

Converting Colors

Hex(003737)

Have a look what the booklet for
Hex(003737) contains.

Hex(003737)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(003737)

Conversions

Conversions Part 1

Format	Color
Hex	003737
RGB	0, 55, 55
RGB Percent	0%, 22%, 22%
CMY	1.0000, 0.7843, 0.7843
CMYK	1.00, 0.00, 0.00, 0.78
HSL	180°, 100%, 11%
HSV	180°, 100%, 22%
XYZ	2.0558, 3.0082, 4.0867
YIQ	38.5550, -32.7800, -11.6600

Conversions

Conversions Part 2

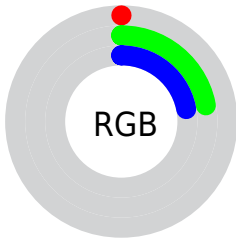
Format	Color
RYB	0, 28, 55
Decimal	14135
CIELab	20.08, -16.19, -4.76
CIELCh	20, 16.879, 196.386
Yxy	3.0082, 0.2247, 0.3287
Android (android.graphics.Color)	4278204215 (0xFF003737)
YUV	38.5550, 8.1074, -33.8127
Hunter-Lab	17.3442, -9.1951, -1.8292

Details

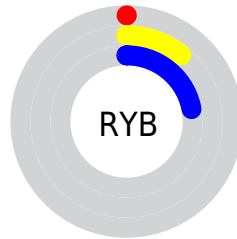
The Hex color **003737** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **370000**, and the grayscale version is **262626**.

A 20% lighter version of the original color is **376666**, and **000100** is the 20% darker color. If you saturate the color by 10%, you get **003737**, and if you desaturate by 10%, it is **053737**.

Distribution



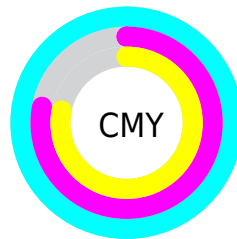
- Red (0%)
- Green (22%)
- Blue (22%)



- Red (0%)
- Yellow (11%)
- Blue (22%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (78%)



- Cyan (100%)
- Magenta (78%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Hex color 003737 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 003737 by changing the saturation by 10% instead.

 003737

 003737

 F3FFFF

 002122

 376666

 00010C

 507F7F

 000000

 699999

 84B4B3

 9ED0CF

 BAECEB

 D6FFFF

 003737

■ 053737

■ 0B3737

■ 113737

■ 163737

■ 1C3737

■ 213737

■ 273737

■ 2C3737

■ 323737

Harmonies

Analogous

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



13372A



003737



003642

Triad

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



003737



3A2B42



3D2E18

Complementary

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



003737



370000

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.



452A1F



003737



452737

Square

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



003737



292F48



48272A



323218

Rectangle

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



003737



0A3447



48272A



412C1A

Sweetspot

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



003737



324747



003700



172424



A3A3A3



242424

Same Dimension

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



003737



004747



001C37



191C1C



005C5C



00DBDB

Inverse Universe

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



370037



470047



371C00



1C191C



5C005C



DB00DB

Previews

White Background



This preview shows how the Hex color 003737 looks on a white background.

Color Contrast Check

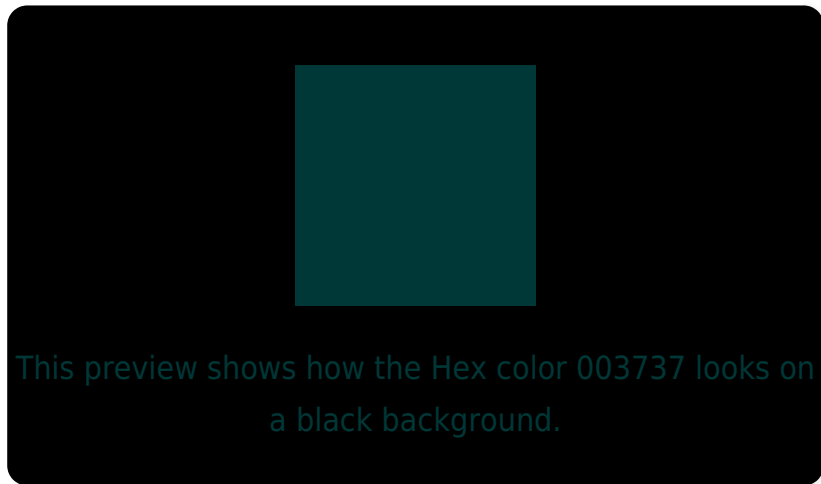
Large Text (above 18pt) WCAG AA ✓ Pass

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

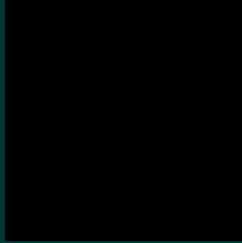
Any Text WCAG AA × Fail

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 003737 Background



This preview shows how black text looks on a background with the Hex color 003737.

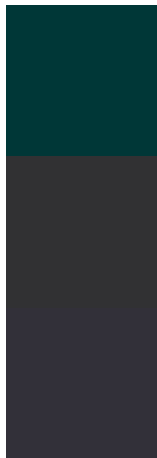


This preview shows how white text looks on a background with the Hex color 003737.

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
003737

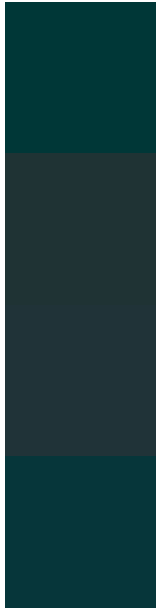
Protanopia
313133

Deuteranopia
323039



Tritanopia
0A363B

Trichromacy



Original Color
003737

Protanomaly
1F3334

Deuteranomaly
203338

Tritanomaly
06363A

Monochromacy



Original Color
003737

Achromatopsia
272727

Achromatomaly
192D2D

CSS Examples

Text

The CSS property to change the color of the text to Hex 003737 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 #003737 looks like.

```
.text, #text, p{  
  color:#003737  
}
```

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 #003737 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #003737
}
```

Border

The CSS property to change the border of an element to Hex 003737 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
#003737 }
```

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

```
.border{ border-color:#003737 }
```

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

Here you see how a box with a 4 pixel #003737 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #003737; -webkit-box-shadow:4px 4px  
4px 4px #003737; box-shadow:4px 4px 4px  
4px #003737 }
```

Background

The CSS property to change the background color of an element to Hex 003737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#003737 }
```

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

```
.background{ background-color:#003737 }
```

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