69%
XYZ	24.0830, 34.8943, 44.4957
YIQ	135.7660, -79.4510, -30.3870

# Conversions

## Conversions Part 2

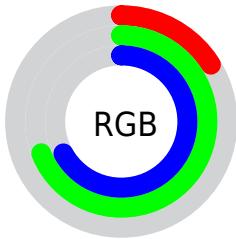
<b>Format</b>	<b>Color</b>
<b>RYB</b>	41, 110, 177
Decimal	2732460
CIELab	65.67, -35.62, -7.61
CIELCh	66, 36.421, 192.065
Yxy	34.8943, 0.2327, 0.3372
Android (android.graphics.Color)	4280922540 (0xFF29B1AC)
YUV	135.7660, 17.8634, -83.1098
Hunter-Lab	59.0714, -30.6017, -3.3104

# Details

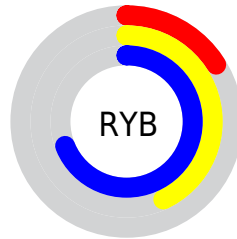
The Hex color **29B1AC** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **B1292E**, and the grayscale version is **888888**.

A 20% lighter version of the original color is **6FE9E3**, and **007C78** is the 20% darker color. If you saturate the color by 10%, you get **17B1AB**, and if you desaturate by 10%, it is **3BB1AD**.

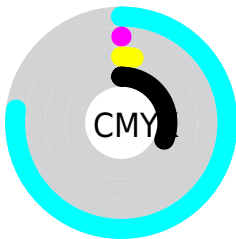
# Distribution



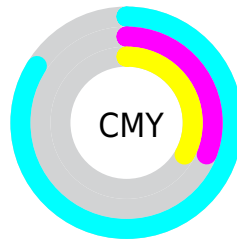
- Red (16%)
- Green (69%)
- Blue (67%)



- Red (16%)
- Yellow (43%)
- Blue (69%)



- Cyan (77%)
- Magenta (0%)
- Yellow (3%)
- Black (31%)



- Cyan (84%)
- Magenta (31%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 29B1AC 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 29B1AC by changing the saturation by 10% instead.



 29B1AC

 29B1AC

FFFFFF

 009691

 6FE9E3

 007C78

 8DFFFF

 00625F

 ABFFFF

 004A48

 C9FFFF

 003231

 E7FFFF

 001D1C

 000000

 29B1AC

 29B1AC

 17B1AB

 3BB1AD

06B1AB

4CB1AD

00B1AA

5EB1AE

70B1AF

82B1AF

93B1B0

A5B1B1

B7B1B1

C8B1B2

# Harmonies

## Analogous

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



5BAF8A



29B1AC



0BAFCA

# Triad

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



29B1AC



B492D0



C69762

# Complementary

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



29B1AC



B1292E

# 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.



DA8C75



29B1AC



D389B4

# Square

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



29B1AC



869EDF



DF8693



A8A25F

# Rectangle

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



29B1AC



37ABD8



DF8693



CE9367



# Sweetspot

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



29B1AC



B1E6E4



30B129



537372



F2F2F2



737373



# Same Dimension

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



29B1AC



12E6DE



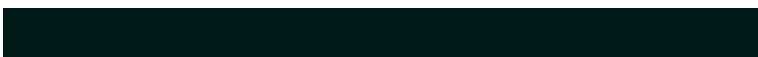
2974B1



505959



009993



001A19



# Inverse Universe

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



B1292E



E6121A



B16629



595051



990006



1A0001



# Previews

## White Background



This preview shows how the Hex color 29B1AC looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 29B1AC looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

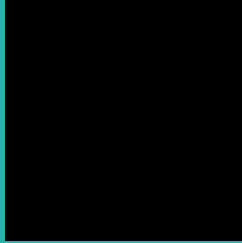
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

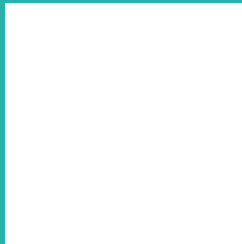
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 29B1AC Background



This preview shows how black text looks on a background with the Hex color 29B1AC.

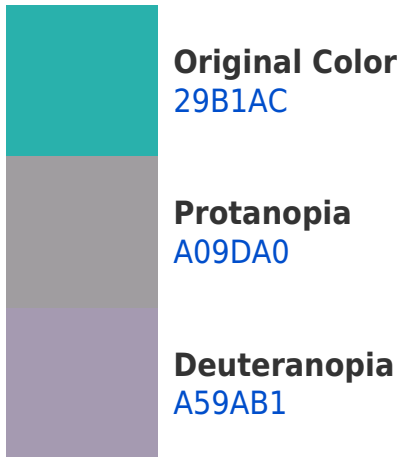


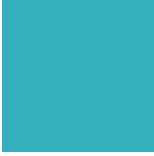
This preview shows how white text looks on a background with the Hex color 29B1AC.

# 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**  
35AEBD

# Trichromacy



**Original Color**  
29B1AC



**Protanomaly**  
75A4A4



**Deuteranomaly**  
78A2AF



**Tritanomaly**  
31AFB7

# Monochromacy



**Original Color**  
29B1AC



**Achromatopsia**  
888888



**Achromatomaly**  
659795

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 29B1AC 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 #29B1AC looks like.

```
.text, #text, p{  
    color:#29B1AC  
}
```

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 #29B1AC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #29B1AC
}
```

## Border

The CSS property to change the border of an element to Hex 29B1AC 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
#29B1AC }
```

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

```
.border{ border-color:#29B1AC }
```

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

Here you see how a box with a 4 pixel #29B1AC colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #29B1AC; -webkit-box-shadow:4px 4px  
4px 4px #29B1AC; box-shadow:4px 4px 4px  
4px #29B1AC }
```

# Background

The CSS property to change the background color of an element to Hex 29B1AC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#29B1AC }
```

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

```
.background{ background-color:#29B1AC }
```

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