

Converting Colors

Hex(221B31)

Have a look what the booklet for
Hex(221B31) contains.

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Color

Hex(221B31)

Conversions

Conversions Part 1

Format	Color
Hex	221B31
RGB	34, 27, 49
RGB Percent	13%, 11%, 19%
CMY	0.8667, 0.8941, 0.8078
CMYK	0.31, 0.45, 0.00, 0.81
HSL	259°, 29%, 15%
HSV	259°, 45%, 19%
XYZ	1.6060, 1.3457, 3.0808
YIQ	31.6010, -2.8900, 8.3260

Conversions

Conversions Part 2

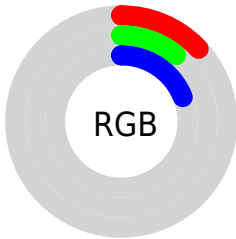
Format	Color
RYB	34, 27, 49
Decimal	2235185
CIELab	11.59, 9.38, -13.37
CIELCh	12, 16.332, 305.033
Yxy	1.3457, 0.2662, 0.2231
Android (android.graphics.Color)	4280425265 (0xFF221B31)
YUV	31.6010, 8.5777, 2.1039
Hunter-Lab	11.6004, 4.4113, -7.6259

Details

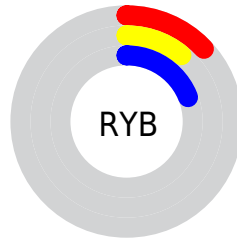
The Hex color **221B31** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **2A311B**, and the grayscale version is **202020**.

A 20% lighter version of the original color is **4F465F**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **1F1631**, and if you desaturate by 10%, it is **252031**.

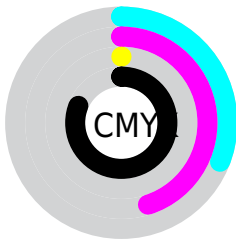
Distribution



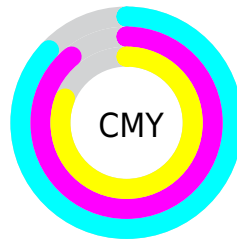
- Red (13%)
- Green (11%)
- Blue (19%)



- Red (13%)
- Yellow (11%)
- Blue (19%)



- Cyan (31%)
- Magenta (45%)
- Yellow (0%)
- Black (81%)



- Cyan (87%)
- Magenta (89%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Hex color 221B31 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 221B31 by changing the saturation by 10% instead.

■ 221B31

■ 221B31

FFFFFF

■ 0E001C

■ 4F465F

■ 000000

■ 675E78

■ 807792

■ 9A90AC

■ B5ABC8

■ D1C6E4

■ EDE2FF

■ 221B31

■ 221B31

■ 1F1631

■ 252031

■ 1B1131

■ 292531

■ 180C31

■ 2C2A31

■ 150731

■ 2F2F31

■ 110231

■ 333431

■ 100031

■ 363831

■ 393D31

■ 3D4231

■ 404731

Harmonies

Analogous

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



0F1F35



221B31



2E1728

Triad

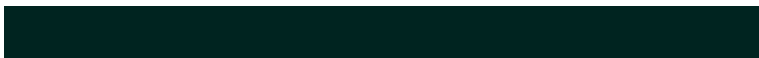
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



221B31



2D1B06



002420

Complementary

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



221B31



2A311B

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.



082415



221B31



241F02

Square

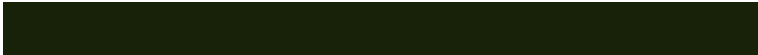
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



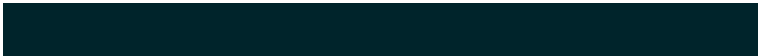
221B31



331712



182209



00242B

Rectangle

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



221B31



321521



182209



00241C

Sweetspot

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



221B31



3A3740



1B2A31



1E1C21



A1A1A1



212121

Same Dimension

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



221B31



281D40



2D1B31



18171A



1C0059



4500D9

Inverse Universe

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



311B2A



401D35



1F311B



1A1719



59003D



D90094

Previews

White Background



This preview shows how the Hex color 221B31 looks on a white background.

Color Contrast Check

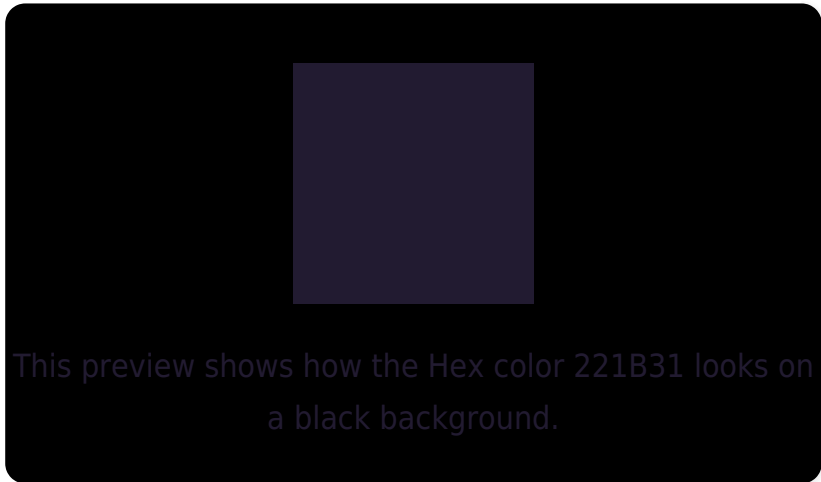
Large Text (above 18pt) WCAG AA ✓ Pass

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

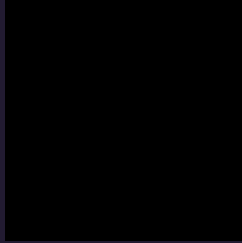
Any Text WCAG AA × Fail

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 221B31 Background



This preview shows how black text looks on a background with the Hex color 221B31.



This preview shows how white text looks on a background with the Hex color 221B31.

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
221B31

Protanopia
161E34

Deuteranopia
161F30



Tritanopia
1F1F21

Trichromacy



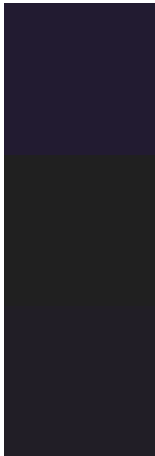
Original Color
221B31

Protanomaly
1A1D33

Deuteranomaly
1A1E30

Tritanomaly
201E27

Monochromacy



Original Color
221B31

Achromatopsia
202020

Achromatomaly
211E26

CSS Examples

Text

The CSS property to change the color of the text to Hex 221B31 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 #221B31 looks like.

```
.text, #text, p{  
    color:#221B31  
}
```

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 #221B31 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #221B31
}
```

Border

The CSS property to change the border of an element to Hex 221B31 is called "border". The border property can be set on classes, ids or directly on the HTML element.

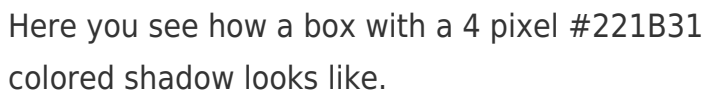
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#221B31 }
```

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

```
.border{ border-color:#221B31 }
```

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



Here you see how a box with a 4 pixel #221B31 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #221B31; -webkit-box-shadow:4px 4px  
4px 4px #221B31; box-shadow:4px 4px 4px  
4px #221B31 }
```

Background

The CSS property to change the background color of an element to Hex 221B31 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#221B31 }
```

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

```
.background{ background-color:#221B31 }
```

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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