

Converting Colors

Hex(12001F)

Have a look what the booklet for
Hex(12001F) contains.

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Color

Hex(12001F)

Conversions

Conversions Part 1

Format	Color
Hex	12001F
RGB	18, 0, 31
RGB Percent	7%, 0%, 12%
CMY	0.9294, 1.0000, 0.8784
CMYK	0.42, 1.00, 0.00, 0.88
HSL	275°, 100%, 6%
HSV	275°, 100%, 12%
XYZ	0.4968, 0.2275, 1.3141
YIQ	8.9160, 0.7770, 13.4570

Conversions

Conversions Part 2

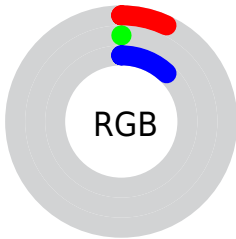
Format	Color
R_{YB}	18, 0, 31
Decimal	1179679
CIE Lab	2.06, 11.49, -14.75
CIE LCh	2, 18.695, 307.929
Yxy	0.2275, 0.2437, 0.1116
Android (android.graphics.Color)	4279369759 (0xFF12001F)
YUV	8.9160, 10.8874, 7.9667
Hunter-Lab	4.7700, 10.2427, -12.9945

Details

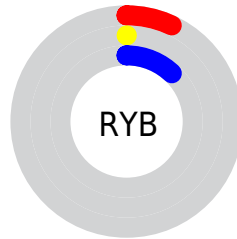
The Hex color **12001F** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **0D1F00**, and the grayscale version is **090909**.

A 20% lighter version of the original color is **3B304B**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **12001F**, and if you desaturate by 10%, it is **13031F**.

Distribution



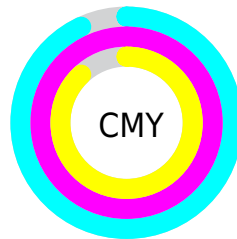
- Red (7%)
- Green (0%)
- Blue (12%)



- Red (7%)
- Yellow (0%)
- Blue (12%)



- Cyan (42%)
- Magenta (100%)
- Yellow (0%)
- Black (88%)



- Cyan (93%)
- Magenta (100%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the Hex color 12001F 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 12001F by changing the saturation by 10% instead.

 12001F

 12001F

 F2E2FF

 000003

 3B304B

 000000

 524663

 6B5E7C

 847795

 9E90B0

 B9ABCC

 D5C6E8

 12001F

■ 13031F

■ 15061F

■ 16091F

■ 170C1F

■ 19101F

■ 1A131F

■ 1B161F

■ 1C191F

■ 1E1C1F

Harmonies

Analogous

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



000724



12001F



1F0015

Triad

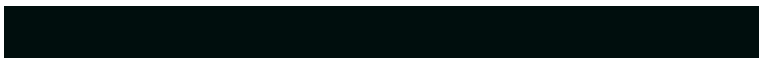
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



12001F



180200



000E0D

Complementary

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



12001F



0D1F00

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.



000E00



12001F



050900

Square

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



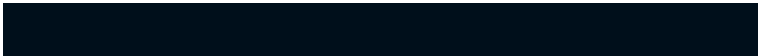
12001F



210000



000E00



000F1B

Rectangle

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



12001F



23000A



000E00



000E05

Sweetspot

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



12001F



241D29



000D1F



110D14



949494



141414

Same Dimension

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



12001F



180029



1F001D



0F0E0F



2E004F



7800CF

Inverse Universe

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



1F000D



290011



001F02



0F0E0E



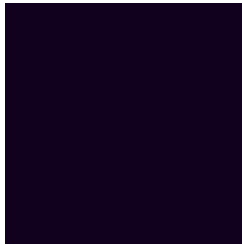
4F0021



CF0057

Previews

White Background



This preview shows how the Hex color 12001F looks on a white background.

Color Contrast Check

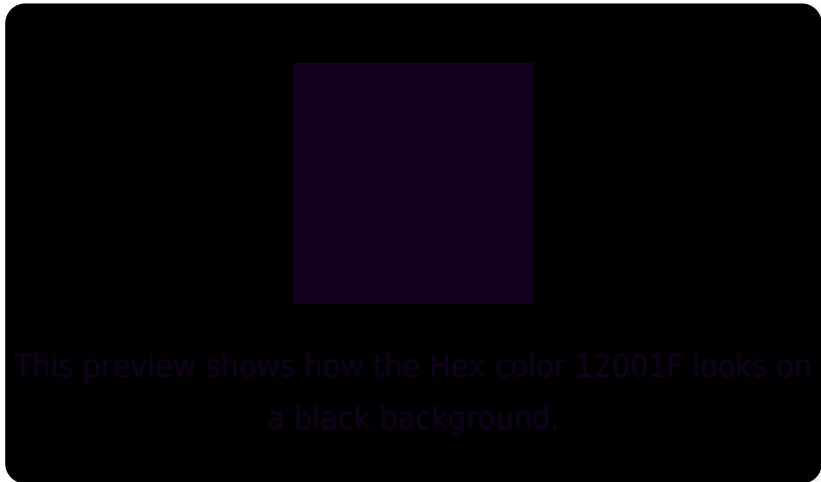
Large Text (above 18pt) WCAG AA ✓ Pass

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

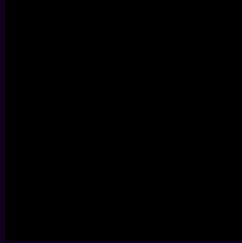
Any Text WCAG AA × Fail

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 12001F Background



This preview shows how black text looks on a background with the Hex color 12001F.



This preview shows how white text looks on a background with the Hex color 12001F.

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
12001F

Protanopia
000C1A

Deuteranopia
000D16

Trichromacy



Original Color
12001F

Protanomaly
07081C

Deuteranomaly
070819

Tritanomaly
0F0814

Monochromacy



Original Color
12001F

Achromatopsia
090909

Achromatomaly
0C0611

CSS Examples

Text

The CSS property to change the color of the text to Hex 12001F 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 #12001F looks like.

```
.text, #text, p{  
    color:#12001F  
}
```

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 #12001F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12001F
}
```

Border

The CSS property to change the border of an element to Hex 12001F is called "border". The border property can be set on classes, ids or directly on the HTML element.

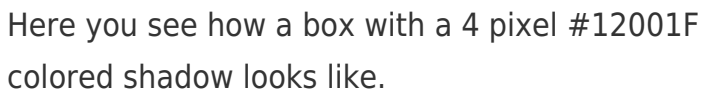
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#12001F }
```

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

```
.border{ border-color:#12001F }
```

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



Here you see how a box with a 4 pixel #12001F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12001F; -webkit-box-shadow:4px 4px  
4px 4px #12001F; box-shadow:4px 4px 4px  
4px #12001F }
```

Background

The CSS property to change the background color of an element to Hex 12001F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12001F }
```

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

```
.background{ background-color:#12001F }
```

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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