

Converting Colors

Hex(001B70)

Have a look what the booklet for
Hex(001B70) contains.

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Color

Hex(001B70)

Conversions

Conversions Part 1

Format	Color
Hex	001B70
RGB	0, 27, 112
RGB Percent	0%, 11%, 44%
CMY	1.0000, 0.8941, 0.5608
CMYK	1.00, 0.76, 0.00, 0.56
HSL	226°, 100%, 22%
HSV	226°, 100%, 44%
XYZ	3.3166, 1.9537, 15.5315
YIQ	28.6170, -43.3770, 20.7110

Conversions

Conversions Part 2

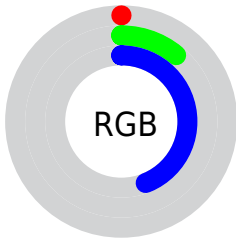
Format	Color
RYB	0, 22, 112
Decimal	7024
CIELab	15.24, 28.72, -50.63
CIELCh	15, 58.212, 299.564
Yxy	1.9537, 0.1594, 0.0939
Android (android.graphics.Color)	4278197104 (0xFF001B70)
YUV	28.6170, 41.1078, -25.0971
Hunter-Lab	13.9775, 17.8934, -56.0974

Details

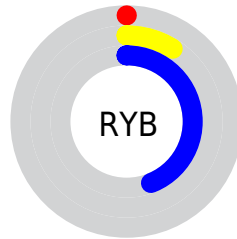
The Hex color **001B70** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **705500**, and the grayscale version is **1C1C1C**.

A 20% lighter version of the original color is **4A47A5**, and **00003F** is the 20% darker color. If you saturate the color by 10%, you get **001B70**, and if you desaturate by 10%, it is **0B2370**.

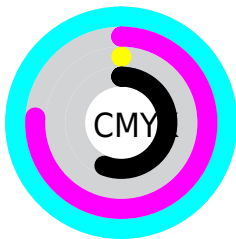
Distribution



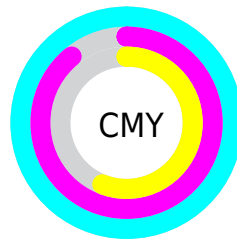
- Red (0%)
- Green (11%)
- Blue (44%)



- Red (0%)
- Yellow (9%)
- Blue (44%)



- Cyan (100%)
- Magenta (76%)
- Yellow (0%)
- Black (56%)



- Cyan (100%)
- Magenta (89%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Hex color 001B70 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 001B70 by changing the saturation by 10% instead.

■ 001B70

■ 001B70

FFFFFF

■ 000657

■ 4A47A5

■ 00003F

■ 665EC0

■ 000328

■ 8277DD

■ 000112

■ 9E91F9

■ 000000

■ BAACFF

■ D7C7FF

■ F5E3FF

■ 001B70

■ 0B2370

■ 162C70

■ 223470

■ 2D3D70

■ 384570

■ 434E70

■ 4E5670

■ 5A5F70

■ 656770

Harmonies

Analogous

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



002E7B



001B70



530051

Triad

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



001B70



4F0D00



003524

Complementary

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



001B70



705500

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.



003300



001B70



312500

Square

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



001B70



640000



002F00



00364F

Rectangle

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



001B70



630036



002F00



003516

Sweetspot

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



001B70



667091



007054



2F364A



C9C9C9



4A4A4A

Same Dimension

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



001B70



002391



1C0070



323438



001D78



003CF7

Inverse Universe

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



70001B



910023



547000



383234



78001D



F7003C

Previews

White Background



This preview shows how the Hex color 001B70 looks on a white background.

Color Contrast Check

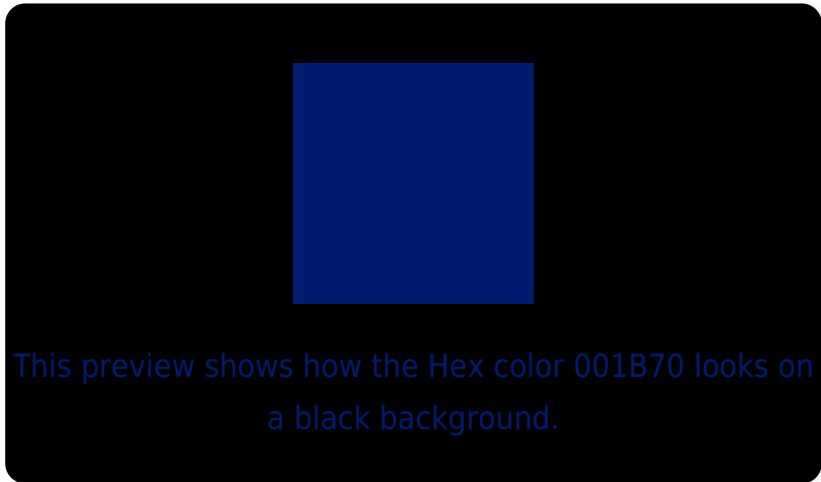
Large Text (above 18pt) WCAG AA ✓ Pass

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

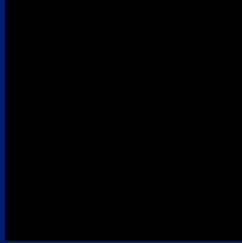
Any Text WCAG AA × Fail

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 001B70 Background



This preview shows how black text looks on a background with the Hex color 001B70.



This preview shows how white text looks on a background with the Hex color 001B70.

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
001B70

Protanopia
002651

Deuteranopia
002945

Trichromacy



Original Color

001B70

Protanomaly

00225C

Deuteranomaly

002455

Tritanomaly

002647

Monochromacy



Original Color

001B70

Achromatopsia

1D1D1D

Achromatomaly

121C3B

CSS Examples

Text

The CSS property to change the color of the text to Hex 001B70 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 #001B70 looks like.

```
.text, #text, p{  
    color:#001B70  
}
```

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 #001B70 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #001B70
}
```

Border

The CSS property to change the border of an element to Hex 001B70 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
#001B70 }
```

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

```
.border{ border-color:#001B70 }
```

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

Here you see how a box with a 4 pixel #001B70 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #001B70; -webkit-box-shadow:4px 4px  
4px 4px #001B70; box-shadow:4px 4px 4px  
4px #001B70 }
```

Background

The CSS property to change the background color of an element to Hex 001B70 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#001B70 }
```

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

```
.background{ background-color:#001B70 }
```

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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