

Converting Colors

Hex(003170)

Have a look what the booklet for
Hex(003170) contains.

Hex(003170)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(003170)

Conversions

Conversions Part 1

Format	Color
Hex	003170
RGB	0, 49, 112
RGB Percent	0%, 19%, 44%
CMY	1.0000, 0.8078, 0.5608
CMYK	1.00, 0.56, 0.00, 0.56
HSL	214°, 100%, 22%
HSV	214°, 100%, 44%
XYZ	4.0229, 3.3665, 15.7670
YIQ	41.5310, -49.4270, 9.2050

Conversions

Conversions Part 2

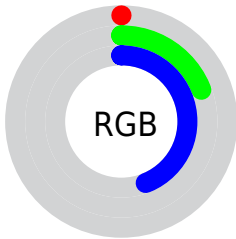
Format	Color
R_{YB}	0, 34, 112
Decimal	12656
CIE _{Lab}	21.46, 12.80, -40.45
CIE _{LCh}	21, 42.424, 287.565
Yxy	3.3665, 0.1737, 0.1454
Android (android.graphics.Color)	4278202736 (0xFF003170)
YUV	41.5310, 34.7412, -36.4227
Hunter-Lab	18.3480, 7.0287, -38.1062

Details

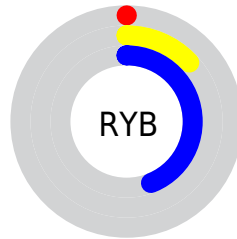
The Hex color **003170** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **703F00**, and the grayscale version is **292929**.

A 20% lighter version of the original color is **485EA4**, and **00023F** is the 20% darker color. If you saturate the color by 10%, you get **003170**, and if you desaturate by 10%, it is **0B3770**.

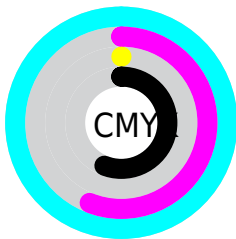
Distribution



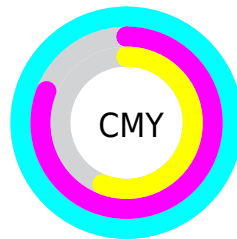
- Red (0%)
- Green (19%)
- Blue (44%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the Hex color 003170 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 003170 by changing the saturation by 10% instead.

■ 003170

■ 003170

FFFFFF

■ 001D57

■ 485EA4

■ 00023F

■ 6377C0

■ 000329

■ 7F91DC

■ 000112

■ 9BABF9

■ 000000

■ B7C6FF

■ D3E2FF

■ F1FFFF

■ 003170

■ 0B3770

■ 163E70

■ 224470

■ 2D4A70

■ 385170

■ 435770

■ 4E5D70

■ 5A6370

■ 656A70

Harmonies

Analogous

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



003B71



003170



4B215E

Triad

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



003170



5F1E01



004025

Complementary

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



003170



703F00

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.



003D01



003170



4B2D00

Square

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



003170



690B23



303800



004146

Rectangle

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



003170



5E134C



303800



003F1A

Sweetspot

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



003170



667991



00703E



2F3B4A



C9C9C9



4A4A4A

Same Dimension

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



003170



004091



060070



323538



003478



006CF7

Inverse Universe

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



700031



910040



6A7000



383235



780034



F7006C

Previews

White Background



This preview shows how the Hex color 003170 looks on a white background.

Color Contrast Check

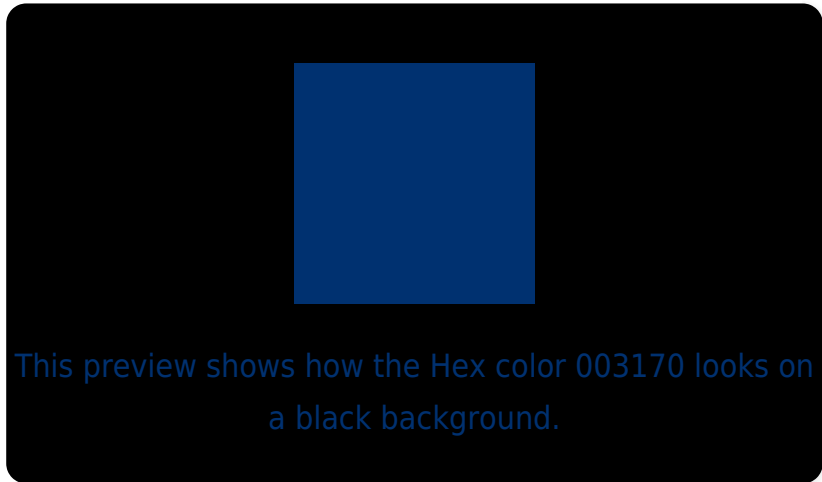
Large Text (above 18pt) WCAG AA ✓ Pass

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

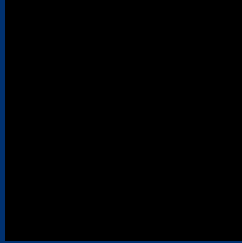
Any Text WCAG AA × Fail

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 003170 Background



This preview shows how black text looks on a background with the Hex color 003170.



This preview shows how white text looks on a background with the Hex color 003170.

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
003170

Protanopia
00326B

Deuteranopia
00365C



Tritanopia
003A3E

Trichromacy



Original Color
003170

Protanomaly
00326D

Deuteranomaly
003463

Tritanomaly
003750

Monochromacy



Original Color
003170

Achromatopsia
2A2A2A

Achromatomaly
1B2D43

CSS Examples

Text

The CSS property to change the color of the text to Hex 003170 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 #003170 looks like.

```
.text, #text, p{  
    color:#003170  
}
```

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 #003170 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #003170
}
```

Border

The CSS property to change the border of an element to Hex 003170 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
#003170 }
```

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

```
.border{ border-color:#003170 }
```

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

Here you see how a box with a 4 pixel #003170 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #003170; -webkit-box-shadow:4px 4px  
4px 4px #003170; box-shadow:4px 4px 4px  
4px #003170 }
```

Background

The CSS property to change the background color of an element to Hex 003170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#003170 }
```

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

```
.background{ background-color:#003170 }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor