

Converting Colors

Hex(002233)

Have a look what the booklet for
Hex(002233) contains.

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Color

Hex(002233)

Conversions

Conversions Part 1

Format	Color
Hex	002233
RGB	0, 34, 51
RGB Percent	0%, 13%, 20%
CMY	1.0000, 0.8667, 0.8000
CMYK	1.00, 0.33, 0.00, 0.80
HSL	200°, 100%, 10%
HSV	200°, 100%, 20%
XYZ	1.1696, 1.3831, 3.3373
YIQ	25.7720, -25.7210, -1.9210

Conversions

Conversions Part 2

Format	Color
RYB	0, 20, 51
Decimal	8755
CIELab	11.84, -4.59, -14.58
CIELCh	12, 15.287, 252.543
Yxy	1.3831, 0.1986, 0.2348
Android (android.graphics.Color)	4278198835 (0xFF002233)
YUV	25.7720, 12.4374, -22.6020
Hunter-Lab	11.7604, -2.8289, -8.5926

Details

The Hex color **002233** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **331100**, and the grayscale version is **1A1A1A**.

A 20% lighter version of the original color is **324E61**, and **000001** is the 20% darker color. If you saturate the color by 10%, you get **002233**, and if you desaturate by 10%, it is **052433**.

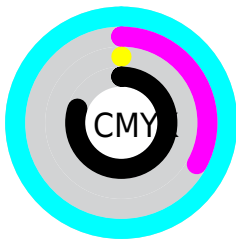
Distribution



- Red (0%)
- Green (13%)
- Blue (20%)



- Red (0%)
- Yellow (8%)
- Blue (20%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (80%)



- Cyan (100%)
- Magenta (87%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Hex color 002233 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 002233 by changing the saturation by 10% instead.

 002233

 002233

 EBFFFF

 000C1E

 324E61

 000001

 4A667A

 000000

 637F94

 7D99AF

 97B4CA

 B3CFE6

 CEEBFF

 002233

■ 052433

■ 0A2533

■ 0F2733

■ 142933

■ 1A2B33

■ 1F2C33

■ 242E33

■ 293033

■ 2E3133

Harmonies

Analogous

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



00242D



002233



161F34

Triad

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



002233



33171B



16230E

Complementary

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



002233



331100

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.



222006



002233



311911

Square

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



002233



2F1726



2B1C08



072419

Rectangle

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



002233



211C31



2B1C08



1A220B

Sweetspot

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



002233



2E3C42



003311



151D21



A1A1A1



212121

Same Dimension

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



002233



002C42



000933



17191A



003B59



0090D9

Inverse Universe

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



330022



42002C



332B00



1A1719



59003B



D90090

Previews

White Background



This preview shows how the Hex color 002233 looks on a white background.

Color Contrast Check

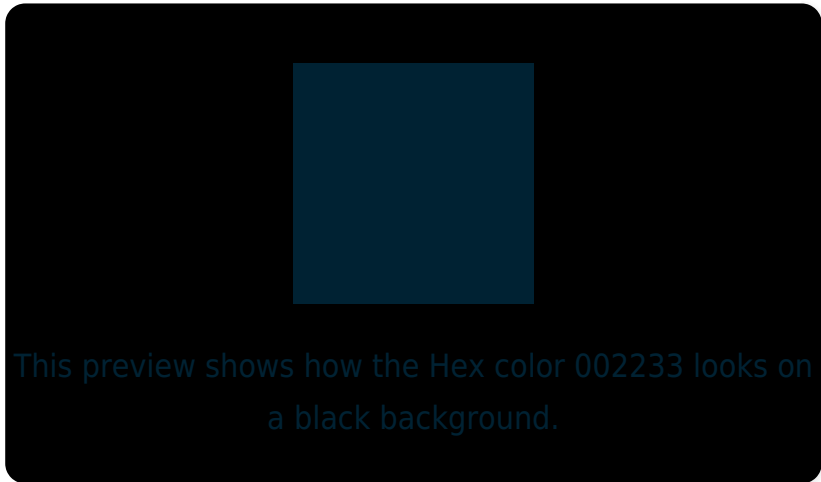
Large Text (above 18pt) WCAG AA ✓ Pass

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

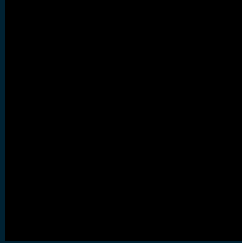
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

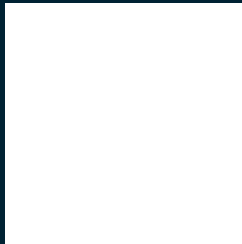
Any Text WCAG AAA × Fail

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

Hex 002233 Background



This preview shows how black text looks on a background with the Hex color 002233.



This preview shows how white text looks on a background with the Hex color 002233.

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
002233

Protanopia
1A2031

Deuteranopia
152033

Trichromacy



Original Color
002233

Protanomaly
112132

Deuteranomaly
0D2133

Tritanomaly
00232B

Monochromacy



Original Color
002233

Achromatopsia
1A1A1A

Achromatomaly
111D23

CSS Examples

Text

The CSS property to change the color of the text to Hex 002233 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 #002233 looks like.

```
.text, #text, p{  
    color:#002233  
}
```

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 #002233 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #002233
}
```

Border

The CSS property to change the border of an element to Hex 002233 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
#002233 }
```

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

```
.border{ border-color:#002233 }
```

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

Here you see how a box with a 4 pixel #002233 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #002233; -webkit-box-shadow:4px 4px  
4px 4px #002233; box-shadow:4px 4px 4px  
4px #002233 }
```

Background

The CSS property to change the background color of an element to Hex 002233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#002233 }
```

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

```
.background{ background-color:#002233 }
```

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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