

Converting Colors

Hex(231221)

Have a look what the booklet for
Hex(231221) contains.

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Color

Hex(231221)

Conversions

Conversions Part 1

Format	Color
Hex	231221
RGB	35, 18, 33
RGB Percent	14%, 7%, 13%
CMY	0.8627, 0.9294, 0.8706
CMYK	0.00, 0.49, 0.06, 0.86
HSL	307°, 32%, 10%
HSV	307°, 49%, 14%
XYZ	1.1840, 0.8997, 1.5501
YIQ	24.7930, 5.3170, 8.2690

Conversions

Conversions Part 2

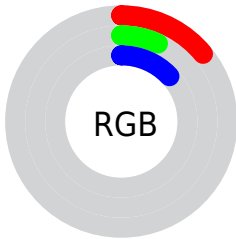
Format	Color
R_{YB}	35, 18, 33
Decimal	2298401
CIE Lab	8.13, 11.91, -6.88
CIE LCh	8, 13.753, 330.006
Yxy	0.8997, 0.3258, 0.2476
Android (android.graphics.Color)	4280488481 (0xFF231221)
YUV	24.7930, 4.0461, 8.9515
Hunter-Lab	9.4855, 5.6804, -3.0493

Details

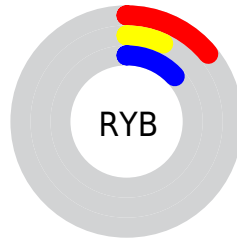
The Hex color **231221** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **122314**, and the grayscale version is **191919**.

A 20% lighter version of the original color is **503C4D**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **230F21**, and if you desaturate by 10%, it is **231521**.

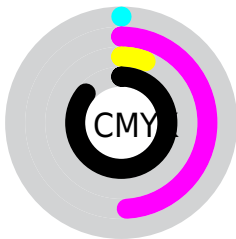
Distribution



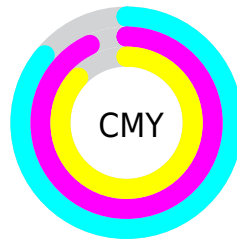
- Red (14%)
- Green (7%)
- Blue (13%)



- Red (14%)
- Yellow (7%)
- Blue (13%)



- Cyan (0%)
- Magenta (49%)
- Yellow (6%)
- Black (86%)



- Cyan (86%)
- Magenta (93%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Hex color 231221 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 231221 by changing the saturation by 10% instead.

■ 231221

■ 231221

■ FFF2FF

■ 060009

■ 503C4D

■ 000000

■ 685465

■ 816C7E

■ 9B8598

■ B69FB3

■ D2BACE

■ EED6EA

■ 231221

■ 231221

■ 230F21

■ 231521

■ 230B20

■ 231922

■ 230720

■ 231D22

■ 23041F

■ 232023

■ 23001F

■ 232423

■ 232723

■ 232B24

■ 232E24

■ 233225

Harmonies

Analogous

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



181528



231221



281018

Triad

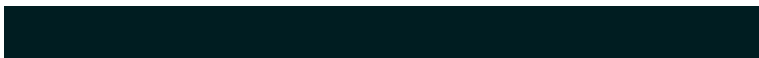
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



231221



1F1700



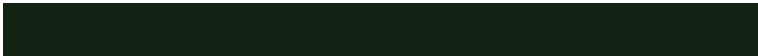
001D21

Complementary

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



231221



122314

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.



001D17



231221



151A00

Square

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



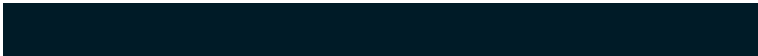
231221



261401



061C0C



001B27

Rectangle

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



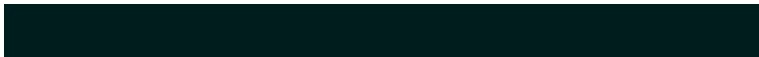
231221



291011



061C0C



001D1E

Sweetspot

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



231221



2E272D



141223



171316



969696



171717

Same Dimension

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



231221



2E132B



231219



121012



520048



D100B9

Inverse Universe

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



231221



2E132B



12231C



121012



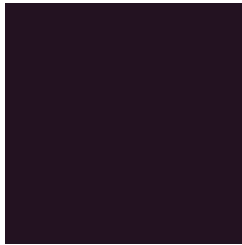
520048



D100B9

Previews

White Background



This preview shows how the Hex color 231221 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

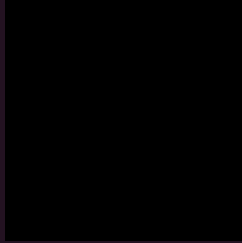
Any Text WCAG AA × Fail

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 231221 Background



This preview shows how black text looks on a background with the Hex color 231221.



This preview shows how white text looks on a background with the Hex color 231221.

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
231221

Protanopia
131826

Deuteranopia
171820



Tritanopia
221516

Trichromacy



Original Color

231221

Protanomaly

191624

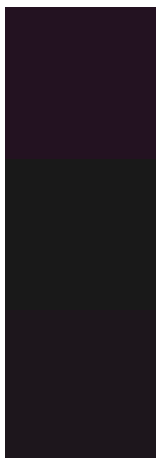
Deuteranomaly

1B1620

Tritanomaly

22141A

Monochromacy



Original Color

231221

Achromatopsia

191919

Achromatomaly

1D161C

CSS Examples

Text

The CSS property to change the color of the text to Hex 231221 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 #231221 looks like.

```
.text, #text, p{  
    color:#231221  
}
```

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 #231221 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #231221
}
```

Border

The CSS property to change the border of an element to Hex 231221 is called "border". The border property can be set on classes, ids or directly on the HTML element.

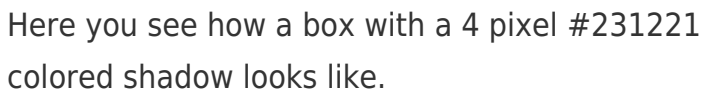
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#231221 }
```

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

```
.border{ border-color:#231221 }
```

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



Here you see how a box with a 4 pixel #231221 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #231221; -webkit-box-shadow:4px 4px  
4px 4px #231221; box-shadow:4px 4px 4px  
4px #231221 }
```

Background

The CSS property to change the background color of an element to Hex 231221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#231221 }
```

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

```
.background{ background-color:#231221 }
```

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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