

# Converting Colors

Hex(287C86)

Have a look what the booklet for  
Hex(287C86) contains.

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# Color

Hex(287C86)

# Conversions

## Conversions Part 1

Format	Color
Hex	287C86
RGB	40, 124, 134
RGB Percent	16%, 49%, 53%
CMY	0.8431, 0.5137, 0.4745
CMYK	0.70, 0.07, 0.00, 0.47
HSL	186°, 54%, 34%
HSV	186°, 70%, 53%
XYZ	12.3858, 16.5876, 25.1032
YIQ	100.0240, -53.2740, -14.6980

# Conversions

## Conversions Part 2

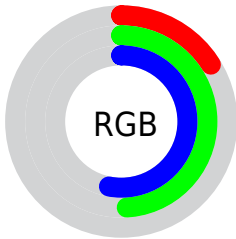
<b>Format</b>	<b>Color</b>
<b>RYB</b>	40, 84, 134
Decimal	2653318
CIELab	47.74, -21.23, -12.75
CIELCh	48, 24.765, 210.978
Yxy	16.5876, 0.2290, 0.3067
Android (android.graphics.Color)	4280843398 (0xFF287C86)
YUV	100.0240, 16.7502, -52.6410
Hunter-Lab	40.7279, -16.9901, -8.0346

# Details

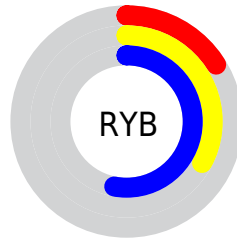
The Hex color **287C86** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **863228**, and the grayscale version is **646464**.

A 20% lighter version of the original color is **63B1BB**, and **004B54** is the 20% darker color. If you saturate the color by 10%, you get **1B7B86**, and if you desaturate by 10%, it is **357D86**.

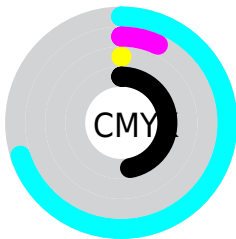
# Distribution



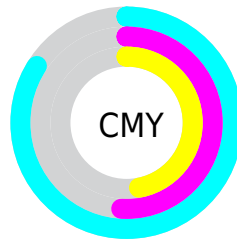
- Red (16%)
- Green (49%)
- Blue (53%)



- Red (16%)
- Yellow (33%)
- Blue (53%)



- Cyan (70%)
- Magenta (7%)
- Yellow (0%)
- Black (47%)



- Cyan (84%)
- Magenta (51%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 287C86 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 287C86 by changing the saturation by 10% instead.



 287C86

 287C86

FFFFFF

 00636D

 63B1BB

 004B54

 7FCCD7

 00343D

 9BE9F3

 002027

 B7FFFF

 000113

 D4FFFF

 000000

 F2FFFF

 287C86

 287C86

 1B7B86

 357D86

0D7986

437F86

007886

508086

5E8286

6B8386

788586

868686

938786

A18986

# Harmonies

## Analogous

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



377D71



287C86



367995

# Triad

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



287C86



8C6586



7F7047

# Complementary

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



287C86



863228

# 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.



90694D



287C86



996171

# Square

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



287C86



756C95



9A635D



69764D

# Rectangle

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



287C86



4B759A



9A635D



856E48



# Sweetspot

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



287C86



89AAAD



288631



415457



D6D6D6



575757



# Same Dimension

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



287C86



1C9EAD



284E86



3C4242



007482



000203



# Inverse Universe

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



86287C



AD1C9E



866028



423C42



820074

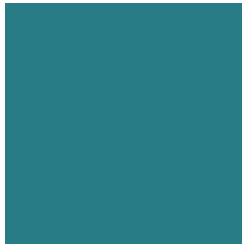


030002



# Previews

## White Background



This preview shows how the Hex color 287C86 looks on a white background.

## Color Contrast Check

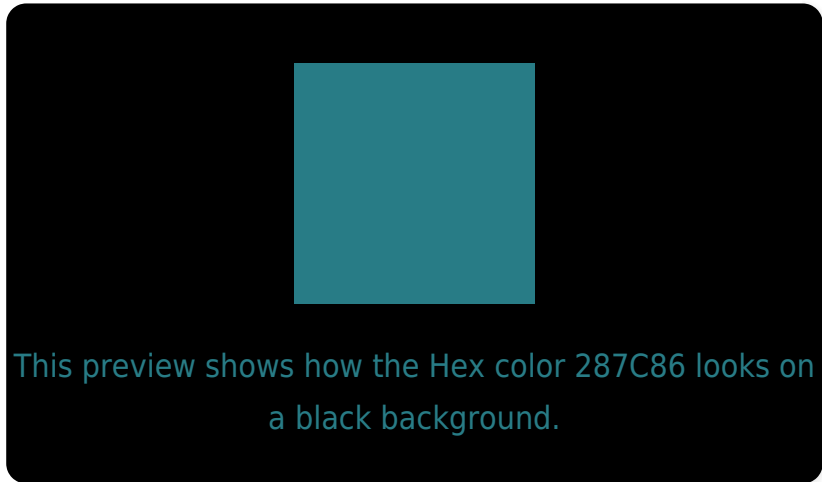
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

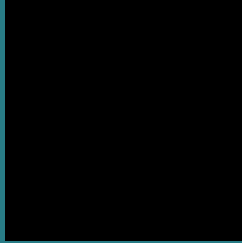
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 287C86 Background



This preview shows how black text looks on a background with the Hex color 287C86.

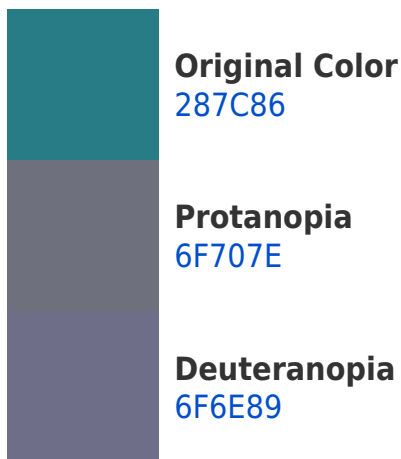


This preview shows how white text looks on a background with the Hex color 287C86.

# 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](#).

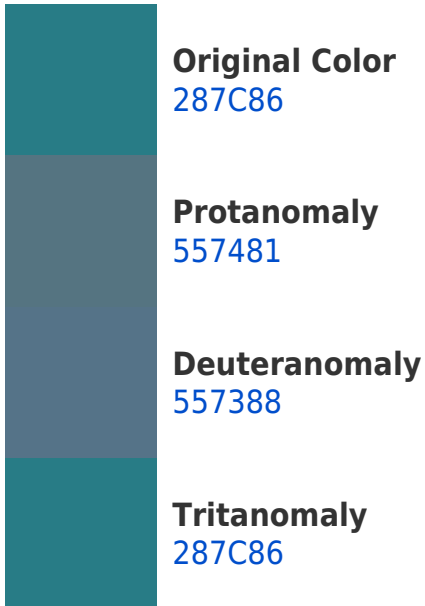
## Dichromacy





**Tritanopia**  
287C86

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 287C86 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 #287C86 looks like.

```
.text, #text, p{  
    color:#287C86  
}
```

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 #287C86 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #287C86
}
```

## Border

The CSS property to change the border of an element to Hex 287C86 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
#287C86 }
```

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

```
.border{ border-color:#287C86 }
```

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

Here you see how a box with a 4 pixel #287C86 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #287C86; -webkit-box-shadow:4px 4px  
4px 4px #287C86; box-shadow:4px 4px 4px  
4px #287C86 }
```

# Background

The CSS property to change the background color of an element to Hex 287C86 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#287C86 }
```

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

```
.background{ background-color:#287C86 }
```

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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