

Converting Colors

Hex(002237)

Have a look what the booklet for
Hex(002237) contains.

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Color

Hex(002237)

Conversions

Conversions Part 1

Format	Color
Hex	002237
RGB	0, 34, 55
RGB Percent	0%, 13%, 22%
CMY	1.0000, 0.8667, 0.7843
CMYK	1.00, 0.38, 0.00, 0.78
HSL	203°, 100%, 11%
HSV	203°, 100%, 22%
XYZ	1.2616, 1.4199, 3.8220
YIQ	26.2280, -27.0050, -0.6770

Conversions

Conversions Part 2

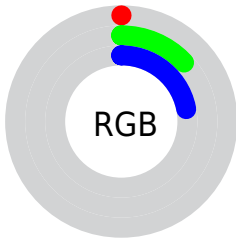
Format	Color
RYB	0, 21, 55
Decimal	8759
CIELab	12.09, -2.69, -17.05
CIELCh	12, 17.265, 261.039
Yxy	1.4199, 0.1940, 0.2183
Android (android.graphics.Color)	4278198839 (0xFF002237)
YUV	26.2280, 14.1846, -23.0020
Hunter-Lab	11.9159, -1.9539, -10.6760

Details

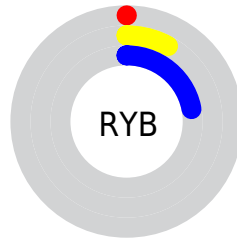
The Hex color **002237** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **371500**, and the grayscale version is **1A1A1A**.

A 20% lighter version of the original color is **334E66**, and **000008** is the 20% darker color. If you saturate the color by 10%, you get **002237**, and if you desaturate by 10%, it is **052437**.

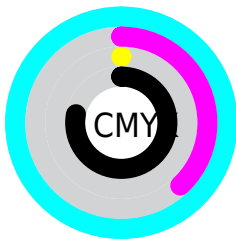
Distribution



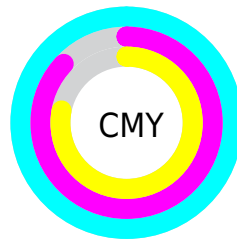
- Red (0%)
- Green (13%)
- Blue (22%)



- Red (0%)
- Yellow (8%)
- Blue (22%)



- Cyan (100%)
- Magenta (38%)
- Yellow (0%)
- Black (78%)



- Cyan (100%)
- Magenta (87%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Hex color 002237 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 002237 by changing the saturation by 10% instead.

 002237

 002237

 EDFFFF

 000B22

 334E66

 000008

 4C667F

 000000

 657F99

 7F99B4

 99B4CF

 B5CFEC

 D1EBFF

 002237

■ 052437

■ 0B2637

■ 112837

■ 162A37

■ 1C2D37

■ 212F37

■ 273137

■ 2C3337

■ 323537

Harmonies

Analogous

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



002532



002237



1B1E36

Triad

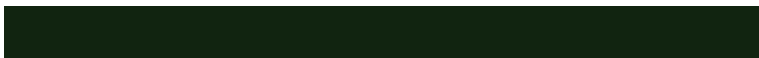
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



002237



361618



112410

Complementary

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



002237



371500

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.



1F2204



002237



32190C

Square

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



002237



341624



2A1E02



00251C

Rectangle

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



002237



261B32



2A1E02



16230B

Sweetspot

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



002237



323F47



003714



171F24



A3A3A3



242424

Same Dimension

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



002237



002C47



000737



191B1C



00395C



0088DB

Inverse Universe

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



370022



47002C



373000



1C191B



5C0039



DB0088

Previews

White Background



This preview shows how the Hex color 002237 looks on a white background.

Color Contrast Check

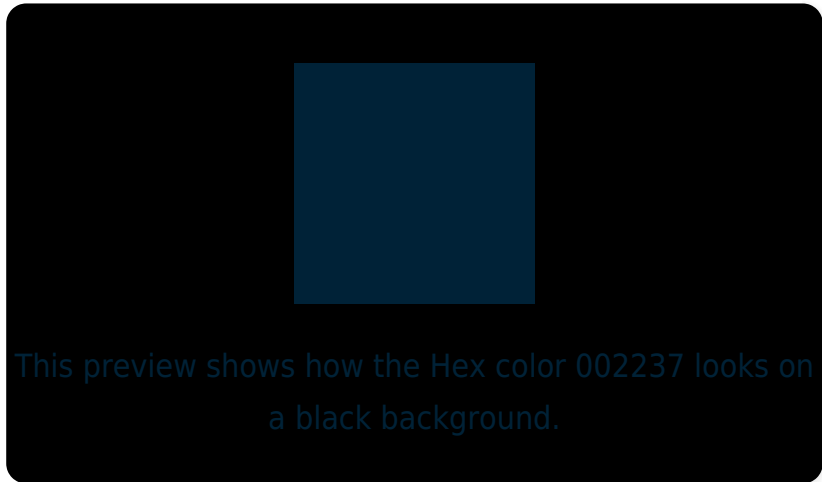
Large Text (above 18pt) WCAG AA ✓ Pass

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

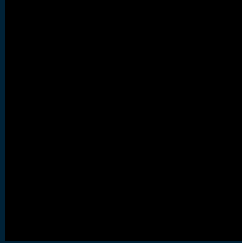
Any Text WCAG AA × Fail

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 002237 Background



This preview shows how black text looks on a background with the Hex color 002237.



This preview shows how white text looks on a background with the Hex color 002237.

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
002237

Protanopia
182035

Deuteranopia
112137

Trichromacy



Original Color
002237

Protanomaly
0F2136

Deuteranomaly
0B2137

Tritanomaly
00232D

Monochromacy



Original Color
002237

Achromatopsia
1A1A1A

Achromatomaly
111D25

CSS Examples

Text

The CSS property to change the color of the text to Hex 002237 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 #002237 looks like.

```
.text, #text, p{  
    color:#002237  
}
```

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 #002237 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #002237
}
```

Border

The CSS property to change the border of an element to Hex 002237 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
#002237 }
```

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

```
.border{ border-color:#002237 }
```

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

Here you see how a box with a 4 pixel #002237 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #002237; -webkit-box-shadow:4px 4px  
4px 4px #002237; box-shadow:4px 4px 4px  
4px #002237 }
```

Background

The CSS property to change the background color of an element to Hex 002237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#002237 }
```

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

```
.background{ background-color:#002237 }
```

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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