

# Converting Colors

Hex(3D3937)

Have a look what the booklet for  
Hex(3D3937) contains.

<b>Hex(3D3937)</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(3D3937)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3D3937
RGB	61, 57, 55
RGB Percent	24%, 22%, 22%
CMY	0.7608, 0.7765, 0.7843
CMYK	0.00, 0.07, 0.10, 0.76
HSL	20°, 5%, 23%
HSV	20°, 10%, 24%
XYZ	4.0772, 4.1942, 4.2091
YIQ	57.9680, 3.0260, 0.2260

# Conversions

## Conversions Part 2

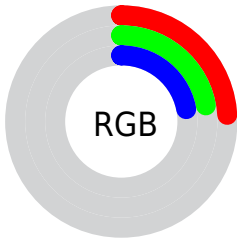
Format	Color
<a href="#">RYB</a>	<a href="#">61, 58, 55</a>
Decimal	<a href="#">4012343</a>
CIELab	<a href="#">24.30, 1.31, 1.86</a>
CIElCh	<a href="#">24, 2.277, 54.934</a>
Yxy	<a href="#">4.1942, 0.3267, 0.3361</a>
Android (android.graphics.Color)	<a href="#">4282202423 (0xFF3D3937)</a>
YUV	<a href="#">57.9680, -1.4632, 2.6591</a>
Hunter-Lab	<a href="#">20.4797, -0.3030, 2.1502</a>

# Details

The Hex color **3D3937** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **373B3D**, and the grayscale version is **3A3A3A**.

A 20% lighter version of the original color is **6C6866**, and **130E0B** is the 20% darker color. If you saturate the color by 10%, you get **3D3531**, and if you desaturate by 10%, it is **3D3D3D**.

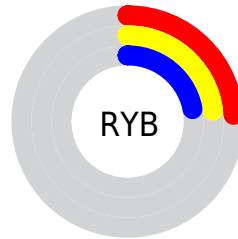
# Distribution



Red (24%)

Green (22%)

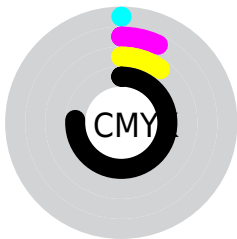
Blue (22%)



Red (24%)

Yellow (23%)

Blue (22%)

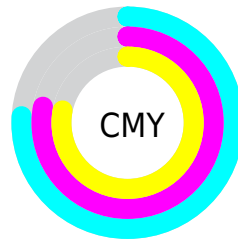


Cyan (0%)

Magenta (7%)

Yellow (10%)

Black (76%)



Cyan (76%)

Magenta (78%)

Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3D3937 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 3D3937 by changing the saturation by 10% instead.





3D3937



3D3937

FFFFFF



272422



6C6866



130E0B



86817F



000000



A09B99



BBB6B3



D6D1CF



F3EEEE



3D3937



3D3937



3D3531



3D3D3D

■ 3D312B

■ 3D4143

■ 3D2D25

■ 3D4549

■ 3D291F

■ 3D494F

■ 3D2519

■ 3D4D56

■ 3D2112

■ 3D515C

■ 3D1D0C

■ 3D5562

■ 3D1806

■ 3D5A68

■ 3D1400

■ 3D5E6E

# Harmonies

## Analogous

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



3E3938



3D3937



3C3A36

# Triad

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



3D3937



363B39



3A393D

# Complementary

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



3D3937



373B3D

# 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.



383A3D



3D3937



363B3B

# Square

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



3D3937



383B38



363A3C



3C393C

# Rectangle

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



3D3937



3A3A36



363A3C



393A3D



# Sweetspot

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



3D3937



4F4D4D



3D373B



292827



A8A8A8



292929



# Same Dimension

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



3D3937



4F4946



3D3C37



1F1D1C



5E1F00



DE4A00



# Inverse Universe

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



373B3D



464C4F



37383D



1C1E1F



003F5E



0094DE



# Previews

## White Background



This preview shows how the Hex color 3D3937 looks on a white background.

## Color Contrast Check

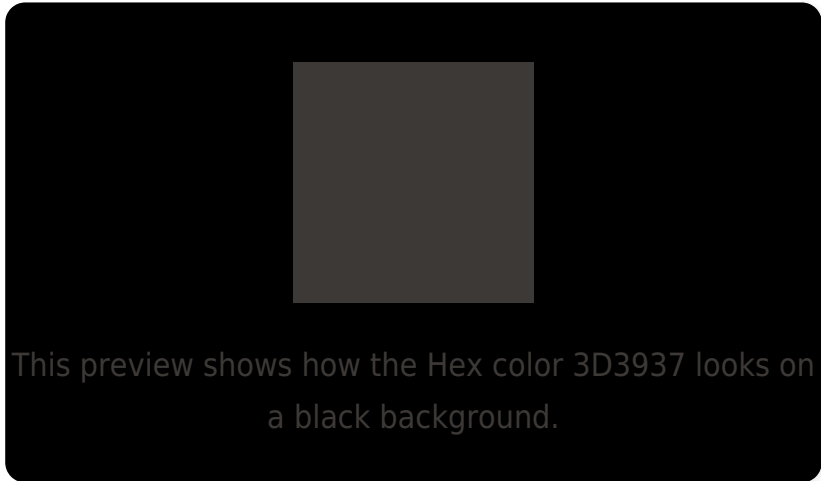
Large Text (above 18pt) WCAG AA ✓ Pass

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

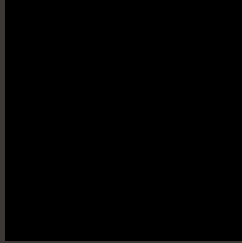
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

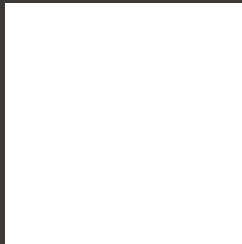
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 3D3937 Background



This preview shows how black text looks on a background with the Hex color 3D3937.

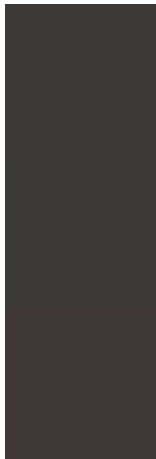


This preview shows how white text looks on a background with the Hex color 3D3937.

# 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**  
3D3937

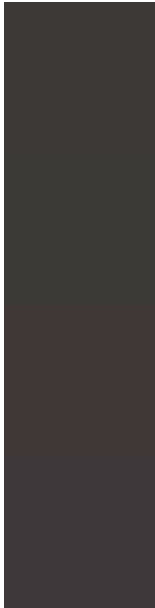
**Protanopia**  
3B3A37

**Deuteranopia**  
403837



**Tritanopia**  
3E383D

# Trichromacy



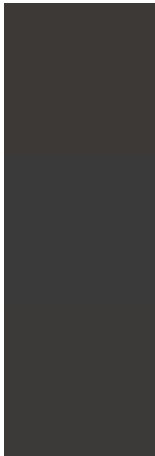
**Original Color**  
3D3937

**Protanomaly**  
3C3A37

**Deuteranomaly**  
3F3837

**Tritanomaly**  
3E383B

# Monochromacy



**Original Color**  
3D3937

**Achromatopsia**  
3A3A3A

**Achromatomaly**  
3B3A39

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3D3937 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 #3D3937 looks like.

```
.text, #text, p{  
    color:#3D3937  
}
```

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 #3D3937 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3D3937
}
```

## Border

The CSS property to change the border of an element to Hex 3D3937 is called "border". The border property can be set on classes, ids or directly on the HTML element.

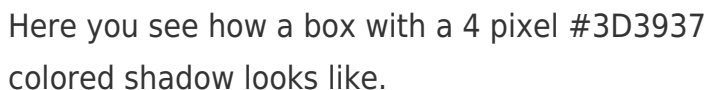
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#3D3937 }
```

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

```
.border{ border-color:#3D3937 }
```

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



Here you see how a box with a 4 pixel #3D3937 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3D3937; -webkit-box-shadow:4px 4px  
4px 4px #3D3937; box-shadow:4px 4px 4px  
4px #3D3937 }
```

# Background

The CSS property to change the background color of an element to Hex 3D3937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3D3937 }
```

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

```
.background{ background-color:#3D3937 }
```

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