

# Converting Colors

Hex(000CAE)

Have a look what the booklet for  
Hex(000CAE) contains.

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# Color

**Hex(000CAE)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	000CAE
RGB	0, 12, 174
RGB Percent	0%, 5%, 68%
CMY	1.0000, 0.9529, 0.3176
CMYK	1.00, 0.93, 0.00, 0.32
HSL	236°, 100%, 34%
HSV	236°, 100%, 68%
XYZ	7.7715, 3.3189, 40.2754
YIQ	26.8800, -59.1540, 47.8380

# Conversions

## Conversions Part 2

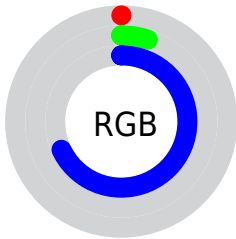
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 11, 174
Decimal	3246
CIELab	21.28, 56.33, -79.29
CIElCh	21, 97.268, 305.391
Yxy	3.3189, 0.1513, 0.0646
Android (android.graphics.Color)	4278193326 (0xFF000CAE)
YUV	26.8800, 72.5302, -23.5738
Hunter-Lab	18.2179, 44.2635, -118.3231

# Details

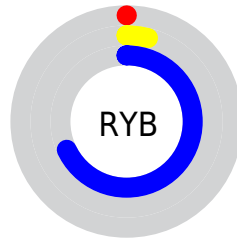
The Hex color **000CAE** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **AEA200**, and the grayscale version is **1A1A1A**.

A 20% lighter version of the original color is **6141E7**, and **000078** is the 20% darker color. If you saturate the color by 10%, you get **000CAE**, and if you desaturate by 10%, it is **111CAE**.

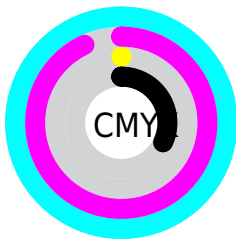
# Distribution



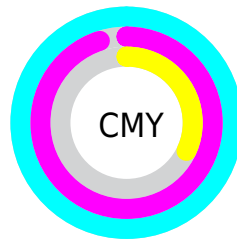
- Red (0%)
- Green (5%)
- Blue (68%)



- Red (0%)
- Yellow (4%)
- Blue (68%)



- Cyan (100%)
- Magenta (93%)
- Yellow (0%)
- Black (32%)



- Cyan (100%)
- Magenta (95%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 000CAE 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 000CAE by changing the saturation by 10% instead.



■ 000CAE

■ 000CAE

FFFFFF

■ 000092

■ 6141E7

■ 000078

■ 815AFF

■ 00005E

■ A074FF

■ 000845

■ BE8EFF

■ 00042E

■ DDA9FF

■ 000118

■ FCC5FF

■ 000000

■ FFE2FF

■ 000CAE

 111CAE

 232CAE

 343DAE

 464DAE

 575DAE

 686DAE

 7A7DAE

 8B8EAE

 9D9EAE

# Harmonies

## Analogous

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



003FCB



000CAE



890071

# Triad

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



000CAE



6C0700



00483F

# Complementary

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



000CAE



AEA200

# 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.



004600



000CAE



343600

# Square

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



000CAE



920000



004200



004A88

# Rectangle

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



000CAE



9F0042



004200



004726



# Sweetspot

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



000CAE



9FA4E3



00AE9F



494C73



F2F2F2



737373



# Same Dimension

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



000CAE



0010E3



4900AE



4E4F57



000A96



000217



# Inverse Universe

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



AE000C



E30010



66AE00



574E4F



96000A

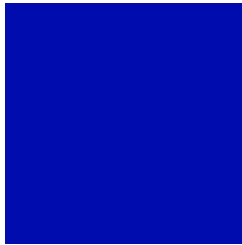


170002



# Previews

## White Background



This preview shows how the Hex color 000CAE looks on a white background.

## Color Contrast Check

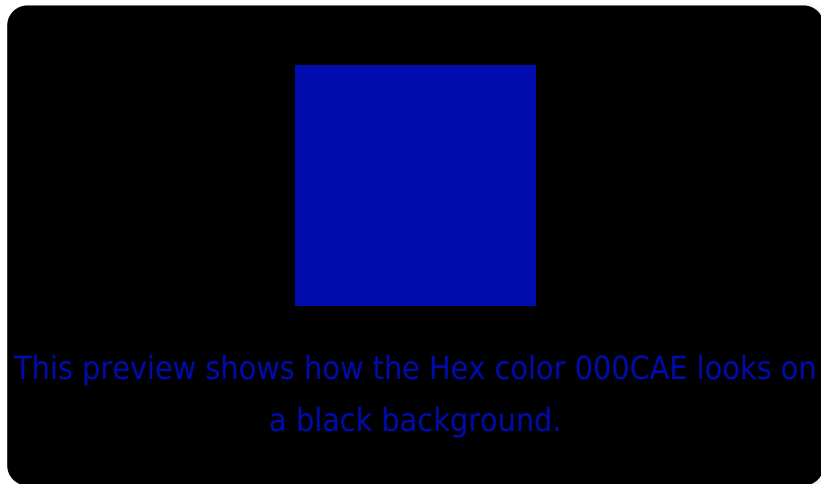
Large Text (above 18pt) WCAG AA ✓ Pass

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

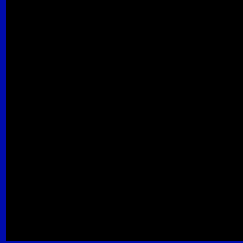
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 000CAE Background



This preview shows how black text looks on a background with the Hex color 000CAE.



This preview shows how white text looks on a background with the Hex color 000CAE.

# 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**  
000CAE

**Protanopia**  
00336C

**Deuteranopia**  
00375B



**Tritanopia**  
003B3E

# Trichromacy



**Original Color**  
000CAE

**Protanomaly**  
002584

**Deuteranomaly**  
002779

**Tritanomaly**  
002A67

# Monochromacy



**Original Color**  
000CAE

**Achromatopsia**  
1B1B1B

**Achromatomaly**  
111650

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 000CAE 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 #000CAE looks like.

```
.text, #text, p{  
    color:#000CAE  
}
```

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 #000CAE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #000CAE
}
```

## Border

The CSS property to change the border of an element to Hex 000CAE 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
#000CAE }
```

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

```
.border{ border-color:#000CAE }
```

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

Here you see how a box with a 4 pixel #000CAE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #000CAE; -webkit-box-shadow:4px 4px  
4px 4px #000CAE; box-shadow:4px 4px 4px  
4px #000CAE }
```

# Background

The CSS property to change the background color of an element to Hex 000CAE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#000CAE }
```

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

```
.background{ background-color:#000CAE }
```

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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