

# Converting Colors

Hex(222431)

Have a look what the booklet for  
Hex(222431) contains.

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# Color

Hex(222431)

# Conversions

## Conversions Part 1

Format	Color
Hex	222431
RGB	34, 36, 49
RGB Percent	13%, 14%, 19%
CMY	0.8667, 0.8588, 0.8078
CMYK	0.31, 0.27, 0.00, 0.81
HSL	232°, 18%, 16%
HSV	232°, 31%, 19%
XYZ	1.8449, 1.8236, 3.1605
YIQ	36.8840, -5.3650, 3.6190

# Conversions

## Conversions Part 2

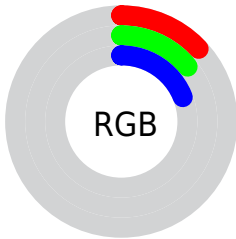
Format	Color
<a href="#">RYB</a>	<a href="#">34, 36, 49</a>
Decimal	<a href="#">2237489</a>
CIELab	<a href="#">14.53, 2.77, -8.82</a>
CIELCh	<a href="#">15, 9.246, 287.419</a>
Yxy	<a href="#">1.8236, 0.2702, 0.2670</a>
Android (android.graphics.Color)	<a href="#">4280427569</a> ( <a href="#">0xFF222431</a> )
YUV	<a href="#">36.8840, 5.9732, -2.5293</a>
Hunter-Lab	<a href="#">13.5040, 0.7549, -4.4234</a>

# Details

The Hex color **222431** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **312F22**, and the grayscale version is **252525**.

A 20% lighter version of the original color is **4F505F**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **1D2031**, and if you desaturate by 10%, it is **272831**.

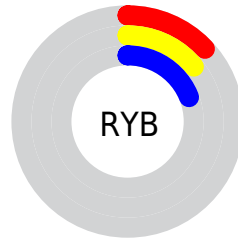
# Distribution



Red (13%)

Green (14%)

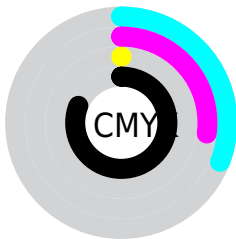
Blue (19%)



Red (13%)

Yellow (14%)

Blue (19%)

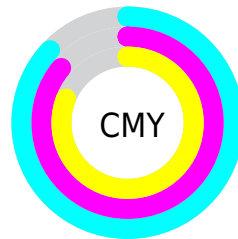


Cyan (31%)

Magenta (27%)

Yellow (0%)

Black (81%)



Cyan (87%)

Magenta (86%)

Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 222431 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 222431 by changing the saturation by 10% instead.



■ 222431

■ 222431

FFFFFF

■ 0D0F1C

■ 4F505F

■ 000000

■ 676878

■ 808292

■ 9A9CAC

■ B5B6C7

■ D0D2E3

■ EDEEFF

■ 222431

■ 222431

■ 1D2031

■ 272831

■ 181C31

■ 2C2C31

■ 131731

■ 313131

■ 0E1331

■ 363531

■ 0A0F31

■ 3B3931

■ 050B31

■ 3F3D31

■ 000731

■ 444231

■ 494631

■ 4E4A31

# Harmonies

## Analogous

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



192631



222431



2A222E

# Triad

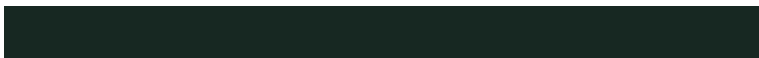
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



222431



30211B



172822

# Complementary

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



222431



312F22

# 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.



1E271C



222431



2C2318

# Square

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



222431



322021



262518



122828

# Rectangle

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



222431



2E212A



262518



192820



# Sweetspot

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



222431



3A3B40



22312F



1E1E21



A1A1A1



212121



# Same Dimension

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



222431



282B40



282231



17171A



000C59



001DD9



# Inverse Universe

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



312224



40282B



2C3122



1A1717



59000C

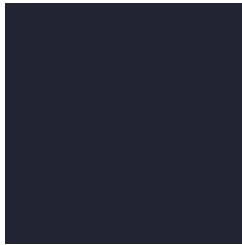


D9001D



# Previews

## White Background



This preview shows how the Hex color 222431 looks on a white background.

## Color Contrast Check

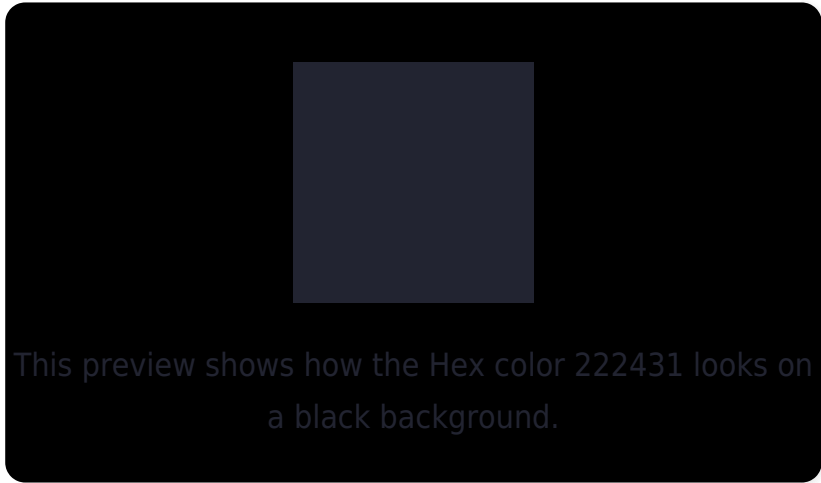
Large Text (above 18pt) WCAG AA ✓ Pass

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

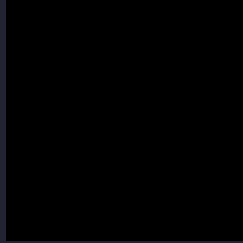
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

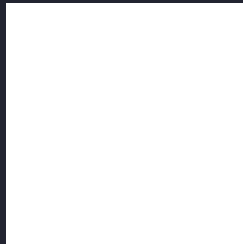
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 222431 Background



This preview shows how black text looks on a background with the Hex color 222431.



This preview shows how white text looks on a background with the Hex color 222431.

# 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**  
222431

**Protanopia**  
212431

**Deuteranopia**  
212431



# Trichromacy



**Original Color**  
222431

**Protanomaly**  
212431

**Deuteranomaly**  
212431

**Tritanomaly**  
21252C

# Monochromacy



**Original Color**  
222431

**Achromatopsia**  
252525

**Achromatomaly**  
242529

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 222431 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 #222431 looks like.

```
.text, #text, p{  
    color:#222431  
}
```

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 #222431 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #222431
}
```

## Border

The CSS property to change the border of an element to Hex 222431 is called "border". The border property can be set on classes, ids or directly on the HTML element.

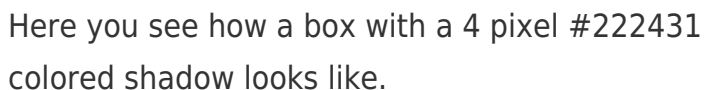
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#222431 }
```

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

```
.border{ border-color:#222431 }
```

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



Here you see how a box with a 4 pixel #222431 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #222431; -webkit-box-shadow:4px 4px  
4px 4px #222431; box-shadow:4px 4px 4px  
4px #222431 }
```

# Background

The CSS property to change the background color of an element to Hex 222431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#222431 }
```

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

```
.background{ background-color:#222431 }
```

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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