

# Converting Colors

Hex(27B1AF)

Have a look what the booklet for  
Hex(27B1AF) contains.

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**Color**

**Hex(27B1AF)**

# Conversions

## Conversions Part 1

Format	Color
Hex	27B1AF
RGB	39, 177, 175
RGB Percent	15%, 69%, 69%
CMY	0.8471, 0.3059, 0.3137
CMYK	0.78, 0.00, 0.01, 0.31
HSL	179°, 64%, 42%
HSV	179°, 78%, 69%
XYZ	24.2967, 34.9708, 46.0269
YIQ	135.5100, -81.6060, -29.8780

# Conversions

## Conversions Part 2

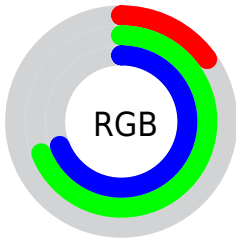
Format	Color
<a href="#">RYB</a>	<a href="#">39, 109, 177</a>
Decimal	<a href="#">2601391</a>
CIELab	<a href="#">65.73, -34.94, -9.19</a>
CIElCh	<a href="#">66, 36.129, 194.741</a>
Yxy	<a href="#">34.9708, 0.2308, 0.3321</a>
Android (android.graphics.Color)	<a href="#">4280791471</a> ( <a href="#">0xFF27B1AF</a> )
YUV	<a href="#">135.5100, 19.4686, -84.6393</a>
Hunter-Lab	<a href="#">59.1361, -30.1495, -4.7514</a>

# Details

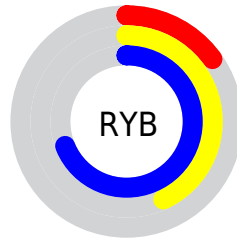
The Hex color **27B1AF** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **B12729**, and the grayscale version is **878787**.

A 20% lighter version of the original color is **6EE9E6**, and **007C7B** is the 20% darker color. If you saturate the color by 10%, you get **15B1AF**, and if you desaturate by 10%, it is **39B1AF**.

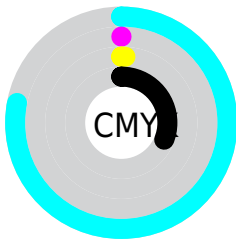
# Distribution



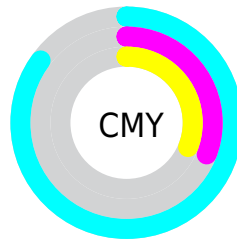
- Red (15%)
- Green (69%)
- Blue (69%)



- Red (15%)
- Yellow (43%)
- Blue (69%)



- Cyan (78%)
- Magenta (0%)
- Yellow (1%)
- Black (31%)



- Cyan (85%)
- Magenta (31%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 27B1AF 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 27B1AF by changing the saturation by 10% instead.



 27B1AF

 27B1AF

FFFFFF

 009694

 6EE9E6

 007C7B

 8CFFFF

 006262

 ABFFFF

 004A4A

 C9FFFF

 003234

 E7FFFF

 001D1E

 000004

 000000

 27B1AF

 27B1AF

■ 15B1AF

■ 39B1AF

■ 04B1AE

■ 4AB1B0

■ 00B1AE

■ 5CB1B0

■ 6EB1B0

■ 80B1B0

■ 91B1B1

■ A3B1B1

■ B5B1B1

■ C6B1B1

# Harmonies

## Analogous

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



58B08E



27B1AF



17AECC

# Triad

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



27B1AF



B891CE



C39861

# Complementary

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



27B1AF



B12729

# 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.



D88D73



27B1AF



D488B2

# Square

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



27B1AF



8B9DDE



DF8791



A5A360

# Rectangle

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



27B1AF



3FAAD9



DF8791



CC9466



# Sweetspot

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



27B1AF



B1E6E5



29B127



537372



F2F2F2



737373



# Same Dimension

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



27B1AF



0EE6E2



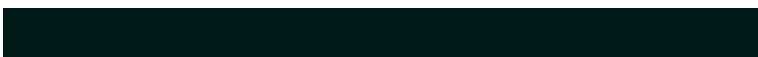
276EB1



505959



009997



001A19



# Inverse Universe

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



B12729



E60E11



B16A27



595050



990002

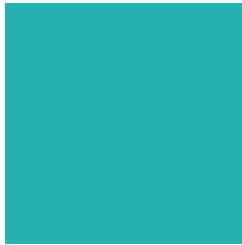


1A0000



# Previews

## White Background



This preview shows how the Hex color 27B1AF looks on a white background.

## Color Contrast Check

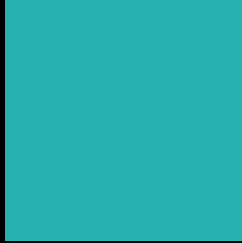
Large Text (above 18pt) WCAG AA × Fail

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 27B1AF looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

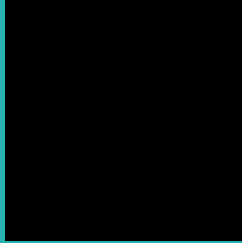
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

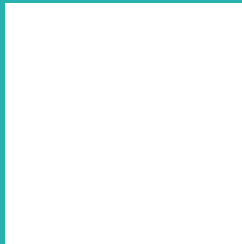
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 27B1AF Background



This preview shows how black text looks on a background with the Hex color 27B1AF.

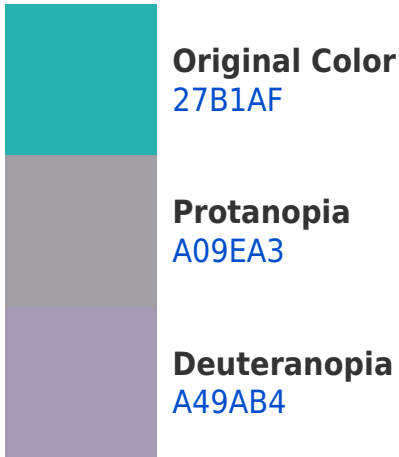


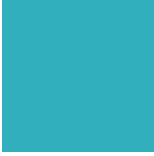
This preview shows how white text looks on a background with the Hex color 27B1AF.

# 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**  
32AFBD

# Trichromacy



**Original Color**  
27B1AF



**Protanomaly**  
74A5A7



**Deuteranomaly**  
77A2B2



**Tritanomaly**  
2EB0B8

# Monochromacy



**Original Color**  
27B1AF



**Achromatopsia**  
888888



**Achromatomaly**  
659796

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 27B1AF 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 #27B1AF looks like.

```
.text, #text, p{  
    color:#27B1AF  
}
```

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 #27B1AF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #27B1AF
}
```

## Border

The CSS property to change the border of an element to Hex 27B1AF 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
#27B1AF }
```

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

```
.border{ border-color:#27B1AF }
```

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

Here you see how a box with a 4 pixel #27B1AF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #27B1AF; -webkit-box-shadow:4px 4px  
4px 4px #27B1AF; box-shadow:4px 4px 4px  
4px #27B1AF }
```

# Background

The CSS property to change the background color of an element to Hex 27B1AF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#27B1AF }
```

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

```
.background{ background-color:#27B1AF }
```

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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