

Converting Colors

Hex(220D31)

Have a look what the booklet for
Hex(220D31) contains.

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Color

Hex(220D31)

Conversions

Conversions Part 1

Format	Color
Hex	220D31
RGB	34, 13, 49
RGB Percent	13%, 5%, 19%
CMY	0.8667, 0.9490, 0.8078
CMYK	0.31, 0.73, 0.00, 0.81
HSL	275°, 58%, 12%
HSV	275°, 73%, 19%
XYZ	1.3580, 0.8497, 2.9982
YIQ	23.3830, 0.9600, 15.6480

Conversions

Conversions Part 2

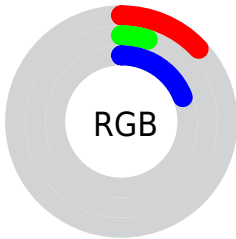
Format	Color
RYB	34, 13, 49
Decimal	2231601
CIELab	7.68, 19.28, -19.58
CIELCh	8, 27.475, 314.563
Yxy	0.8497, 0.2609, 0.1632
Android (android.graphics.Color)	4280421681 (0xFF220D31)
YUV	23.3830, 12.6292, 9.3111
Hunter-Lab	9.2178, 10.1659, -12.8320

Details

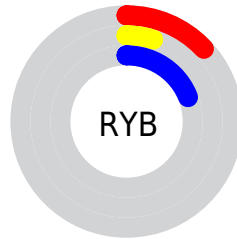
The Hex color **220D31** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **1C310D**, and the grayscale version is **171717**.

A 20% lighter version of the original color is **503860**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **200831**, and if you desaturate by 10%, it is **241231**.

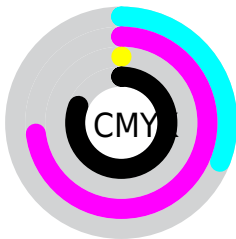
Distribution



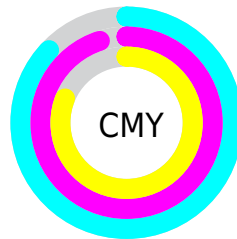
- Red (13%)
- Green (5%)
- Blue (19%)



- Red (13%)
- Yellow (5%)
- Blue (19%)



- Cyan (31%)
- Magenta (73%)
- Yellow (0%)
- Black (81%)



- Cyan (87%)
- Magenta (95%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Hex color 220D31 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 220D31 by changing the saturation by 10% instead.

 220D31

 220D31

 FFEDFF

 06001C

 503860

 000000

 694F78

 826792

 9C80AD

 B79AC8

 D3B5E4

 F0D1FF

 220D31

 220D31

■ 200831

■ 241231

■ 1E0331

■ 261731

■ 1D0031

■ 281C31

■ 2A2131

■ 2C2631

■ 2E2A31

■ 302F31

■ 323431

■ 343931

Harmonies

Analogous

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



00163A



220D31



320321

Triad

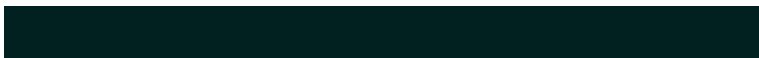
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



220D31



261300



00211F

Complementary

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



220D31



1C310D

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.



002009



220D31



151900

Square

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



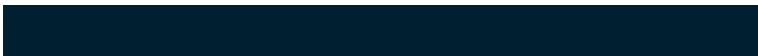
220D31



310900



001E00



001F30

Rectangle

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



220D31



360115



001E00



002119

Sweetspot

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



220D31



3A3240



0D1C31



1E1921



A1A1A1



212121

Same Dimension

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



220D31



280840



310D2E



18171A



340059



7E00D9

Inverse Universe

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



310D1C



40081F



0D3110



1A1718



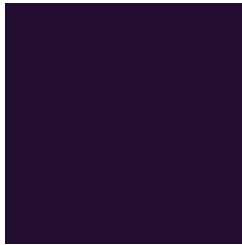
590025



D9005A

Previews

White Background



This preview shows how the Hex color 220D31 looks on a white background.

Color Contrast Check

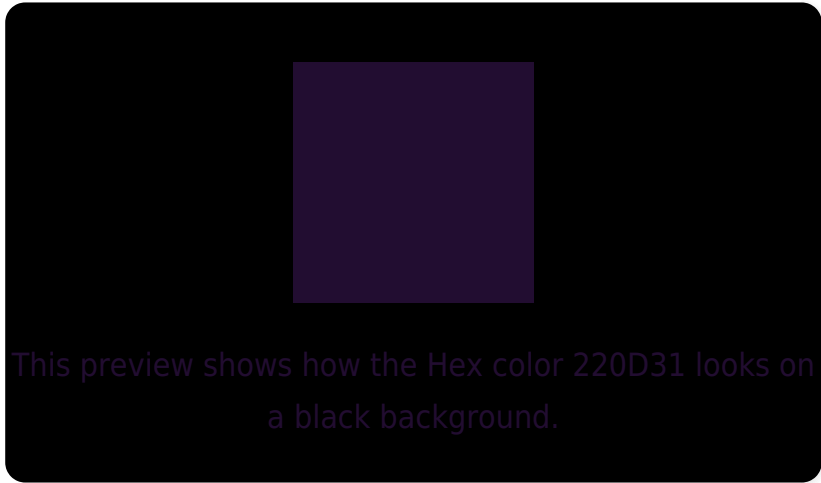
Large Text (above 18pt) WCAG AA ✓ Pass

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

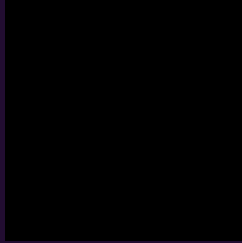
Any Text WCAG AA × Fail

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 220D31 Background



This preview shows how black text looks on a background with the Hex color 220D31.



This preview shows how white text looks on a background with the Hex color 220D31.

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
220D31

Protanopia
001731

Deuteranopia
00192B



Tritanopia
1D1618

Trichromacy



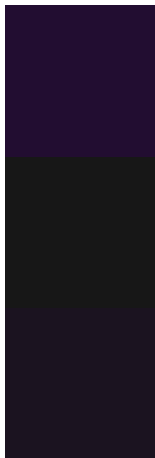
Original Color
220D31

Protanomaly
0C1331

Deuteranomaly
0C152D

Tritanomaly
1F1321

Monochromacy



Original Color
220D31

Achromatopsia
171717

Achromatomaly
1B1320

CSS Examples

Text

The CSS property to change the color of the text to Hex 220D31 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 #220D31 looks like.

```
.text, #text, p{  
    color:#220D31  
}
```

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 #220D31 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #220D31
}
```

Border

The CSS property to change the border of an element to Hex 220D31 is called "border". The border property can be set on classes, ids or directly on the HTML element.

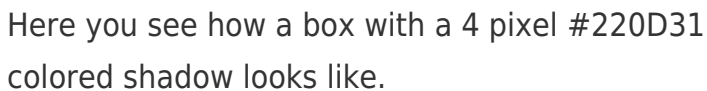
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#220D31 }
```

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

```
.border{ border-color:#220D31 }
```

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



Here you see how a box with a 4 pixel #220D31 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #220D31; -webkit-box-shadow:4px 4px  
4px 4px #220D31; box-shadow:4px 4px 4px  
4px #220D31 }
```

Background

The CSS property to change the background color of an element to Hex 220D31 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#220D31 }
```

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

```
.background{ background-color:#220D31 }
```

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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