

# Converting Colors

Hex(233733)

Have a look what the booklet for  
Hex(233733) contains.

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# Color

Hex(233733)

# Conversions

## Conversions Part 1

Format	Color
Hex	233733
RGB	35, 55, 51
RGB Percent	14%, 22%, 20%
CMY	0.8627, 0.7843, 0.8000
CMYK	0.36, 0.00, 0.07, 0.78
HSL	168°, 22%, 18%
HSV	168°, 36%, 22%
XYZ	2.6569, 3.3287, 3.6344
YIQ	48.5640, -10.6360, -5.4840

# Conversions

## Conversions Part 2

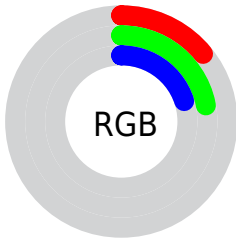
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	35, 46, 55
Decimal	2307891
CIE Lab	21.32, -9.10, -0.06
CIE LCh	21, 9.096, 180.374
Yxy	3.3287, 0.2762, 0.3460
Android (android.graphics.Color)	4280497971 (0xFF233733)
YUV	48.5640, 1.2009, -11.8956
Hunter-Lab	18.2448, -5.9346, 0.9605

# Details

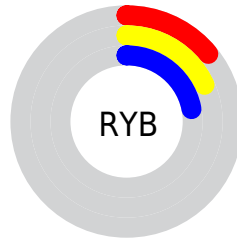
The Hex color **233733** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **372327**, and the grayscale version is **313131**.

A 20% lighter version of the original color is **506661**, and **000905** is the 20% darker color. If you saturate the color by 10%, you get **1E3732**, and if you desaturate by 10%, it is **293734**.

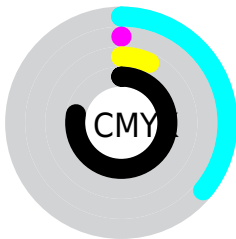
# Distribution



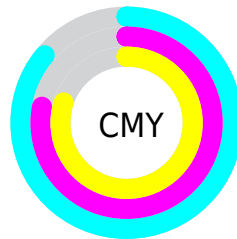
- Red (14%)
- Green (22%)
- Blue (20%)



- Red (14%)
- Yellow (18%)
- Blue (22%)



- Cyan (36%)
- Magenta (0%)
- Yellow (7%)
- Black (78%)



- Cyan (86%)
- Magenta (78%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 233733 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 233733 by changing the saturation by 10% instead.



■ 233733

■ 233733

FFFFFF

■ 0E221E

■ 506661

■ 000905

■ 697F7A

■ 000000

■ 829994

■ 9CB4AE

■ B7CFCA

■ D3EBE6

■ EFFFFFF

■ 233733

■ 233733

■ 1E3732

■ 293734

■ 183731

■ 2E3735

■ 133730

■ 343736

■ 0D372F

■ 393737

■ 08372D

■ 3F3739

■ 02372C

■ 44373A

■ 00372C

■ 4A373B

■ 4F373C

■ 55373D

# Harmonies

## Analogous

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



29362C



233733



21373A

# Triad

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



233733



34313F



3E3128

# Complementary

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



233733



372327

# 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.



412F2D



233733



3C2F3A

# Square

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



233733



2B3440



402E33



383326

# Rectangle

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



233733



22363D



402E33



3F3029



# Sweetspot

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



233733



404746



273723



1F2423



A3A3A3



242424



# Same Dimension

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



233733



284741



233137



191C1B



005C49



00DBAF



# Inverse Universe

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



372327



47282E



372923



1C191A



5C0012

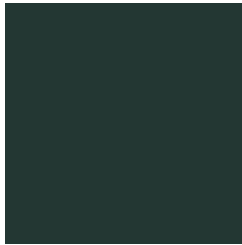


DB002C



# Previews

## White Background



This preview shows how the Hex color 233733 looks on a white background.

## Color Contrast Check

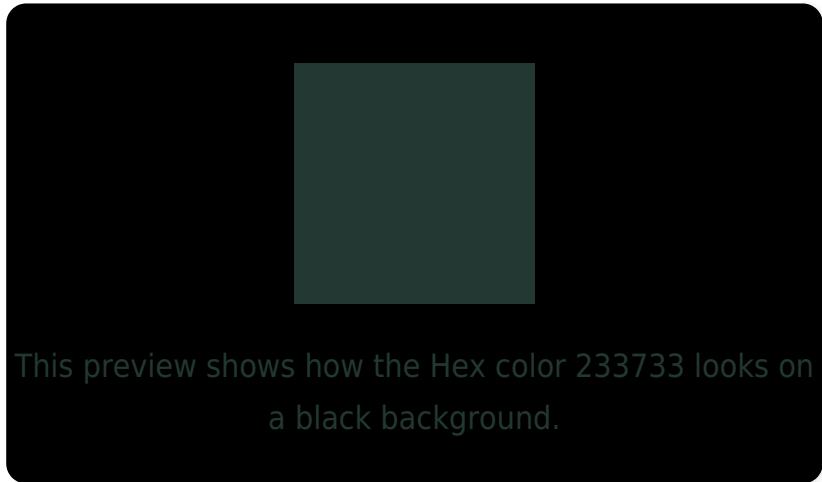
Large Text (above 18pt) WCAG AA ✓ Pass

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

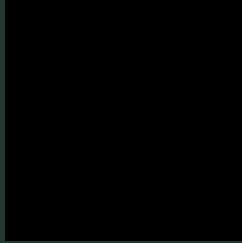
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 233733 Background



This preview shows how black text looks on a background with the Hex color 233733.



This preview shows how white text looks on a background with the Hex color 233733.

# 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](#).

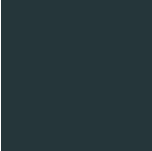
## Dichromacy



**Original Color**  
233733

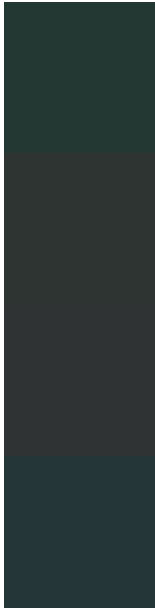
**Protanopia**  
353331

**Deuteranopia**  
373134



**Tritanopia**  
25363A

# Trichromacy



**Original Color**  
233733

**Protanomaly**  
2E3432

**Deuteranomaly**  
303334

**Tritanomaly**  
243637

# Monochromacy



**Original Color**  
233733

**Achromatopsia**  
313131

**Achromatomaly**  
2C3332

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 233733 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 #233733 looks like.

```
.text, #text, p{  
    color:#233733  
}
```

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 #233733 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #233733
}
```

## Border

The CSS property to change the border of an element to Hex 233733 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
#233733 }
```

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

```
.border{ border-color:#233733 }
```

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

Here you see how a box with a 4 pixel #233733 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #233733; -webkit-box-shadow:4px 4px  
4px 4px #233733; box-shadow:4px 4px 4px  
4px #233733 }
```

# Background

The CSS property to change the background color of an element to Hex 233733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#233733 }
```

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

```
.background{ background-color:#233733 }
```

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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