

Converting Colors

Hex(1B003D)

Have a look what the booklet for
Hex(1B003D) contains.

Hex(1B003D)	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(1B003D)

Conversions

Conversions Part 1

Format	Color
Hex	1B003D
RGB	27, 0, 61
RGB Percent	11%, 0%, 24%
CMY	0.8941, 1.0000, 0.7608
CMYK	0.56, 1.00, 0.00, 0.76
HSL	267°, 100%, 12%
HSV	267°, 100%, 24%
XYZ	1.2943, 0.5699, 4.4567
YIQ	15.0270, -3.4890, 24.6950

Conversions

Conversions Part 2

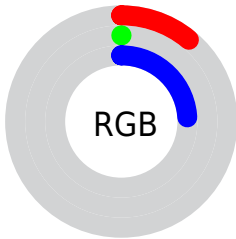
Format	Color
R_{YB}	27, 0, 61
Decimal	1769533
CIE Lab	5.15, 28.24, -32.46
CIE LCh	5, 43.030, 311.024
Yxy	0.5699, 0.2048, 0.0902
Android (android.graphics.Color)	4279959613 (0xFF1B003D)
YUV	15.0270, 22.6647, 10.5003
Hunter-Lab	7.5494, 17.3913, -29.7164

Details

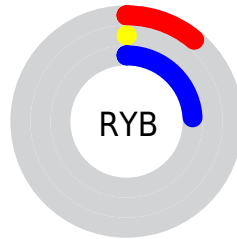
The Hex color **1B003D** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **223D00**, and the grayscale version is **0F0F0F**.

A 20% lighter version of the original color is **4B2D6D**, and **000110** is the 20% darker color. If you saturate the color by 10%, you get **1B003D**, and if you desaturate by 10%, it is **1E063D**.

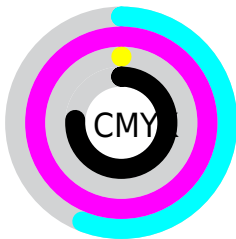
Distribution



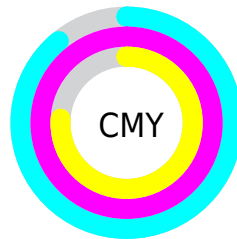
- Red (11%)
- Green (0%)
- Blue (24%)



- Red (11%)
- Yellow (0%)
- Blue (24%)



- Cyan (56%)
- Magenta (100%)
- Yellow (0%)
- Black (76%)



- Cyan (89%)
- Magenta (100%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Hex color 1B003D 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 1B003D by changing the saturation by 10% instead.

 1B003D

 1B003D

 FFE1FF

 000027

 4B2D6D

 000110

 644487

 000000

 7E5CA1

 9975BD

 B48FD8

 D0A9F5

 EDC5FF

 1B003D

■ 1E063D

■ 220C3D

■ 25123D

■ 29183D

■ 2C1F3D

■ 2F253D

■ 332B3D

■ 36313D

■ 3A373D

Harmonies

Analogous

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



00124A



1B003D



380025

Triad

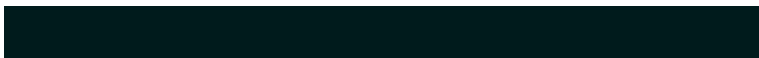
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



1B003D



270700



001B1C

Complementary

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



1B003D



223D00

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.



001B00



1B003D



081500

Square

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



1B003D



370000



001B00



001D37

Rectangle

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



1B003D



3E0012



001B00



001B12

Sweetspot

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



1B003D



42374F



00233D



211A29



A8A8A8



292929

Same Dimension

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



1B003D



23004F



39003D



1D1C1F



2A005E



6200DE

Inverse Universe

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



3D0022



4F002C



043D00



1F1C1D



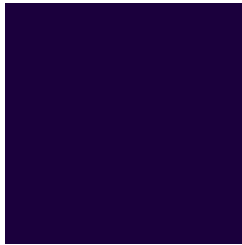
5E0035



DE007C

Previews

White Background



This preview shows how the Hex color 1B003D looks on a white background.

Color Contrast Check

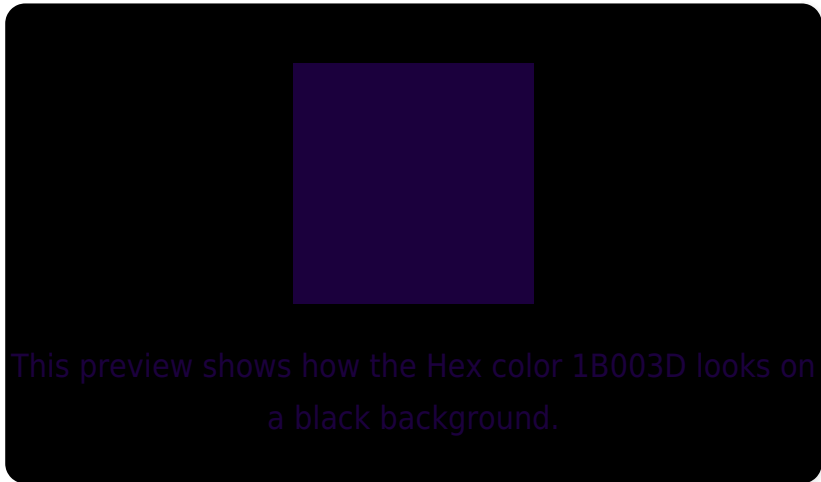
Large Text (above 18pt) WCAG AA ✓ Pass

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

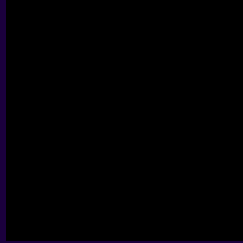
Any Text WCAG AA × Fail

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 1B003D Background



This preview shows how black text looks on a background with the Hex color 1B003D.



This preview shows how white text looks on a background with the Hex color 1B003D.

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](#).

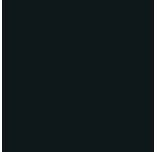
Dichromacy



Original Color
1B003D

Protanopia
00162D

Deuteranopia
001727



Tritanopia
0E181A

Trichromacy



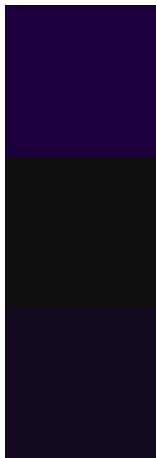
Original Color
1B003D

Protanomaly
0A0E33

Deuteranomaly
0A0F2F

Tritanomaly
130F27

Monochromacy



Original Color
1B003D

Achromatopsia
0F0F0F

Achromatomaly
130A20

CSS Examples

Text

The CSS property to change the color of the text to Hex 1B003D 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 #1B003D looks like.

```
.text, #text, p{  
    color:#1B003D  
}
```

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 #1B003D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1B003D
}
```

Border

The CSS property to change the border of an element to Hex 1B003D is called "border". The border property can be set on classes, ids or directly on the HTML element.

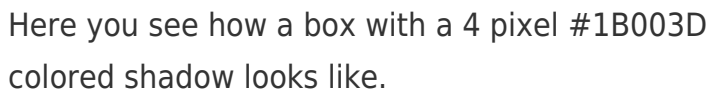
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#1B003D }
```

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

```
.border{ border-color:#1B003D }
```

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



Here you see how a box with a 4 pixel #1B003D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1B003D; -webkit-box-shadow:4px 4px  
4px 4px #1B003D; box-shadow:4px 4px 4px  
4px #1B003D }
```

Background

The CSS property to change the background color of an element to Hex 1B003D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1B003D }
```

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

```
.background{ background-color:#1B003D }
```

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