

# Converting Colors

Hex(337788)

Have a look what the booklet for  
Hex(337788) contains.

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# Color

Hex(337788)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	337788
RGB	51, 119, 136
RGB Percent	20%, 47%, 53%
CMY	0.8000, 0.5333, 0.4667
CMYK	0.63, 0.12, 0.00, 0.47
HSL	192°, 45%, 37%
HSV	192°, 62%, 53%
XYZ	12.4060, 15.6750, 25.6643
YIQ	100.6060, -45.9850, -9.1290

# Conversions

## Conversions Part 2

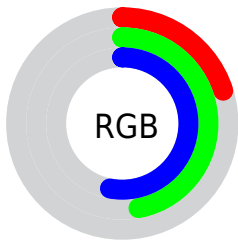
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	51, 89, 136
Decimal	3372936
CIE <sub>Lab</sub>	46.55, -15.96, -15.71
CIE <sub>LCh</sub>	47, 22.393, 224.540
Yxy	15.6750, 0.2308, 0.2917
Android (android.graphics.Color)	4281563016 (0xFF337788)
YUV	100.6060, 17.4492, -43.5045
Hunter-Lab	39.5917, -13.3528, -10.7190

# Details

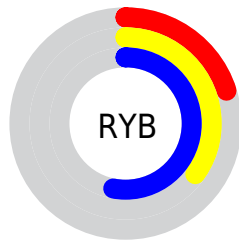
The Hex color **337788** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **884433**, and the grayscale version is **646464**.

A 20% lighter version of the original color is **6AABBD**, and **004656** is the 20% darker color. If you saturate the color by 10%, you get **257488**, and if you desaturate by 10%, it is **417A88**.

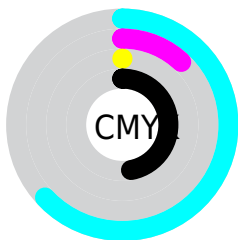
# Distribution



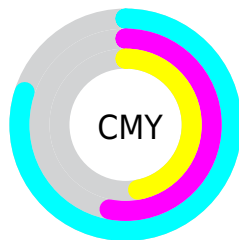
- Red (20%)
- Green (47%)
- Blue (53%)



- Red (20%)
- Yellow (35%)
- Blue (53%)



- Cyan (63%)
- Magenta (12%)
- Yellow (0%)
- Black (47%)



- Cyan (80%)
- Magenta (53%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 337788 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 337788 by changing the saturation by 10% instead.



■ 337788

■ 337788

FFFFFF

■ 115E6F

■ 6AABBD

■ 004656

■ 86C7D9

■ 00303F

■ A2E3F6

■ 001C29

■ BEFFFF

■ 000114

■ DBFFFF

■ 000000

■ F8FFFF

■ 337788

■ 337788

■ 257488

■ 417A88

■ 187288

■ 4E7C88

■ 0A6F88

■ 5C7F88

■ 006D88

■ 698288

■ 778588

■ 858788

■ 928A88

■ A08D88

■ AD8F88

# Harmonies

## Analogous

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



357977



337788



477392

# Triad

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



337788



8D6179



72704A

# Complementary

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



337788



884433

# 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.



846A4A



337788



946066

# Square

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



337788



7C6689



906455



5D7553

# Rectangle

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



337788



5A6F93



906455



796E49



# Sweetspot

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



337788



8FA9B0



338844



455559



D9D9D9



595959



# Same Dimension

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



337788



2C96B0



334C88



3E4345



006A85



000405



# Inverse Universe

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



883377



B02C96



886F33



453E43



85006A



050004



# Previews

## White Background



This preview shows how the Hex color 337788 looks on a white background.

## Color Contrast Check

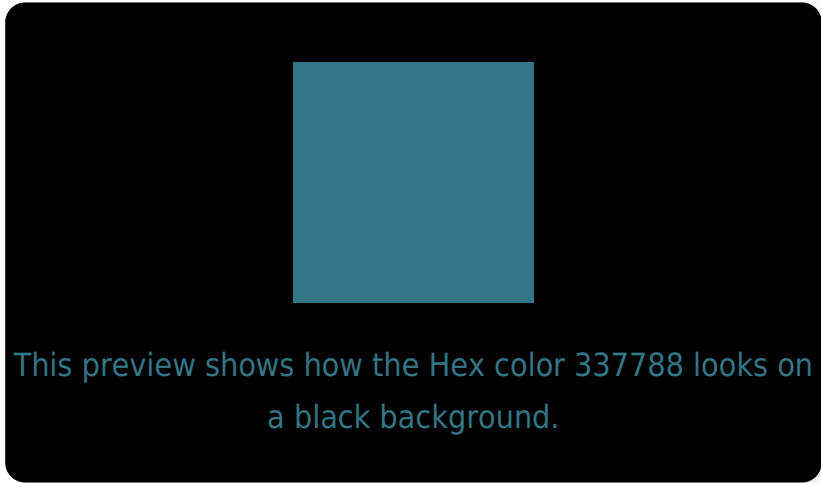
Large Text (above 18pt) WCAG AA ✓ Pass

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

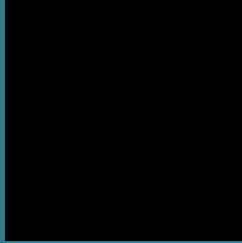
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

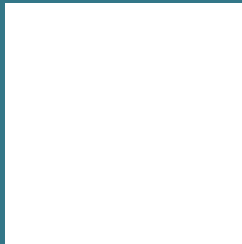
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 337788 Background



This preview shows how black text looks on a background with the Hex color 337788.

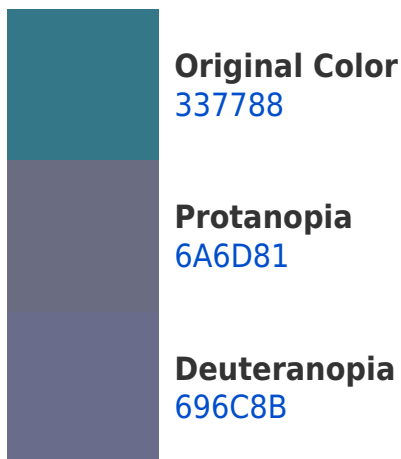


This preview shows how white text looks on a background with the Hex color 337788.

# Color Blindness Simulation

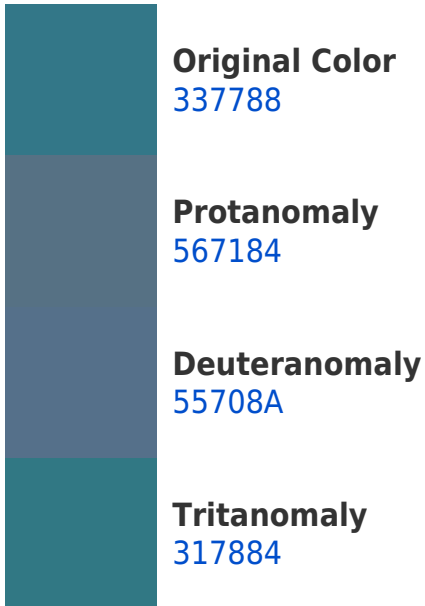
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy





# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 337788 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 #337788 looks like.

```
.text, #text, p{  
    color:#337788  
}
```

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 #337788 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #337788
}
```

## Border

The CSS property to change the border of an element to Hex 337788 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
#337788 }
```

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

```
.border{ border-color:#337788 }
```

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

Here you see how a box with a 4 pixel #337788 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #337788; -webkit-box-shadow:4px 4px  
4px 4px #337788; box-shadow:4px 4px 4px  
4px #337788 }
```

# Background

The CSS property to change the background color of an element to Hex 337788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#337788 }
```

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

```
.background{ background-color:#337788 }
```

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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