

# Converting Colors

Hex(2F3538)

Have a look what the booklet for  
Hex(2F3538) contains.

<b>Hex(2F3538)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(2F3538)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2F3538
RGB	47, 53, 56
RGB Percent	18%, 21%, 22%
CMY	0.8157, 0.7922, 0.7804
CMYK	0.16, 0.05, 0.00, 0.78
HSL	200°, 9%, 20%
HSV	200°, 16%, 22%
XYZ	3.1592, 3.4361, 4.2381
YIQ	51.5480, -4.5390, -0.3390

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	47, 51, 56
Decimal	3093816
CIELab	21.71, -1.79, -2.76
CIElCh	22, 3.289, 237.035
Yxy	3.4361, 0.2916, 0.3172
Android (android.graphics.Color)	4281283896 (0xFF2F3538)
YUV	51.5480, 2.1948, -3.9886
Hunter-Lab	18.5366, -2.0173, -0.5801

# Details

The Hex color **2F3538** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **38322F**, and the grayscale version is **343434**.

A 20% lighter version of the original color is **5D6367**, and **00080D** is the 20% darker color. If you saturate the color by 10%, you get **293338**, and if you desaturate by 10%, it is **353738**.

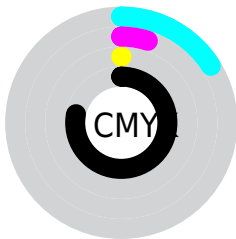
# Distribution



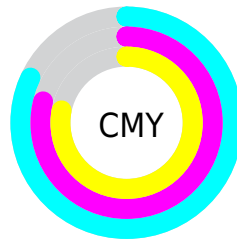
- Red (18%)
- Green (21%)
- Blue (22%)



- Red (18%)
- Yellow (20%)
- Blue (22%)



- Cyan (16%)
- Magenta (5%)
- Yellow (0%)
- Black (78%)



- Cyan (82%)
- Magenta (79%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2F3538 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 2F3538 by changing the saturation by 10% instead.





2F3538



2F3538

FFFFFF



1A2023



5D6367



00080D



767C80



000000



8F969A



AAB1B5



C5CCD0



E1E8EC

FEFFFF



2F3538



2F3538

■ 293338

■ 353738

■ 243138

■ 3A3938

■ 1E2F38

■ 403B38

■ 192E38

■ 453C38

■ 132C38

■ 4B3E38

■ 0D2A38

■ 514038

■ 082838

■ 564238

■ 022638

■ 5C4438

■ 002538

■ 614638

# Harmonies

## Analogous

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



2E3536



2F3538



313439

# Triad

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



2F3538



393234



343530

# Complementary

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



2F3538



38322F

# 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.



36342F



2F3538



393332

# Square

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



2F3538



373337



383330



313531

# Rectangle

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



2F3538



333439



383330



35342F



# Sweetspot

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



2F3538



46494A



2F3832



242526



A6A6A6



262626



# Same Dimension

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



2F3538



3C454A



2F3138



191B1C



003D5C



0092DB



# Inverse Universe

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



382F35



4A3C45



38372F



1C191B



5C003D

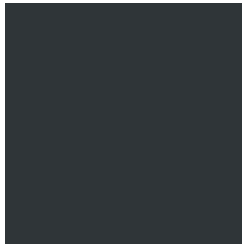


DB0092



# Previews

## White Background



This preview shows how the Hex color 2F3538 looks on a white background.

## Color Contrast Check

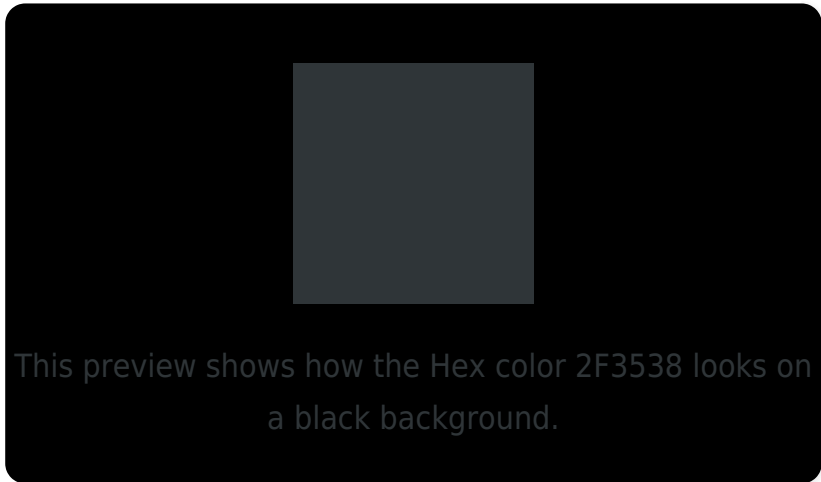
Large Text (above 18pt) WCAG AA ✓ Pass

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

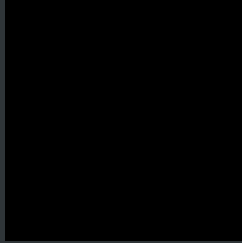
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

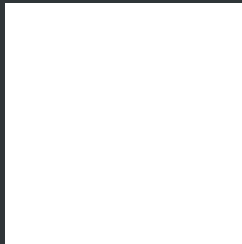
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 2F3538 Background



This preview shows how black text looks on a background with the Hex color 2F3538.

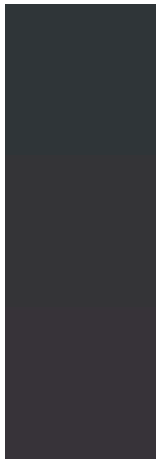


This preview shows how white text looks on a background with the Hex color 2F3538.

# 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**  
2F3538

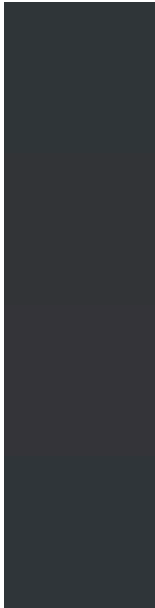
**Protanopia**  
343437

**Deuteranopia**  
373339



**Tritanopia**  
2F3539

# Trichromacy



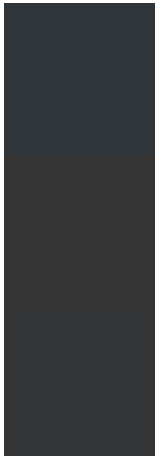
**Original Color**  
2F3538

**Protanomaly**  
323437

**Deuteranomaly**  
343439

**Tritanomaly**  
2F3539

# Monochromacy



**Original Color**  
2F3538

**Achromatopsia**  
343434

**Achromatomaly**  
323435

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2F3538 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 #2F3538 looks like.

```
.text, #text, p{  
    color:#2F3538  
}
```

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 #2F3538 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2F3538
}
```

## Border

The CSS property to change the border of an element to Hex 2F3538 is called "border". The border property can be set on classes, ids or directly on the HTML element.

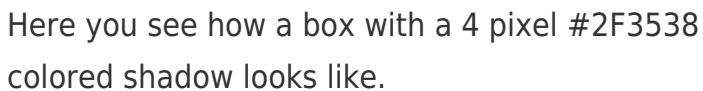
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2F3538 }
```

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

```
.border{ border-color:#2F3538 }
```

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



Here you see how a box with a 4 pixel #2F3538 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2F3538; -webkit-box-shadow:4px 4px  
4px 4px #2F3538; box-shadow:4px 4px 4px  
4px #2F3538 }
```

# Background

The CSS property to change the background color of an element to Hex 2F3538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2F3538 }
```

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

```
.background{ background-color:#2F3538 }
```

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