

Converting Colors

Hex(16231F)

Have a look what the booklet for
Hex(16231F) contains.

Hex(16231F)	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(16231F)

Conversions

Conversions Part 1

Format	Color
Hex	16231F
RGB	22, 35, 31
RGB Percent	9%, 14%, 12%
CMY	0.9137, 0.8627, 0.8784
CMYK	0.37, 0.00, 0.11, 0.86
HSL	162°, 23%, 11%
HSV	162°, 37%, 14%
XYZ	1.1792, 1.4716, 1.5182
YIQ	30.6570, -6.4640, -4.0000

Conversions

Conversions Part 2

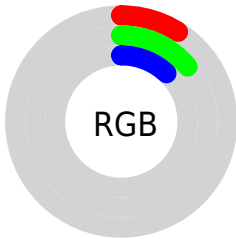
Format	Color
RYB	22, 30, 35
Decimal	1450783
CIELab	12.43, -6.78, 0.87
CIELCh	12, 6.832, 172.661
Yxy	1.4716, 0.2829, 0.3530
Android (android.graphics.Color)	4279640863 (0xFF16231F)
YUV	30.6570, 0.1691, -7.5922
Hunter-Lab	12.1308, -3.8770, 1.0712

Details

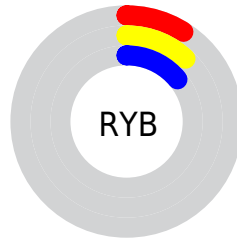
The Hex color **16231F** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **23161A**, and the grayscale version is **1F1F1F**.

A 20% lighter version of the original color is **414F4B**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **12231E**, and if you desaturate by 10%, it is **192320**.

Distribution



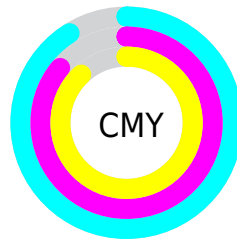
- Red (9%)
- Green (14%)
- Blue (12%)



- Red (9%)
- Yellow (12%)
- Blue (14%)



- Cyan (37%)
- Magenta (0%)
- Yellow (11%)
- Black (86%)



- Cyan (91%)
- Magenta (86%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the Hex color 16231F 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 16231F by changing the saturation by 10% instead.

■ 16231F

■ 16231F

■ F8FFFF

■ 000E06

■ 414F4B

■ 000000

■ 586762

■ 71817B

■ 8B9B95

■ A5B5B0

■ C0D1CB

■ DCEDE7

■ 16231F

■ 16231F

■ 12231E

■ 192320

■ 0F231D

■ 1D2321

■ 0C231C

■ 212322

■ 08231B

■ 242323

■ 04231A

■ 282324

■ 012319

■ 2B2325

■ 002318

■ 2F2327

■ 322328

■ 362329

Harmonies

Analogous

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



1B221B



16231F



132324

Triad

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



16231F



202029



291E19

Complementary

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



16231F



23161A

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.



2A1D1D



16231F



251E26

Square

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



16231F



19212A



291D22



252017

Rectangle

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



16231F



142327



291D22



291E1A

Sweetspot

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



16231F



292E2C



1A2316



141716



969696



171717

Same Dimension

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



16231F



192E28



162123



101211



005238



00D191

Inverse Universe

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



23161A



2E1920



231816



121011



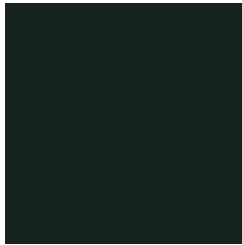
520019



D10040

Previews

White Background



This preview shows how the Hex color 16231F looks on a white background.

Color Contrast Check

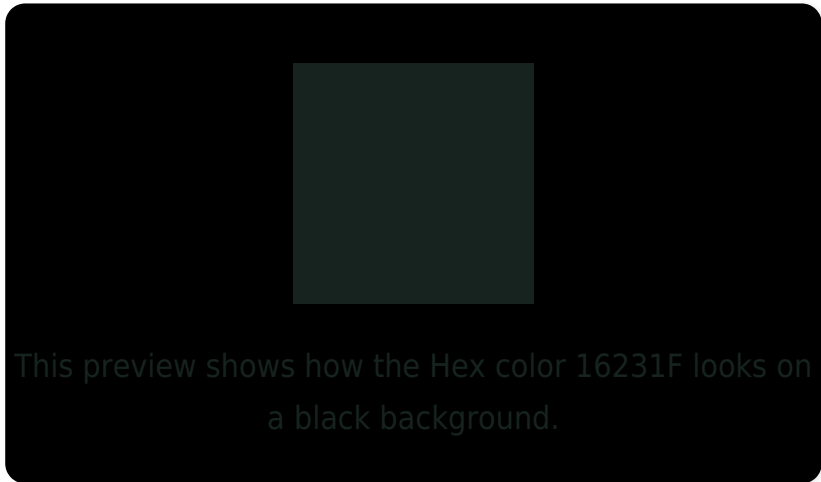
Large Text (above 18pt) WCAG AA ✓ Pass

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

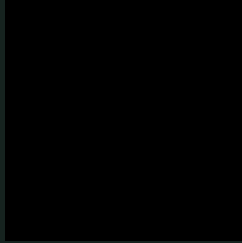
Any Text WCAG AA × Fail

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 16231F Background



This preview shows how black text looks on a background with the Hex color 16231F.

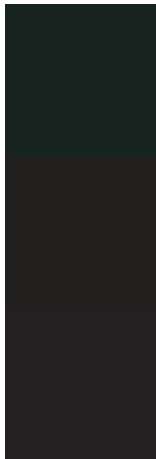


This preview shows how white text looks on a background with the Hex color 16231F.

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
16231F

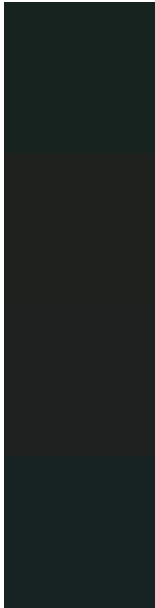
Protanopia
22201E

Deuteranopia
241F20



Tritanopia
172225

Trichromacy



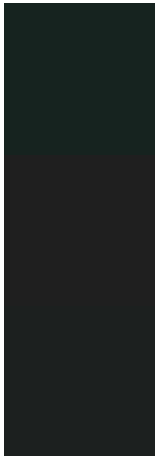
Original Color
16231F

Protanomaly
1E211E

Deuteranomaly
1F2020

Tritanomaly
172223

Monochromacy



Original Color
16231F

Achromatopsia
1F1F1F

Achromatomaly
1C201F

CSS Examples

Text

The CSS property to change the color of the text to Hex 16231F 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 #16231F looks like.

```
.text, #text, p{  
    color:#16231F  
}
```

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 #16231F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #16231F
}
```

Border

The CSS property to change the border of an element to Hex 16231F 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
#16231F }
```

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

```
.border{ border-color:#16231F }
```

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

Here you see how a box with a 4 pixel #16231F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #16231F; -webkit-box-shadow:4px 4px  
4px 4px #16231F; box-shadow:4px 4px 4px  
4px #16231F }
```

Background

The CSS property to change the background color of an element to Hex 16231F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#16231F }
```

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

```
.background{ background-color:#16231F }
```

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