

# Converting Colors

Hex(31373D)

Have a look what the booklet for  
Hex(31373D) contains.

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# Color

**Hex(31373D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	31373D
RGB	49, 55, 61
RGB Percent	19%, 22%, 24%
CMY	0.8078, 0.7843, 0.7608
CMYK	0.20, 0.10, 0.00, 0.76
HSL	210°, 11%, 22%
HSV	210°, 20%, 24%
XYZ	3.4751, 3.7223, 4.9502
YIQ	53.8900, -5.5020, 0.5940

# Conversions

## Conversions Part 2

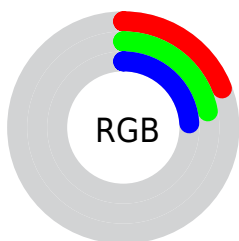
Format	Color
<a href="#">RYB</a>	<a href="#">49, 53, 61</a>
Decimal	<a href="#">3225405</a>
CIELab	<a href="#">22.73, -0.99, -4.60</a>
CIELCh	<a href="#">23, 4.709, 257.821</a>
Yxy	<a href="#">3.7223, 0.2861, 0.3064</a>
Android (android.graphics.Color)	<a href="#">4281415485</a> (0xFF31373D)
YUV	<a href="#">53.8900, 3.5052, -4.2885</a>
Hunter-Lab	<a href="#">19.2932, -1.6114, -1.7072</a>

# Details

The Hex color **31373D** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **3D3731**, and the grayscale version is **363636**.

A 20% lighter version of the original color is **5F666C**, and **020B13** is the 20% darker color. If you saturate the color by 10%, you get **2B343D**, and if you desaturate by 10%, it is **373A3D**.

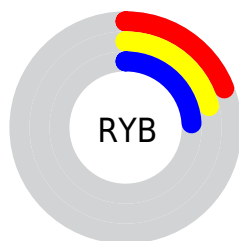
# Distribution



Red (19%)

Green (22%)

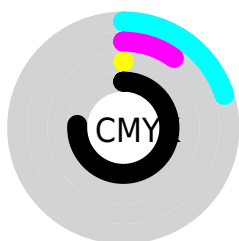
Blue (24%)



Red (19%)

Yellow (21%)

Blue (24%)

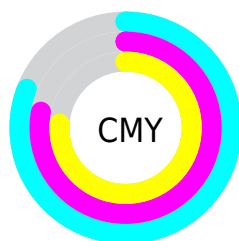


Cyan (20%)

Magenta (10%)

Yellow (0%)

Black (76%)



Cyan (81%)

Magenta (78%)

Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 31373D 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 31373D by changing the saturation by 10% instead.



 31373D

FFFFFF

 5F666C


 787F86

 9299A0

 ACB3BB

 C8CFD6

 E4EBF3

 31373D

 1C2227

 020B13

 000000

 31373D

 2B343D

 31373D

 373A3D

 25313D 3D3D3D 1F2E3D 43403D 192B3D 49433D 13283D 50463D 0C253D 56493D 06223D 5C4C3D 001F3D 624F3D 68523D

# Harmonies

## Analogous

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



2E383B



31373D



35363D

# Triad

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



31373D



3E3434



333831

# Complementary

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



31373D



3D3731

# 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.



373730



31373D



3D3531

# Square

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



31373D



3D3438



3B3630



2F3835

# Rectangle

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



31373D



38353C



3B3630



343731



# Sweetspot

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



31373D



4A4D4F



313D37



262729



A8A8A8



292929



# Same Dimension

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



31373D



3C464F



31313D



1C1D1F



002F5E



006FDE



# Inverse Universe

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



3D3137



4F3C46



3D3D31



1F1C1D



5E002F



DE006F



# Previews

## White Background



This preview shows how the Hex color 31373D 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



This preview shows how the Hex color 31373D looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

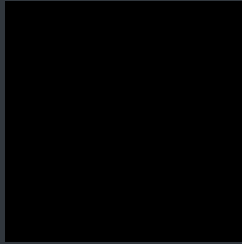
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 31373D Background



This preview shows how black text looks on a background with the Hex color 31373D.

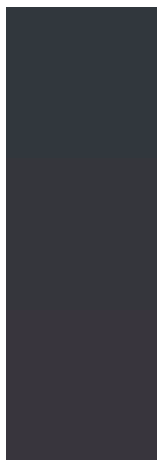


This preview shows how white text looks on a background with the Hex color 31373D.

# 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**

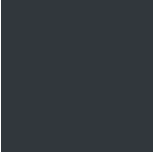
31373D

**Protanopia**

35363C

**Deuteranopia**

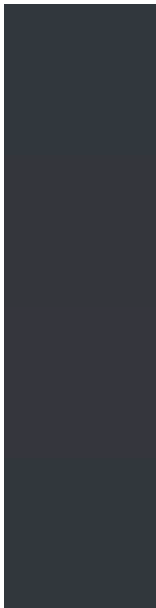
38353D



# Tritanopia

## 31373C

# Trichromacy



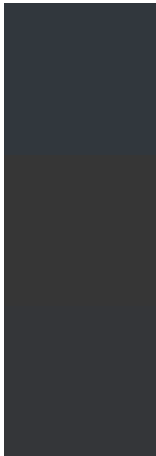
**Original Color**  
31373D

**Protanomaly**  
34363C

**Deuteranomaly**  
35363D

**Tritanomaly**  
31373C

# Monochromacy



**Original Color**  
31373D

**Achromatopsia**  
363636

**Achromatomaly**  
343639

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 31373D 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 #31373D looks like.

```
.text, #text, p{  
    color:#31373D  
}
```

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 #31373D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #31373D
}
```

## Border

The CSS property to change the border of an element to Hex 31373D 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
#31373D }
```

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

```
.border{ border-color:#31373D }
```

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

Here you see how a box with a 4 pixel #31373D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #31373D; -webkit-box-shadow:4px 4px  
4px 4px #31373D; box-shadow:4px 4px 4px  
4px #31373D }
```

# Background

The CSS property to change the background color of an element to Hex 31373D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#31373D }
```

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

```
.background{ background-color:#31373D }
```

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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