

Converting Colors

Hex(2F7A9F)

Have a look what the booklet for
Hex(2F7A9F) contains.

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Color

Hex(2F7A9F)

Conversions

Conversions Part 1

Format	Color
Hex	2F7A9F
RGB	47, 122, 159
RGB Percent	18%, 48%, 62%
CMY	0.8157, 0.5216, 0.3765
CMYK	0.70, 0.23, 0.00, 0.38
HSL	200°, 54%, 40%
HSV	200°, 70%, 62%
XYZ	14.3898, 17.0266, 35.3289
YIQ	103.7930, -56.5770, -4.3930

Conversions

Conversions Part 2

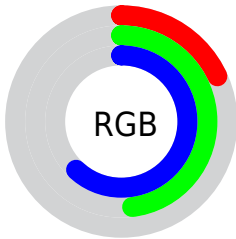
Format	Color
RYB	47, 92, 159
Decimal	3111583
CIELab	48.29, -10.64, -26.58
CIElCh	48, 28.631, 248.183
Yxy	17.0266, 0.2156, 0.2551
Android (android.graphics.Color)	4281301663 (0xFF2F7A9F)
YUV	103.7930, 27.2171, -49.8075
Hunter-Lab	41.2633, -9.9622, -21.8787

Details

The Hex color **2F7A9F** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **9F542F**, and the grayscale version is **686868**.

A 20% lighter version of the original color is **6BAED6**, and **00496B** is the 20% darker color. If you saturate the color by 10%, you get **1F759F**, and if you desaturate by 10%, it is **3F7F9F**.

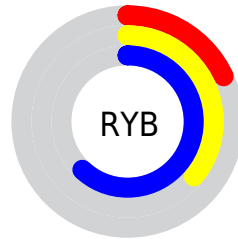
Distribution



Red (18%)

Green (48%)

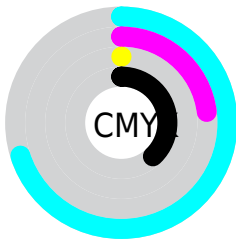
Blue (62%)



Red (18%)

Yellow (36%)

Blue (62%)

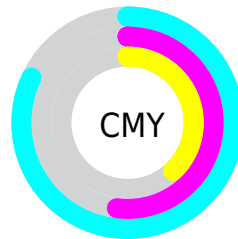


Cyan (70%)

Magenta (23%)

Yellow (0%)

Black (38%)



Cyan (82%)

Magenta (52%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2F7A9F 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 2F7A9F by changing the saturation by 10% instead.

■ 2F7A9F

■ 2F7A9F

FFFFFF

■ 006185

■ 6BAED6

■ 00496B

■ 87CAF2

■ 003353

■ A4E6FF

■ 001E3C

■ C0FFFF

■ 000326

■ DEFFFF

■ 00010F

■ FBFFFF

■ 000000

■ 2F7A9F

■ 2F7A9F

■ 1F759F

■ 3F7F9F

0F6F9F

4F859F

006A9F

5F8A9F

6F8F9F

7F949F

8E9A9F

9E9F9F

AEA49F

BEA99F

Harmonies

Analogous

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



037E90



2F7A9F



5A73A2

Triad

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



2F7A9F



A1606D



627A4C

Complementary

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



2F7A9F



9F542F

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.



7C7342



2F7A9F



9F6356

Square

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



2F7A9F



966285



916B46



447E60

Rectangle

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



2F7A9F



736D9D



916B46



6B7847

Sweetspot

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



2F7A9F



A3C0CF



2F9F52



4E6069



E8E8E8



696969

Same Dimension

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



2F7A9F



1F95CF



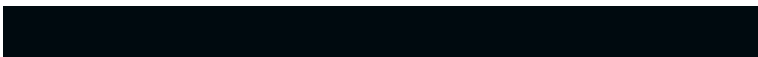
2F449F



474C4F



00608F



000A0F

Inverse Universe

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



9F2F7A



CF1F95



9F8A2F



4F474C



8F0060



0F000A

Previews

White Background



This preview shows how the Hex color 2F7A9F looks on a white background.

Color Contrast Check

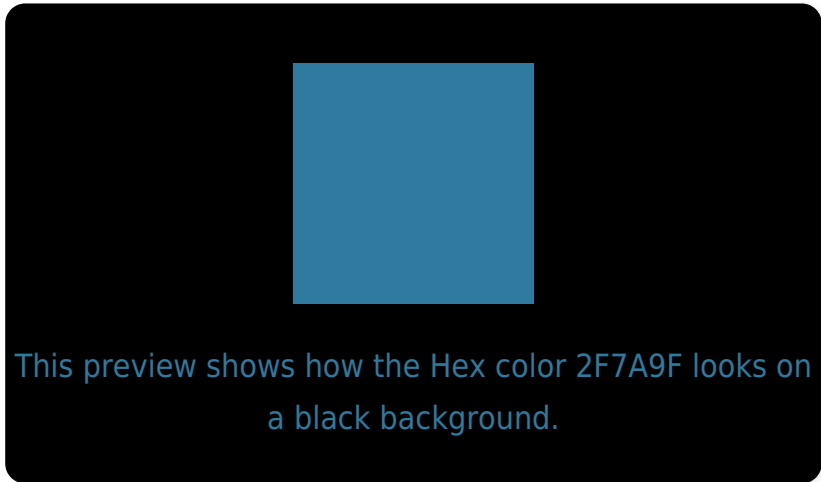
Large Text (above 18pt) WCAG AA ✓ Pass

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 2F7A9F Background



This preview shows how black text looks on a background with the Hex color 2F7A9F.

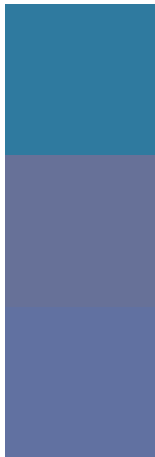


This preview shows how white text looks on a background with the Hex color 2F7A9F.

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



Original Color
2F7A9F

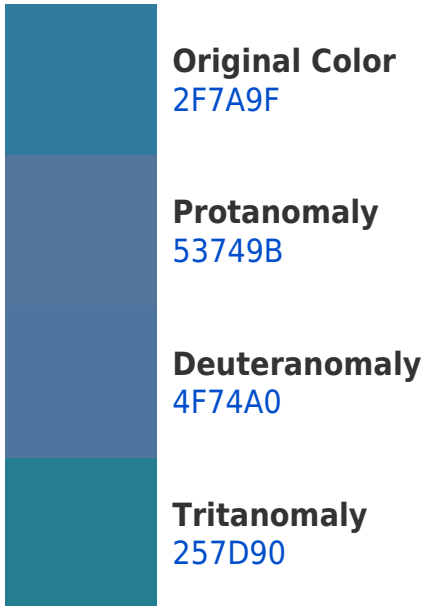
Protanopia
677198

Deuteranopia
6171A1

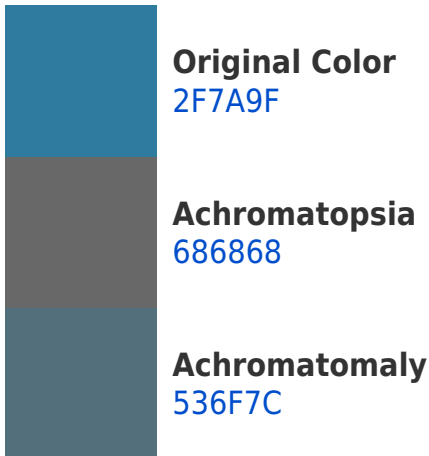


Tritanopia
1F7E88

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 2F7A9F 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 #2F7A9F looks like.

```
.text, #text, p{  
    color:#2F7A9F  
}
```

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 #2F7A9F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2F7A9F
}
```

Border

The CSS property to change the border of an element to Hex 2F7A9F 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
#2F7A9F }
```

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

```
.border{ border-color:#2F7A9F }
```

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

Here you see how a box with a 4 pixel #2F7A9F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2F7A9F; -webkit-box-shadow:4px 4px  
4px 4px #2F7A9F; box-shadow:4px 4px 4px  
4px #2F7A9F }
```

Background

The CSS property to change the background color of an element to Hex 2F7A9F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2F7A9F }
```

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

```
.background{ background-color:#2F7A9F }
```

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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