

Converting Colors

Hex(2B171F)

Have a look what the booklet for
Hex(2B171F) contains.

Hex(2B171F)	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(2B171F)

Conversions

Conversions Part 1

Format	Color
Hex	2B171F
RGB	43, 23, 31
RGB Percent	17%, 9%, 12%
CMY	0.8314, 0.9098, 0.8784
CMYK	0.00, 0.47, 0.28, 0.83
HSL	336°, 30%, 13%
HSV	336°, 47%, 17%
XYZ	1.5500, 1.2253, 1.4511
YIQ	29.8920, 9.3520, 6.7280

Conversions

Conversions Part 2

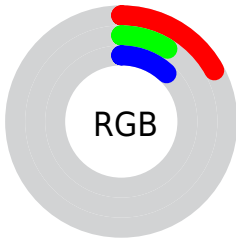
Format	Color
RYB	43, 23, 31
Decimal	2823967
CIELab	10.74, 11.52, -1.31
CIELCh	11, 11.598, 353.514
Yxy	1.2253, 0.3667, 0.2899
Android (android.graphics.Color)	4281014047 (0xFF2B171F)
YUV	29.8920, 0.5462, 11.4957
Hunter-Lab	11.0694, 5.6229, -0.0240

Details

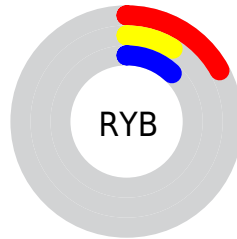
The Hex color **2B171F** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **172B23**, and the grayscale version is **1E1E1E**.

A 20% lighter version of the original color is **59424B**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **2B131C**, and if you desaturate by 10%, it is **2B1B22**.

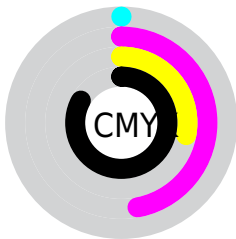
Distribution



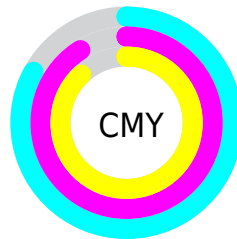
- Red (17%)
- Green (9%)
- Blue (12%)



- Red (17%)
- Yellow (9%)
- Blue (12%)



- Cyan (0%)
- Magenta (47%)
- Yellow (28%)
- Black (83%)



- Cyan (83%)
- Magenta (91%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2B171F 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 2B171F by changing the saturation by 10% instead.

■ 2B171F

■ 2B171F

■ FFFAFF

■ 190006

■ 59424B

■ 000000

■ 725A62

■ 8C727B

■ A68C95

■ C1A6B0

■ DDC1CB

■ FADDE7

■ 2B171F

■ 2B171F

■ 2B131C

■ 2B1B22

■ 2B0E1A

■ 2B2024

■ 2B0A17

■ 2B2427

■ 2B0615

■ 2B2829

■ 2B0212

■ 2B2D2C

■ 2B0011

■ 2B312E

■ 2B3531

■ 2B3934

■ 2B3E36

Harmonies

Analogous

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



251926



2B171F



2C1717

Triad

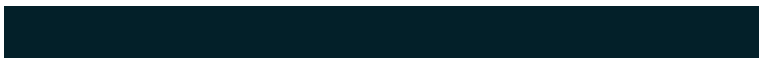
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



2B171F



1C1E0D



032029

Complementary

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



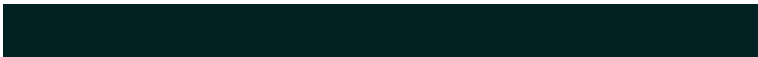
2B171F



172B23

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.



022123



2B171F



132013

Square

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



2B171F



241C0B



08211B



0F1E2C

Rectangle

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



2B171F



2B1812



08211B



022128

Sweetspot

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



2B171F



383033



23172B



1C1719



9C9C9C



1C1C1C

Same Dimension

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



2B171F



381925



2B1917



141213



540022



D40055

Inverse Universe

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



2B171F



381925



17292B



141213



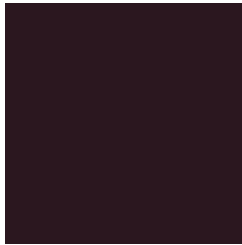
540022



D40055

Previews

White Background



This preview shows how the Hex color 2B171F looks on a white background.

Color Contrast Check

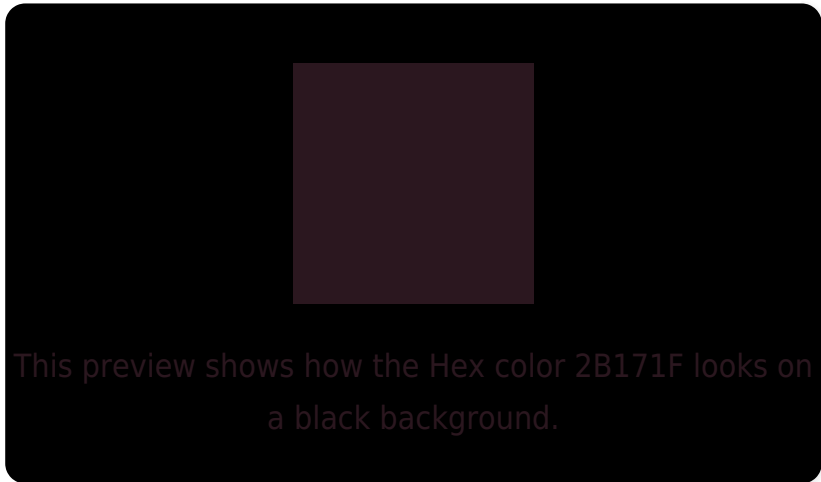
Large Text (above 18pt) WCAG AA ✓ Pass

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

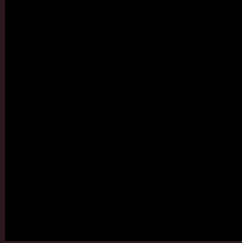
Any Text WCAG AA × Fail

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 2B171F Background



This preview shows how black text looks on a background with the Hex color 2B171F.

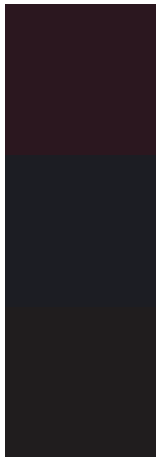


This preview shows how white text looks on a background with the Hex color 2B171F.

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](#).

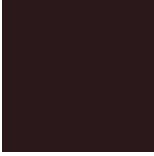
Dichromacy



Original Color
2B171F

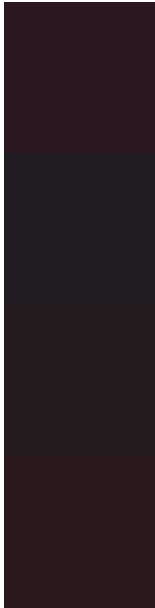
Protanopia
1C1D23

Deuteranopia
201D1E



Tritanopia
2B181A

Trichromacy



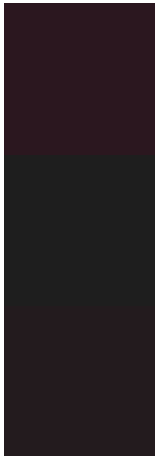
Original Color
2B171F

Protanomaly
211B22

Deuteranomaly
241B1E

Tritanomaly
2B181C

Monochromacy



Original Color
2B171F

Achromatopsia
1E1E1E

Achromatomaly
231B1E

CSS Examples

Text

The CSS property to change the color of the text to Hex 2B171F 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 #2B171F looks like.

```
.text, #text, p{  
    color:#2B171F  
}
```

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 #2B171F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2B171F
}
```

Border

The CSS property to change the border of an element to Hex 2B171F 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
#2B171F }
```

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

```
.border{ border-color:#2B171F }
```

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

Here you see how a box with a 4 pixel #2B171F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2B171F; -webkit-box-shadow:4px 4px  
4px 4px #2B171F; box-shadow:4px 4px 4px  
4px #2B171F }
```

Background

The CSS property to change the background color of an element to Hex 2B171F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2B171F }
```

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

```
.background{ background-color:#2B171F }
```

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