

# Converting Colors

Hex(296F7C)

Have a look what the booklet for  
Hex(296F7C) contains.

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# Color

Hex(296F7C)

# Conversions

## Conversions Part 1

Format	Color
Hex	296F7C
RGB	41, 111, 124
RGB Percent	16%, 44%, 49%
CMY	0.8392, 0.5647, 0.5137
CMYK	0.67, 0.10, 0.00, 0.51
HSL	189°, 50%, 32%
HSV	189°, 67%, 49%
XYZ	10.2370, 13.2955, 21.0955
YIQ	91.5520, -45.8930, -10.7970

# Conversions

## Conversions Part 2

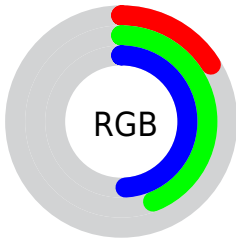
<b>Format</b>	<b>Color</b>
<b>RYB</b>	41, 79, 124
Decimal	2715516
CIELab	43.21, -17.30, -13.65
CIELCh	43, 22.039, 218.272
Yxy	13.2955, 0.2294, 0.2979
Android (android.graphics.Color)	4280905596 (0xFF296F7C)
YUV	91.5520, 15.9969, -44.3341
Hunter-Lab	36.4630, -13.6965, -8.7778

# Details

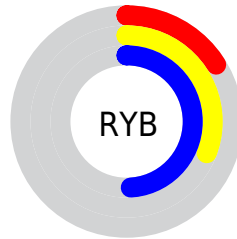
The Hex color **296F7C** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7C3629**, and the grayscale version is **5B5B5B**.

A 20% lighter version of the original color is **61A3B1**, and **003F4B** is the 20% darker color. If you saturate the color by 10%, you get **1D6D7C**, and if you desaturate by 10%, it is **35717C**.

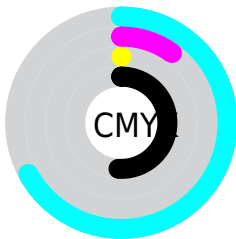
# Distribution



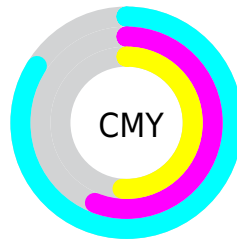
- Red (16%)
- Green (44%)
- Blue (49%)



- Red (16%)
- Yellow (31%)
- Blue (49%)



- Cyan (67%)
- Magenta (10%)
- Yellow (0%)
- Black (51%)



- Cyan (84%)
- Magenta (56%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 296F7C 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 296F7C by changing the saturation by 10% instead.



■ 296F7C

■ 296F7C

FFFFFF

■ 005663

■ 61A3B1

■ 003F4B

■ 7CBECC

■ 002935

■ 98DAE8

■ 00141F

■ B4F6FF

■ 000005

■ D0FFFF

■ 000000

■ EDFFFF

■ 296F7C

■ 296F7C

■ 1D6D7C

■ 35717C

■ 106B7C

■ 42737C

■ 04697C

■ 4E757C

■ 00697C

■ 5B777C

■ 67797C

■ 737B7C

■ 807D7C

■ 8C7F7C

■ 99807C

# Harmonies

## Analogous

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



30706B



296F7C



3A6C87

# Triad

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



296F7C



815A74



6E6742

# Complementary

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



296F7C



7C3629

# 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.



7E6045



296F7C



8A5862

# Square

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



296F7C



6F6083



885B50



5A6C49

# Rectangle

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



296F7C



4C688A



885B50



746542



# Sweetspot

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



296F7C



819CA1



297C35



3E4F52



D1D1D1



525252



# Same Dimension

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



296F7C



208DA1



29467C



373C3D



00697D



00D5FC



# Inverse Universe

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



7C296F



A1208D



7C5F29



3D373C



7D0069



FC00D5



# Previews

## White Background



This preview shows how the Hex color 296F7C looks on a white background.

## Color Contrast Check

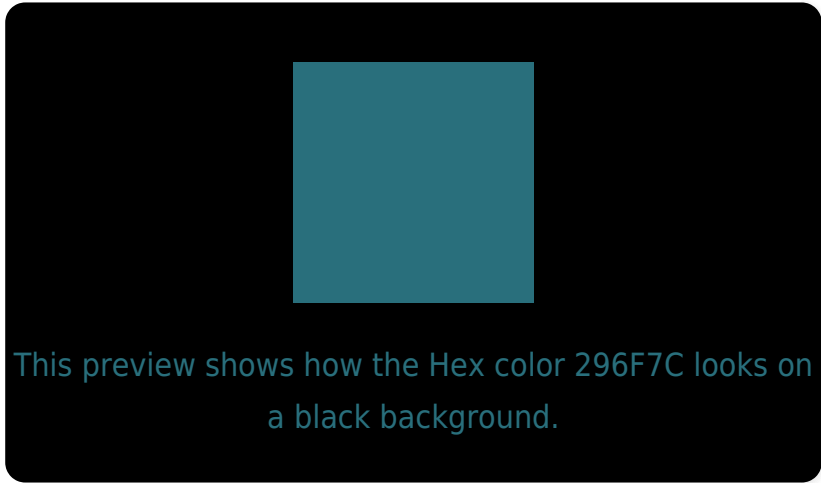
Large Text (above 18pt) WCAG AA ✓ Pass

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

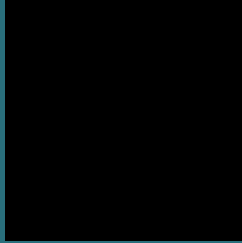
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 296F7C Background



This preview shows how black text looks on a background with the Hex color 296F7C.

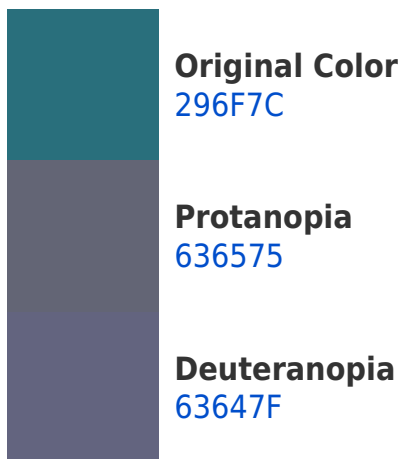


This preview shows how white text looks on a background with the Hex color 296F7C.

# 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**  
277079

# Trichromacy



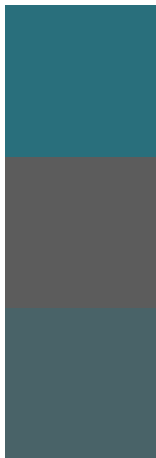
**Original Color**  
296F7C

**Protanomaly**  
4E6978

**Deuteranomaly**  
4E687E

**Tritanomaly**  
28707A

# Monochromacy



**Original Color**  
296F7C

**Achromatopsia**  
5C5C5C

**Achromatomaly**  
496368

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 296F7C 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 #296F7C looks like.

```
.text, #text, p{  
    color:#296F7C  
}
```

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 #296F7C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #296F7C
}
```

## Border

The CSS property to change the border of an element to Hex 296F7C 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
#296F7C }
```

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

```
.border{ border-color:#296F7C }
```

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

Here you see how a box with a 4 pixel #296F7C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #296F7C; -webkit-box-shadow:4px 4px  
4px 4px #296F7C; box-shadow:4px 4px 4px  
4px #296F7C }
```

# Background

The CSS property to change the background color of an element to Hex 296F7C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#296F7C }
```

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

```
.background{ background-color:#296F7C }
```

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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