

# Converting Colors

Hex(2D3D40)

Have a look what the booklet for  
Hex(2D3D40) contains.

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# Color

**Hex(2D3D40)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2D3D40
RGB	45, 61, 64
RGB Percent	18%, 24%, 25%
CMY	0.8235, 0.7608, 0.7490
CMYK	0.30, 0.05, 0.00, 0.75
HSL	189°, 17%, 21%
HSV	189°, 30%, 25%
XYZ	3.6763, 4.2655, 5.4801
YIQ	56.5580, -10.4990, -2.4590

# Conversions

## Conversions Part 2

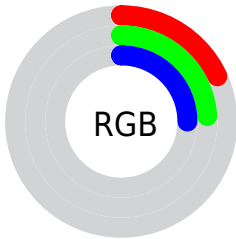
Format	Color
<b>R<sub>YB</sub></b>	45, 54, 64
Decimal	2964800
CIE Lab	24.53, -5.61, -3.96
CIE LCh	25, 6.865, 215.249
Yxy	4.2655, 0.2739, 0.3178
Android (android.graphics.Color)	4281154880 (0xFF2D3D40)
YUV	56.5580, 3.6689, -10.1364
Hunter-Lab	20.6532, -4.3694, -1.2746

# Details

The Hex color **2D3D40** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **40302D**, and the grayscale version is **393939**.

A 20% lighter version of the original color is **5B6C70**, and **001316** is the 20% darker color. If you saturate the color by 10%, you get **273C40**, and if you desaturate by 10%, it is **333E40**.

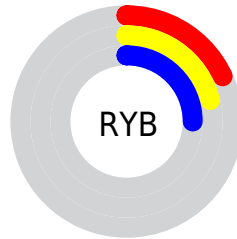
# Distribution



Red (18%)

Green (24%)

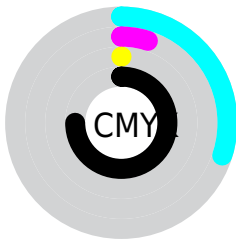
Blue (25%)



Red (18%)

Yellow (21%)

Blue (25%)

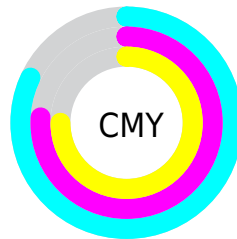


Cyan (30%)

Magenta (5%)

Yellow (0%)

Black (75%)



Cyan (82%)

Magenta (76%)

Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D3D40 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 2D3D40 by changing the saturation by 10% instead.



■ 2D3D40

■ 2D3D40

FFFFFF

■ 18272A

■ 5B6C70

■ 001316

■ 748689

■ 000000

■ 8EA0A3

■ A8BBBE

■ C4D7DA

■ E0F3F7

■ FCFFFF

■ 2D3D40

■ 2D3D40

■ 273C40

■ 333E40

■ 203B40

■ 3A3F40

■ 1A3A40

■ 404040

■ 133940

■ 474140

■ 0D3840

■ 4D4240

■ 073740

■ 534340

■ 003640

■ 5A4440

■ 604540

■ 674640

# Harmonies

## Analogous

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



2E3D3B



2D3D40



303C43

# Triad

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



2D3D40



42373F



3D3A30

# Complementary

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



2D3D40



40302D

# 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.



423831



2D3D40



45373A

# Square

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



2D3D40



3C3943



453735



383C32

# Rectangle

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



2D3D40



343B44



453735



3F3A30



# Sweetspot

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



2D3D40



4D5354



2D4030



272B2B



ABABAB



2B2B2B



# Same Dimension

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



2D3D40



364F54



2D3440



1E2121



005261



00BDE0



# Inverse Universe

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



402D3D



54364F



40392D



211E21



610052

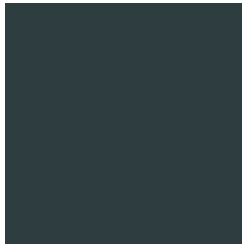


E000BD



# Previews

## White Background



This preview shows how the Hex color 2D3D40 looks on a white background.

## Color Contrast Check

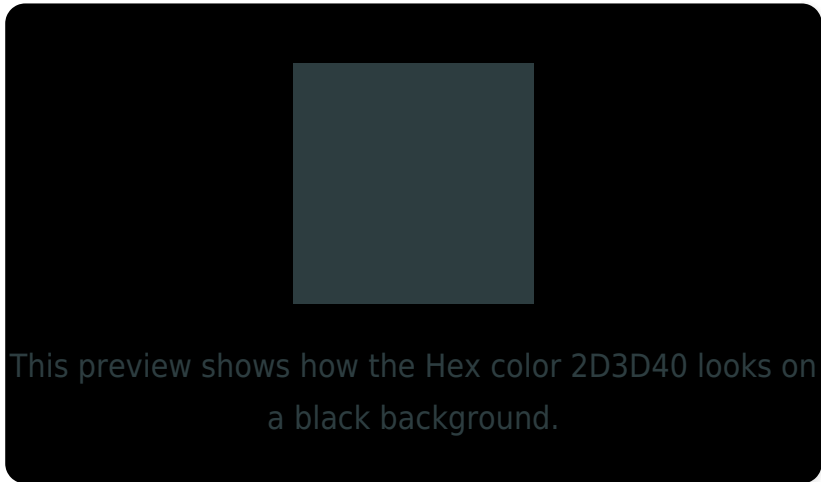
Large Text (above 18pt) WCAG AA ✓ Pass

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

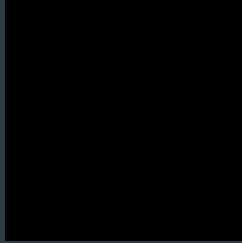
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

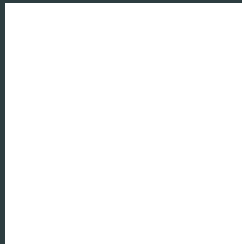
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 2D3D40 Background



This preview shows how black text looks on a background with the Hex color 2D3D40.



This preview shows how white text looks on a background with the Hex color 2D3D40.

# 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**  
2D3D40

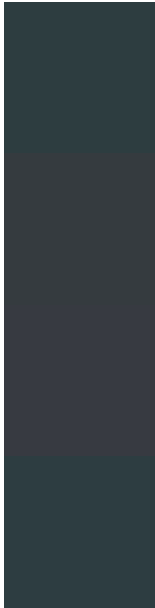
**Protanopia**  
3A3A3E

**Deuteranopia**  
3D3941



**Tritanopia**  
2D3D42

# Trichromacy



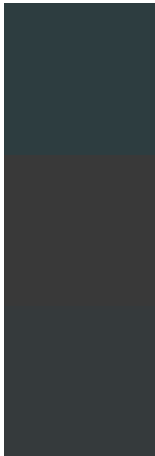
**Original Color**  
2D3D40

**Protanomaly**  
353B3F

**Deuteranomaly**  
373A41

**Tritanomaly**  
2D3D41

# Monochromacy



**Original Color**  
2D3D40

**Achromatopsia**  
393939

**Achromatomaly**  
353A3C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D3D40 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 #2D3D40 looks like.

```
.text, #text, p{  
  color:#2D3D40  
}
```

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 #2D3D40 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D3D40  
}
```

## Border

The CSS property to change the border of an element to Hex 2D3D40 is called "border". The border property can be set on classes, ids or directly on the HTML element.

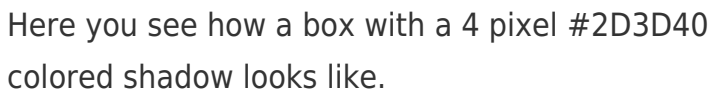
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid  
#2D3D40 }
```

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

```
.border{ border-color:#2D3D40 }
```

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



Here you see how a box with a 4 pixel #2D3D40 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D3D40; -webkit-box-shadow:4px 4px  
4px 4px #2D3D40; box-shadow:4px 4px 4px  
4px #2D3D40 }
```

# Background

The CSS property to change the background color of an element to Hex 2D3D40 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D3D40 }
```

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

```
.background{ background-color:#2D3D40 }
```

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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