

# Converting Colors

Hex(002E83)

Have a look what the booklet for  
Hex(002E83) contains.

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# Color

**Hex(002E83)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	002E83
RGB	0, 46, 131
RGB Percent	0%, 18%, 51%
CMY	1.0000, 0.8196, 0.4863
CMYK	1.00, 0.65, 0.00, 0.49
HSL	219°, 100%, 26%
HSV	219°, 100%, 51%
XYZ	5.0737, 3.5927, 21.8988
YIQ	41.9360, -54.7010, 16.6830

# Conversions

## Conversions Part 2

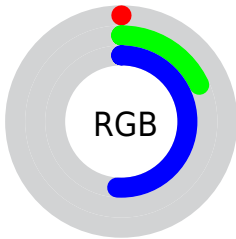
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 34, 131
Decimal	11907
CIELab	22.28, 23.28, -51.19
CIELCh	22, 56.230, 294.456
Yxy	3.5927, 0.1660, 0.1175
Android (android.graphics.Color)	4278201987 (0xFF002E83)
YUV	41.9360, 43.9086, -36.7779
Hunter-Lab	18.9544, 14.6109, -55.2321

# Details

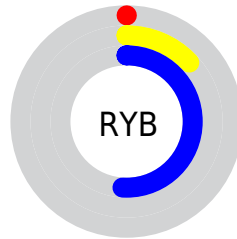
The Hex color **002E83** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **835500**, and the grayscale version is **2A2A2A**.

A 20% lighter version of the original color is **4F5BB9**, and **000051** is the 20% darker color. If you saturate the color by 10%, you get **002E83**, and if you desaturate by 10%, it is **0D3683**.

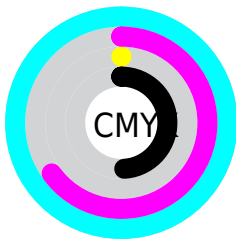
# Distribution



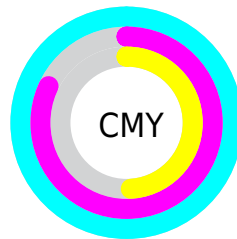
- Red (0%)
- Green (18%)
- Blue (51%)



- Red (0%)
- Yellow (13%)
- Blue (51%)



- Cyan (100%)
- Magenta (65%)
- Yellow (0%)
- Black (49%)



- Cyan (100%)
- Magenta (82%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 002E83 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 002E83 by changing the saturation by 10% instead.



■ 002E83

■ 002E83

FFFFFF

■ 001A69

■ 4F5BB9

■ 000051

■ 6C74D5

■ 000539

■ 888DF2

■ 000222

■ A5A8FF

■ 000008

■ C1C3FF

■ 000000

■ DFDFFF

■ FCFBFF

■ 002E83

■ 0D3683

■ 1A3F83

■ 274783

■ 345083

■ 425883

■ 4F6183

■ 5C6983

■ 697283

■ 767A83

# Harmonies

## Analogous

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



003E8A



002E83



5D0D67

# Triad

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



002E83



671A00



00452C

# Complementary

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



002E83



835000

# 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.



004200



002E83



493100

# Square

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



002E83



780016



213D00



004657

# Rectangle

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



002E83



72004D



213D00



00441D



# Sweetspot

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



002E83



788AAB



008353



374257



D6D6D6



575757



# Same Dimension

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



002E83



003CAB



110083



3C3E42



002E82



000103



# Inverse Universe

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



83002E



AB003C



728300



423C3E



82002E



030001



# Previews

## White Background



This preview shows how the Hex color 002E83 looks on a white background.

## Color Contrast Check

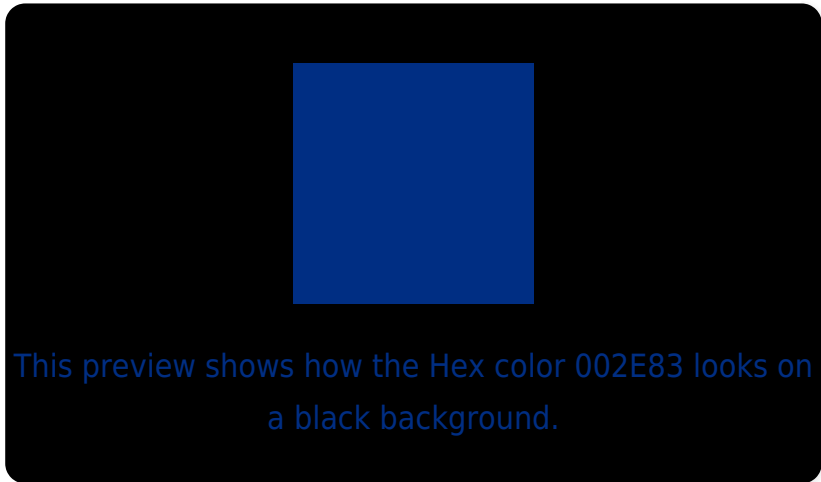
Large Text (above 18pt) WCAG AA ✓ Pass

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 002E83 Background



This preview shows how black text looks on a background with the Hex color 002E83.

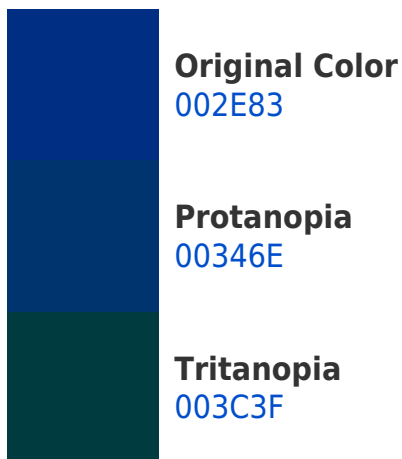


This preview shows how white text looks on a background with the Hex color 002E83.

# 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



# Trichromacy



**Original Color**  
002E83

**Protanomaly**  
003276

**Tritanomaly**  
003758

# Monochromacy



**Original Color**  
002E83

**Achromatopsia**  
2A2A2A

**Achromatomaly**  
1B2B4A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 002E83 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 #002E83 looks like.

```
.text, #text, p{  
    color:#002E83  
}
```

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 #002E83 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #002E83
}
```

## Border

The CSS property to change the border of an element to Hex 002E83 is called "border". The border property can be set on classes, ids or directly on the HTML element.

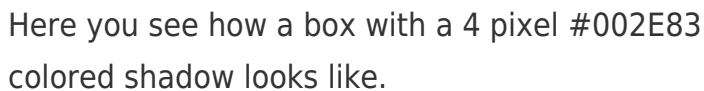
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#002E83 }
```

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

```
.border{ border-color:#002E83 }
```

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



Here you see how a box with a 4 pixel #002E83 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #002E83; -webkit-box-shadow:4px 4px  
4px 4px #002E83; box-shadow:4px 4px 4px  
4px #002E83 }
```

# Background

The CSS property to change the background color of an element to Hex 002E83 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#002E83 }
```

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

```
.background{ background-color:#002E83 }
```

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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