

# Converting Colors

Hex(252131)

Have a look what the booklet for  
Hex(252131) contains.

<b>Hex(252131)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(252131)**

# Conversions

## Conversions Part 1

Format	Color
Hex	252131
RGB	37, 33, 49
RGB Percent	15%, 13%, 19%
CMY	0.8549, 0.8706, 0.8078
CMYK	0.24, 0.33, 0.00, 0.81
HSL	255°, 20%, 16%
HSV	255°, 33%, 19%
XYZ	1.8612, 1.7028, 3.1363
YIQ	36.0200, -2.7520, 5.8240

# Conversions

## Conversions Part 2

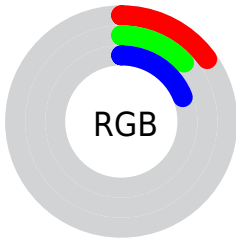
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	37, 33, 49
Decimal	2433329
CIE Lab	13.84, 6.13, -9.85
CIE LCh	14, 11.607, 301.901
Yxy	1.7028, 0.2778, 0.2541
Android (android.graphics.Color)	4280623409 (0xFF252131)
YUV	36.0200, 6.3991, 0.8595
Hunter-Lab	13.0491, 2.6236, -5.1158

# Details

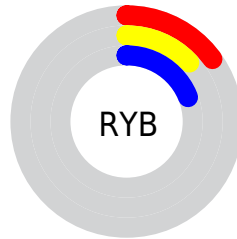
The Hex color **252131** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **2D3121**, and the grayscale version is **242424**.

A 20% lighter version of the original color is **524D5F**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **211C31**, and if you desaturate by 10%, it is **292631**.

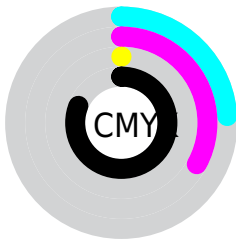
# Distribution



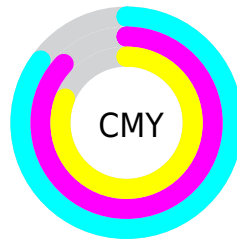
- Red (15%)
- Green (13%)
- Blue (19%)



- Red (15%)
- Yellow (13%)
- Blue (19%)



- Cyan (24%)
- Magenta (33%)
- Yellow (0%)
- Black (81%)



- Cyan (85%)
- Magenta (87%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 252131 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 252131 by changing the saturation by 10% instead.



■ 252131

■ 252131

FFFFFF

■ 110A1C

■ 524D5F

■ 000000

■ 6A6578

■ 837E92

■ 9E98AC

■ B9B3C8

■ D4CEE4

■ F1EAFF

■ 252131

■ 252131

■ 211C31

■ 292631

■ 1E1731

■ 2C2B31

■ 1A1231

■ 303031

■ 160D31

■ 343531

■ 130931

■ 373A31

■ 0F0431

■ 3B3E31

■ 0C0031

■ 3F4331

■ 424831

■ 464D31

# Harmonies

## Analogous

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



192433



252131



2E1E2B

# Triad

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



252131



2F2015



0D2824

# Complementary

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



252131



2D3121

# 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.



16271B



252131



282313

# Square

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



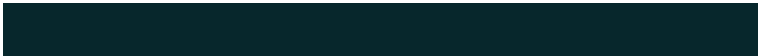
252131



331E1B



202515



07272C

# Rectangle

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



252131



321D26



202515



102821



# Sweetspot

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



252131



3B3940



212D31



1E1D21



A1A1A1



212121



# Same Dimension

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



252131



2D2740



2D2131



18171A



160059



3600D9



# Inverse Universe

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



31212D



40273A



253121



1A1719



590043

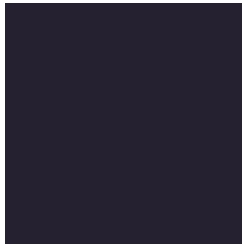


D900A3



# Previews

## White Background



This preview shows how the Hex color 252131 looks on a white background.

## Color Contrast Check

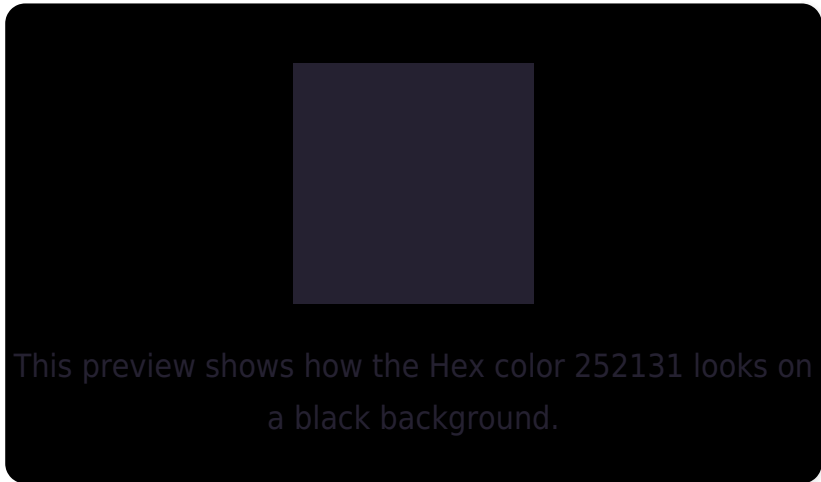
Large Text (above 18pt) WCAG AA ✓ Pass

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 252131 Background



This preview shows how black text looks on a background with the Hex color 252131.



This preview shows how white text looks on a background with the Hex color 252131.

# 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](#).

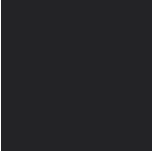
## Dichromacy



**Original Color**  
252131

**Protanopia**  
1E2332

**Deuteranopia**  
1F2331



**Tritanopia**  
232326

# Trichromacy



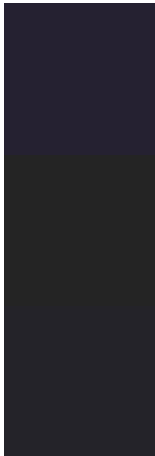
**Original Color**  
252131

**Protanomaly**  
212232

**Deuteranomaly**  
212231

**Tritanomaly**  
24222A

# Monochromacy



**Original Color**  
252131

**Achromatopsia**  
242424

**Achromatomaly**  
242329

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 252131 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 #252131 looks like.

```
.text, #text, p{  
    color:#252131  
}
```

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 #252131 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #252131
}
```

## Border

The CSS property to change the border of an element to Hex 252131 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
#252131 }
```

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

```
.border{ border-color:#252131 }
```

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

Here you see how a box with a 4 pixel #252131 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #252131; -webkit-box-shadow:4px 4px  
4px 4px #252131; box-shadow:4px 4px 4px  
4px #252131 }
```

# Background

The CSS property to change the background color of an element to Hex 252131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#252131 }
```

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

```
.background{ background-color:#252131 }
```

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