

# Converting Colors

Hex(259AA6)

Have a look what the booklet for  
Hex(259AA6) contains.

<b>Hex(259AA6)</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(259AA6)

# Conversions

## Conversions Part 1

Format	Color
Hex	259AA6
RGB	37, 154, 166
RGB Percent	15%, 60%, 65%
CMY	0.8549, 0.3961, 0.3490
CMYK	0.78, 0.07, 0.00, 0.35
HSL	186°, 64%, 40%
HSV	186°, 78%, 65%
XYZ	19.2015, 26.2577, 40.1326
YIQ	120.3850, -73.5840, -21.0720

# Conversions

## Conversions Part 2

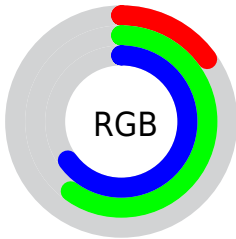
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	37, 98, 166
Decimal	2464422
CIE <sub>Lab</sub>	58.28, -26.79, -15.33
CIE <sub>LCh</sub>	58, 30.867, 209.773
Yxy	26.2577, 0.2243, 0.3068
Android (android.graphics.Color)	4280654502 (0xFF259AA6)
YUV	120.3850, 22.4882, -73.1286
Hunter-Lab	51.2423, -22.7865, -10.5660

# Details

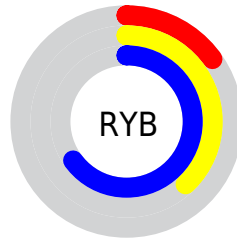
The Hex color **259AA6** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **A63125**, and the grayscale version is **787878**.

A 20% lighter version of the original color is **69D1DD**, and **006672** is the 20% darker color. If you saturate the color by 10%, you get **1498A6**, and if you desaturate by 10%, it is **369CA6**.

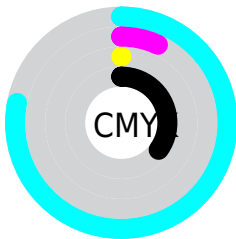
# Distribution



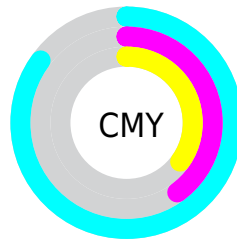
- Red (15%)
- Green (60%)
- Blue (65%)



- Red (15%)
- Yellow (38%)
- Blue (65%)



- Cyan (78%)
- Magenta (7%)
- Yellow (0%)
- Black (35%)



- Cyan (85%)
- Magenta (40%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 259AA6 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 259AA6 by changing the saturation by 10% instead.



 259AA6

 259AA6

FFFFFF

 00808C

 69D1DD

 006672

 86EDFA

 004E5A

 A4FFFF

 003742

 C1FFFF

 00222C

 DFFFFF

 000118

FDFFFF

 000000

 259AA6

 259AA6

 1498A6

 369CA6

0497A6

469DA6

0097A6

579FA6

67A0A6

78A2A6

89A3A6

99A5A6

AAA6A6

BAA8A6

# Harmonies

## Analogous

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



409B8B



259AA6



3996BA

# Triad

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



259AA6



AE7CA8



9E8A56

# Complementary

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



259AA6



A63125

# 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.



B4815E



259AA6



BF778D

# Square

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



259AA6



8F85BB



C07973



82935C

# Rectangle

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



259AA6



5792C1



C07973



A78757



# Sweetspot

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



259AA6



A7D4D9



25A630



4F6B6E



EDEDED



6E6E6E



# Same Dimension

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



259AA6



0FC6D9



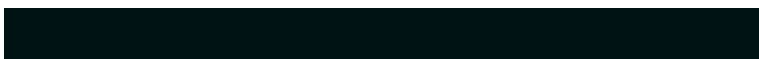
255BA6



4C5354



008694



001314



# Inverse Universe

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



A6259A



D90FC6



A67025



544C53



940086



140013



# Previews

## White Background



This preview shows how the Hex color 259AA6 looks on a white background.

## Color Contrast Check

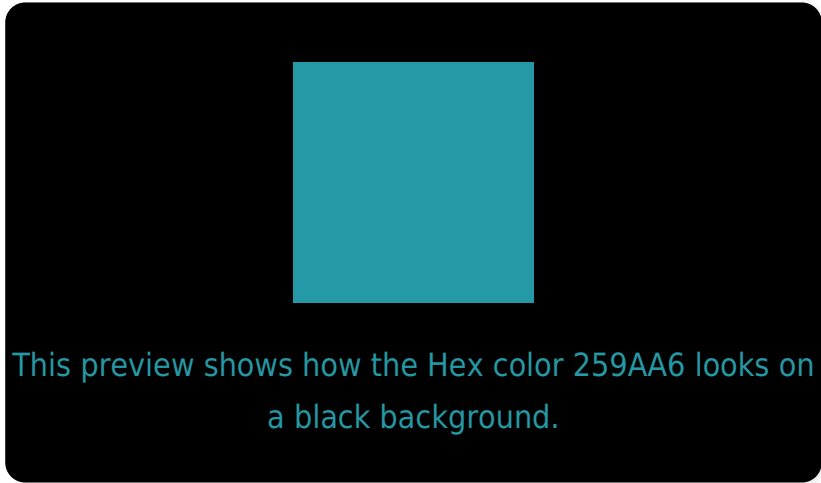
Large Text (above 18pt) WCAG AA ✓ Pass

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

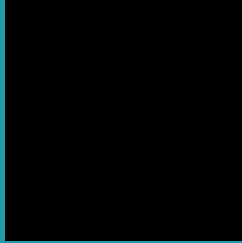
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 259AA6 Background



This preview shows how black text looks on a background with the Hex color 259AA6.

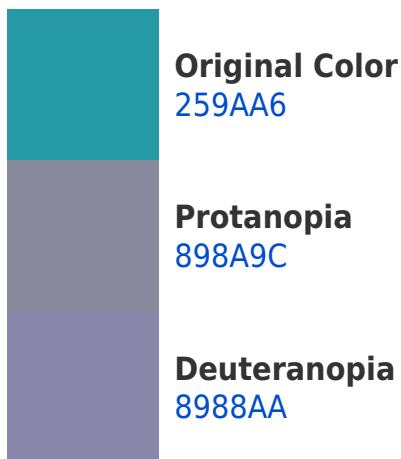


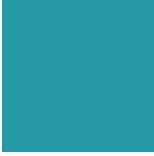
This preview shows how white text looks on a background with the Hex color 259AA6.

# 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](#).

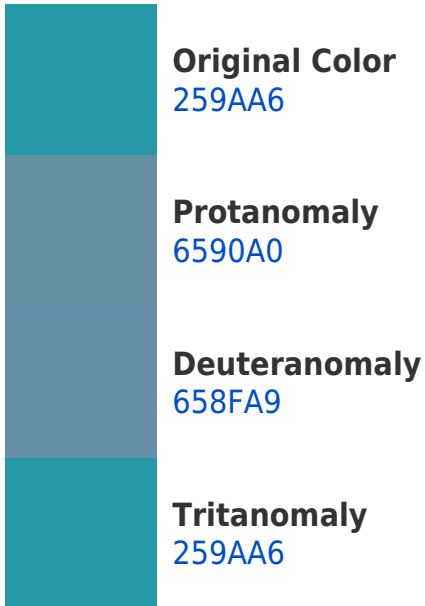
## Dichromacy



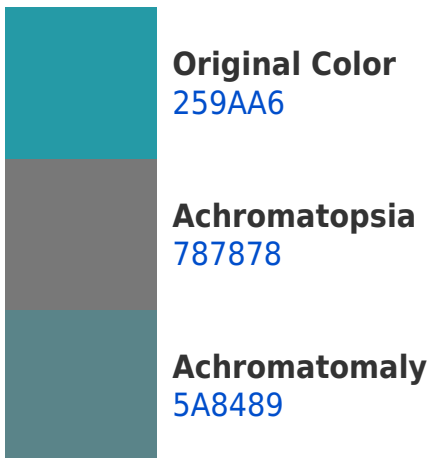


**Tritanopia**  
259AA6

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 259AA6 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 #259AA6 looks like.

```
.text, #text, p{  
    color:#259AA6  
}
```

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 #259AA6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #259AA6
}
```

## Border

The CSS property to change the border of an element to Hex 259AA6 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
#259AA6 }
```

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

```
.border{ border-color:#259AA6 }
```

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

Here you see how a box with a 4 pixel #259AA6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #259AA6; -webkit-box-shadow:4px 4px  
4px 4px #259AA6; box-shadow:4px 4px 4px  
4px #259AA6 }
```

# Background

The CSS property to change the background color of an element to Hex 259AA6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#259AA6 }
```

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

```
.background{ background-color:#259AA6 }
```

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