

# Converting Colors

Hex(2A2E30)

Have a look what the booklet for  
Hex(2A2E30) contains.

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# Color

Hex(2A2E30)

# Conversions

## Conversions Part 1

Format	Color
Hex	2A2E30
RGB	42, 46, 48
RGB Percent	16%, 18%, 19%
CMY	0.8353, 0.8196, 0.8118
CMYK	0.13, 0.04, 0.00, 0.81
HSL	200°, 7%, 18%
HSV	200°, 12%, 19%
XYZ	2.4653, 2.6596, 3.1797
YIQ	45.0320, -3.0260, -0.2260

# Conversions

## Conversions Part 2

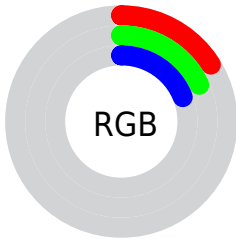
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	42, 44, 48
Decimal	2764336
CIE Lab	18.63, -1.24, -1.89
CIE LCh	19, 2.261, 236.701
Yxy	2.6596, 0.2969, 0.3203
Android (android.graphics.Color)	4280954416 (0xFF2A2E30)
YUV	45.0320, 1.4632, -2.6591
Hunter-Lab	16.3084, -1.5558, -0.1442

# Details

The Hex color **2A2E30** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **302C2A**, and the grayscale version is **2D2D2D**.

A 20% lighter version of the original color is **575C5E**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **252C30**, and if you desaturate by 10%, it is **2F3030**.

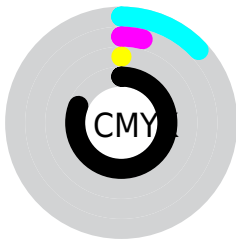
# Distribution



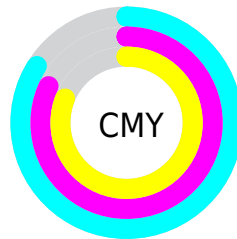
- Red (16%)
- Green (18%)
- Blue (19%)



- Red (16%)
- Yellow (17%)
- Blue (19%)



- Cyan (13%)
- Magenta (4%)
- Yellow (0%)
- Black (81%)



- Cyan (84%)
- Magenta (82%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2A2E30 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 2A2E30 by changing the saturation by 10% instead.



■ 2A2E30

■ 2A2E30

FFFFFF

■ 16191B

■ 575C5E

■ 000000

■ 707477

■ 898E90

■ A3A8AB

■ BEC3C6

■ DADFE2

■ F7FCFF

■ 2A2E30

■ 2A2E30

■ 252C30

■ 2F3030

■ 202B30

■ 343130

■ 1C2930

■ 383330

■ 172830

■ 3D3430

■ 122630

■ 423630

■ 0D2430

■ 473830

■ 082330

■ 4C3930

■ 042130

■ 503B30

■ 002030

■ 553C30

# Harmonies

## Analogous

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



292E2F



2A2E30



2C2E31

# Triad

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



2A2E30



312C2E



2D2E2A

# Complementary

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



2A2E30



302C2A

# 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.



2F2D2A



2A2E30



312C2C

# Square

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



2A2E30



2F2D2F



302D2B



2B2E2B

# Rectangle

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



2A2E30



2D2D30



302D2B



2E2E2A



# Sweetspot

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



2A2E30



3B3C3D



2A302C



1D1E1F



9E9E9E



1F1F1F



# Same Dimension

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



2A2E30



343A3D



2A2B30



151617



003A57



008FD6



# Inverse Universe

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



302A2E



3D343A



302F2A



171516



57003A

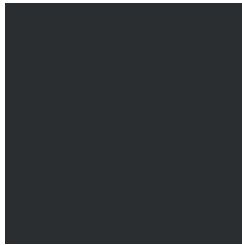


D6008F



# Previews

## White Background



This preview shows how the Hex color 2A2E30 looks on a white background.

## Color Contrast Check

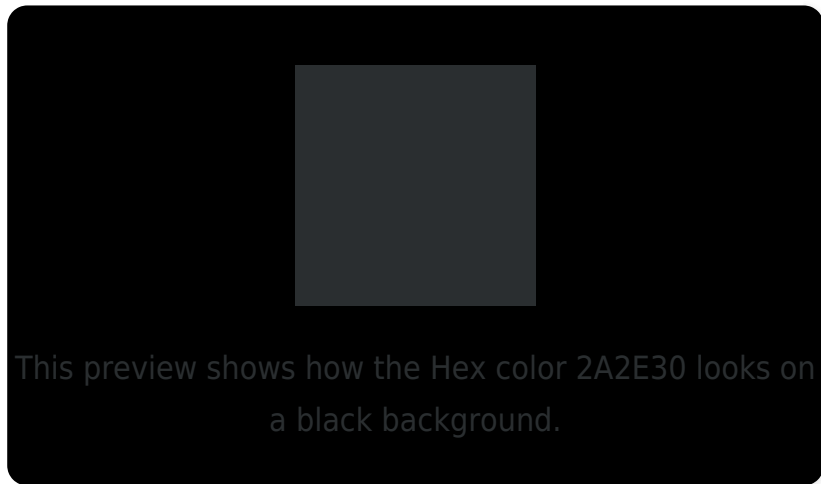
Large Text (above 18pt) WCAG AA ✓ Pass

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

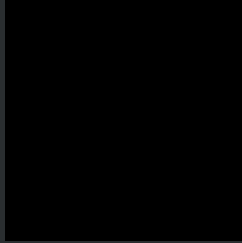
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

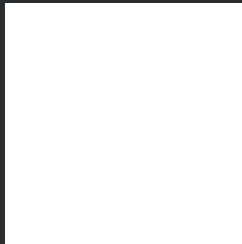
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 2A2E30 Background



This preview shows how black text looks on a background with the Hex color 2A2E30.

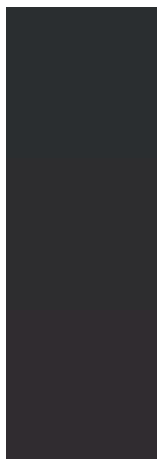


This preview shows how white text looks on a background with the Hex color 2A2E30.

# 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**  
2A2E30

**Protanopia**  
2D2D2F

**Deuteranopia**  
302C30



**Tritanopia**  
2A2E31

# Trichromacy



**Original Color**

2A2E30

**Protanomaly**

2C2D2F

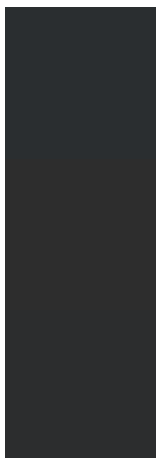
**Deuteranomaly**

2E2D30

**Tritanomaly**

2A2E31

# Monochromacy



**Original Color**

2A2E30

**Achromatopsia**

2D2D2D

**Achromatomaly**

2C2D2E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2A2E30 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 #2A2E30 looks like.

```
.text, #text, p{  
    color:#2A2E30  
}
```

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 #2A2E30 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A2E30
}
```

## Border

The CSS property to change the border of an element to Hex 2A2E30 is called "border". The border property can be set on classes, ids or directly on the HTML element.

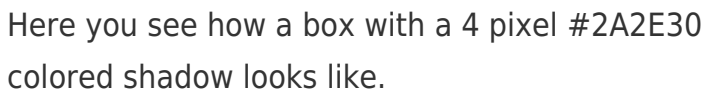
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2A2E30 }
```

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

```
.border{ border-color:#2A2E30 }
```

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



Here you see how a box with a 4 pixel #2A2E30 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A2E30; -webkit-box-shadow:4px 4px  
4px 4px #2A2E30; box-shadow:4px 4px 4px  
4px #2A2E30 }
```

# Background

The CSS property to change the background color of an element to Hex 2A2E30 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A2E30 }
```

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

```
.background{ background-color:#2A2E30 }
```

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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