

# Converting Colors

Hex(19231E)

Have a look what the booklet for  
Hex(19231E) contains.

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# Color

**Hex(19231E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	19231E
RGB	25, 35, 30
RGB Percent	10%, 14%, 12%
CMY	0.9020, 0.8627, 0.8824
CMYK	0.29, 0.00, 0.14, 0.86
HSL	150°, 17%, 12%
HSV	150°, 29%, 14%
XYZ	1.2363, 1.5025, 1.4531
YIQ	31.4400, -4.3550, -3.6750

# Conversions

## Conversions Part 2

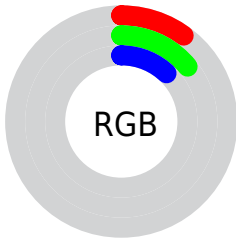
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	25, 32, 35
Decimal	1647390
CIE Lab	12.62, -5.79, 1.91
CIE LCh	13, 6.098, 161.734
Yxy	1.5025, 0.2949, 0.3584
Android (android.graphics.Color)	4279837470 (0xFF19231E)
YUV	31.4400, -0.7099, -5.6479
Hunter-Lab	12.2575, -3.4474, 1.5514

# Details

The Hex color **19231E** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **23191E**, and the grayscale version is **1F1F1F**.

A 20% lighter version of the original color is **444F4A**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **15231C**, and if you desaturate by 10%, it is **1C2320**.

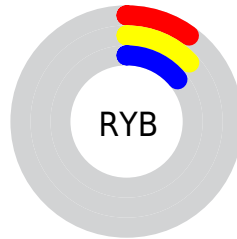
# Distribution



Red (10%)

Green (14%)

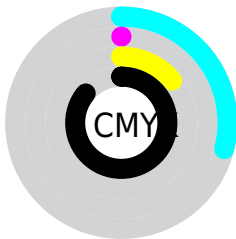
Blue (12%)



Red (10%)

Yellow (13%)

Blue (14%)

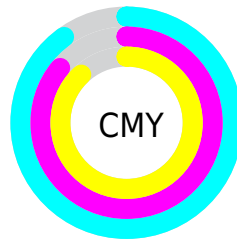


Cyan (29%)

Magenta (0%)

Yellow (14%)

Black (86%)



Cyan (90%)

Magenta (86%)

Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 19231E 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 19231E by changing the saturation by 10% instead.



■ 19231E

■ 19231E

■ FCFFFF

■ 000E05

■ 444F4A

■ 000000

■ 5C6761

■ 74807A

■ 8E9A94

■ A8B5AE

■ C4D1CA

■ E0EDE6

■ 19231E

■ 19231E

■ 15231C

■ 1C2320

■ 12231B

■ 202322

■ 0E2319

■ 242323

■ 0B2317

■ 272325

■ 072315

■ 2B2327

■ 042314

■ 2E2329

■ 002312

■ 32232A

■ 35232C

■ 39232E

# Harmonies

## Analogous

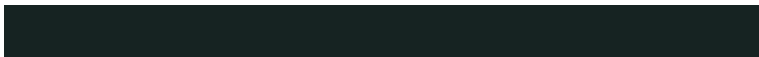
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



1E221A



19231E



162322

# Triad

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



19231E



1E2129



291E1B

# Complementary

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



19231E



23191E

# 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.



2A1E1F



19231E



241F27

# Square

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



19231E



192229



281E24



262019

# Rectangle

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



19231E



152325



281E24



291E1D



# Sweetspot

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



19231E



2A2E2C



1E2319



141716



969696



171717



# Same Dimension

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



19231E



1E2E26



192323



101211



005229



00D169



# Inverse Universe

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



23191E



2E1E26



231919



121011



520029



D10069



# Previews

## White Background



This preview shows how the Hex color 19231E looks on a white background.

## Color Contrast Check

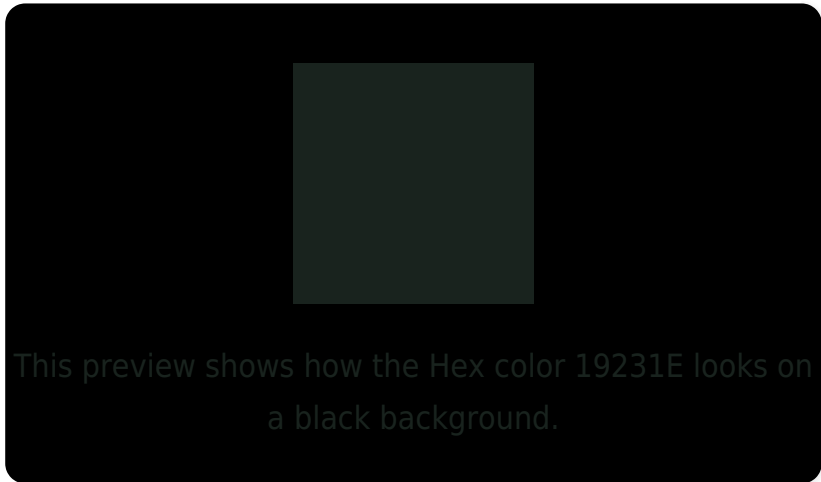
Large Text (above 18pt) WCAG AA ✓ Pass

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

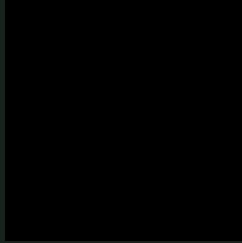
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 19231E Background



This preview shows how black text looks on a background with the Hex color 19231E.

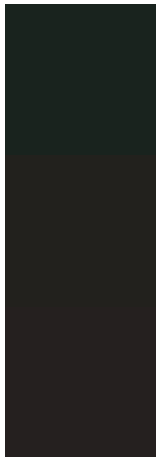


This preview shows how white text looks on a background with the Hex color 19231E.

# 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**  
19231E

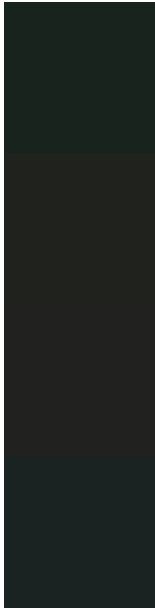
**Protanopia**  
22211D

**Deuteranopia**  
25201F



**Tritanopia**  
1A2225

# Trichromacy



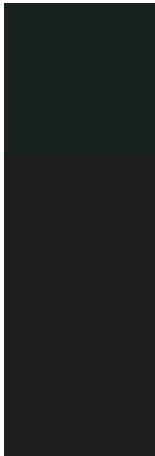
**Original Color**  
19231E

**Protanomaly**  
1F221D

**Deuteranomaly**  
21211F

**Tritanomaly**  
1A2222

# Monochromacy



**Original Color**  
19231E

**Achromatopsia**  
1F1F1F

**Achromatomaly**  
1D201F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 19231E 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 #19231E looks like.

```
.text, #text, p{  
    color:#19231E  
}
```

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 #19231E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #19231E
}
```

## Border

The CSS property to change the border of an element to Hex 19231E is called "border". The border property can be set on classes, ids or directly on the HTML element.

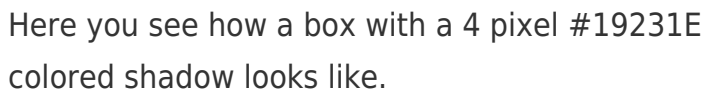
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#19231E }
```

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

```
.border{ border-color:#19231E }
```

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



Here you see how a box with a 4 pixel #19231E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #19231E; -webkit-box-shadow:4px 4px  
4px 4px #19231E; box-shadow:4px 4px 4px  
4px #19231E }
```

# Background

The CSS property to change the background color of an element to Hex 19231E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#19231E }
```

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

```
.background{ background-color:#19231E }
```

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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