

Converting Colors

Hex(003174)

Have a look what the booklet for
Hex(003174) contains.

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Color

Hex(003174)

Conversions

Conversions Part 1

Format	Color
Hex	003174
RGB	0, 49, 116
RGB Percent	0%, 19%, 45%
CMY	1.0000, 0.8078, 0.5451
CMYK	1.00, 0.58, 0.00, 0.55
HSL	215°, 100%, 23%
HSV	215°, 100%, 45%
XYZ	4.2507, 3.4576, 16.9663
YIQ	41.9870, -50.7110, 10.4490

Conversions

Conversions Part 2

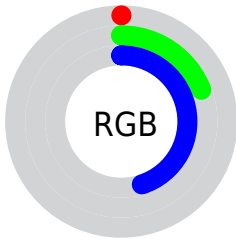
Format	Color
RYB	0, 34, 116
Decimal	12660
CIELab	21.79, 14.59, -42.47
CIELCh	22, 44.903, 288.958
Yxy	3.4576, 0.1723, 0.1401
Android (android.graphics.Color)	4278202740 (0xFF003174)
YUV	41.9870, 36.4884, -36.8226
Hunter-Lab	18.5946, 8.2644, -41.0821

Details

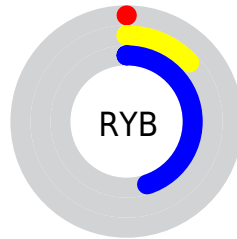
The Hex color **003174** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **744300**, and the grayscale version is **2A2A2A**.

A 20% lighter version of the original color is **495EA9**, and **000243** is the 20% darker color. If you saturate the color by 10%, you get **003174**, and if you desaturate by 10%, it is **0C3874**.

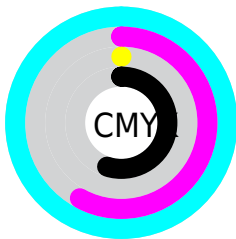
Distribution



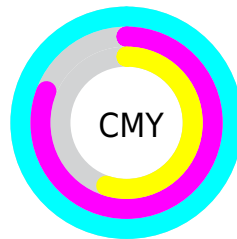
- Red (0%)
- Green (19%)
- Blue (45%)



- Red (0%)
- Yellow (13%)
- Blue (45%)



- Cyan (100%)
- Magenta (58%)
- Yellow (0%)
- Black (55%)



- Cyan (100%)
- Magenta (81%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Hex color 003174 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 003174 by changing the saturation by 10% instead.

003174

003174

FFFFFF

001D5B

495EA9

000243

6577C4

00032C

8191E0

000116

9DABFD

000000

B9C6FF

D6E2FF

F3FFFF

003174

■ 0C3874

■ 173E74

■ 234574

■ 2E4C74

■ 3A5374

■ 465974

■ 516074

■ 5D6774

■ 686D74

Harmonies

Analogous

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



003C76



003174



4E1F60

Triad

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



003174



621D00



004126

Complementary

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



003174



744300

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



003174



4B2E00

Square

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



003174



6D0621



2E3900



004249

Rectangle

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



003174



620F4D



2E3900



00411B

Sweetspot

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



003174



697C96



007442



313D4D



CCCCCC



4D4D4D

Same Dimension

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



003174



004096



080074



35373B



00347A



006AFA

Inverse Universe

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



740031



960040



6C7400



3B3537



7A0034



FA006A

Previews

White Background



This preview shows how the Hex color 003174 looks on a white background.

Color Contrast Check

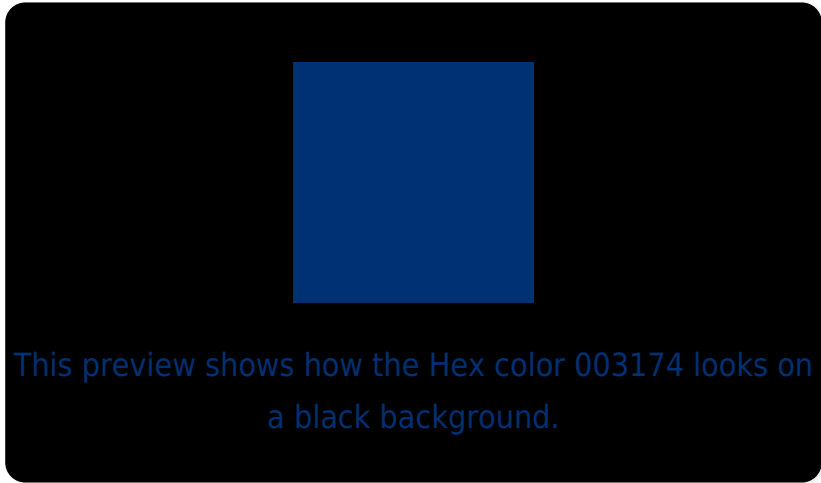
Large Text (above 18pt) WCAG AA ✓ Pass

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

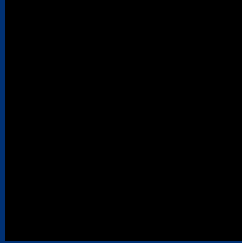
Any Text WCAG AA × Fail

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 003174 Background



This preview shows how black text looks on a background with the Hex color 003174.



This preview shows how white text looks on a background with the Hex color 003174.

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
003174

Protanopia
00336C

Deuteranopia
00365D



Tritanopia
003B3E

Trichromacy



Original Color
003174

Protanomaly
00326F

Deuteranomaly
003465

Tritanomaly
003752

Monochromacy



Original Color
003174

Achromatopsia
2A2A2A

Achromatomaly
1B2D45

CSS Examples

Text

The CSS property to change the color of the text to Hex 003174 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 #003174 looks like.

```
.text, #text, p{  
    color:#003174  
}
```

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 #003174 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #003174
}
```

Border

The CSS property to change the border of an element to Hex 003174 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
#003174 }
```

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

```
.border{ border-color:#003174 }
```

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

Here you see how a box with a 4 pixel #003174 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #003174; -webkit-box-shadow:4px 4px  
4px 4px #003174; box-shadow:4px 4px 4px  
4px #003174 }
```

Background

The CSS property to change the background color of an element to Hex 003174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#003174 }
```

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

```
.background{ background-color:#003174 }
```

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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