

# Converting Colors

Hex(229C81)

Have a look what the booklet for  
Hex(229C81) contains.

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# Color

Hex(229C81)

# Conversions

## Conversions Part 1

Format	Color
Hex	229C81
RGB	34, 156, 129
RGB Percent	13%, 61%, 51%
CMY	0.8667, 0.3882, 0.4941
CMYK	0.78, 0.00, 0.17, 0.39
HSL	167°, 64%, 37%
HSV	167°, 78%, 61%
XYZ	16.5106, 25.7020, 24.8597
YIQ	116.4440, -64.0450, -34.2610

# Conversions

## Conversions Part 2

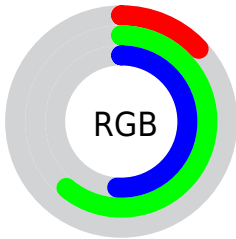
<b>Format</b>	<b>Color</b>
<b>RYB</b>	34, 103, 156
Decimal	2268289
CIELab	57.75, -38.92, 4.92
CIElCh	58, 39.228, 172.792
Yxy	25.7020, 0.2462, 0.3832
Android (android.graphics.Color)	4280458369 (0xFF229C81)
YUV	116.4440, 6.1901, -72.3034
Hunter-Lab	50.6971, -30.5877, 6.4148

# Details

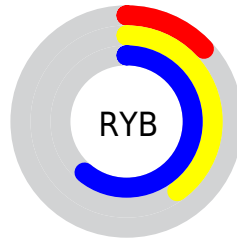
The Hex color **229C81** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **9C223D**, and the grayscale version is **747474**.

A 20% lighter version of the original color is **64D3B6**, and **006850** is the 20% darker color. If you saturate the color by 10%, you get **129C7E**, and if you desaturate by 10%, it is **329C84**.

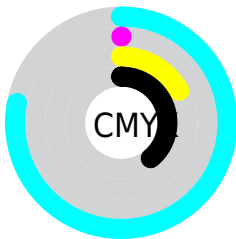
# Distribution



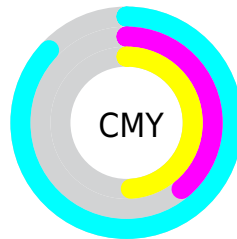
- Red (13%)
- Green (61%)
- Blue (51%)



- Red (13%)
- Yellow (40%)
- Blue (61%)



- Cyan (78%)
- Magenta (0%)
- Yellow (17%)
- Black (39%)



- Cyan (87%)
- Magenta (39%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 229C81 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 229C81 by changing the saturation by 10% instead.



 229C81

 229C81

FFFFFF

 008168

 64D3B6

 006850

 81F0D1

 004F39

 9EFFEE

 003724

 BBFFFF

 00220E

 D9FFFF

 000000

 F7FFFF

 229C81

 229C81

 129C7E

 329C84

■ 039C7A

■ 419C88

■ 009C79

■ 519C8B

■ 609C8F

■ 709C92

■ 809C96

■ 8F9C99

■ 9F9C9D

■ AE9CA0

# Harmonies

## Analogous

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



5D9860



229C81



009CA4

# Triad

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



229C81



8185CA



C07A55

# Complementary

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



229C81



9C223D

# 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.



CC7072



229C81



AD78B5

# Square

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



229C81



3F91CE



C76F94



A78646

# Rectangle

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



229C81



009AB8



C76F94



C6765E



# Sweetspot

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



229C81



9DCCC2



3E9C22



496660



E6E6E6



666666



# Same Dimension

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



229C81



0CCCA2



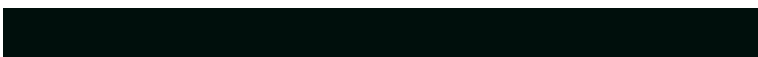
227B9C



474F4D



008F6F



000F0C



# Inverse Universe

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



9C223D



CC0C37



9C4322



4F4749



8F0020

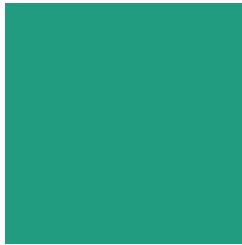


0F0003



# Previews

## White Background



This preview shows how the Hex color 229C81 looks on a white background.

## Color Contrast Check

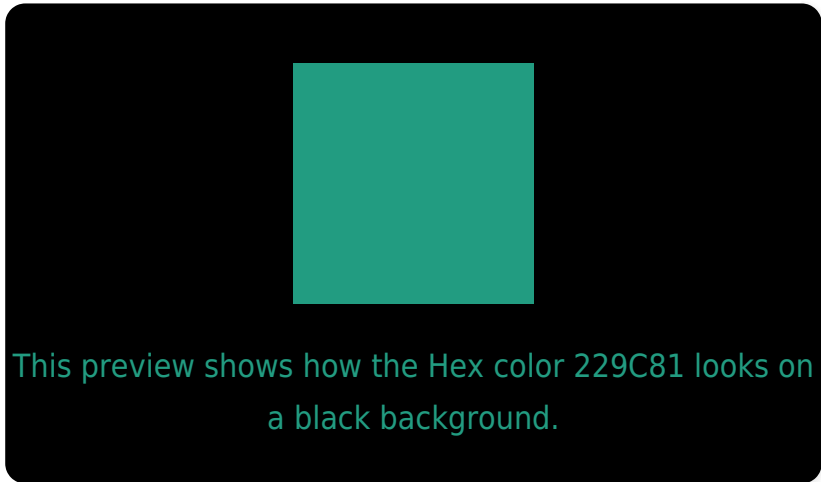
Large Text (above 18pt) WCAG AA ✓ Pass

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

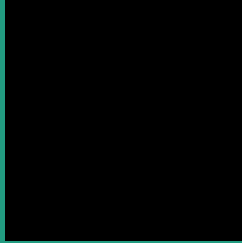
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 229C81 Background



This preview shows how black text looks on a background with the Hex color 229C81.

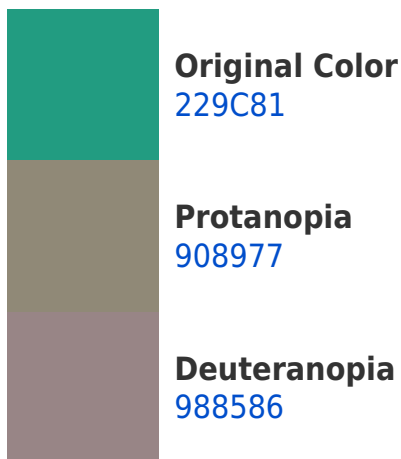


This preview shows how white text looks on a background with the Hex color 229C81.

# 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



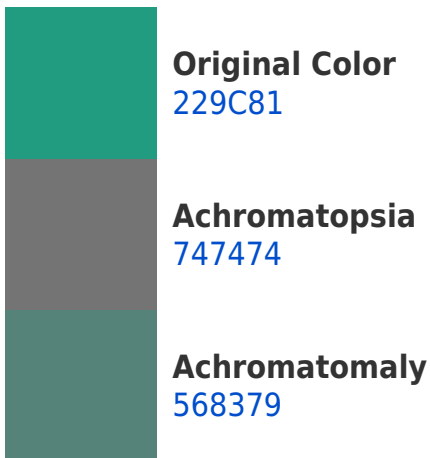


**Tritanopia**  
3797A3

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 229C81 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 #229C81 looks like.

```
.text, #text, p{  
    color:#229C81  
}
```

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 #229C81 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #229C81
}
```

## Border

The CSS property to change the border of an element to Hex 229C81 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
#229C81 }
```

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

```
.border{ border-color:#229C81 }
```

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

Here you see how a box with a 4 pixel #229C81 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #229C81; -webkit-box-shadow:4px 4px  
4px 4px #229C81; box-shadow:4px 4px 4px  
4px #229C81 }
```

# Background

The CSS property to change the background color of an element to Hex 229C81 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#229C81 }
```

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

```
.background{ background-color:#229C81 }
```

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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