

# Converting Colors

Hex(2F7DAE)

Have a look what the booklet for  
Hex(2F7DAE) contains.

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# Color

**Hex(2F7DAE)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2F7DAE
RGB	47, 125, 174
RGB Percent	18%, 49%, 68%
CMY	0.8157, 0.5098, 0.3176
CMYK	0.73, 0.28, 0.00, 0.32
HSL	203°, 57%, 43%
HSV	203°, 73%, 68%
XYZ	16.1459, 18.3276, 42.7310
YIQ	107.2640, -62.2170, -1.2970

# Conversions

## Conversions Part 2

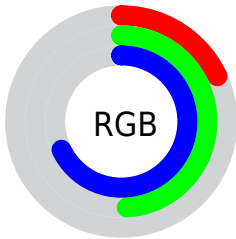
<b>Format</b>	<b>Color</b>
<b>RYB</b>	47, 95, 174
Decimal	3112366
CIELab	49.89, -7.10, -32.82
CIELCh	50, 33.582, 257.795
Yxy	18.3276, 0.2091, 0.2374
Android (android.graphics.Color)	4281302446 (0xFF2F7DAE)
YUV	107.2640, 32.9008, -52.8515
Hunter-Lab	42.8107, -7.5982, -29.2121

# Details

The Hex color **2F7DAE** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **AE602F**, and the grayscale version is **6B6B6B**.

A 20% lighter version of the original color is **6DB1E6**, and **004C79** is the 20% darker color. If you saturate the color by 10%, you get **1E76AE**, and if you desaturate by 10%, it is **4084AE**.

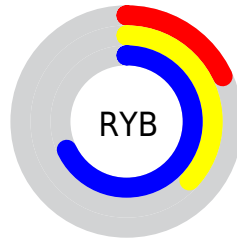
# Distribution



Red (18%)

Green (49%)

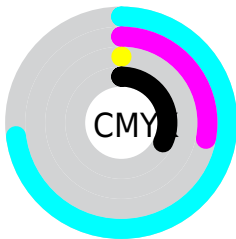
Blue (68%)



Red (18%)

Yellow (37%)

Blue (68%)

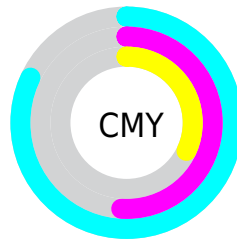


Cyan (73%)

Magenta (28%)

Yellow (0%)

Black (32%)



Cyan (82%)

Magenta (51%)

Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2F7DAE 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 2F7DAE by changing the saturation by 10% instead.



■ 2F7DAE

■ 2F7DAE

FFFFFF

■ 006493

■ 6DB1E6

■ 004C79

■ 8ACDFF

■ 003660

■ A7E9FF

■ 002148

■ C4FFFF

■ 000432

■ E2FFFF

■ 00011C

■ 000000

■ 2F7DAE

■ 2F7DAE

■ 1E76AE

■ 4084AE

0C70AE

528AAE

006BAE

6391AE

7598AE

869FAE

97A5AE

A9ACAE

BAB3AE

CCB9AE

# Harmonies

## Analogous

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



0083A0



2F7DAE



6774AD

# Triad

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



2F7DAE



AE6067



57814F

# Complementary

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



2F7DAE



AE602F

# 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.



787A3F



2F7DAE



A6674E

# Square

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



2F7DAE



A66184



93713E



2E856A

# Rectangle

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



2F7DAE



836CA4



93713E



637F48



# Sweetspot

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



2F7DAE



B1D0E3



2FAE60



556773



F2F2F2



737373



# Same Dimension

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



2F7DAE



1B96E3



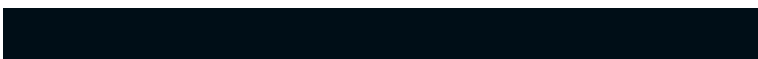
2F3EAE



4E5357



005C96



000E17



# Inverse Universe

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



AE2F7D



E31B96



AE9F2F



574E53



96005C



17000E



# Previews

## White Background



This preview shows how the Hex color 2F7DAE looks on a white background.

## Color Contrast Check

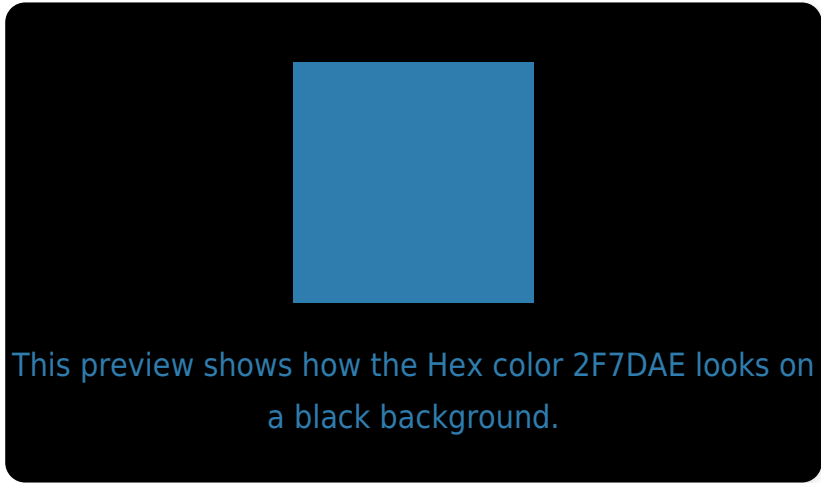
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ Pass

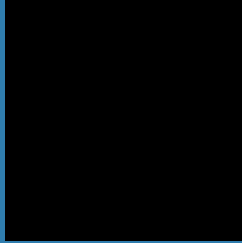
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 2F7DAE Background



This preview shows how black text looks on a background with the Hex color 2F7DAE.

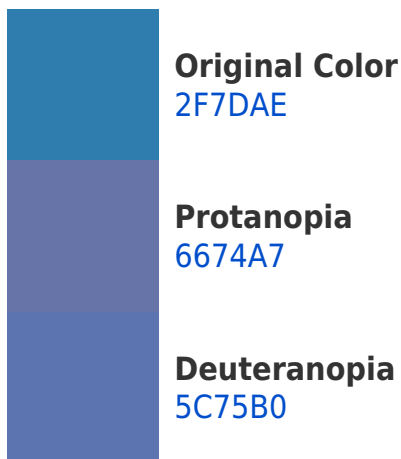


This preview shows how white text looks on a background with the Hex color 2F7DAE.

# 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](#).

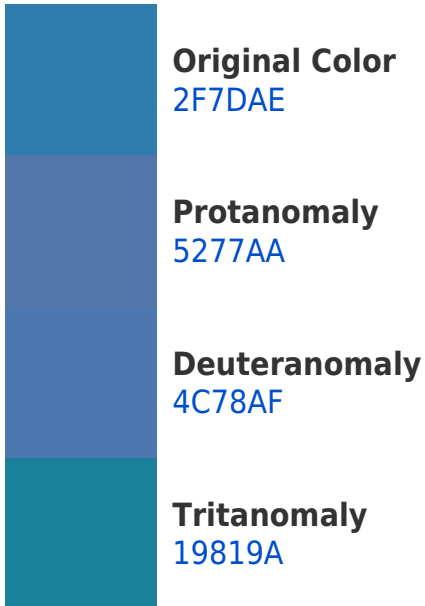
## Dichromacy



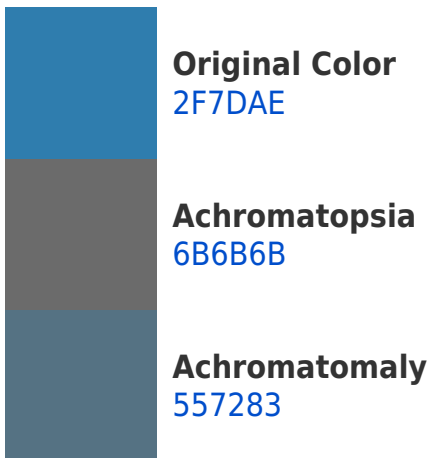


**Tritanopia**  
0D838E

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2F7DAE 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 #2F7DAE looks like.

```
.text, #text, p{  
    color:#2F7DAE  
}
```

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 #2F7DAE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2F7DAE
}
```

## Border

The CSS property to change the border of an element to Hex 2F7DAE 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
#2F7DAE }
```

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

```
.border{ border-color:#2F7DAE }
```

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

Here you see how a box with a 4 pixel #2F7DAE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2F7DAE; -webkit-box-shadow:4px 4px  
4px 4px #2F7DAE; box-shadow:4px 4px 4px  
4px #2F7DAE }
```

# Background

The CSS property to change the background color of an element to Hex 2F7DAE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2F7DAE }
```

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

```
.background{ background-color:#2F7DAE }
```

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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