

# Converting Colors

Hex(18003B)

Have a look what the booklet for  
Hex(18003B) contains.

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# Color

**Hex(18003B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	18003B
RGB	24, 0, 59
RGB Percent	9%, 0%, 23%
CMY	0.9059, 1.0000, 0.7686
CMYK	0.59, 1.00, 0.00, 0.77
HSL	264°, 100%, 12%
HSV	264°, 100%, 23%
XYZ	1.1661, 0.5100, 4.1746
YIQ	13.9020, -4.6350, 23.4370

# Conversions

## Conversions Part 2

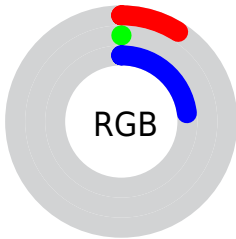
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	24, 0, 59
Decimal	1572923
CIE Lab	4.61, 26.50, -31.91
CIE LCh	5, 41.479, 309.706
Yxy	0.5100, 0.1993, 0.0872
Android (android.graphics.Color)	4279763003 (0xFF18003B)
YUV	13.9020, 22.2333, 8.8559
Hunter-Lab	7.1411, 16.6511, -29.6616

# Details

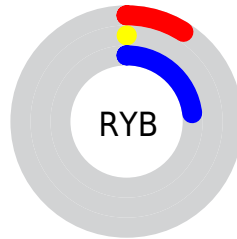
The Hex color **18003B** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **233B00**, and the grayscale version is **0E0E0E**.

A 20% lighter version of the original color is **472D6B**, and **00010D** is the 20% darker color. If you saturate the color by 10%, you get **18003B**, and if you desaturate by 10%, it is **1B063B**.

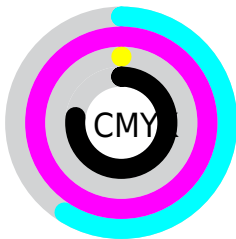
# Distribution



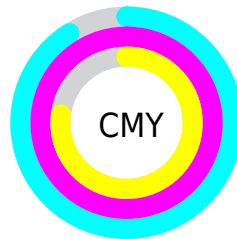
- Red (9%)
- Green (0%)
- Blue (23%)



- Red (9%)
- Yellow (0%)
- Blue (23%)



- Cyan (59%)
- Magenta (100%)
- Yellow (0%)
- Black (77%)



- Cyan (91%)
- Magenta (100%)
- Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 18003B 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 18003B by changing the saturation by 10% instead.



 18003B

 18003B

 FFE1FF

 000025

 472D6B

 00010D

 614485

 000000

 7A5C9F

 9575BA

 B08ED6

 CCA9F2

 E8C4FF

 18003B

■ 1B063B

■ 1F0C3B

■ 22123B

■ 26183B

■ 291D3B

■ 2D233B

■ 30293B

■ 342F3B

■ 37353B

# Harmonies

## Analogous

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



001147



18003B



350024

# Triad

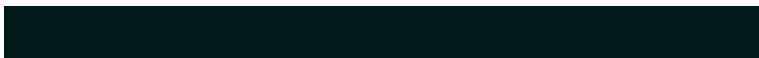
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



18003B



260500



001919

# Complementary

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



18003B



233B00

# 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.



001900



18003B



081300

# Square

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



18003B



350000



001900



001B33

# Rectangle

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



18003B



3B0012



001900



00190F



# Sweetspot

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



18003B



3F364D



00233B



1E1826



A6A6A6



262626



# Same Dimension

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



18003B



1F004D



35003B



1D1C1F



26005E



5A00DE



# Inverse Universe

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



3B0023



4D002D



063B00



1F1C1D



5E0038

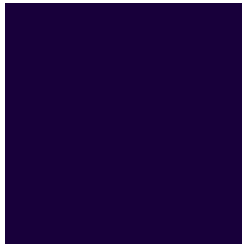


DE0084



# Previews

## White Background



This preview shows how the Hex color 18003B looks on a white background.

## Color Contrast Check

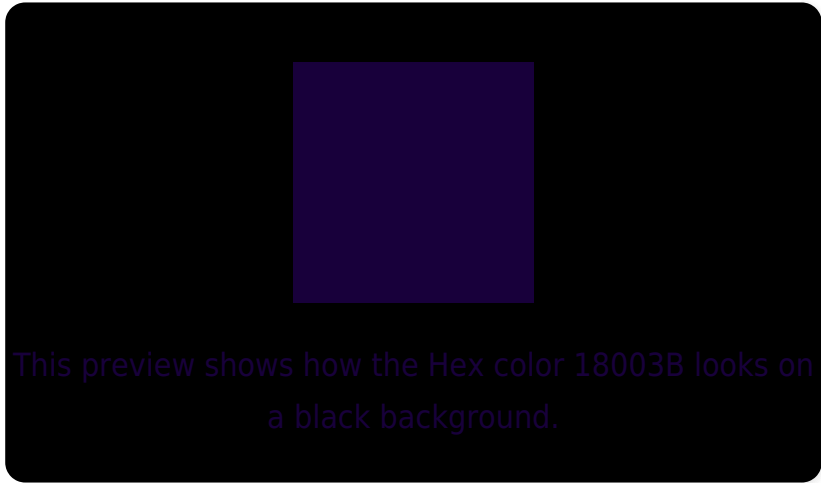
Large Text (above 18pt) WCAG AA ✓ Pass

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

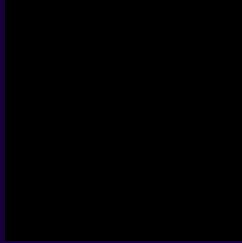
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 18003B Background



This preview shows how black text looks on a background with the Hex color 18003B.



This preview shows how white text looks on a background with the Hex color 18003B.

# 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**  
18003B

**Protanopia**  
00142B

**Deuteranopia**  
001624



**Tritanopia**  
081719

# Trichromacy



**Original Color**  
18003B

**Protanomaly**  
090D31

**Deuteranomaly**  
090E2C

**Tritanomaly**  
0E0F25

# Monochromacy



**Original Color**  
18003B

**Achromatopsia**  
0E0E0E

**Achromatomaly**  
12091E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 18003B 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 #18003B looks like.

```
.text, #text, p{  
    color:#18003B  
}
```

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 #18003B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #18003B
}
```

## Border

The CSS property to change the border of an element to Hex 18003B is called "border". The border property can be set on classes, ids or directly on the HTML element.

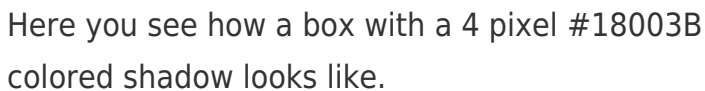
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#18003B }
```

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

```
.border{ border-color:#18003B }
```

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



Here you see how a box with a 4 pixel #18003B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #18003B; -webkit-box-shadow:4px 4px  
4px 4px #18003B; box-shadow:4px 4px 4px  
4px #18003B }
```

# Background

The CSS property to change the background color of an element to Hex 18003B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#18003B }
```

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

```
.background{ background-color:#18003B }
```

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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