

# Converting Colors

Hex(237375)

Have a look what the booklet for  
Hex(237375) contains.

<b>Hex(237375)</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(237375)

# Conversions

## Conversions Part 1

Format	Color
Hex	237375
RGB	35, 115, 117
RGB Percent	14%, 45%, 46%
CMY	0.8627, 0.5490, 0.5412
CMYK	0.70, 0.02, 0.00, 0.54
HSL	181°, 54%, 30%
HSV	181°, 70%, 46%
XYZ	10.0348, 13.9031, 18.9843
YIQ	91.3080, -48.3220, -16.3380

# Conversions

## Conversions Part 2

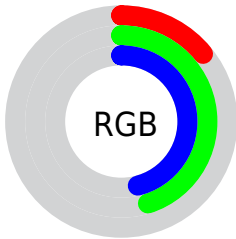
<b>Format</b>	<b>Color</b>
<b>RYB</b>	35, 75, 117
Decimal	2323317
CIELab	44.09, -22.71, -8.12
CIElCh	44, 24.117, 199.679
Yxy	13.9031, 0.2338, 0.3239
Android (android.graphics.Color)	4280513397 (0xFF237375)
YUV	91.3080, 12.6662, -49.3821
Hunter-Lab	37.2869, -17.2137, -4.0861

# Details

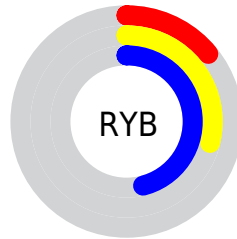
The Hex color **237375** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **752523**, and the grayscale version is **5B5B5B**.

A 20% lighter version of the original color is **5DA7A9**, and **004245** is the 20% darker color. If you saturate the color by 10%, you get **177375**, and if you desaturate by 10%, it is **2F7375**.

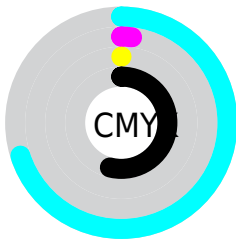
# Distribution



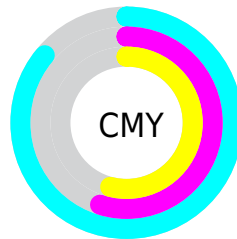
- Red (14%)
- Green (45%)
- Blue (46%)



- Red (14%)
- Yellow (29%)
- Blue (46%)



- Cyan (70%)
- Magenta (2%)
- Yellow (0%)
- Black (54%)



- Cyan (86%)
- Magenta (55%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 237375 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 237375 by changing the saturation by 10% instead.



 237375

 237375

FFFFFF

 005A5C

 5DA7A9

 004245

 78C3C4

 002C2F

 94DFE0

 00181A

 B0FBFD

 000000

 CCFFFF

 E9FFFF

 237375

 237375

 177375

 2F7375

0C7275

3A7475

007275

467475

527475

5E7475

697575

757575

817575

8C7675

# Harmonies

## Analogous

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



397360



237375



257186

# Triad

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



237375



7B5E82



7C6541

# Complementary

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



237375



752523

# 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.



8A5E4B



237375



8B5A70

# Square

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



237375



61668E



90595C



686B42

# Rectangle

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



237375



376E8D



90595C



816243



# Sweetspot

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



237375



799899



237524



394C4D



CCCCCC



4D4D4D



# Same Dimension

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



237375



189699



234B75



353B3B



00777A



00F4FA



# Inverse Universe

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



752373



991896



754D23



3B353B



7A0077

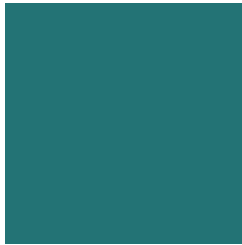


FA00F4



# Previews

## White Background



This preview shows how the Hex color 237375 looks on a white background.

## Color Contrast Check

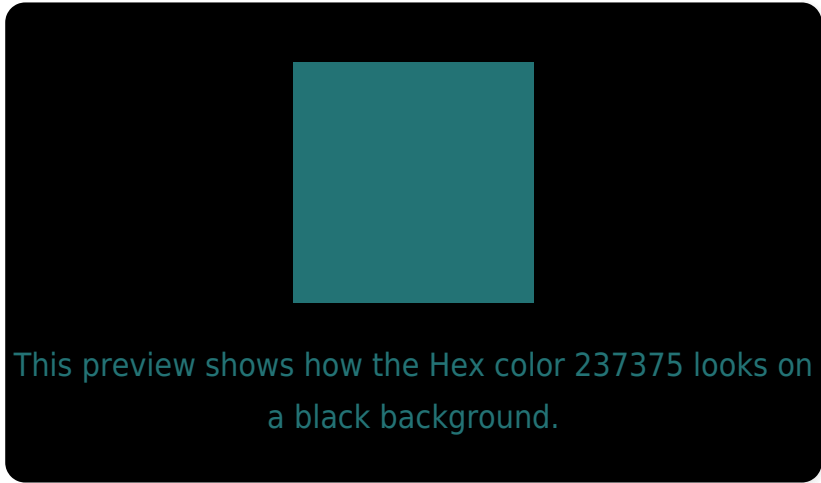
Large Text (above 18pt) WCAG AA ✓ Pass

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

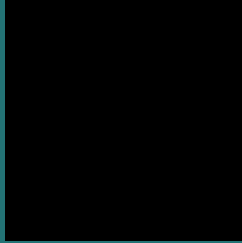
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 237375 Background



This preview shows how black text looks on a background with the Hex color 237375.

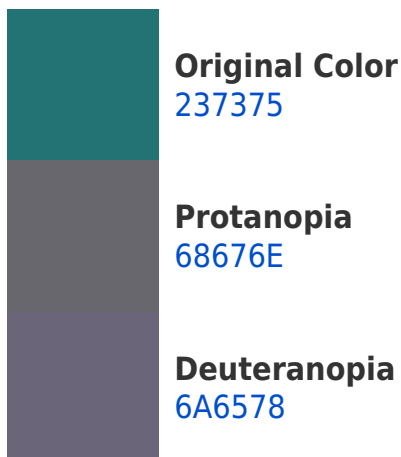


This preview shows how white text looks on a background with the Hex color 237375.

# 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**  
27727B

# Trichromacy



**Original Color**  
237375

**Protanomaly**  
4F6B71

**Deuteranomaly**  
506A77

**Tritanomaly**  
267279

# Monochromacy



**Original Color**  
237375

**Achromatopsia**  
5B5B5B

**Achromatomaly**  
476464

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 237375 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 #237375 looks like.

```
.text, #text, p{  
    color:#237375  
}
```

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 #237375 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #237375
}
```

## Border

The CSS property to change the border of an element to Hex 237375 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
#237375 }
```

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

```
.border{ border-color:#237375 }
```

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

Here you see how a box with a 4 pixel #237375 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #237375; -webkit-box-shadow:4px 4px  
4px 4px #237375; box-shadow:4px 4px 4px  
4px #237375 }
```

# Background

The CSS property to change the background color of an element to Hex 237375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#237375 }
```

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

```
.background{ background-color:#237375 }
```

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