

# Converting Colors

Hex(242931)

Have a look what the booklet for  
Hex(242931) contains.

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# Color

**Hex(242931)**

# Conversions

## Conversions Part 1

Format	Color
Hex	242931
RGB	36, 41, 49
RGB Percent	14%, 16%, 19%
CMY	0.8588, 0.8392, 0.8078
CMYK	0.27, 0.16, 0.00, 0.81
HSL	217°, 15%, 17%
HSV	217°, 27%, 19%
XYZ	2.0749, 2.1827, 3.2177
YIQ	40.4170, -5.5480, 1.4280

# Conversions

## Conversions Part 2

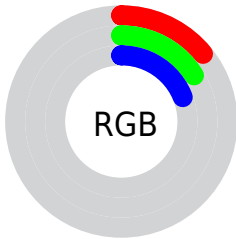
<b>Format</b>	<b>Color</b>
<b>RYB</b>	36, 40, 49
Decimal	2369841
CIELab	16.42, 0.01, -5.94
CIELCh	16, 5.940, 270.061
Yxy	2.1827, 0.2776, 0.2920
Android (android.graphics.Color)	4280559921 (0xFF242931)
YUV	40.4170, 4.2314, -3.8737
Hunter-Lab	14.7739, -0.7857, -2.5712

# Details

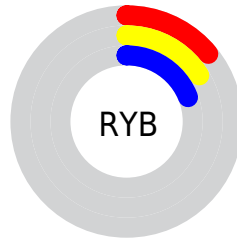
The Hex color **242931** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **312C24**, and the grayscale version is **282828**.

A 20% lighter version of the original color is **51565F**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **1F2631**, and if you desaturate by 10%, it is **292C31**.

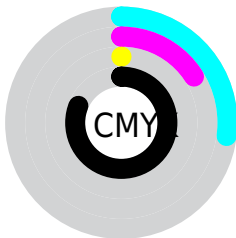
# Distribution



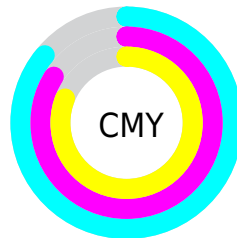
- Red (14%)
- Green (16%)
- Blue (19%)



- Red (14%)
- Yellow (16%)
- Blue (19%)



- Cyan (27%)
- Magenta (16%)
- Yellow (0%)
- Black (81%)



- Cyan (86%)
- Magenta (84%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 242931 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 242931 by changing the saturation by 10% instead.



■ 242931

■ 242931

FFFFFF

■ 0F151C

■ 51565F

■ 000000

■ 696E78

■ 828891

■ 9CA2AC

■ B7BDC7

■ D3D9E3

■ EFF5FF

■ 242931

■ 242931

■ 1F2631

■ 292C31

■ 1A2331

■ 2E2F31

■ 152031

■ 333231

■ 101D31

■ 383531

■ 0B1A31

■ 3D3831

■ 071731

■ 413B31

■ 021431

■ 463E31

■ 001331

■ 4B4131

■ 504431

# Harmonies

## Analogous

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



1F2A30



242931



292830

# Triad

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



242931



322625



232B24

# Complementary

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



242931



312C24

# 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.



272A21



242931



302721

# Square

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



242931



312629



2C2820



1F2B28

# Rectangle

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



242931



2D272E



2C2820



242A23



# Sweetspot

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



242931



3B3D40



24312C



1E1F21



A1A1A1



212121



# Same Dimension

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



242931



2B3340



252431



17181A



002259



0053D9



# Inverse Universe

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



312429



402B33



303124



1A1718



590022

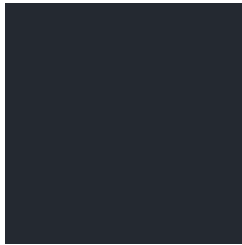


D90053



# Previews

## White Background



This preview shows how the Hex color 242931 looks on a white background.

## Color Contrast Check

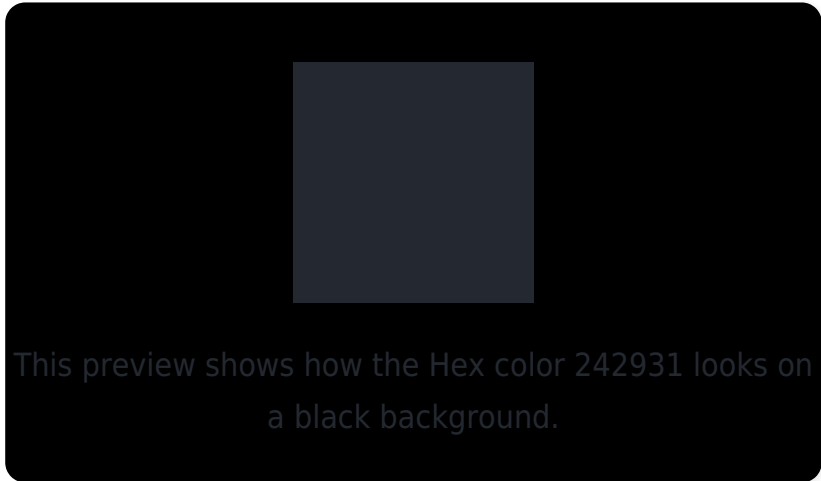
Large Text (above 18pt) WCAG AA ✓ Pass

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

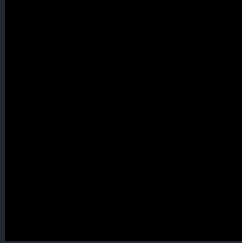
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

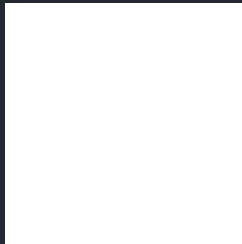
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 242931 Background



This preview shows how black text looks on a background with the Hex color 242931.



This preview shows how white text looks on a background with the Hex color 242931.

# 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**  
242931

**Protanopia**  
272830

**Deuteranopia**  
282831



**Tritanopia**  
232A2D

# Trichromacy



**Original Color**  
242931

**Protanomaly**  
262830

**Deuteranomaly**  
272831

**Tritanomaly**  
232A2E

# Monochromacy



**Original Color**  
242931

**Achromatopsia**  
282828

**Achromatomaly**  
27282B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 242931 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 #242931 looks like.

```
.text, #text, p{  
    color:#242931  
}
```

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 #242931 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #242931
}
```

## Border

The CSS property to change the border of an element to Hex 242931 is called "border". The border property can be set on classes, ids or directly on the HTML element.

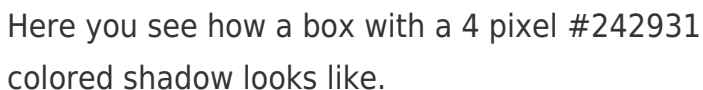
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#242931 }
```

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

```
.border{ border-color:#242931 }
```

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



Here you see how a box with a 4 pixel #242931 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #242931; -webkit-box-shadow:4px 4px  
4px 4px #242931; box-shadow:4px 4px 4px  
4px #242931 }
```

# Background

The CSS property to change the background color of an element to Hex 242931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#242931 }
```

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

```
.background{ background-color:#242931 }
```

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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