

# Converting Colors

Hex(2B81A1)

Have a look what the booklet for  
Hex(2B81A1) contains.

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# Color

**Hex(2B81A1)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2B81A1
RGB	43, 129, 161
RGB Percent	17%, 51%, 63%
CMY	0.8314, 0.4941, 0.3686
CMYK	0.73, 0.20, 0.00, 0.37
HSL	196°, 58%, 40%
HSV	196°, 73%, 63%
XYZ	15.2795, 18.7873, 36.5392
YIQ	106.9340, -61.5280, -8.2800

# Conversions

## Conversions Part 2

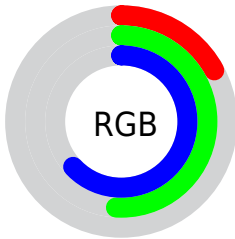
<b>Format</b>	<b>Color</b>
<b>RYB</b>	43, 93, 161
Decimal	2851233
CIELab	50.44, -14.50, -24.44
CIElCh	50, 28.414, 239.318
Yxy	18.7873, 0.2164, 0.2661
Android (android.graphics.Color)	4281041313 (0xFF2B81A1)
YUV	106.9340, 26.6545, -56.0701
Hunter-Lab	43.3443, -12.9286, -19.6403

# Details

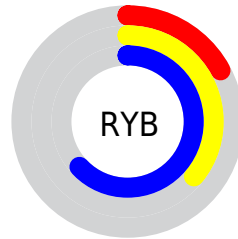
The Hex color **2B81A1** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **A14B2B**, and the grayscale version is **6B6B6B**.

A 20% lighter version of the original color is **69B6D8**, and **00506D** is the 20% darker color. If you saturate the color by 10%, you get **1B7DA1**, and if you desaturate by 10%, it is **3B85A1**.

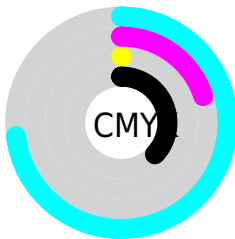
# Distribution



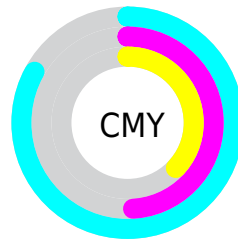
- Red (17%)
- Green (51%)
- Blue (63%)



- Red (17%)
- Yellow (36%)
- Blue (63%)



- Cyan (73%)
- Magenta (20%)
- Yellow (0%)
- Black (37%)



- Cyan (83%)
- Magenta (49%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2B81A1 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 2B81A1 by changing the saturation by 10% instead.



■ 2B81A1

■ 2B81A1

FFFFFF

■ 006887

■ 69B6D8

■ 00506D

■ 86D2F4

■ 003955

■ A2EEFF

■ 00233D

■ BFFFFFF

■ 000628

■ DFFFFFF

■ 000112

■ FFFFFFF

■ 000000

■ 2B81A1

■ 2B81A1

■ 1B7DA1

■ 3B85A1

0B78A1

4B8AA1

0075A1

5B8EA1

6B92A1

7C97A1

8C9BA1

9CA0A1

ACA4A1

BCA8A1

# Harmonies

## Analogous

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



17848F



2B81A1



547BA8

# Triad

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



2B81A1



A5657A



6F7E4D

# Complementary

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



2B81A1



A14B2B

# 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.



897647



2B81A1



A76762

# Square

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



2B81A1



966A91



9C6E4F



53835F

# Rectangle

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



2B81A1



6E75A6



9C6E4F



787B4A



# Sweetspot

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



2B81A1



A3C5D1



2BA14A



4D6169



E8E8E8



696969



# Same Dimension

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



2B81A1



199FD1



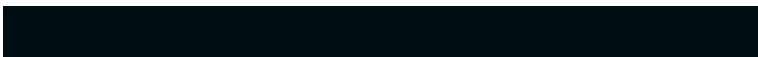
2B47A1



494F52



006A91



000D12



# Inverse Universe

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



A12B81



D1199F



A1852B



52494F



91006A



12000D



# Previews

## White Background



This preview shows how the Hex color 2B81A1 looks on a white background.

## Color Contrast Check

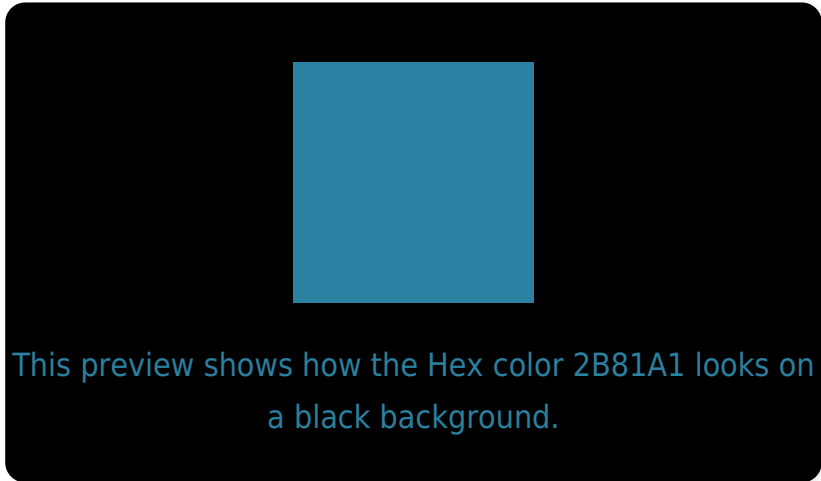
Large Text (above 18pt) WCAG AA ✓ Pass

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

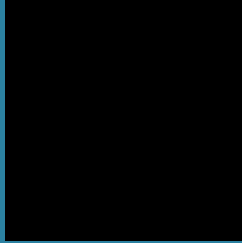
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 2B81A1 Background



This preview shows how black text looks on a background with the Hex color 2B81A1.

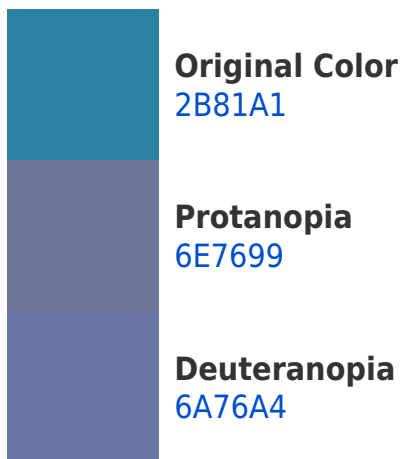


This preview shows how white text looks on a background with the Hex color 2B81A1.

# 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](#).

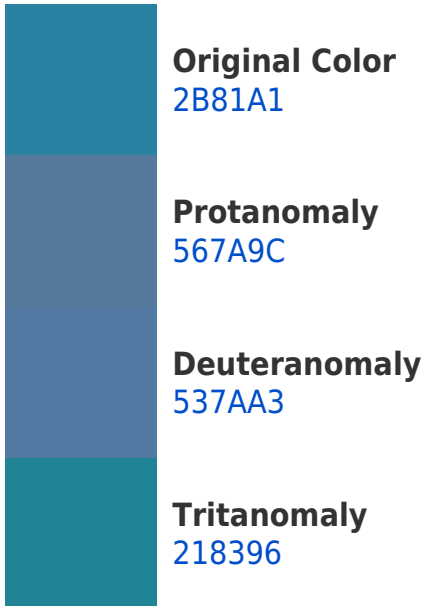
## Dichromacy



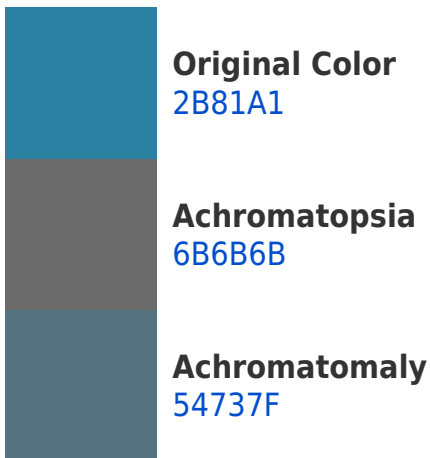


**Tritanopia**  
1C848F

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2B81A1 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 #2B81A1 looks like.

```
.text, #text, p{  
    color:#2B81A1  
}
```

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 #2B81A1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2B81A1
}
```

## Border

The CSS property to change the border of an element to Hex 2B81A1 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
#2B81A1 }
```

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

```
.border{ border-color:#2B81A1 }
```

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

Here you see how a box with a 4 pixel #2B81A1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2B81A1; -webkit-box-shadow:4px 4px  
4px 4px #2B81A1; box-shadow:4px 4px 4px  
4px #2B81A1 }
```

# Background

The CSS property to change the background color of an element to Hex 2B81A1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2B81A1 }
```

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

```
.background{ background-color:#2B81A1 }
```

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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