

# Converting Colors

Hex(2F7794)

Have a look what the booklet for  
Hex(2F7794) contains.

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# Color

Hex(2F7794)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2F7794
RGB	47, 119, 148
RGB Percent	18%, 47%, 58%
CMY	0.8157, 0.5333, 0.4196
CMYK	0.68, 0.20, 0.00, 0.42
HSL	197°, 52%, 38%
HSV	197°, 68%, 58%
XYZ	13.1144, 15.9361, 30.4017
YIQ	100.7780, -52.2210, -6.2450

# Conversions

## Conversions Part 2

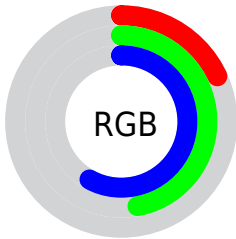
<b>Format</b>	<b>Color</b>
<b>RYB</b>	47, 89, 148
Decimal	3110804
CIELab	46.89, -12.71, -22.29
CIELCh	47, 25.658, 240.304
Yxy	15.9361, 0.2206, 0.2680
Android (android.graphics.Color)	4281300884 (0xFF2F7794)
YUV	100.7780, 23.2804, -47.1633
Hunter-Lab	39.9201, -11.2198, -17.2092

# Details

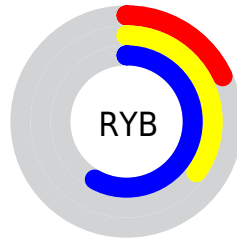
The Hex color **2F7794** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **944C2F**, and the grayscale version is **656565**.

A 20% lighter version of the original color is **69ABCA**, and **004761** is the 20% darker color. If you saturate the color by 10%, you get **207394**, and if you desaturate by 10%, it is **3E7B94**.

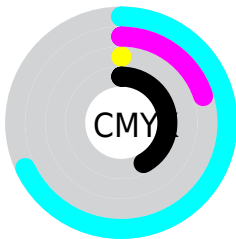
# Distribution



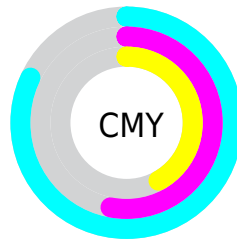
- Red (18%)
- Green (47%)
- Blue (58%)



- Red (18%)
- Yellow (35%)
- Blue (58%)



- Cyan (68%)
- Magenta (20%)
- Yellow (0%)
- Black (42%)



- Cyan (82%)
- Magenta (53%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2F7794 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 2F7794 by changing the saturation by 10% instead.



■ 2F7794

■ 2F7794

FFFFFF

■ 035E7A

■ 69ABCA

■ 004761

■ 85C7E6

■ 003049

■ A1E3FF

■ 001C33

■ BEFFFF

■ 00021E

■ DBFFFF

■ 000000

■ F8FFFF

■ 2F7794

■ 2F7794

■ 207394

■ 3E7B94

■ 116F94

■ 4D7F94

■ 036A94

■ 5B8494

■ 006A94

■ 6A8894

■ 798C94

■ 889094

■ 979594

■ A59994

■ B49D94

# Harmonies

## Analogous

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



1F7A84



2F7794



51719A

# Triad

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



2F7794



985F70



677449

# Complementary

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



2F7794



944C2F

# 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.



7D6E44



2F7794



99605A

# Square

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



2F7794



8B6285



8F664A



4D7959

# Rectangle

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



2F7794



686C97



8F664A



6F7246



# Sweetspot

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



2F7794



99B4BF



2F944C



4A5A61



E0E0E0



616161



# Same Dimension

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



2F7794



2292BF



2F4594



43484A



00628A



00070A



# Inverse Universe

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



942F77



BF2292



947E2F



4A4348



8A0062



0A0007



# Previews

## White Background



This preview shows how the Hex color 2F7794 looks on a white background.

## Color Contrast Check

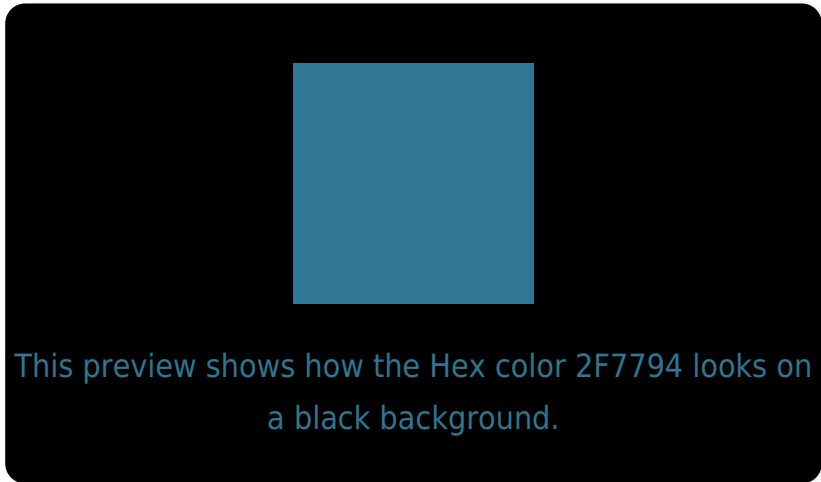
Large Text (above 18pt) WCAG AA ✓ Pass

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

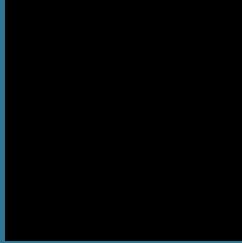
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2F7794 Background



This preview shows how black text looks on a background with the Hex color 2F7794.

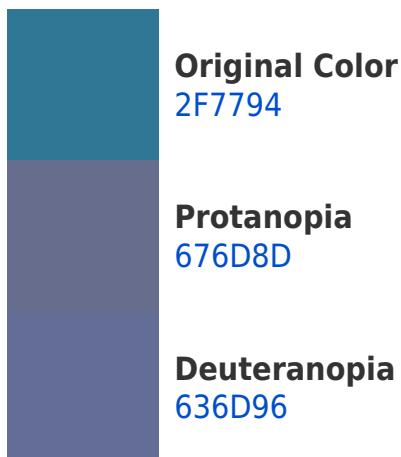



This preview shows how white text looks on a background with the Hex color 2F7794.

# 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](#).

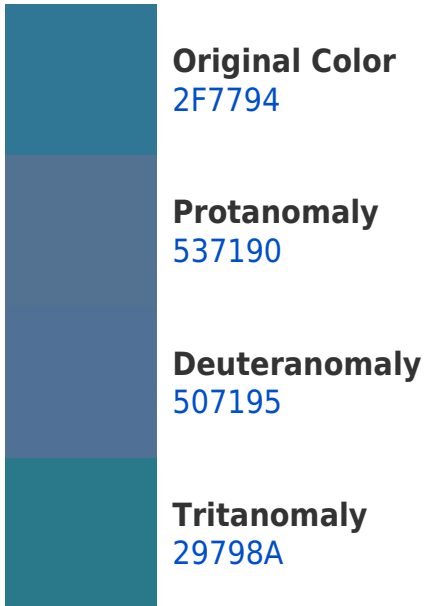
## Dichromacy





**Tritanopia**  
257A84

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2F7794 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 #2F7794 looks like.

```
.text, #text, p{  
    color:#2F7794  
}
```

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 #2F7794 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2F7794
}
```

## Border

The CSS property to change the border of an element to Hex 2F7794 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
#2F7794 }
```

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

```
.border{ border-color:#2F7794 }
```

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

Here you see how a box with a 4 pixel #2F7794 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2F7794; -webkit-box-shadow:4px 4px  
4px 4px #2F7794; box-shadow:4px 4px 4px  
4px #2F7794 }
```

# Background

The CSS property to change the background color of an element to Hex 2F7794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2F7794 }
```

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

```
.background{ background-color:#2F7794 }
```

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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