

# Converting Colors

Hex(2B3B31)

Have a look what the booklet for  
Hex(2B3B31) contains.

<b>Hex(2B3B31)</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(2B3B31)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2B3B31
RGB	43, 59, 49
RGB Percent	17%, 23%, 19%
CMY	0.8314, 0.7686, 0.8078
CMYK	0.27, 0.00, 0.17, 0.77
HSL	142°, 16%, 20%
HSV	142°, 27%, 23%
XYZ	3.1146, 3.8633, 3.4873
YIQ	53.0760, -6.3260, -6.5020

# Conversions

## Conversions Part 2

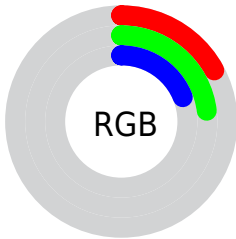
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	43, 55, 59
Decimal	2833201
CIE Lab	23.21, -9.02, 4.10
CIE LCh	23, 9.911, 155.587
Yxy	3.8633, 0.2976, 0.3692
Android (android.graphics.Color)	4281023281 (0xFF2B3B31)
YUV	53.0760, -2.0095, -8.8367
Hunter-Lab	19.6552, -6.1111, 3.2393

# Details

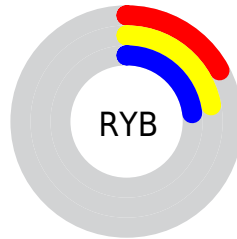
The Hex color **2B3B31** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **3B2B35**, and the grayscale version is **353535**.

A 20% lighter version of the original color is **596A5F**, and **001101** is the 20% darker color. If you saturate the color by 10%, you get **253B2D**, and if you desaturate by 10%, it is **313B35**.

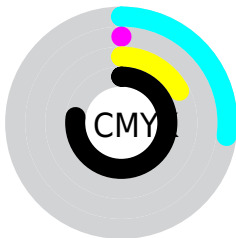
# Distribution



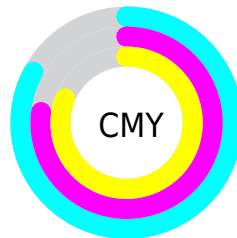
- Red (17%)
- Green (23%)
- Blue (19%)



- Red (17%)
- Yellow (22%)
- Blue (23%)



- Cyan (27%)
- Magenta (0%)
- Yellow (17%)
- Black (77%)



- Cyan (83%)
- Magenta (77%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2B3B31 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 2B3B31 by changing the saturation by 10% instead.



■ 2B3B31

■ 2B3B31

FFFFFF

■ 16251C

■ 596A5F

■ 001101

■ 718378

■ 000000

■ 8B9E91

■ A5B8AC

■ C0D4C7

■ DCF1E3

■ F9FFFF

■ 2B3B31

■ 2B3B31

■ 253B2D

■ 313B35

■ 1F3B2A

■ 373B38

■ 193B26

■ 3D3B3C

■ 133B22

■ 433B40

■ 0E3B1F

■ 493B43

■ 083B1B

■ 4E3B47

■ 023B17

■ 543B4B

■ 003B16

■ 5A3B4E

■ 603B52

# Harmonies

## Analogous

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



33392B



2B3B31



253C38

# Triad

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



2B3B31



303846



46332F

# Complementary

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



2B3B31



3B2B35

# 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.



463236



2B3B31



3A3543

# Square

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



2B3B31



273A45



42333E



42352A

# Rectangle

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



2B3B31



233B3D



42333E



473231



# Sweetspot

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



2B3B31



464D49



353B2B



222624



A6A6A6



262626



# Same Dimension

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



2B3B31



334D3D



2B3B39



1C1F1D



005E23



00DE53



# Inverse Universe

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



3B2B35



4D3343



3B2B2D



1F1C1D



5E003B



DE008B



# Previews

## White Background



This preview shows how the Hex color 2B3B31 looks on a white background.

## Color Contrast Check

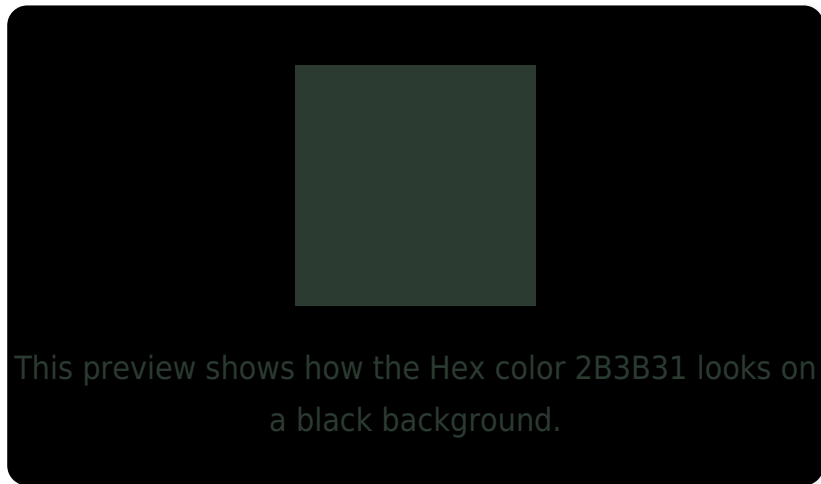
Large Text (above 18pt) WCAG AA ✓ Pass

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

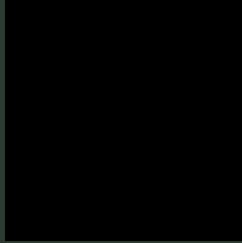
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2B3B31 Background



This preview shows how black text looks on a background with the Hex color 2B3B31.



This preview shows how white text looks on a background with the Hex color 2B3B31.

# 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](#).

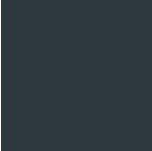
## Dichromacy



**Original Color**  
2B3B31

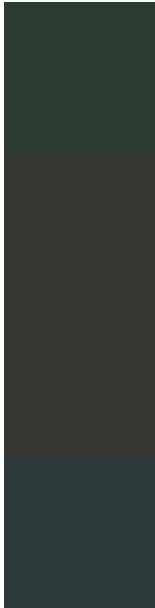
**Protanopia**  
3A372F

**Deuteranopia**  
3E3532



**Tritanopia**  
2D393E

# Trichromacy



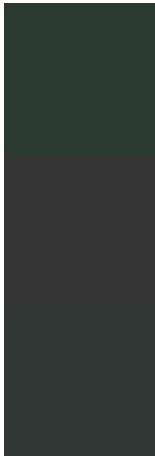
**Original Color**  
2B3B31

**Protanomaly**  
353830

**Deuteranomaly**  
373732

**Tritanomaly**  
2C3A39

# Monochromacy



**Original Color**  
2B3B31

**Achromatopsia**  
353535

**Achromatomaly**  
313734

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2B3B31 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 #2B3B31 looks like.

```
.text, #text, p{  
    color:#2B3B31  
}
```

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 #2B3B31 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2B3B31
}
```

## Border

The CSS property to change the border of an element to Hex 2B3B31 is called "border". The border property can be set on classes, ids or directly on the HTML element.

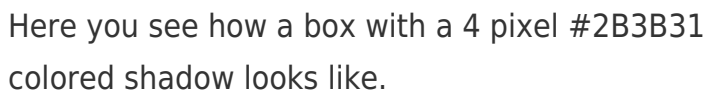
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2B3B31 }
```

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

```
.border{ border-color:#2B3B31 }
```

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



Here you see how a box with a 4 pixel #2B3B31 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2B3B31; -webkit-box-shadow:4px 4px  
4px 4px #2B3B31; box-shadow:4px 4px 4px  
4px #2B3B31 }
```

# Background

The CSS property to change the background color of an element to Hex 2B3B31 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2B3B31 }
```

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

```
.background{ background-color:#2B3B31 }
```

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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