

# Converting Colors

Hex(24342F)

Have a look what the booklet for  
Hex(24342F) contains.

<b>Hex(24342F)</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(24342F)

# Conversions

## Conversions Part 1

Format	Color
Hex	24342F
RGB	36, 52, 47
RGB Percent	14%, 20%, 18%
CMY	0.8588, 0.7961, 0.8157
CMYK	0.31, 0.00, 0.10, 0.80
HSL	161°, 18%, 17%
HSV	161°, 31%, 20%
XYZ	2.4686, 3.0363, 3.1453
YIQ	46.6460, -7.9310, -4.9470

# Conversions

## Conversions Part 2

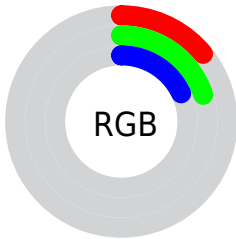
Format	Color
<a href="#">RYB</a>	<a href="#">36, 45, 52</a>
Decimal	<a href="#">2372655</a>
CIELab	<a href="#">20.19, -7.91, 1.03</a>
CIElCh	<a href="#">20, 7.979, 172.598</a>
Yxy	<a href="#">3.0363, 0.2854, 0.3510</a>
Android (android.graphics.Color)	<a href="#">4280562735 (0xFF24342F)</a>
YUV	<a href="#">46.6460, 0.1745, -9.3365</a>
Hunter-Lab	<a href="#">17.4249, -5.2051, 1.4954</a>

# Details

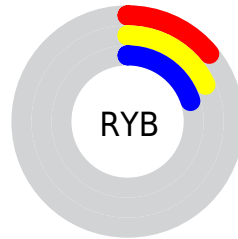
The Hex color **24342F** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **342429**, and the grayscale version is **2F2F2F**.

A 20% lighter version of the original color is **51625D**, and **000100** is the 20% darker color. If you saturate the color by 10%, you get **1F342D**, and if you desaturate by 10%, it is **293431**.

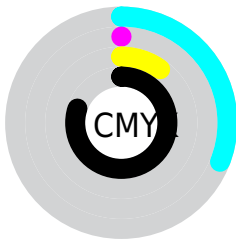
# Distribution



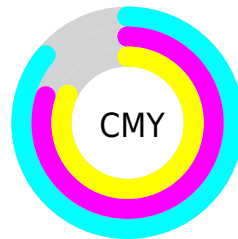
- Red (14%)
- Green (20%)
- Blue (18%)



- Red (14%)
- Yellow (18%)
- Blue (20%)



- Cyan (31%)
- Magenta (0%)
- Yellow (10%)
- Black (80%)



- Cyan (86%)
- Magenta (80%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 24342F 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 24342F by changing the saturation by 10% instead.





24342F



24342F

FFFFFF



101F1A



51625D



000100



697B75



000000



83958F



9DB0A9



B8CBC5



D3E7E1



F0FFFD



24342F



24342F

■ 1F342D

■ 293431

■ 1A342C

■ 2E3432

■ 14342A

■ 343434

■ 0F3429

■ 393435

■ 0A3427

■ 3E3437

■ 053425

■ 433439

■ 003424

■ 48343A

■ 4E343C

■ 53343E

# Harmonies

## Analogous

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



2A3329



24342F



213435

# Triad

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



24342F



30303B



3B2E28

# Complementary

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



24342F



342429

# 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.



3D2D2C



24342F



372E38

# Square

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



24342F



28323C



3C2D32



373025

# Rectangle

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



24342F



213438



3C2D32



3C2D29



# Sweetspot

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



24342F



3F4543



293424



202422



A3A3A3



242424



# Same Dimension

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



24342F



2B453D



243134



171A19



00593D



00D995



# Inverse Universe

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



342429



452B33



342724



1A1718



59001C

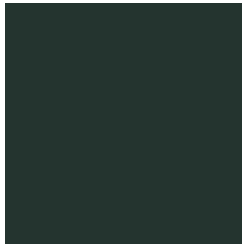


D90044



# Previews

## White Background



This preview shows how the Hex color 24342F looks on a white background.

## Color Contrast Check

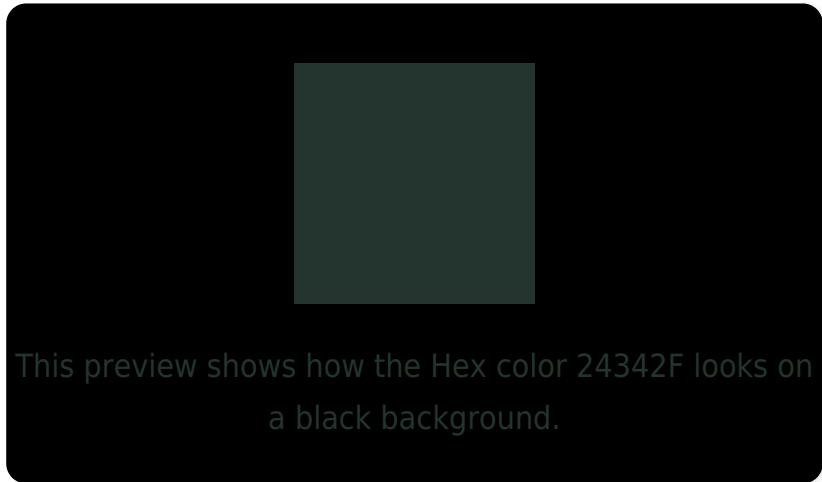
Large Text (above 18pt) WCAG AA ✓ Pass

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 24342F Background



This preview shows how black text looks on a background with the Hex color 24342F.

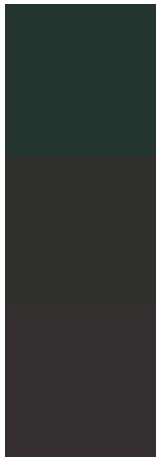


This preview shows how white text looks on a background with the Hex color 24342F.

# 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](#).

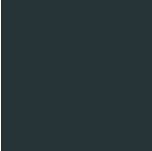
## Dichromacy



**Original Color**  
24342F

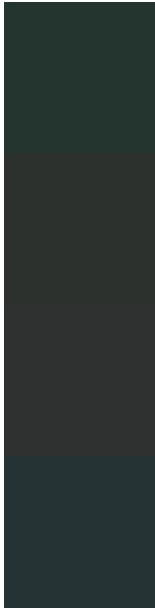
**Protanopia**  
32302D

**Deuteranopia**  
352F30



**Tritanopia**  
263337

# Trichromacy



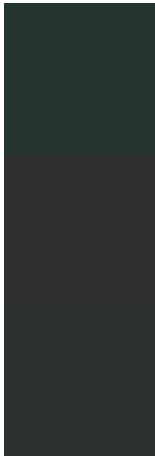
**Original Color**  
24342F

**Protanomaly**  
2D312E

**Deuteranomaly**  
2F3130

**Tritanomaly**  
253334

# Monochromacy



**Original Color**  
24342F

**Achromatopsia**  
2F2F2F

**Achromatomaly**  
2B312F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 24342F 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 #24342F looks like.

```
.text, #text, p{  
    color:#24342F  
}
```

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 #24342F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #24342F
}
```

## Border

The CSS property to change the border of an element to Hex 24342F is called "border". The border property can be set on classes, ids or directly on the HTML element.

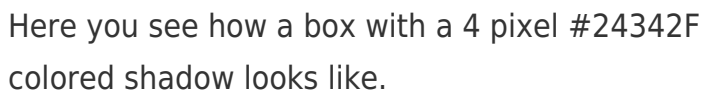
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#24342F }
```

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

```
.border{ border-color:#24342F }
```

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



Here you see how a box with a 4 pixel #24342F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #24342F; -webkit-box-shadow:4px 4px  
4px 4px #24342F; box-shadow:4px 4px 4px  
4px #24342F }
```

# Background

The CSS property to change the background color of an element to Hex 24342F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#24342F }
```

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

```
.background{ background-color:#24342F }
```

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