

# Converting Colors

Hex(13001B)

Have a look what the booklet for  
Hex(13001B) contains.

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# Color

**Hex(13001B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	13001B
RGB	19, 0, 27
RGB Percent	7%, 0%, 11%
CMY	0.9255, 1.0000, 0.8941
CMYK	0.30, 1.00, 0.00, 0.89
HSL	282°, 100%, 5%
HSV	282°, 100%, 11%
XYZ	0.4664, 0.2176, 1.0543
YIQ	8.7590, 2.6570, 12.4250

# Conversions

## Conversions Part 2

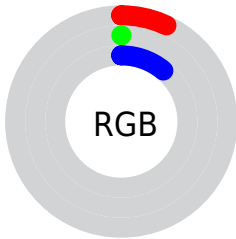
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	19, 0, 27
Decimal	1245211
CIE <sub>Lab</sub>	1.97, 10.63, -11.65
CIE <sub>LCh</sub>	2, 15.776, 312.379
Yxy	0.2176, 0.2683, 0.1252
Android (android.graphics.Color)	4279435291 (0xFF13001B)
YUV	8.7590, 8.9928, 8.9814
Hunter-Lab	4.6645, 9.6846, -10.1361

# Details

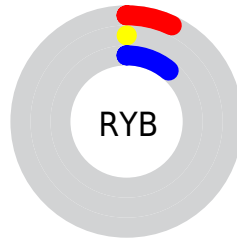
The Hex color **13001B** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **081B00**, and the grayscale version is **090909**.

A 20% lighter version of the original color is **3C3046**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **13001B**, and if you desaturate by 10%, it is **14031B**.

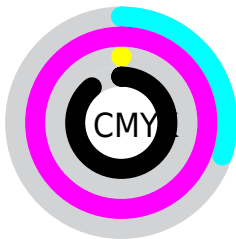
# Distribution



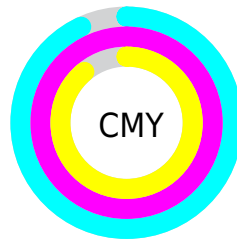
- Red (7%)
- Green (0%)
- Blue (11%)



- Red (7%)
- Yellow (0%)
- Blue (11%)



- Cyan (30%)
- Magenta (100%)
- Yellow (0%)
- Black (89%)



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

# Brightness & Saturation Gradients

These gradients show how the Hex color 13001B 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 13001B by changing the saturation by 10% instead.



 13001B

 13001B

 F3E2FE

 000000

 3C3046

 53465E

 6C5E76

 857790

 9F90AA

 BAABC6

 D6C6E2

 13001B

■ 14031B

■ 15051B

■ 15081B

■ 160B1B

■ 170E1B

■ 18101B

■ 19131B

■ 19161B

■ 1A181B

# Harmonies

## Analogous

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



000620



13001B



1D0012

# Triad

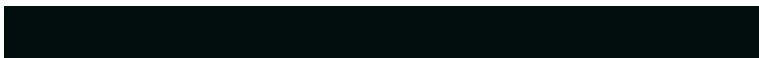
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



13001B



140300



000E0E

# Complementary

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



13001B



081B00

# 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.



000D00



13001B



020900

# Square

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



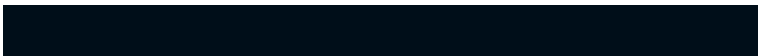
13001B



1D0000



000D00



000E19

# Rectangle

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



13001B



210006



000D00



000D08



# Sweetspot

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



13001B



211924



00081B



100B12



919191



121212



# Same Dimension

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



13001B



190024



1B0016



0C0B0D



36004D



9000CC



# Inverse Universe

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



1B0008



24000B



001B05



0D0B0C



4D0017

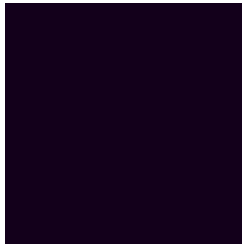


CC003C



# Previews

## White Background



This preview shows how the Hex color 13001B looks on a white background.

## Color Contrast Check

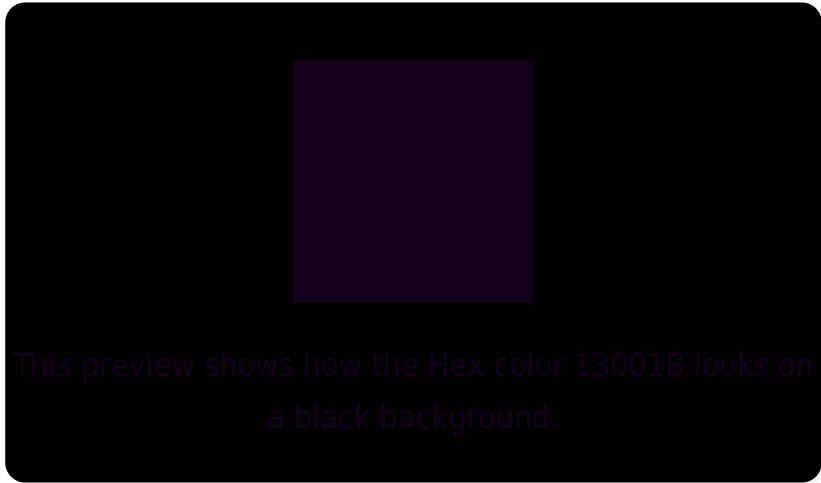
Large Text (above 18pt) WCAG AA ✓ Pass

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

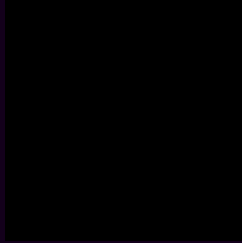
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 13001B Background



This preview shows how black text looks on a background with the Hex color 13001B.



This preview shows how white text looks on a background with the Hex color 13001B.

# 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**  
13001B

**Protanopia**  
000C19

**Deuteranopia**  
000D16



**Tritanopia**  
100B0B

# Trichromacy



**Original Color**  
13001B

**Protanomaly**  
07081A

**Deuteranomaly**  
070818

**Tritanomaly**  
110711

# Monochromacy



**Original Color**  
13001B

**Achromatopsia**  
090909

**Achromatomaly**  
0D0610

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 13001B 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 #13001B looks like.

```
.text, #text, p{  
    color:#13001B  
}
```

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 #13001B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #13001B
}
```

## Border

The CSS property to change the border of an element to Hex 13001B 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
#13001B }
```

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

```
.border{ border-color:#13001B }
```

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

Here you see how a box with a 4 pixel #13001B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #13001B; -webkit-box-shadow:4px 4px  
4px 4px #13001B; box-shadow:4px 4px 4px  
4px #13001B }
```

# Background

The CSS property to change the background color of an element to Hex 13001B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#13001B }
```

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

```
.background{ background-color:#13001B }
```

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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