

Converting Colors

Hex(22191B)

Have a look what the booklet for
Hex(22191B) contains.

Hex(22191B)	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(22191B)

Conversions

Conversions Part 1

Format	Color
Hex	22191B
RGB	34, 25, 27
RGB Percent	13%, 10%, 11%
CMY	0.8667, 0.9020, 0.8941
CMYK	0.00, 0.26, 0.21, 0.87
HSL	347°, 15%, 12%
HSV	347°, 26%, 13%
XYZ	1.2051, 1.1145, 1.1885
YIQ	27.9190, 4.7220, 2.5300

Conversions

Conversions Part 2

Format	Color
RYB	34, 25, 27
Decimal	2234651
CIELab	9.91, 4.91, 0.31
CIELCh	10, 4.918, 3.597
Yxy	1.1145, 0.3435, 0.3177
Android (android.graphics.Color)	4280424731 (0xFF22191B)
YUV	27.9190, -0.4531, 5.3330
Hunter-Lab	10.5569, 1.9026, 0.7149

Details

The Hex color **22191B** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **192220**, and the grayscale version is **1C1C1C**.

A 20% lighter version of the original color is **4E4446**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **221618**, and if you desaturate by 10%, it is **221C1E**.

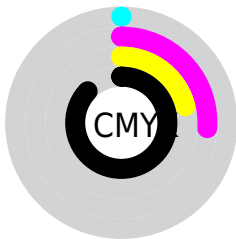
Distribution



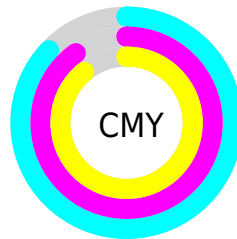
- Red (13%)
- Green (10%)
- Blue (11%)



- Red (13%)
- Yellow (10%)
- Blue (11%)



- Cyan (0%)
- Magenta (26%)
- Yellow (21%)
- Black (87%)



- Cyan (87%)
- Magenta (90%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Hex color 22191B 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 22191B by changing the saturation by 10% instead.

■ 22191B

■ 22191B

■ FFFCFE

■ 0C0000

■ 4E4446

■ 000000

■ 665B5E

■ 807476

■ 998D90

■ B4A8AA

■ D0C3C6

■ ECDFE2

■ 22191B

■ 22191B

■ 221618

■ 221C1E

■ 221216

■ 222020

■ 220F13

■ 222323

■ 220B10

■ 222726

■ 22080E

■ 222A28

■ 22050B

■ 222D2B

■ 220108

■ 22312E

■ 220008

■ 223430

■ 223833

Harmonies

Analogous

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



20191E



22191B



221918

Triad

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



22191B



1A1C16



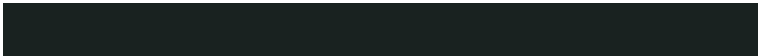
141C21

Complementary

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



22191B



192220

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.



131D1F



22191B



161D18

Square

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



22191B



1E1B15



131D1C



181B22

Rectangle

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



22191B



211A16



131D1C



141D20

Sweetspot

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



22191B



2B2829



201922



171515



969696



171717

Same Dimension

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



22191B



2B1D21



221B19



121010



520012



D1002E

Inverse Universe

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



22191B



2B1D21



192022



121010



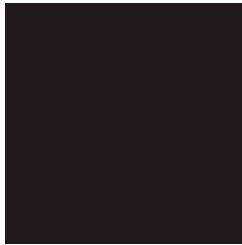
520012



D1002E

Previews

White Background



This preview shows how the Hex color 22191B looks on a white background.

Color Contrast Check

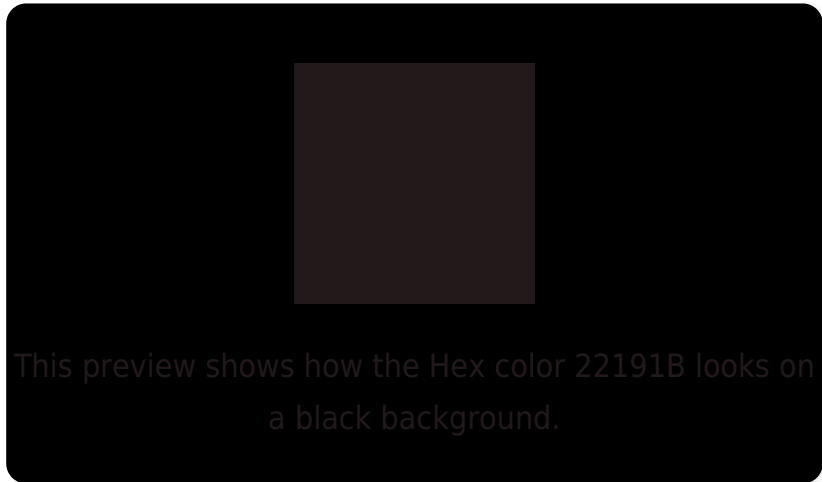
Large Text (above 18pt) WCAG AA ✓ Pass

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

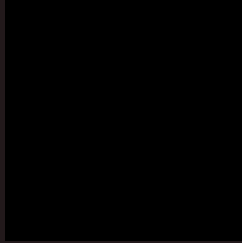
Any Text WCAG AA × Fail

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 22191B Background



This preview shows how black text looks on a background with the Hex color 22191B.

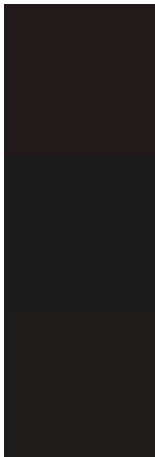


This preview shows how white text looks on a background with the Hex color 22191B.

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
22191B

Protanopia
1C1B1C

Deuteranopia
1E1B1B



Tritanopia
22191B

Trichromacy



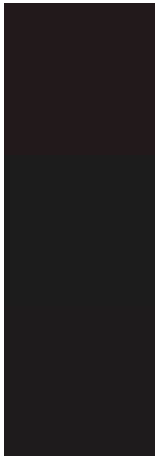
Original Color
22191B

Protanomaly
1E1A1C

Deuteranomaly
1F1A1B

Tritanomaly
22191B

Monochromacy



Original Color
22191B

Achromatopsia
1C1C1C

Achromatomaly
1E1B1C

CSS Examples

Text

The CSS property to change the color of the text to Hex 22191B 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 #22191B looks like.

```
.text, #text, p{  
    color:#22191B  
}
```

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 #22191B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #22191B
}
```

Border

The CSS property to change the border of an element to Hex 22191B is called "border". The border property can be set on classes, ids or directly on the HTML element.

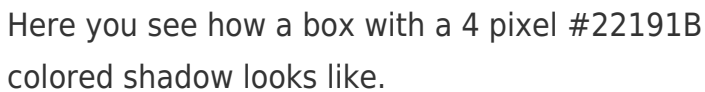
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#22191B }
```

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

```
.border{ border-color:#22191B }
```

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



Here you see how a box with a 4 pixel #22191B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #22191B; -webkit-box-shadow:4px 4px  
4px 4px #22191B; box-shadow:4px 4px 4px  
4px #22191B }
```

Background

The CSS property to change the background color of an element to Hex 22191B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#22191B }
```

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

```
.background{ background-color:#22191B }
```

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