

# Converting Colors

Hex(2E3831)

Have a look what the booklet for  
Hex(2E3831) contains.

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# Color

**Hex(2E3831)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2E3831
RGB	46, 56, 49
RGB Percent	18%, 22%, 19%
CMY	0.8196, 0.7804, 0.8078
CMYK	0.18, 0.00, 0.13, 0.78
HSL	138°, 10%, 20%
HSV	138°, 18%, 22%
XYZ	3.0953, 3.6309, 3.4434
YIQ	52.2120, -3.7130, -4.2970

# Conversions

## Conversions Part 2

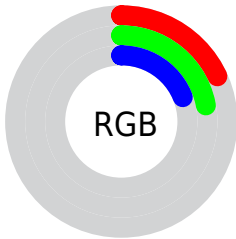
<b>Format</b>	<b>Color</b>
<b>RYB</b>	46, 54, 56
Decimal	3029041
CIELab	22.41, -5.90, 2.98
CIElCh	22, 6.608, 153.194
Yxy	3.6309, 0.3044, 0.3570
Android (android.graphics.Color)	4281219121 (0xFF2E3831)
YUV	52.2120, -1.5835, -5.4479
Hunter-Lab	19.0550, -4.3511, 2.6242

# Details

The Hex color **2E3831** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **382E35**, and the grayscale version is **343434**.

A 20% lighter version of the original color is **5C675F**, and **000D01** is the 20% darker color. If you saturate the color by 10%, you get **28382D**, and if you desaturate by 10%, it is **343835**.

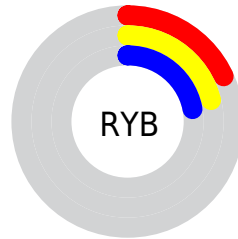
# Distribution



Red (18%)

Green (22%)

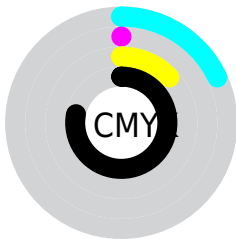
Blue (19%)



Red (18%)

Yellow (21%)

Blue (22%)

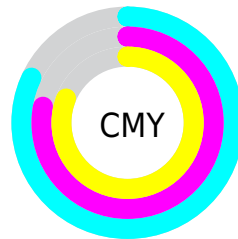


Cyan (18%)

Magenta (0%)

Yellow (13%)

Black (78%)



Cyan (82%)

Magenta (78%)

Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2E3831 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 2E3831 by changing the saturation by 10% instead.





2E3831



2E3831

FFFFFF



19231C



5C675F



000D01



748078



000000



8E9A91



A9B5AC



C4D0C7



E0ECE3



FCFFFF



2E3831



2E3831

■ 28382D

■ 343835

■ 233829

■ 393839

■ 1D3825

■ 3F383D

■ 183821

■ 443841

■ 12381D

■ 4A3845

■ 0C3819

■ 503849

■ 073816

■ 55384C

■ 013812

■ 5B3850

■ 003811

■ 603854

# Harmonies

## Analogous

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



33372D



2E3831



2A3836

# Triad

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



2E3831



31363F



403330

# Complementary

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



2E3831



382E35

# 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.



403235



2E3831



37343E

# Square

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



2E3831



2B373E



3C333A



3D342D

# Rectangle

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



2E3831



293839



3C333A



403232



# Sweetspot

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



2E3831



464A47



35382E



242625



A6A6A6



262626



# Same Dimension

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



2E3831



3A4A3F



2E3836



191C1A



005C1C



00DB42



# Inverse Universe

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



382E35



4A3A45



382E30



1C191B



5C0040

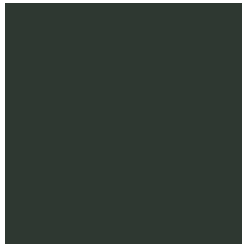


DB009A



# Previews

## White Background



This preview shows how the Hex color 2E3831 looks on a white background.

## Color Contrast Check

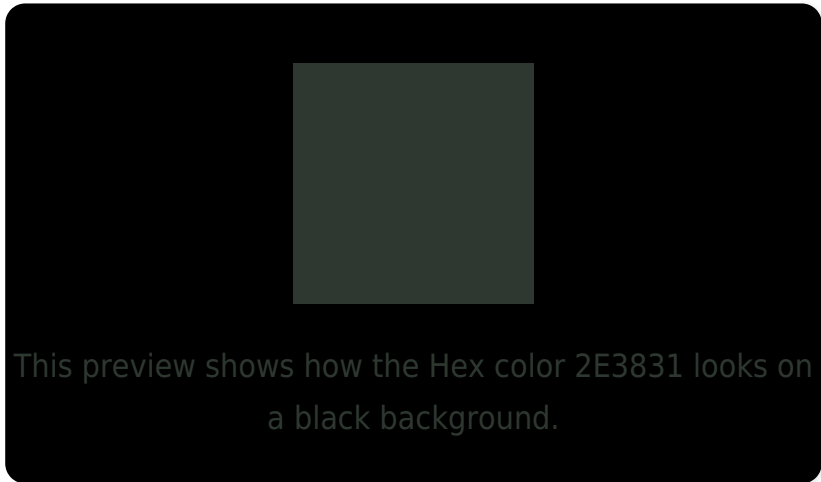
Large Text (above 18pt) WCAG AA ✓ Pass

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

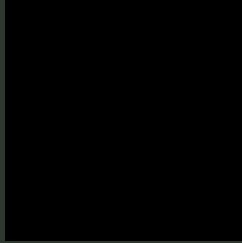
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

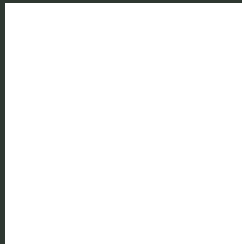
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 2E3831 Background



This preview shows how black text looks on a background with the Hex color 2E3831.



This preview shows how white text looks on a background with the Hex color 2E3831.

# 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**  
2E3831

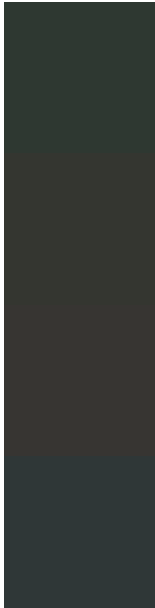
**Protanopia**  
383530

**Deuteranopia**  
3C3432



**Tritanopia**  
30373B

# Trichromacy



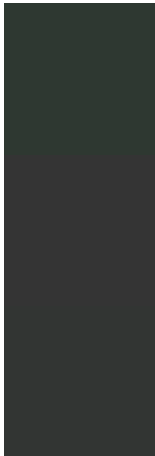
**Original Color**  
2E3831

**Protanomaly**  
343630

**Deuteranomaly**  
373532

**Tritanomaly**  
2F3737

# Monochromacy



**Original Color**  
2E3831

**Achromatopsia**  
343434

**Achromatomaly**  
323533

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2E3831 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 #2E3831 looks like.

```
.text, #text, p{  
    color:#2E3831  
}
```

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 #2E3831 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2E3831
}
```

## Border

The CSS property to change the border of an element to Hex 2E3831 is called "border". The border property can be set on classes, ids or directly on the HTML element.

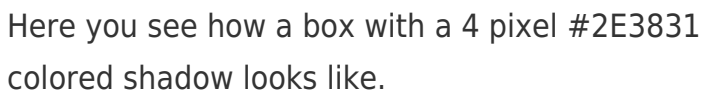
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2E3831 }
```

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

```
.border{ border-color:#2E3831 }
```

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



Here you see how a box with a 4 pixel #2E3831 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2E3831; -webkit-box-shadow:4px 4px  
4px 4px #2E3831; box-shadow:4px 4px 4px  
4px #2E3831 }
```

# Background

The CSS property to change the background color of an element to Hex 2E3831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2E3831 }
```

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

```
.background{ background-color:#2E3831 }
```

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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