

# Converting Colors

Hex(33867D)

Have a look what the booklet for  
Hex(33867D) contains.

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# Color

Hex(33867D)

# Conversions

## Conversions Part 1

Format	Color
Hex	33867D
RGB	51, 134, 125
RGB Percent	20%, 53%, 49%
CMY	0.8000, 0.4745, 0.5098
CMYK	0.62, 0.00, 0.07, 0.47
HSL	173°, 45%, 36%
HSV	173°, 62%, 53%
XYZ	13.5920, 19.2347, 22.3983
YIQ	108.1570, -46.5790, -20.3950

# Conversions

## Conversions Part 2

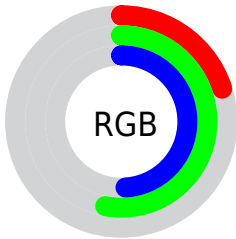
<b>Format</b>	<b>Color</b>
<b>RYB</b>	51, 95, 134
Decimal	3376765
CIELab	50.96, -27.16, -2.61
CIELCh	51, 27.281, 185.498
Yxy	19.2347, 0.2461, 0.3483
Android (android.graphics.Color)	4281566845 (0xFF33867D)
YUV	108.1570, 8.3036, -50.1267
Hunter-Lab	43.8573, -21.4307, 0.4202




# Details

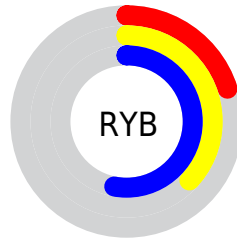
The Hex color **33867D** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **86333C**, and the grayscale version is **6C6C6C**.




A 20% lighter version of the original color is **6BBCB2**, and **00544C** is the 20% darker color. If you saturate the color by 10%, you get **26867C**, and if you desaturate by 10%, it is **40867E**.

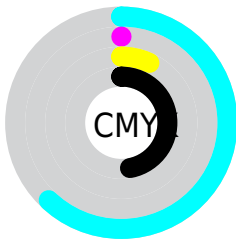
# Distribution







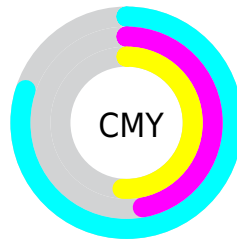
-  Red (20%)
-  Green (53%)
-  Blue (49%)






-  Red (20%)
-  Yellow (37%)
-  Blue (53%)



-  Cyan (62%)
-  Magenta (0%)
-  Yellow (7%)
-  Black (47%)



-  Cyan (80%)
-  Magenta (47%)
-  Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 33867D 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 33867D by changing the saturation by 10% instead.



 33867D

 33867D

FFFFFF

 106C64

 6BBCB2

 00544C

 87D8CD

 003C36

 A2F4E9

 002620

 BFFFFFF

 00070A

 DCFFFF

 000000

 F9FFFF

 33867D

 33867D

 26867C

 40867E

■ 18867A

■ 4E8680

■ 0B8679

■ 5B8681

■ 008677

■ 698683

■ 768684

■ 838686

■ 918687

■ 9E8689

■ AC868A

# Harmonies

## Analogous

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



508465



33867D



238594

# Triad

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



33867D



82729F



997150

# Complementary

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



33867D



86333C

# 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.



A56A5F



33867D



9A6A8D

# Square

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



33867D



607AA7



A66776



85794B

# Rectangle

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



33867D



2F839F



A66776



9E6F54



# Sweetspot

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



33867D



8CADAA



3D8633



435755



D6D6D6



575757



# Same Dimension

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



33867D



2DAD9F



336686



3C4242



008274



000302



# Inverse Universe

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



86333C



AD2D3B



865333



423C3C



82000E

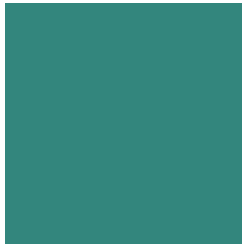


030000



# Previews

## White Background



This preview shows how the Hex color 33867D looks on a white background.

## Color Contrast Check

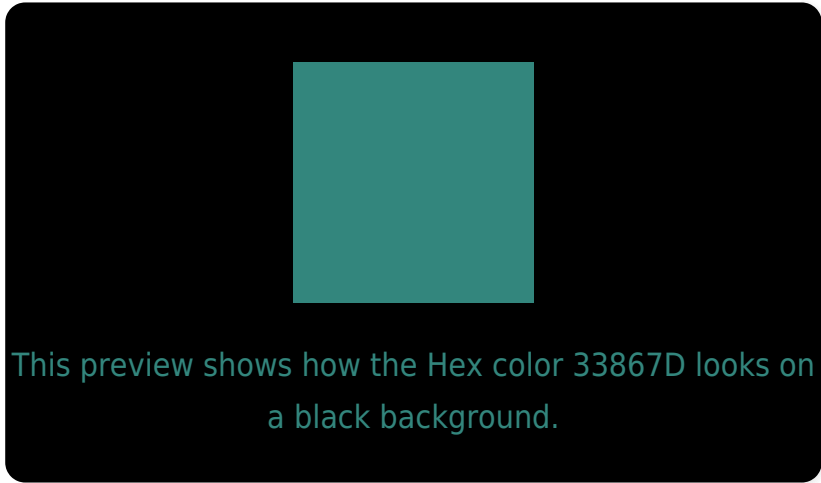
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

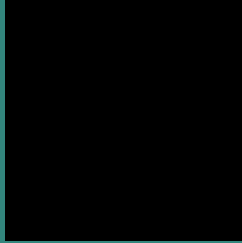
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 33867D Background



This preview shows how black text looks on a background with the Hex color 33867D.

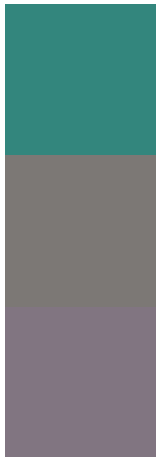


This preview shows how white text looks on a background with the Hex color 33867D.

# 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**  
33867D

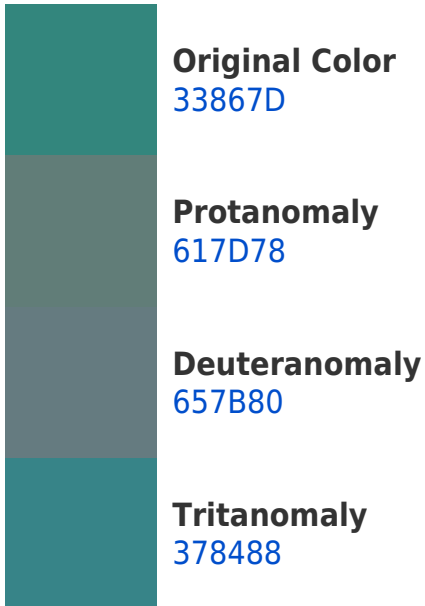
**Protanopia**  
7C7875

**Deuteranopia**  
817581



**Tritanopia**  
3A838E

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 33867D 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 #33867D looks like.

```
.text, #text, p{  
    color:#33867D  
}
```

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 #33867D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33867D
}
```

## Border

The CSS property to change the border of an element to Hex 33867D 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
#33867D }
```

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

```
.border{ border-color:#33867D }
```

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

Here you see how a box with a 4 pixel #33867D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33867D; -webkit-box-shadow:4px 4px  
4px 4px #33867D; box-shadow:4px 4px 4px  
4px #33867D }
```

# Background

The CSS property to change the background color of an element to Hex 33867D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33867D }
```

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

```
.background{ background-color:#33867D }
```

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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