

# Converting Colors

Hex(37375D)

Have a look what the booklet for  
Hex(37375D) contains.

<b>Hex(37375D)</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(37375D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	37375D
RGB	55, 55, 93
RGB Percent	22%, 22%, 36%
CMY	0.7843, 0.7843, 0.6353
CMYK	0.41, 0.41, 0.00, 0.64
HSL	240°, 26%, 29%
HSV	240°, 41%, 36%
XYZ	4.9175, 4.3349, 10.9335
YIQ	59.3320, -12.1980, 11.8180

# Conversions

## Conversions Part 2

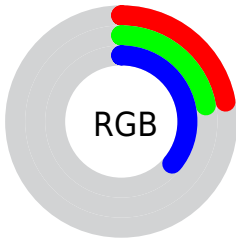
Format	Color
<a href="#">RYB</a>	<a href="#">55, 55, 93</a>
Decimal	<a href="#">3618653</a>
CIELab	<a href="#">24.75, 10.67, -22.70</a>
CIELCh	<a href="#">25, 25.085, 295.170</a>
Yxy	<a href="#">4.3349, 0.2436, 0.2147</a>
Android (android.graphics.Color)	<a href="#">4281808733 (0xFF37375D)</a>
YUV	<a href="#">59.3320, 16.5983, -3.7992</a>
Hunter-Lab	<a href="#">20.8205, 5.7236, -16.5607</a>

# Details

The Hex color **37375D** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **5D5D37**, and the grayscale version is **3B3B3B**.

A 20% lighter version of the original color is **686690**, and **0A0C2F** is the 20% darker color. If you saturate the color by 10%, you get **2E2E5D**, and if you desaturate by 10%, it is **40405D**.

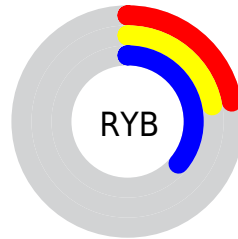
# Distribution



Red (22%)

Green (22%)

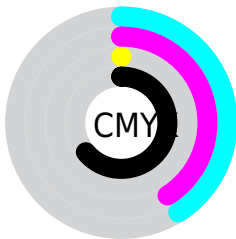
Blue (36%)



Red (22%)

Yellow (22%)

Blue (36%)

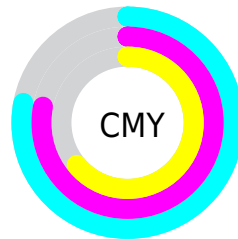


Cyan (41%)

Magenta (41%)

Yellow (0%)

Black (64%)



Cyan (78%)

Magenta (78%)

Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 37375D 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 37375D by changing the saturation by 10% instead.



■ 37375D

■ 37375D

FFFFFF

■ 202245

■ 686690

■ 0A0C2F

■ 817FAA

■ 00011A

■ 9C99C6

■ 000000

■ B7B3E2

■ D3CFFE

■ EFEBFF

■ 37375D

■ 37375D

■ 2E2E5D

■ 40405D

■ 24245D

■ 4A4A5D

■ 1B1B5D

■ 53535D

■ 12125D

■ 5C5C5D

■ 09095D

■ 66665D

■ 00005D

■ 6F6F5D

■ 78785D

■ 81815D

■ 8B8B5D

# Harmonies

## Analogous

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



0B3E60



37375D



4F3051

# Triad

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



37375D



56321C



004437

# Complementary

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



37375D



5D5D37

# 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.



1F4224



37375D



483914

# Square

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



37375D



5E2C2C



363E17



00444A

# Rectangle

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



37375D



592C45



363E17



044430



# Sweetspot

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



37375D



696978



375D5D



35353D



BDBDBD



3D3D3D



# Same Dimension

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



37375D



3D3D78



4A375D



29292E



00006E



0000ED



# Inverse Universe

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



5D375D



783D78



4A5D37



2E292E



6E006E



ED00ED



# Previews

## White Background



This preview shows how the Hex color 37375D looks on a white background.

## Color Contrast Check

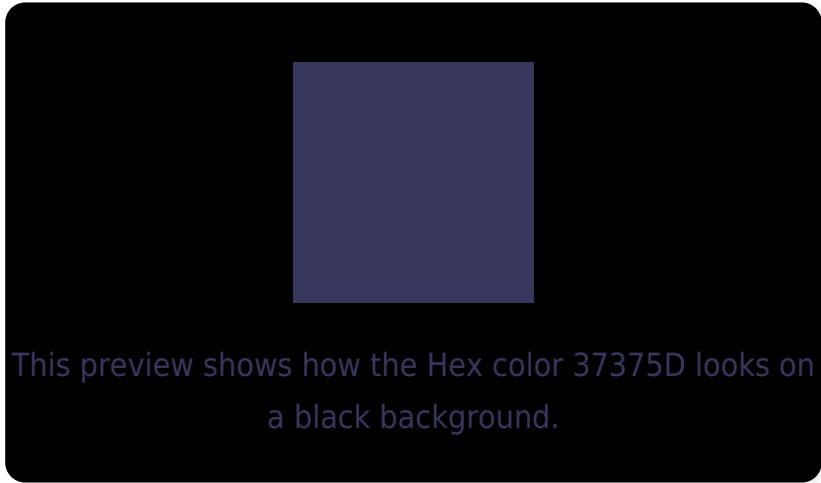
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

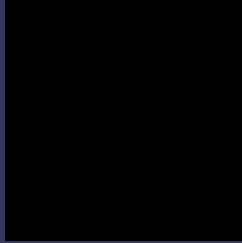
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 37375D Background



This preview shows how black text looks on a background with the Hex color 37375D.



This preview shows how white text looks on a background with the Hex color 37375D.

# 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**  
37375D

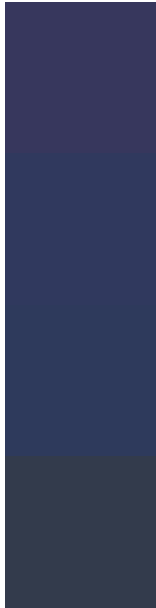
**Protanopia**  
2C3A5F

**Deuteranopia**  
293B5C



**Tritanopia**  
303D42

# Trichromacy



**Original Color**  
37375D

**Protanomaly**  
30395E

**Deuteranomaly**  
2E3A5C

**Tritanomaly**  
333B4C

# Monochromacy



**Original Color**  
37375D

**Achromatopsia**  
3B3B3B

**Achromatomaly**  
3A3A47

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 37375D 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 #37375D looks like.

```
.text, #text, p{  
    color:#37375D  
}
```

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 #37375D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #37375D
}
```

## Border

The CSS property to change the border of an element to Hex 37375D is called "border". The border property can be set on classes, ids or directly on the HTML element.

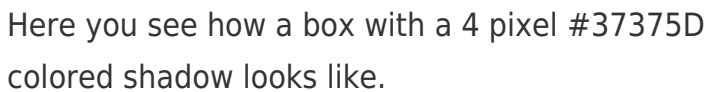
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#37375D }
```

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

```
.border{ border-color:#37375D }
```

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



Here you see how a box with a 4 pixel `#37375D` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #37375D; -webkit-box-shadow:4px 4px  
4px 4px #37375D; box-shadow:4px 4px 4px  
4px #37375D }
```

# Background

The CSS property to change the background color of an element to Hex 37375D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#37375D }
```

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

```
.background{ background-color:#37375D }
```

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