

# Converting Colors

Hex(3C7F90)

Have a look what the booklet for  
Hex(3C7F90) contains.

<b>Hex(3C7F90)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(3C7F90)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3C7F90
RGB	60, 127, 144
RGB Percent	24%, 50%, 56%
CMY	0.7647, 0.5020, 0.4353
CMYK	0.58, 0.12, 0.00, 0.44
HSL	192°, 41%, 40%
HSV	192°, 58%, 56%
XYZ	14.4869, 18.1530, 29.1259
YIQ	108.9050, -45.3890, -8.9170

# Conversions

## Conversions Part 2

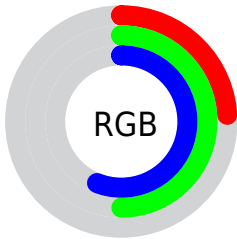
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	60, 97, 144
Decimal	3964816
CIE <sub>Lab</sub>	49.68, -16.02, -15.62
CIE <sub>LCh</sub>	50, 22.379, 224.272
Yxy	18.1530, 0.2345, 0.2939
Android (android.graphics.Color)	4282154896 (0xFF3C7F90)
YUV	108.9050, 17.3018, -42.8897
Hunter-Lab	42.6064, -13.8681, -10.7065

# Details

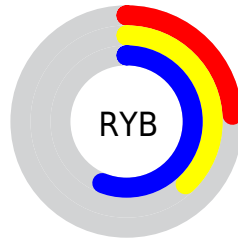
The Hex color **3C7F90** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **904D3C**, and the grayscale version is **6D6D6D**.

A 20% lighter version of the original color is **73B4C6**, and **004E5E** is the 20% darker color. If you saturate the color by 10%, you get **2E7C90**, and if you desaturate by 10%, it is **4A8290**.

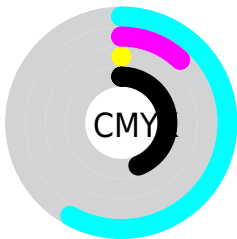
# Distribution



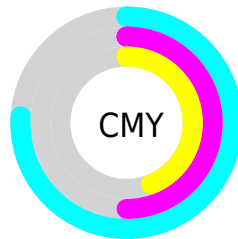
- Red (24%)
- Green (50%)
- Blue (56%)



- Red (24%)
- Yellow (38%)
- Blue (56%)



- Cyan (58%)
- Magenta (12%)
- Yellow (0%)
- Black (44%)



- Cyan (76%)
- Magenta (50%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3C7F90 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 3C7F90 by changing the saturation by 10% instead.



■ 3C7F90

■ 3C7F90

FFFFFF

■ 1D6676

■ 73B4C6

■ 004E5E

■ 8ECFE2

■ 003746

■ AAECFF

■ 002130

■ C7FFFF

■ 00011B

■ E4FFFF

■ 000000

■ 3C7F90

■ 3C7F90

■ 2E7C90

■ 4A8290

■ 1F7990

■ 598590

■ 117690

■ 678890

■ 027390

■ 768B90

■ 007390

■ 848E90

■ 929090

■ A19390

■ AF9690

■ BE9990

# Harmonies

## Analogous

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



3E817F



3C7F90



4F7B9A

# Triad

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



3C7F90



956981



7A7851

# Complementary

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



3C7F90



904D3C

# 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.



8D7252



3C7F90



9C686E

# Square

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



3C7F90



846E91



996C5C



657D5A

# Rectangle

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



3C7F90



62779C



996C5C



817650



# Sweetspot

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



3C7F90



99B3BA



3C904D



4A5A5E



DEDEDE



5E5E5E



# Same Dimension

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



3C7F90



38A0BA



3C5590



404647



006C87



000608



# Inverse Universe

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



903C7F



BA38A0



90773C



474046



87006C

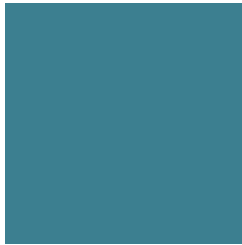


080006



# Previews

## White Background



This preview shows how the Hex color 3C7F90 looks on a white background.

## Color Contrast Check

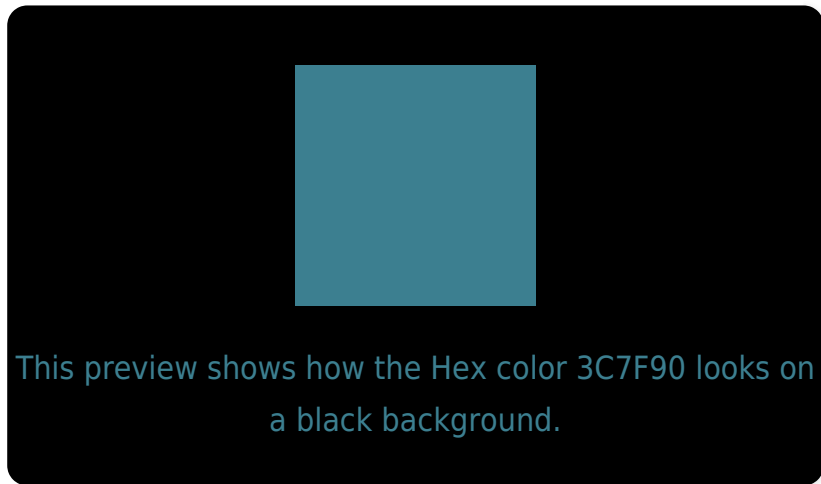
Large Text (above 18pt) WCAG AA ✓ Pass

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

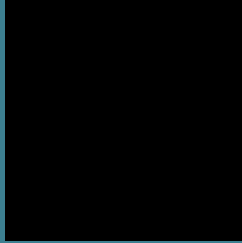
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

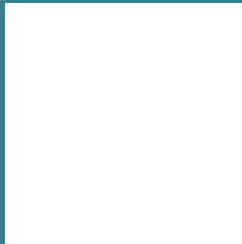
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 3C7F90 Background



This preview shows how black text looks on a background with the Hex color 3C7F90.



This preview shows how white text looks on a background with the Hex color 3C7F90.

# 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](#).

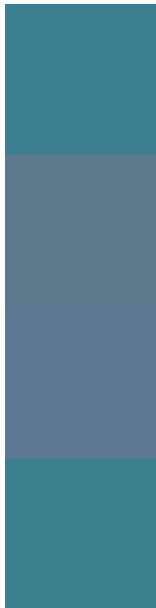
## Dichromacy





**Tritanopia**  
3A808A

# Trichromacy



**Original Color**  
3C7F90

**Protanomaly**  
5E798C

**Deuteranomaly**  
5E7792

**Tritanomaly**  
3B808C

# Monochromacy



**Original Color**  
3C7F90

**Achromatopsia**  
6D6D6D

**Achromatomaly**  
5B747A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3C7F90 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 #3C7F90 looks like.

```
.text, #text, p{  
    color:#3C7F90  
}
```

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 #3C7F90 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3C7F90
}
```

## Border

The CSS property to change the border of an element to Hex 3C7F90 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
#3C7F90 }
```

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

```
.border{ border-color:#3C7F90 }
```

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

Here you see how a box with a 4 pixel #3C7F90 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3C7F90; -webkit-box-shadow:4px 4px  
4px 4px #3C7F90; box-shadow:4px 4px 4px  
4px #3C7F90 }
```

# Background

The CSS property to change the background color of an element to Hex 3C7F90 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3C7F90 }
```

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

```
.background{ background-color:#3C7F90 }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor