

# Converting Colors

Hex(00008E)

Have a look what the booklet for  
Hex(00008E) contains.

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# Color

**Hex(00008E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00008E
RGB	0, 0, 142
RGB Percent	0%, 0%, 56%
CMY	1.0000, 1.0000, 0.4431
CMYK	1.00, 1.00, 0.00, 0.44
HSL	240°, 100%, 28%
HSV	240°, 100%, 56%
XYZ	4.8825, 1.9530, 25.7108
YIQ	16.1880, -45.5820, 44.1620

# Conversions

## Conversions Part 2

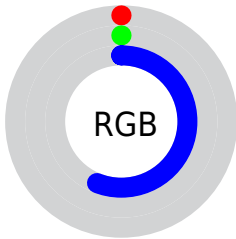
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 0, 142
Decimal	142
CIELab	15.24, 51.22, -69.76
CIELCh	15, 86.542, 306.287
Yxy	1.9530, 0.1500, 0.0600
Android (android.graphics.Color)	4278190222 (0xFF00008E)
YUV	16.1880, 62.0253, -14.1969
Hunter-Lab	13.9750, 37.9071, -99.2980

# Details

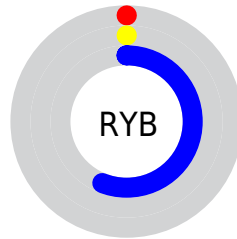
The Hex color **00008E** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **8E8E00**, and the grayscale version is **101010**.

A 20% lighter version of the original color is **5735C5**, and **00005A** is the 20% darker color. If you saturate the color by 10%, you get **00008E**, and if you desaturate by 10%, it is **0E0E8E**.

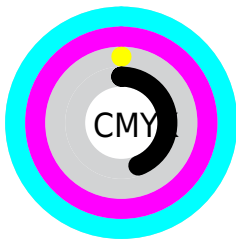
# Distribution



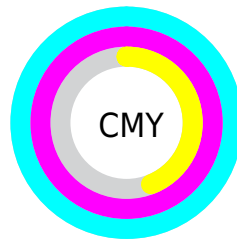
- Red (0%)
- Green (0%)
- Blue (56%)



- Red (0%)
- Yellow (0%)
- Blue (56%)



- Cyan (100%)
- Magenta (100%)
- Yellow (0%)
- Black (44%)



- Cyan (100%)
- Magenta (100%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00008E 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 00008E by changing the saturation by 10% instead.



 00008E

 00008E


 FFF0FF

 000074

 5735C5

 00005A

 754EE2

 000741

 9367FF

 00032A

 B181FF

 000115

 CF9CFF

 000000

 EDB7FF

 FFD3FF

 00008E

■ 0E0E8E

■ 1C1C8E

■ 2B2B8E

■ 39398E

■ 47478E

■ 55558E

■ 63638E

■ 72728E

■ 80808E

# Harmonies

## Analogous

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



0030A8



00008E



710059

# Triad

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



00008E



550300



003733

# Complementary

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



00008E



8E8E00

# 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.



003600



00008E



252900

# Square

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



00008E



760000



003300



003B70

# Rectangle

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



00008E



820031



003300



00361D



# Sweetspot

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



00008E



8181B8



008E8E



3B3B5C



DBDBDB



5C5C5C



# Same Dimension

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



00008E



0000B8



47008E



404047



000087



000008



# Inverse Universe

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



8E008E



B800B8



478E00



474047



870087

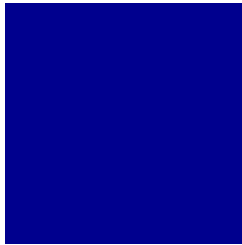


080008



# Previews

## White Background



This preview shows how the Hex color 00008E looks on a white background.

## Color Contrast Check

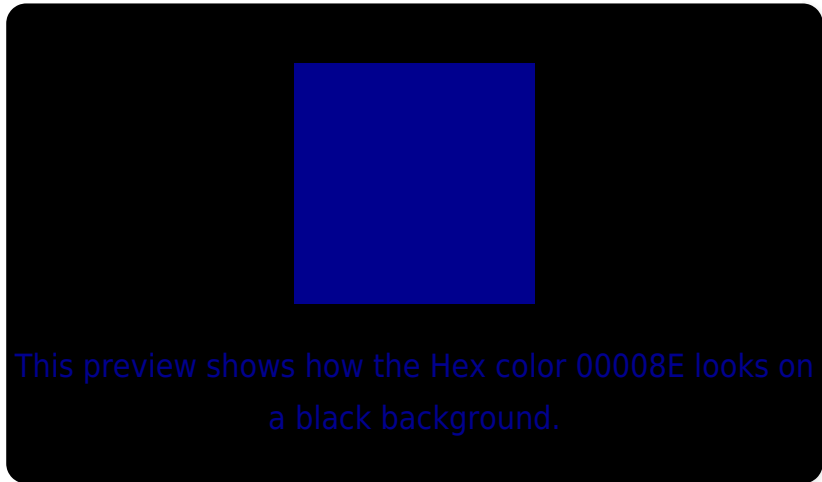
Large Text (above 18pt) WCAG AA ✓ Pass

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

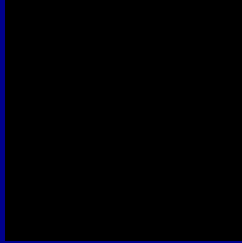
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 00008E Background



This preview shows how black text looks on a background with the Hex color 00008E.



This preview shows how white text looks on a background with the Hex color 00008E.

# 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**  
00008E

**Protanopia**  
002957

**Deuteranopia**  
002C4A



**Tritanopia**  
003032

# Trichromacy



**Original Color**  
00008E

**Protanomaly**  
001A6B

**Deuteranomaly**  
001C63

**Tritanomaly**  
001F53

# Monochromacy



**Original Color**  
00008E

**Achromatopsia**  
101010

**Achromatomaly**  
0A0A3E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00008E 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 #00008E looks like.

```
.text, #text, p{  
    color:#00008E  
}
```

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 #00008E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00008E
}
```

## Border

The CSS property to change the border of an element to Hex 00008E is called "border". The border property can be set on classes, ids or directly on the HTML element.

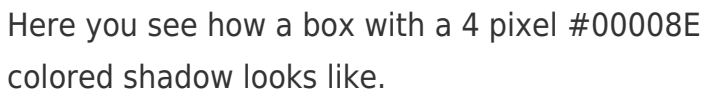
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#00008E }
```

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

```
.border{ border-color:#00008E }
```

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



Here you see how a box with a 4 pixel #00008E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00008E; -webkit-box-shadow:4px 4px  
4px 4px #00008E; box-shadow:4px 4px 4px  
4px #00008E }
```

# Background

The CSS property to change the background color of an element to Hex 00008E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00008E }
```

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

```
.background{ background-color:#00008E }
```

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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