

# Converting Colors

Hex(337A62)

Have a look what the booklet for  
Hex(337A62) contains.

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# Color

Hex(337A62)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	337A62
RGB	51, 122, 98
RGB Percent	20%, 48%, 38%
CMY	0.8000, 0.5216, 0.6157
CMYK	0.58, 0.00, 0.20, 0.52
HSL	160°, 41%, 34%
HSV	160°, 58%, 48%
XYZ	10.5294, 15.5047, 13.9930
YIQ	98.0350, -34.6120, -22.5160

# Conversions

## Conversions Part 2

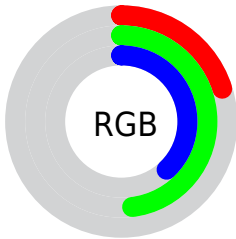
<b>Format</b>	<b>Color</b>
<b>RYB</b>	51, 94, 122
Decimal	3373666
CIELab	46.32, -28.48, 6.52
CIELCh	46, 29.211, 167.111
Yxy	15.5047, 0.2631, 0.3874
Android (android.graphics.Color)	4281563746 (0xFF337A62)
YUV	98.0350, -0.0173, -41.2497
Hunter-Lab	39.3760, -21.1761, 6.4934

# Details

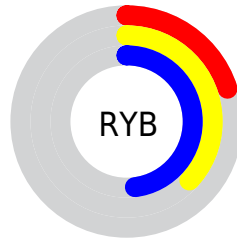
The Hex color **337A62** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7A334B**, and the grayscale version is **626262**.

A 20% lighter version of the original color is **68AF95**, and **004934** is the 20% darker color. If you saturate the color by 10%, you get **277A5E**, and if you desaturate by 10%, it is **3F7A66**.

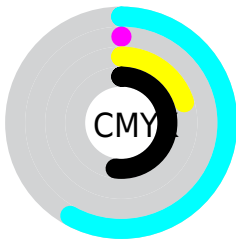
# Distribution



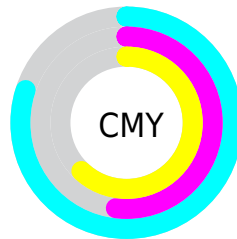
- Red (20%)
- Green (48%)
- Blue (38%)



- Red (20%)
- Yellow (37%)
- Blue (48%)



- Cyan (58%)
- Magenta (0%)
- Yellow (20%)
- Black (52%)



- Cyan (80%)
- Magenta (52%)
- Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 337A62 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 337A62 by changing the saturation by 10% instead.





337A62



337A62

FFFFFF



15614A



68AF95



004934



83CBAF



00311E



9EE7CB



001E06



BAFFE7



000000



D6FFFF



F3FFFF



337A62



337A62



277A5E



3F7A66

■ 1B7A5A

■ 4B7A6A

■ 0E7A56

■ 587A6E

■ 027A52

■ 647A72

■ 007A51

■ 707A77

■ 7C7A7B

■ 887A7F

■ 957A83

■ A17A87

# Harmonies

## Analogous

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



54774C



337A62



007B7B

# Triad

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



337A62



606B9C



97604B

# Complementary

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



337A62



7A334B

# 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.



9D5B61



337A62



82628F

# Square

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



337A62



34739D



975C79



87693E

# Rectangle

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



337A62



007A8A



975C79



9A5E51



# Sweetspot

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



337A62



839E95



4C7A33



3F4F4A



CFCFCF



4F4F4F



# Same Dimension

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



337A62



2F9E79



336F7A



373D3B



007D53



00FCA7



# Inverse Universe

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



7A334B



9E2F55



7A3E33



3D3739



7D002A



FC0055



# Previews

## White Background



This preview shows how the Hex color 337A62 looks on a white background.

## Color Contrast Check

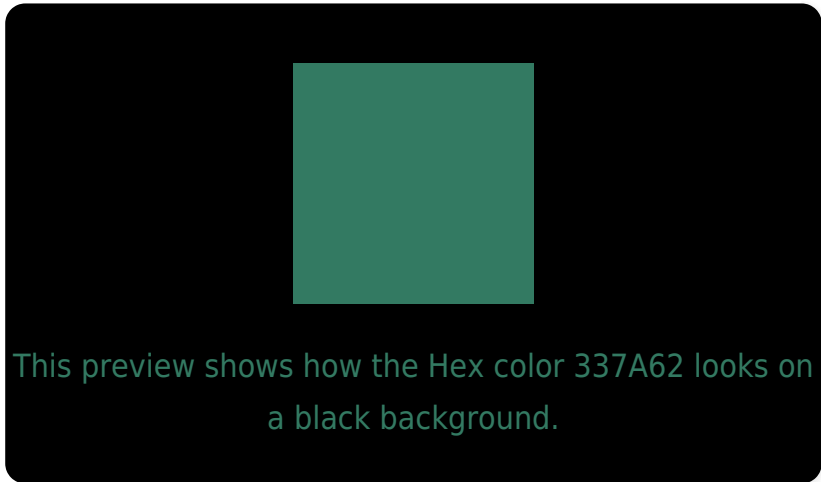
Large Text (above 18pt) WCAG AA ✓ Pass

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

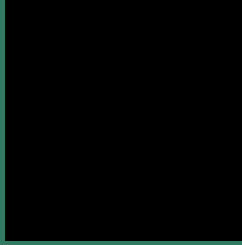
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 337A62 Background



This preview shows how black text looks on a background with the Hex color 337A62.

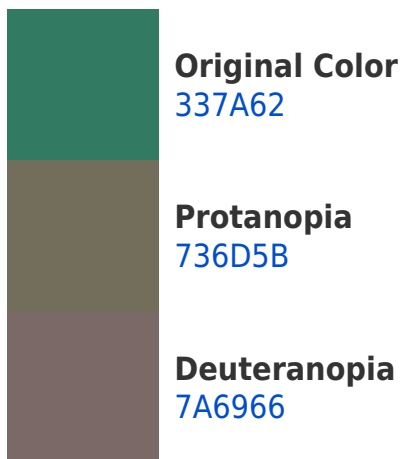


This preview shows how white text looks on a background with the Hex color 337A62.

# 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**  
3D7680

# Trichromacy



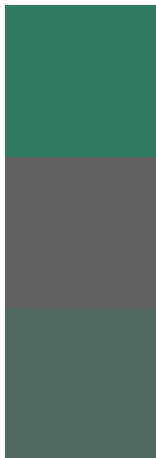
**Original Color**  
337A62

**Protanomaly**  
5C725E

**Deuteranomaly**  
606F65

**Tritanomaly**  
397775

# Monochromacy



**Original Color**  
337A62

**Achromatopsia**  
626262

**Achromatomaly**  
516B62

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 337A62 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 #337A62 looks like.

```
.text, #text, p{  
    color:#337A62  
}
```

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 #337A62 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #337A62
}
```

## Border

The CSS property to change the border of an element to Hex 337A62 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
#337A62 }
```

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

```
.border{ border-color:#337A62 }
```

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

Here you see how a box with a 4 pixel #337A62 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #337A62; -webkit-box-shadow:4px 4px  
4px 4px #337A62; box-shadow:4px 4px 4px  
4px #337A62 }
```

# Background

The CSS property to change the background color of an element to Hex 337A62 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#337A62 }
```

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

```
.background{ background-color:#337A62 }
```

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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