

# Converting Colors

Hex(02001D)

Have a look what the booklet for  
Hex(02001D) contains.

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# Color

**Hex(02001D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	02001D
RGB	2, 0, 29
RGB Percent	1%, 0%, 11%
CMY	0.9922, 1.0000, 0.8863
CMYK	0.93, 1.00, 0.00, 0.89
HSL	244°, 100%, 6%
HSV	244°, 100%, 11%
XYZ	0.2468, 0.1016, 1.1690
YIQ	3.9040, -8.1170, 9.4430

# Conversions

## Conversions Part 2

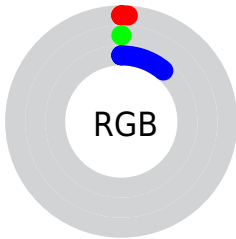
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	2, 0, 29
Decimal	131101
CIE Lab	0.92, 6.15, -14.95
CIE LCh	1, 16.169, 292.370
Yxy	0.1016, 0.1626, 0.0670
Android (android.graphics.Color)	4278321181 (0xFF02001D)
YUV	3.9040, 12.3723, -1.6698
Hunter-Lab	3.1877, 8.2418, -19.5116

# Details

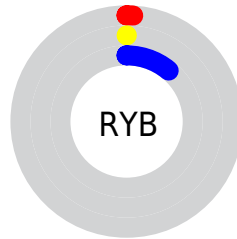
The Hex color **02001D** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **1B1D00**, and the grayscale version is **040404**.

A 20% lighter version of the original color is **2F3048**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **02001D**, and if you desaturate by 10%, it is **05031D**.

# Distribution



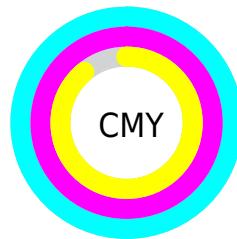
- Red (1%)
- Green (0%)
- Blue (11%)



- Red (1%)
- Yellow (0%)
- Blue (11%)



- Cyan (93%)
- Magenta (100%)
- Yellow (0%)
- Black (89%)



- Cyan (99%)
- Magenta (100%)
- Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 02001D 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 02001D by changing the saturation by 10% instead.



 02001D

 02001D

 E3E2FF

 000000

 2F3048

 464760

 5E5E79

 777793

 9191AD

 ACABC9

 C7C6E5

 02001D

■ 05031D

■ 07061D

■ 0A091D

■ 0D0C1D

■ 0F0F1D

■ 12111D

■ 15141D

■ 18171D

■ 1A1A1D

# Harmonies

## Analogous

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



00071E



02001D



150017

# Triad

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



02001D



180000



000600

# Complementary

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



02001D



1B1D00

# 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.



000600



02001D



0B0200

# Square

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



02001D



1F0000



000600



000711

# Rectangle

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



02001D



1C000F



000600



# Sweetspot

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



02001D



1C1B26



001B1D



0E0D14



949494



141414



# Same Dimension

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



02001D



030026



10001D



0E0E0F



05004F



0E00CF



# Inverse Universe

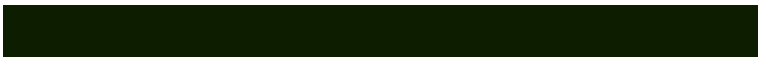
The Inverse Universe completely reimagines the original color for something new.



1D001B



260024



0D1D00



0F0E0F



4F004A



CF00C0



# Previews

## White Background



This preview shows how the Hex color 02001D looks on a white background.

## Color Contrast Check

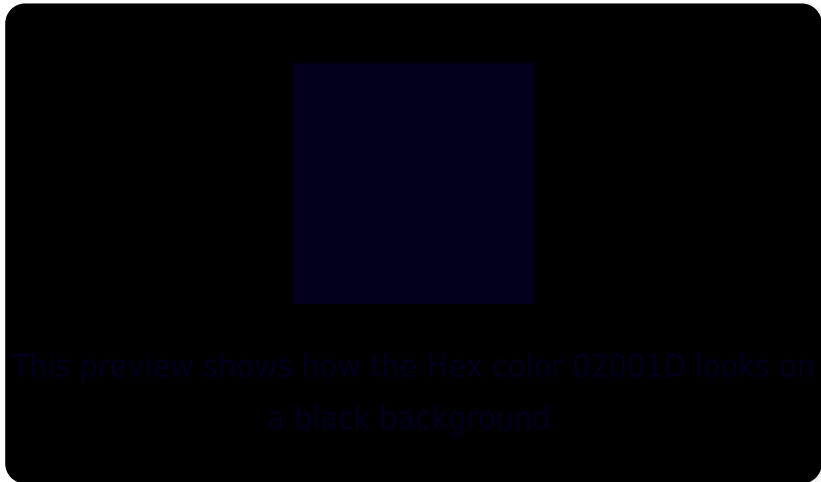
Large Text (above 18pt) WCAG AA ✓ Pass

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

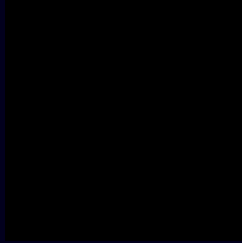
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 02001D Background



This preview shows how black text looks on a background with the Hex color 02001D.



This preview shows how white text looks on a background with the Hex color 02001D.

# 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](#).

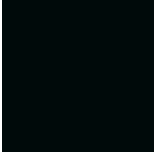
## Dichromacy



**Original Color**  
02001D

**Protanopia**  
000912

**Deuteranopia**  
00090F



**Tritanopia**  
000A0A

# Trichromacy



**Original Color**  
02001D

**Protanomaly**  
010616

**Deuteranomaly**  
010614

**Tritanomaly**  
010611

# Monochromacy



**Original Color**  
02001D

**Achromatopsia**  
040404

**Achromatomaly**  
03030D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 02001D 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 #02001D looks like.

```
.text, #text, p{  
    color:#02001D  
}
```

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 #02001D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #02001D
}
```

## Border

The CSS property to change the border of an element to Hex 02001D is called "border". The border property can be set on classes, ids or directly on the HTML element.

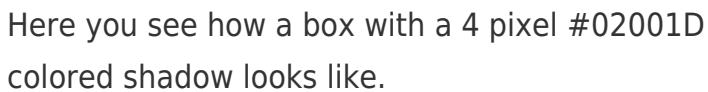
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#02001D }
```

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

```
.border{ border-color:#02001D }
```

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



Here you see how a box with a 4 pixel #02001D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #02001D; -webkit-box-shadow:4px 4px  
4px 4px #02001D; box-shadow:4px 4px 4px  
4px #02001D }
```

# Background

The CSS property to change the background color of an element to Hex 02001D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#02001D }
```

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

```
.background{ background-color:#02001D }
```

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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