

Converting Colors

Hex(003171)

Have a look what the booklet for
Hex(003171) contains.

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Color

Hex(003171)

Conversions

Conversions Part 1

Format	Color
Hex	003171
RGB	0, 49, 113
RGB Percent	0%, 19%, 44%
CMY	1.0000, 0.8078, 0.5569
CMYK	1.00, 0.57, 0.00, 0.56
HSL	214°, 100%, 22%
HSV	214°, 100%, 44%
XYZ	4.0789, 3.3889, 16.0619
YIQ	41.6450, -49.7480, 9.5160

Conversions

Conversions Part 2

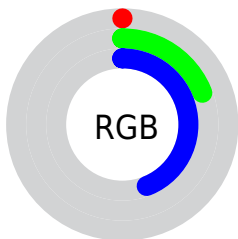
Format	Color
RYB	0, 34, 113
Decimal	12657
CIELab	21.54, 13.25, -40.95
CIELCh	22, 43.045, 287.929
Yxy	3.3889, 0.1734, 0.1440
Android (android.graphics.Color)	4278202737 (0xFF003171)
YUV	41.6450, 35.1780, -36.5227
Hunter-Lab	18.4089, 7.3355, -38.8448

Details

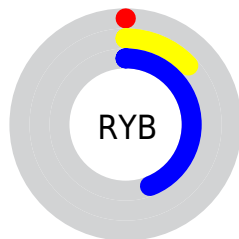
The Hex color **003171** is a dark color, and the websafe version is hex **003366**, and the color name is [prussian blue color \(konjō-iro\)](#). A complement of this color would be **714000**, and the grayscale version is **292929**.

A 20% lighter version of the original color is **485EA5**, and **000240** is the 20% darker color. If you saturate the color by 10%, you get **003171**, and if you desaturate by 10%, it is **0B3771**.

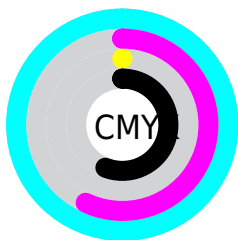
Distribution



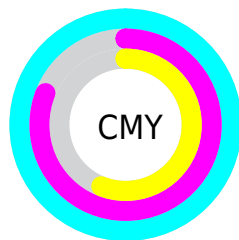
- Red (0%)
- Green (19%)
- Blue (44%)



- Red (0%)
- Yellow (13%)
- Blue (44%)



- Cyan (100%)
- Magenta (57%)
- Yellow (0%)
- Black (56%)



- Cyan (100%)
- Magenta (81%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Hex color 003171 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 003171 by changing the saturation by 10% instead.

■ 003171

■ 003171

FFFFFF

■ 001D58

■ 485EA5

■ 000240

■ 6477C1

■ 000329

■ 7F91DD

■ 000113

■ 9BABFA

■ 000000

■ B7C6FF

■ D4E2FF

■ F1FFFF

■ 003171

■ 0B3771

■ 173E71

■ 224471

■ 2D4B71

■ 395171

■ 445771

■ 4F5E71

■ 5A6471

■ 666B71

Harmonies

Analogous

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



003B73



003171



4C205F

Triad

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



003171



601E00



004025

Complementary

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



003171



714000

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.



003E00



003171



4B2E00

Square

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



003171



6A0A22



2F3800



004146

Rectangle

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



003171



5F124C



2F3800



00401A

Sweetspot

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



003171



687B94



00713E



2F3B4A



C9C9C9



4A4A4A

Same Dimension

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



003171



004094



060071



323538



003478



006BF7

Inverse Universe

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



710031



940040



6B7100



383235



780034



F7006B

Previews

White Background



This preview shows how the Hex color 003171 looks on a white background.

Color Contrast Check

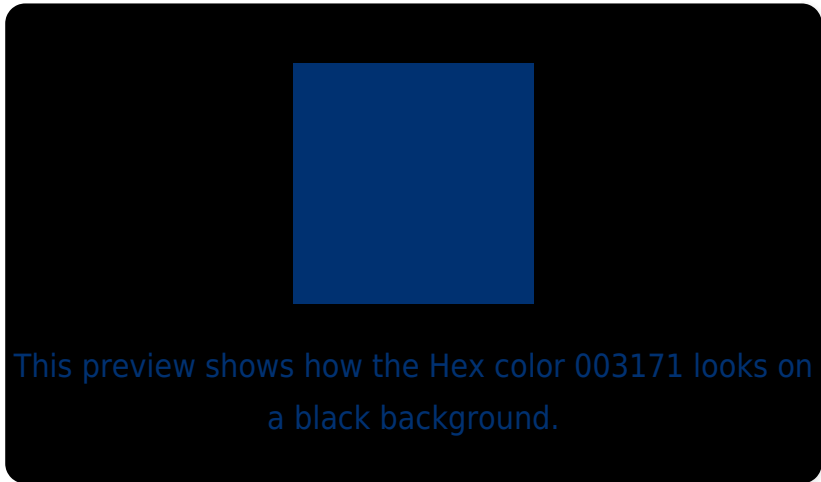
Large Text (above 18pt) WCAG AA ✓ Pass

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 003171 Background



This preview shows how black text looks on a background with the Hex color 003171.



This preview shows how white text looks on a background with the Hex color 003171.

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
003171

Protanopia
00336B

Deuteranopia
00365C



Tritanopia
003A3E

Trichromacy



Original Color
003171

Protanomaly
00326D

Deuteranomaly
003464

Tritanomaly
003751

Monochromacy



Original Color
003171

Achromatopsia
2A2A2A

Achromatomaly
1B2D44

CSS Examples

Text

The CSS property to change the color of the text to Hex 003171 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 #003171 looks like.

```
.text, #text, p{  
    color:#003171  
}
```

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 #003171 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #003171
}
```

Border

The CSS property to change the border of an element to Hex 003171 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
#003171 }
```

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

```
.border{ border-color:#003171 }
```

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

Here you see how a box with a 4 pixel #003171 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #003171; -webkit-box-shadow:4px 4px  
4px 4px #003171; box-shadow:4px 4px 4px  
4px #003171 }
```

Background

The CSS property to change the background color of an element to Hex 003171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#003171 }
```

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

```
.background{ background-color:#003171 }
```

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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