

# Converting Colors

Hex(002432)

Have a look what the booklet for  
Hex(002432) contains.

<b>Hex(002432)</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(002432)

# Conversions

## Conversions Part 1

Format	Color
Hex	002432
RGB	0, 36, 50
RGB Percent	0%, 14%, 20%
CMY	1.0000, 0.8588, 0.8039
CMYK	1.00, 0.28, 0.00, 0.80
HSL	197°, 100%, 10%
HSV	197°, 100%, 20%
XYZ	1.2066, 1.4920, 3.2420
YIQ	26.8320, -25.9500, -3.2780

# Conversions

## Conversions Part 2

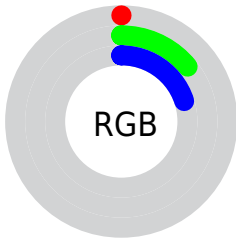
Format	Color
<a href="#">RYB</a>	<a href="#">0, 21, 50</a>
Decimal	<a href="#">9266</a>
CIELab	<a href="#">12.56, -6.45, -12.75</a>
CIELCh	<a href="#">13, 14.292, 243.160</a>
Yxy	<a href="#">1.4920, 0.2031, 0.2512</a>
Android (android.graphics.Color)	<a href="#">4278199346 (0xFF002432)</a>
YUV	<a href="#">26.8320, 11.4218, -23.5317</a>
Hunter-Lab	<a href="#">12.2149, -3.7437, -7.1860</a>

# Details

The Hex color **002432** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **320E00**, and the grayscale version is **1B1B1B**.

A 20% lighter version of the original color is **325060**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **002432**, and if you desaturate by 10%, it is **052532**.

# Distribution



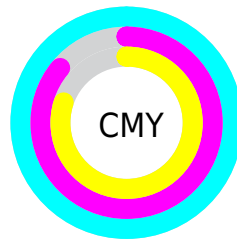
- Red (0%)
- Green (14%)
- Blue (20%)



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



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (80%)



- Cyan (100%)
- Magenta (86%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 002432 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 002432 by changing the saturation by 10% instead.



 002432

 002432

 EBFFFF

 000F1D

 325060

 000000

 4A6979

 638293

 7D9CAD

 97B7C9

 B2D2E5

 CEEEFF

 002432

■ 052532

■ 0A2732

■ 0F2832

■ 142A32

■ 192B32

■ 1E2C32

■ 232E32

■ 282F32

■ 2D3132

# Harmonies

## Analogous

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



00252B



002432



132134

# Triad

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



002432



331920



1C230F

# Complementary

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



002432



320E00

# 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.



26200A



002432



331A16

# Square

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



002432



2E1A2A



2E1D0E



0F2517

# Rectangle

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



002432



1E1F33



2E1D0E



1F220D



# Sweetspot

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



002432



2D3A40



00320D



151E21



A1A1A1



212121



# Same Dimension

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



002432



002E40



000C32



17191A



004059



009CD9



# Inverse Universe

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



320024



40002E



322600



1A1719



590040



D9009C



# Previews

## White Background



This preview shows how the Hex color 002432 looks on a white background.

## Color Contrast Check

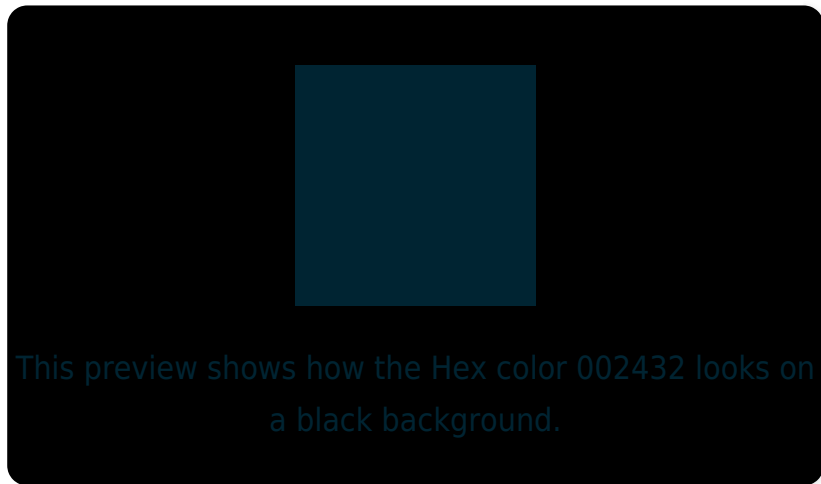
Large Text (above 18pt) WCAG AA ✓ Pass

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

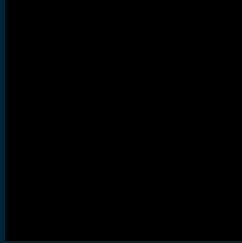
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

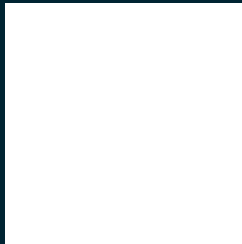
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 002432 Background



This preview shows how black text looks on a background with the Hex color 002432.



This preview shows how white text looks on a background with the Hex color 002432.

# 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**  
002432

**Protanopia**  
1D2130

**Deuteranopia**  
192133



# Trichromacy



**Original Color**  
002432

**Protanomaly**  
122231

**Deuteranomaly**  
102233

**Tritanomaly**  
00252C

# Monochromacy



**Original Color**  
002432

**Achromatopsia**  
1B1B1B

**Achromatomaly**  
111E23

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 002432 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 #002432 looks like.

```
.text, #text, p{  
    color:#002432  
}
```

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 #002432 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #002432
}
```

## Border

The CSS property to change the border of an element to Hex 002432 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
#002432 }
```

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

```
.border{ border-color:#002432 }
```

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

Here you see how a box with a 4 pixel #002432 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #002432; -webkit-box-shadow:4px 4px  
4px 4px #002432; box-shadow:4px 4px 4px  
4px #002432 }
```

# Background

The CSS property to change the background color of an element to Hex 002432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#002432 }
```

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

```
.background{ background-color:#002432 }
```

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