

# Converting Colors

Hex(242A38)

Have a look what the booklet for  
Hex(242A38) contains.

<b>Hex(242A38)</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(242A38)

# Conversions

## Conversions Part 1

Format	Color
Hex	242A38
RGB	36, 42, 56
RGB Percent	14%, 16%, 22%
CMY	0.8588, 0.8353, 0.7804
CMYK	0.36, 0.25, 0.00, 0.78
HSL	222°, 22%, 18%
HSV	222°, 36%, 22%
XYZ	2.2693, 2.3165, 4.0689
YIQ	41.8020, -8.0700, 3.0820

# Conversions

## Conversions Part 2

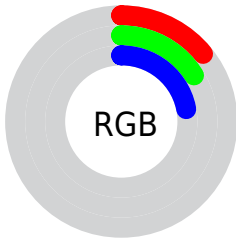
<b>Format</b>	<b>Color</b>
<b>RYB</b>	36, 41, 56
Decimal	2370104
CIELab	17.07, 1.44, -9.85
CIElCh	17, 9.957, 278.332
Yxy	2.3165, 0.2622, 0.2677
Android (android.graphics.Color)	4280560184 (0xFF242A38)
YUV	41.8020, 6.9996, -5.0884
Hunter-Lab	15.2201, -0.0208, -5.1963

# Details

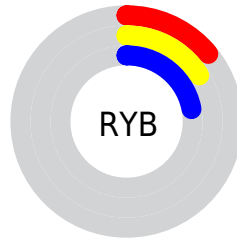
The Hex color **242A38** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **383224**, and the grayscale version is **2A2A2A**.

A 20% lighter version of the original color is **515767**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **1E2638**, and if you desaturate by 10%, it is **2A2E38**.

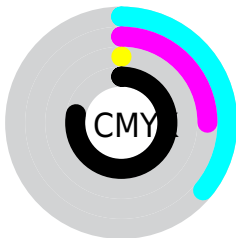
# Distribution



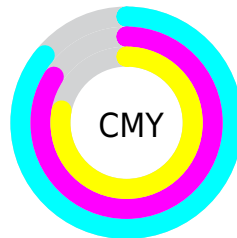
- Red (14%)
- Green (16%)
- Blue (22%)



- Red (14%)
- Yellow (16%)
- Blue (22%)



- Cyan (36%)
- Magenta (25%)
- Yellow (0%)
- Black (78%)



- Cyan (86%)
- Magenta (84%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 242A38 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 242A38 by changing the saturation by 10% instead.





242A38



242A38

FFFFFF



0F1623



515767



00000C



6A7080



000000



83899A



9DA3B5



B8BED0



D4DAED



F0F6FF



242A38



242A38

■ 1E2638

■ 2A2E38

■ 192238

■ 2F3238

■ 131E38

■ 353638

■ 0E1A38

■ 3A3A38

■ 081638

■ 403E38

■ 021238

■ 464238

■ 001138

■ 4B4538

■ 514938

■ 564D38

# Harmonies

## Analogous

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



1A2C37



242A38



2E2835

# Triad

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



242A38



382622



1D2E25

# Complementary

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



242A38



383224

# 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.



252C1F



242A38



34281D

# Square

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



242A38



382528



2D2A1C



172E2C

# Rectangle

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



242A38



332632



2D2A1C



202D22



# Sweetspot

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



242A38



42444A



243832



212326



A6A6A6



262626



# Same Dimension

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



242A38



2A344A



282438



191A1C



001C5C



0042DB



# Inverse Universe

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



38242A



4A2A34



343824



1C191A



5C001C

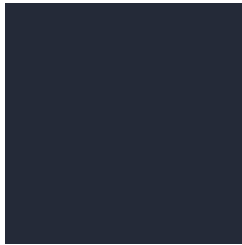


DB0042



# Previews

## White Background



This preview shows how the Hex color 242A38 looks on a white background.

## Color Contrast Check

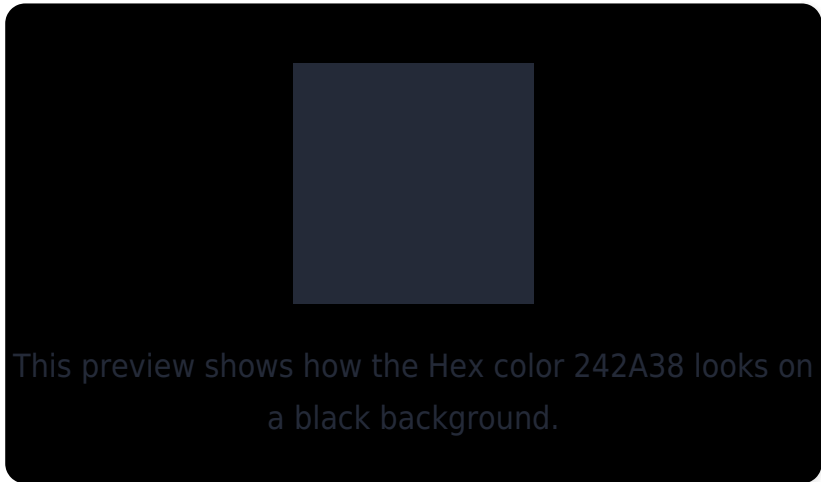
Large Text (above 18pt) WCAG AA ✓ Pass

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

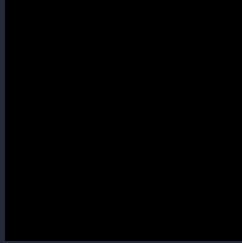
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

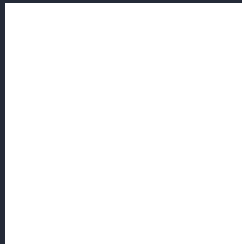
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 242A38 Background



This preview shows how black text looks on a background with the Hex color 242A38.



This preview shows how white text looks on a background with the Hex color 242A38.

# 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**  
242A38

**Protanopia**  
262938

**Deuteranopia**  
262938



# Trichromacy



**Original Color**

242A38

**Protanomaly**

252938

**Deuteranomaly**

252938

**Tritanomaly**

232B32

# Monochromacy



**Original Color**

242A38

**Achromatopsia**

2A2A2A

**Achromatomaly**

282A2F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 242A38 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 #242A38 looks like.

```
.text, #text, p{  
    color:#242A38  
}
```

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 #242A38 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #242A38
}
```

## Border

The CSS property to change the border of an element to Hex 242A38 is called "border". The border property can be set on classes, ids or directly on the HTML element.

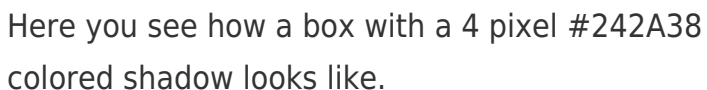
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#242A38 }
```

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

```
.border{ border-color:#242A38 }
```

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



Here you see how a box with a 4 pixel #242A38 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #242A38; -webkit-box-shadow:4px 4px  
4px 4px #242A38; box-shadow:4px 4px 4px  
4px #242A38 }
```

# Background

The CSS property to change the background color of an element to Hex 242A38 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#242A38 }
```

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

```
.background{ background-color:#242A38 }
```

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