

# Converting Colors

Hex(003158)

Have a look what the booklet for  
Hex(003158) contains.

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# Color

**Hex(003158)**

# Conversions

## Conversions Part 1

Format	Color
Hex	003158
RGB	0, 49, 88
RGB Percent	0%, 19%, 35%
CMY	1.0000, 0.8078, 0.6549
CMYK	1.00, 0.44, 0.00, 0.65
HSL	207°, 100%, 17%
HSV	207°, 100%, 35%
XYZ	2.8598, 2.9012, 9.6418
YIQ	38.7950, -41.7230, 1.7410

# Conversions

## Conversions Part 2

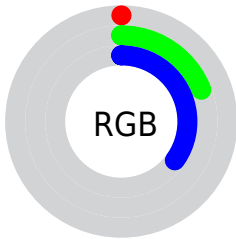
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 31, 88</a>
Decimal	<a href="#">12632</a>
CIELab	<a href="#">19.64, 1.88, -27.69</a>
CIELCh	<a href="#">20, 27.753, 273.876</a>
Yxy	<a href="#">2.9012, 0.1857, 0.1884</a>
Android (android.graphics.Color)	<a href="#">4278202712 (0xFF003158)</a>
YUV	<a href="#">38.7950, 24.2581, -34.0232</a>
Hunter-Lab	<a href="#">17.0329, 0.1619, -21.6391</a>

# Details

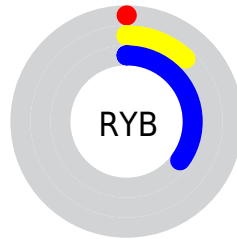
The Hex color **003158** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **582700**, and the grayscale version is **272727**.

A 20% lighter version of the original color is **3F5F8A**, and **00032A** is the 20% darker color. If you saturate the color by 10%, you get **003158**, and if you desaturate by 10%, it is **093558**.

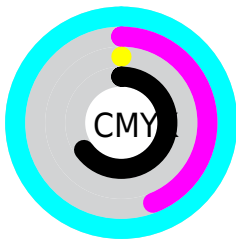
# Distribution



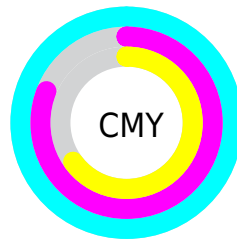
- Red (0%)
- Green (19%)
- Blue (35%)



- Red (0%)
- Yellow (12%)
- Blue (35%)



- Cyan (100%)
- Magenta (44%)
- Yellow (0%)
- Black (65%)



- Cyan (100%)
- Magenta (81%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 003158 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 003158 by changing the saturation by 10% instead.



003158

003158

FFFFFF

001C40

3F5F8A

00032A

5A77A5

000115

7491C0

000000

8FABDC

AAC7F9

C6E3FF

E3FFFF

003158

■ 093558

■ 123958

■ 1A3D58

■ 234158

■ 2C4558

■ 354858

■ 3E4C58

■ 465058

■ 4F5458

# Harmonies

## Analogous

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



003654



003158



332951

# Triad

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



003158



52201A



00381D

# Complementary

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



003158



582700

# 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.



23350B



003158



482809

# Square

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



003158



541C2E



382F00



003932

# Rectangle

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



003158



442348



382F00



0F3716



# Sweetspot

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



003158



506373



005826



26313B



BABABA



3B3B3B



# Same Dimension

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



003158



004073



000658



27292B



003C6B



0083EB



# Inverse Universe

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



580031



730040



585200



2B2729



6B003C



EB0083



# Previews

## White Background



This preview shows how the Hex color 003158 looks on a white background.

## Color Contrast Check

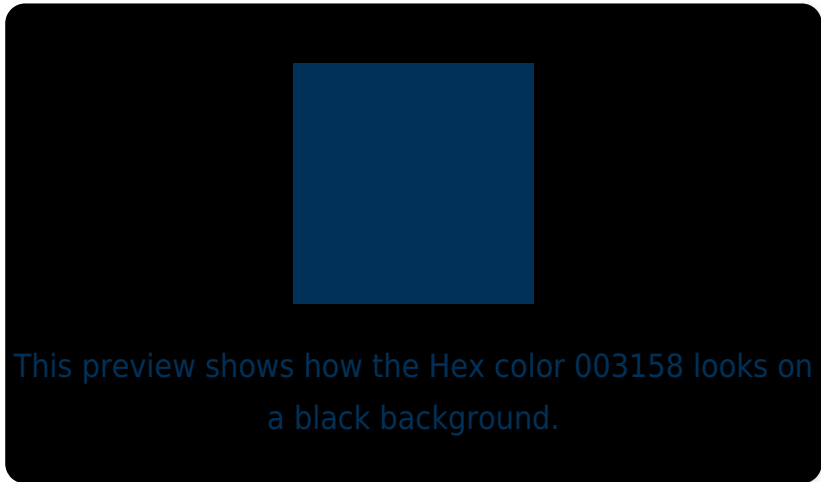
Large Text (above 18pt) WCAG AA ✓ Pass

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

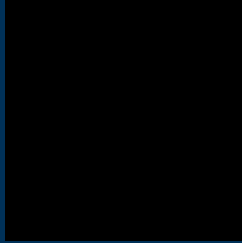
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 003158 Background



This preview shows how black text looks on a background with the Hex color 003158.



This preview shows how white text looks on a background with the Hex color 003158.

# 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**  
003158

**Protanopia**  
1E2F56

**Deuteranopia**  
003157



**Tritanopia**  
003639

# Trichromacy



**Original Color**  
003158

**Protanomaly**  
133057

**Deuteranomaly**  
003157

**Tritanomaly**  
003444

# Monochromacy



**Original Color**  
003158

**Achromatopsia**  
272727

**Achromatomaly**  
192B39

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 003158 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 #003158 looks like.

```
.text, #text, p{  
    color:#003158  
}
```

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 #003158 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #003158
}
```

## Border

The CSS property to change the border of an element to Hex 003158 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
#003158 }
```

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

```
.border{ border-color:#003158 }
```

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

Here you see how a box with a 4 pixel #003158 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #003158; -webkit-box-shadow:4px 4px  
4px 4px #003158; box-shadow:4px 4px 4px  
4px #003158 }
```

# Background

The CSS property to change the background color of an element to Hex 003158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#003158 }
```

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

```
.background{ background-color:#003158 }
```

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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