

Converting Colors

Hex(1B171D)

Have a look what the booklet for
Hex(1B171D) contains.

Hex(1B171D)	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(1B171D)

Conversions

Conversions Part 1

Format	Color
Hex	1B171D
RGB	27, 23, 29
RGB Percent	11%, 9%, 11%
CMY	0.8941, 0.9098, 0.8863
CMYK	0.07, 0.21, 0.00, 0.89
HSL	280°, 12%, 10%
HSV	280°, 21%, 11%
XYZ	0.9802, 0.9345, 1.2911
YIQ	24.8800, 0.4580, 2.7140

Conversions

Conversions Part 2

Format	Color
RYB	27, 23, 29
Decimal	1775389
CIELab	8.43, 3.51, -3.48
CIELCh	8, 4.946, 315.285
Yxy	0.9345, 0.3057, 0.2915
Android (android.graphics.Color)	4279965469 (0xFF1B171D)
YUV	24.8800, 2.0312, 1.8592
Hunter-Lab	9.6670, 1.1813, -1.1518

Details

The Hex color **1B171D** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **191D17**, and the grayscale version is **191919**.

A 20% lighter version of the original color is **464248**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **1A141D**, and if you desaturate by 10%, it is **1C1A1D**.

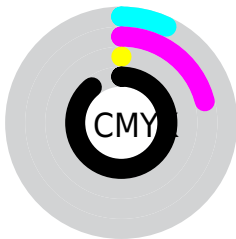
Distribution



- Red (11%)
- Green (9%)
- Blue (11%)



- Red (11%)
- Yellow (9%)
- Blue (11%)



- Cyan (7%)
- Magenta (21%)
- Yellow (0%)
- Black (89%)



- Cyan (89%)
- Magenta (91%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Hex color 1B171D 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 1B171D by changing the saturation by 10% instead.

■ 1B171D

■ 1B171D

■ FFF9FF

■ 000002

■ 464248

■ 000000

■ 5E5960

■ 767179

■ 908B93

■ ABA5AD

■ C6C0C9

■ E2DCE5

■ 1B171D

■ 1B171D

■ 1A141D

■ 1C1A1D

■ 19111D

■ 1D1D1D

■ 180E1D

■ 1E201D

■ 170B1D

■ 1F231D

■ 16091D

■ 20261D

■ 15061D

■ 21281D

■ 14031D

■ 222B1D

■ 13001D

■ 232E1D

■ 24311D

Harmonies

Analogous

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



17181F



1B171D



1E161A

Triad

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



1B171D



1D1811



101A1A

Complementary

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



1B171D



191D17

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.



121A17



1B171D



191911

Square

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



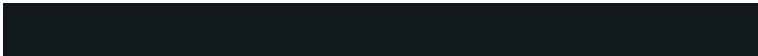
1B171D



1F1714



151A13



101A1D

Rectangle

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



1B171D



1F1618



151A13



101A19

Sweetspot

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



1B171D



252426



17191D



141314



949494



141414

Same Dimension

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



1B171D



231D26



1D171C



0F0E0F



35004F



8A00CF

Inverse Universe

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



1D1719



261D20



171D18



0F0E0E



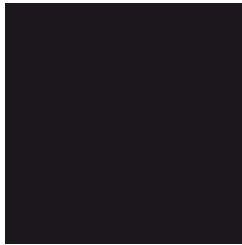
4F001A



CF0045

Previews

White Background



This preview shows how the Hex color 1B171D looks on a white background.

Color Contrast Check

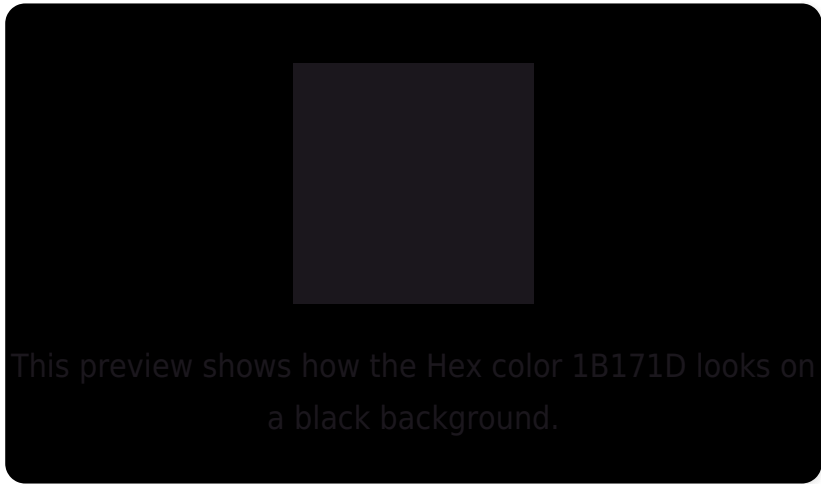
Large Text (above 18pt) WCAG AA ✓ Pass

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

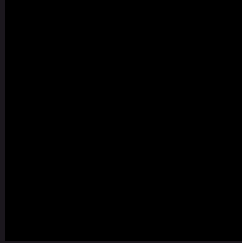
Any Text WCAG AA × Fail

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 1B171D Background



This preview shows how black text looks on a background with the Hex color 1B171D.

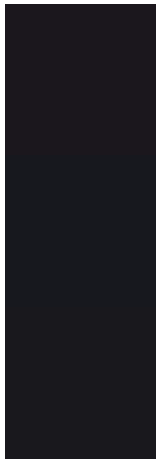


This preview shows how white text looks on a background with the Hex color 1B171D.

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](#).

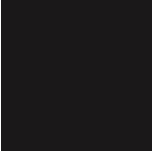
Dichromacy



Original Color
1B171D

Protanopia
17181E

Deuteranopia
19181D



Tritanopia
1A1819

Trichromacy



Original Color

1B171D

Protanomaly

18181E

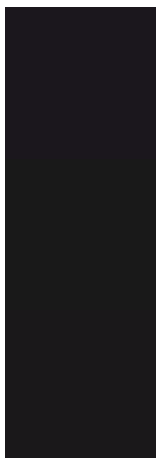
Deuteranomaly

1A181D

Tritanomaly

1A181A

Monochromacy



Original Color

1B171D

Achromatopsia

191919

Achromatomaly

1A181A

CSS Examples

Text

The CSS property to change the color of the text to Hex 1B171D 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 #1B171D looks like.

```
.text, #text, p{  
    color:#1B171D  
}
```

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 #1B171D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1B171D
}
```

Border

The CSS property to change the border of an element to Hex 1B171D is called "border". The border property can be set on classes, ids or directly on the HTML element.

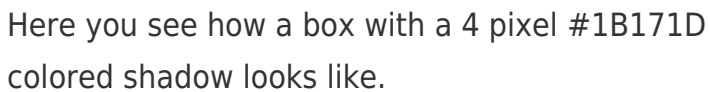
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#1B171D }
```

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

```
.border{ border-color:#1B171D }
```

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



Here you see how a box with a 4 pixel #1B171D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1B171D; -webkit-box-shadow:4px 4px  
4px 4px #1B171D; box-shadow:4px 4px 4px  
4px #1B171D }
```

Background

The CSS property to change the background color of an element to Hex 1B171D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1B171D }
```

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

```
.background{ background-color:#1B171D }
```

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