

Converting Colors

Hex(003175)

Have a look what the booklet for
Hex(003175) contains.

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Color

Hex(003175)

Conversions

Conversions Part 1

Format	Color
Hex	003175
RGB	0, 49, 117
RGB Percent	0%, 19%, 46%
CMY	1.0000, 0.8078, 0.5412
CMYK	1.00, 0.58, 0.00, 0.54
HSL	215°, 100%, 23%
HSV	215°, 100%, 46%
XYZ	4.3092, 3.4810, 17.2744
YIQ	42.1010, -51.0320, 10.7600

Conversions

Conversions Part 2

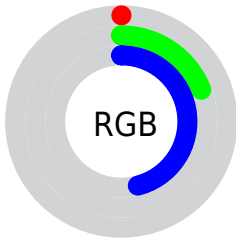
Format	Color
RYB	0, 35, 117
Decimal	12661
CIELab	21.88, 15.03, -42.97
CIELCh	22, 45.522, 289.282
Yxy	3.4810, 0.1719, 0.1389
Android (android.graphics.Color)	4278202741 (0xFF003175)
YUV	42.1010, 36.9252, -36.9226
Hunter-Lab	18.6574, 8.5768, -41.8349

Details

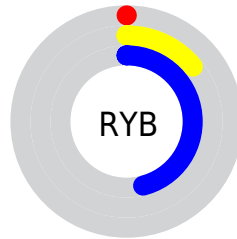
The Hex color **003175** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **754400**, and the grayscale version is **2A2A2A**.

A 20% lighter version of the original color is **4A5EAA**, and **000244** is the 20% darker color. If you saturate the color by 10%, you get **003175**, and if you desaturate by 10%, it is **0C3875**.

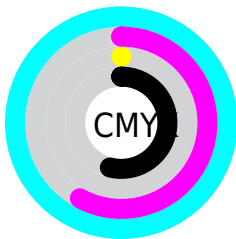
Distribution



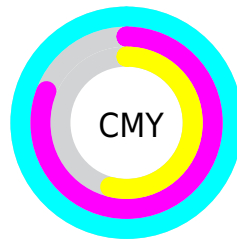
- Red (0%)
- Green (19%)
- Blue (46%)



- Red (0%)
- Yellow (14%)
- Blue (46%)



- Cyan (100%)
- Magenta (58%)
- Yellow (0%)
- Black (54%)



- Cyan (100%)
- Magenta (81%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Hex color 003175 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 003175 by changing the saturation by 10% instead.

■ 003175

■ 003175

FFFFFF

■ 001D5C

■ 4A5EAA

■ 000244

■ 6577C5

■ 00032D

■ 8191E2

■ 000117

■ 9DABFE

■ 000000

■ B9C6FF

■ D6E2FF

■ F4FFFF

■ 003175

■ 0C3875

■ 173F75

■ 234575

■ 2F4C75

■ 3B5375

■ 465A75

■ 526175

■ 5E6775

■ 696E75

Harmonies

Analogous

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



003C77



003175



4F1E61

Triad

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



003175



621D00



004227

Complementary

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



003175



754400

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.



003F00



003175



4B2F00

Square

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



003175



6D0521



2D3900



00434A

Rectangle

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



003175



630D4D



2D3900



00411B

Sweetspot

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



003175



6B7E99



007542



313C4D



CCCCCC



4D4D4D

Same Dimension

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



003175



004099



080075



35373B



00337A



0069FA

Inverse Universe

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



750031



990040



6D7500



3B3537



7A0033



FA0069

Previews

White Background



This preview shows how the Hex color 003175 looks on a white background.

Color Contrast Check

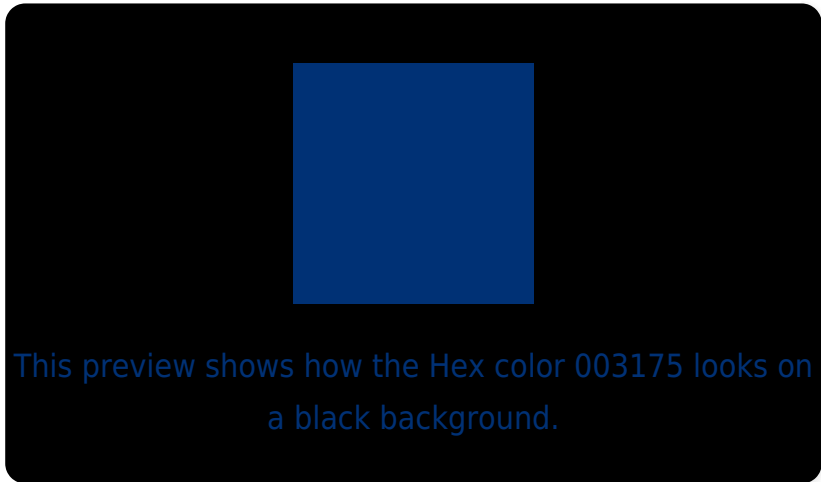
Large Text (above 18pt) WCAG AA ✓ Pass

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

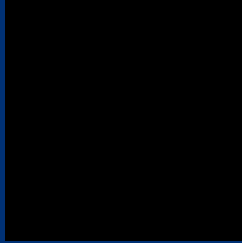
Any Text WCAG AA × Fail

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 003175 Background



This preview shows how black text looks on a background with the Hex color 003175.



This preview shows how white text looks on a background with the Hex color 003175.

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
003175

Protanopia
00336D

Deuteranopia
00375D



Tritanopia
003B3F

Trichromacy



Original Color
003175

Protanomaly
003270

Deuteranomaly
003566

Tritanomaly
003753

Monochromacy



Original Color
003175

Achromatopsia
2A2A2A

Achromatomaly
1B2D45

CSS Examples

Text

The CSS property to change the color of the text to Hex 003175 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 #003175 looks like.

```
.text, #text, p{  
    color:#003175  
}
```

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 #003175 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #003175
}
```

Border

The CSS property to change the border of an element to Hex 003175 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
#003175 }
```

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

```
.border{ border-color:#003175 }
```

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

Here you see how a box with a 4 pixel #003175 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #003175; -webkit-box-shadow:4px 4px  
4px 4px #003175; box-shadow:4px 4px 4px  
4px #003175 }
```

Background

The CSS property to change the background color of an element to Hex 003175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#003175 }
```

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

```
.background{ background-color:#003175 }
```

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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