

# Converting Colors

Hex(001E7D)

Have a look what the booklet for  
Hex(001E7D) contains.

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# Color

**Hex(001E7D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	001E7D
RGB	0, 30, 125
RGB Percent	0%, 12%, 49%
CMY	1.0000, 0.8824, 0.5098
CMYK	1.00, 0.76, 0.00, 0.51
HSL	226°, 100%, 25%
HSV	226°, 100%, 49%
XYZ	4.1659, 2.4092, 19.6475
YIQ	31.8600, -48.3750, 23.1850

# Conversions

## Conversions Part 2

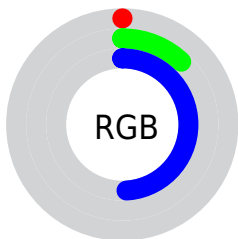
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 24, 125
Decimal	7805
CIELab	17.50, 31.88, -55.25
CIELCh	18, 63.792, 299.985
Yxy	2.4092, 0.1589, 0.0919
Android (android.graphics.Color)	4278197885 (0xFF001E7D)
YUV	31.8600, 45.9180, -27.9412
Hunter-Lab	15.5216, 20.7458, -64.1849

# Details

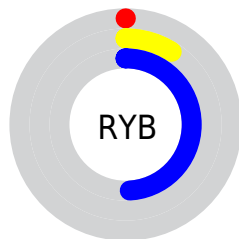
The Hex color **001E7D** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **7D5F00**, and the grayscale version is **1F1F1F**.

A 20% lighter version of the original color is **4E4AB3**, and **00004B** is the 20% darker color. If you saturate the color by 10%, you get **001E7D**, and if you desaturate by 10%, it is **0C277D**.

# Distribution



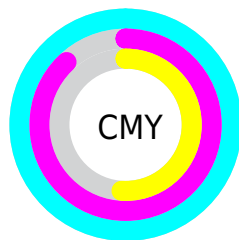
- Red (0%)
- Green (12%)
- Blue (49%)



- Red (0%)
- Yellow (9%)
- Blue (49%)



- Cyan (100%)
- Magenta (76%)
- Yellow (0%)
- Black (51%)



- Cyan (100%)
- Magenta (88%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 001E7D 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 001E7D by changing the saturation by 10% instead.



■ 001E7D

■ 001E7D

FFFFFF

■ 000A63

■ 4E4AB3

■ 00004B

■ 6B62CF

■ 000433

■ 887BEB

■ 00021D

■ A495FF

■ 000000

■ C1B0FF

■ DECBFF

■ FCE8FF

■ 001E7D

■ 0C277D

■ 19317D

■ 263A7D

■ 32447D

■ 3F4D7D

■ 4B577D

■ 57607D

■ 646A7D

■ 71737D

# Harmonies

## Analogous

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



00338A



001E7D



5D005A

# Triad

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



001E7D



580F00



003B2A

# Complementary

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



001E7D



7D5F00

# 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.



003900



001E7D



362A00

# Square

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



001E7D



6F0000



003400



003C59

# Rectangle

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



001E7D



6F003C



003400



003A19



# Sweetspot

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



001E7D



727EA3



007D5E



343B52



D1D1D1



525252



# Same Dimension

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



001E7D



0027A3



1F007D



393B40



001F80



000000



# Inverse Universe

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



7D001E



A30027



5E7D00



40393B



80001F



000000



# Previews

## White Background



This preview shows how the Hex color 001E7D looks on a white background.

## Color Contrast Check

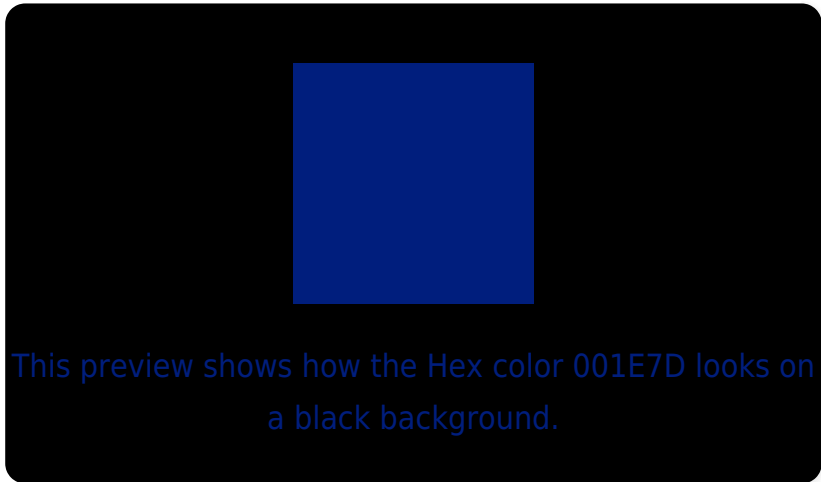
Large Text (above 18pt) WCAG AA ✓ Pass

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

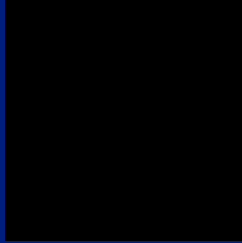
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 001E7D Background



This preview shows how black text looks on a background with the Hex color 001E7D.



This preview shows how white text looks on a background with the Hex color 001E7D.

# 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**  
001E7D

**Protanopia**  
002B5A

**Deuteranopia**  
002E4D



# Trichromacy



**Original Color**  
001E7D

**Protanomaly**  
002667

**Deuteranomaly**  
00285E

**Tritanomaly**  
002A4F

# Monochromacy



**Original Color**  
001E7D

**Achromatopsia**  
202020

**Achromatomaly**  
141F42

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 001E7D 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 #001E7D looks like.

```
.text, #text, p{  
    color:#001E7D  
}
```

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 #001E7D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #001E7D
}
```

## Border

The CSS property to change the border of an element to Hex 001E7D 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
#001E7D }
```

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

```
.border{ border-color:#001E7D }
```

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

Here you see how a box with a 4 pixel #001E7D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #001E7D; -webkit-box-shadow:4px 4px  
4px 4px #001E7D; box-shadow:4px 4px 4px  
4px #001E7D }
```

# Background

The CSS property to change the background color of an element to Hex 001E7D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#001E7D }
```

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

```
.background{ background-color:#001E7D }
```

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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