

# Converting Colors

Hex(2B3B30)

Have a look what the booklet for  
Hex(2B3B30) contains.

<b>Hex(2B3B30)</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(2B3B30)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2B3B30
RGB	43, 59, 48
RGB Percent	17%, 23%, 19%
CMY	0.8314, 0.7686, 0.8118
CMYK	0.27, 0.00, 0.19, 0.77
HSL	139°, 16%, 20%
HSV	139°, 27%, 23%
XYZ	3.0937, 3.8549, 3.3773
YIQ	52.9620, -6.0050, -6.8130

# Conversions

## Conversions Part 2

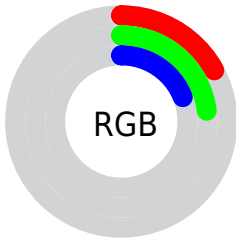
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	43, 55, 59
Decimal	2833200
CIE Lab	23.19, -9.26, 4.72
CIE LCh	23, 10.396, 152.984
Yxy	3.8549, 0.2996, 0.3733
Android (android.graphics.Color)	4281023280 (0xFF2B3B30)
YUV	52.9620, -2.4463, -8.7367
Hunter-Lab	19.6340, -6.2331, 3.5450

# Details

The Hex color **2B3B30** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **3B2B36**, and the grayscale version is **353535**.

A 20% lighter version of the original color is **596A5E**, and **001100** is the 20% darker color. If you saturate the color by 10%, you get **253B2C**, and if you desaturate by 10%, it is **313B34**.

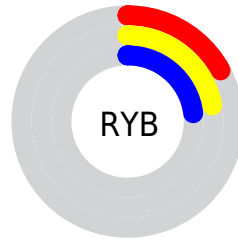
# Distribution



Red (17%)

Green (23%)

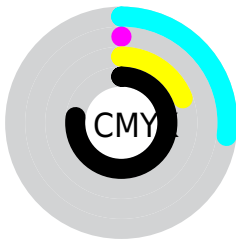
Blue (19%)



Red (17%)

Yellow (22%)

Blue (23%)

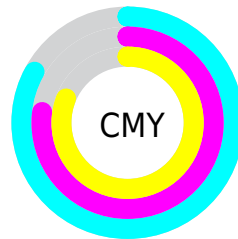


Cyan (27%)

Magenta (0%)

Yellow (19%)

Black (77%)



Cyan (83%)

Magenta (77%)

Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2B3B30 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 2B3B30 by changing the saturation by 10% instead.



■ 2B3B30

■ 2B3B30

FFFFFF

■ 16251B

■ 596A5E

■ 001100

■ 718377

■ 000000

■ 8B9E90

■ A5B8AB

■ C0D4C6

■ DCF1E2

■ F9FFFF

■ 2B3B30

■ 2B3B30

■ 253B2C

■ 313B34

■ 1F3B28

■ 373B38

■ 193B24

■ 3D3B3C

■ 133B20

■ 433B40

■ 0E3B1C

■ 493B44

■ 083B18

■ 4E3B48

■ 023B14

■ 543B4C

■ 003B12

■ 5A3B50

■ 603B55

# Harmonies

## Analogous

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



34392A



2B3B30



243C38

# Triad

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



2B3B30



2F3847



47322F

# Complementary

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



2B3B30



3B2B36

# 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.



473237



2B3B30



3A3544

# Square

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



2B3B30



263A45



42333E



43342A

# Rectangle

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



2B3B30



213C3D



42333E



473232



# Sweetspot

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



2B3B30



464D48



363B2B



222624



A6A6A6



262626



# Same Dimension

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



2B3B30



334D3B



2B3B38



1C1F1C



005E1D



00DE45



# Inverse Universe

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



3B2B36



4D3345



3B2B2E



1F1C1E



5E0041

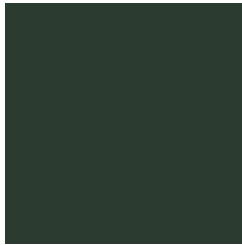


DE0099



# Previews

## White Background



This preview shows how the Hex color 2B3B30 looks on a white background.

## Color Contrast Check

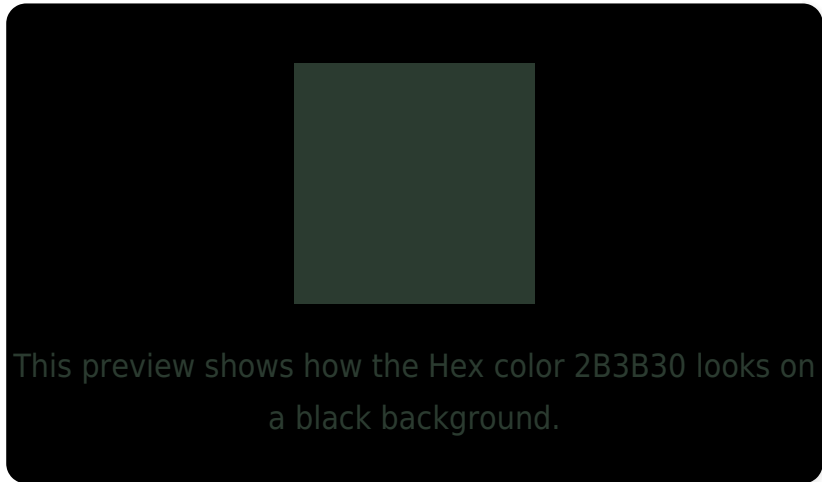
Large Text (above 18pt) WCAG AA ✓ Pass

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

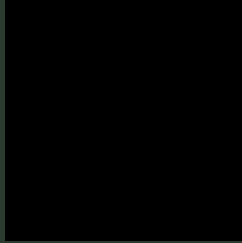
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2B3B30 Background



This preview shows how black text looks on a background with the Hex color 2B3B30.



This preview shows how white text looks on a background with the Hex color 2B3B30.

# 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**  
2B3B30

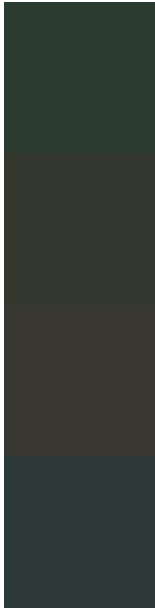
**Protanopia**  
3A372E

**Deuteranopia**  
3F3531



**Tritanopia**  
2E393E

# Trichromacy



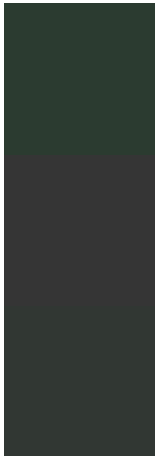
**Original Color**  
2B3B30

**Protanomaly**  
35382F

**Deuteranomaly**  
383731

**Tritanomaly**  
2D3A39

# Monochromacy



**Original Color**  
2B3B30

**Achromatopsia**  
353535

**Achromatomaly**  
313733

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2B3B30 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 #2B3B30 looks like.

```
.text, #text, p{  
    color:#2B3B30  
}
```

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 #2B3B30 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2B3B30
}
```

## Border

The CSS property to change the border of an element to Hex 2B3B30 is called "border". The border property can be set on classes, ids or directly on the HTML element.

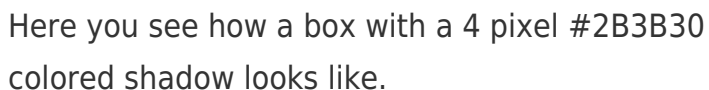
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2B3B30 }
```

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

```
.border{ border-color:#2B3B30 }
```

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



Here you see how a box with a 4 pixel #2B3B30 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2B3B30; -webkit-box-shadow:4px 4px  
4px 4px #2B3B30; box-shadow:4px 4px 4px  
4px #2B3B30 }
```

# Background

The CSS property to change the background color of an element to Hex 2B3B30 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2B3B30 }
```

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

```
.background{ background-color:#2B3B30 }
```

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