

# Converting Colors

Hex(0B2E40)

Have a look what the booklet for  
Hex(0B2E40) contains.

<b>Hex(0B2E40)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(0B2E40)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0B2E40
RGB	11, 46, 64
RGB Percent	4%, 18%, 25%
CMY	0.9569, 0.8196, 0.7490
CMYK	0.83, 0.28, 0.00, 0.75
HSL	200°, 71%, 15%
HSV	200°, 83%, 25%
XYZ	2.0404, 2.3953, 5.2053
YIQ	37.5870, -26.6380, -1.8220

# Conversions

## Conversions Part 2

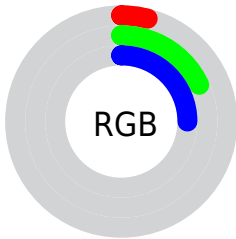
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	11, 32, 64
Decimal	732736
CIE Lab	17.44, -5.17, -14.93
CIE LCh	17, 15.804, 250.911
Yxy	2.3953, 0.2116, 0.2484
Android (android.graphics.Color)	4278922816 (0xFF0B2E40)
YUV	37.5870, 13.0216, -23.3168
Hunter-Lab	15.4768, -3.5513, -9.1072

# Details

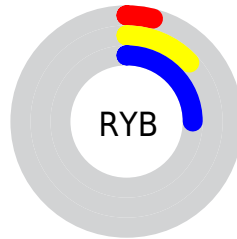
The Hex color **0B2E40** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **401D0B**, and the grayscale version is **252525**.

A 20% lighter version of the original color is **3E5C70**, and **000116** is the 20% darker color. If you saturate the color by 10%, you get **052C40**, and if you desaturate by 10%, it is **113040**.

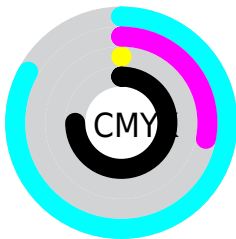
# Distribution



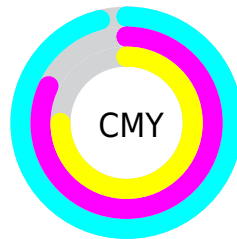
- Red (4%)
- Green (18%)
- Blue (25%)



- Red (4%)
- Yellow (13%)
- Blue (25%)



- Cyan (83%)
- Magenta (28%)
- Yellow (0%)
- Black (75%)



- Cyan (96%)
- Magenta (82%)
- Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0B2E40 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 0B2E40 by changing the saturation by 10% instead.



0B2E40

0B2E40

F9FFFF

001A2A

3E5C70

000116

567489

000000

708EA4

8AA8BF

A5C3DB

C0DFF7

DDFCFF

0B2E40

0B2E40

■ 052C40

■ 113040

■ 002A40

■ 183240

■ 1E3540

■ 253740

■ 2B3940

■ 313B40

■ 383D40

■ 3E3F40

■ 454240

# Harmonies

## Analogous

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



003039



0B2E40



212B41

# Triad

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



0B2E40



412227



222E19

# Complementary

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



0B2E40



401D0B

# 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.



2E2B14



0B2E40



3F241D

# Square

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



0B2E40



3C2332



382815



133023

# Rectangle

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



0B2E40



2C283E



382815



262E17



# Sweetspot

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



0B2E40



3F4D54



0B401D



1E272B



ABABAB



2B2B2B



# Same Dimension

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



0B2E40



013854



0B1440



1E2021



004061



0094E0



# Inverse Universe

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



400B2E



540138



40370B



211E20



610040

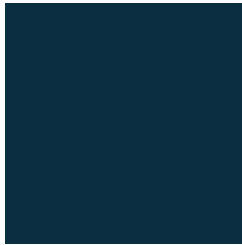


E00094



# Previews

## White Background



This preview shows how the Hex color 0B2E40 looks on a white background.

## Color Contrast Check

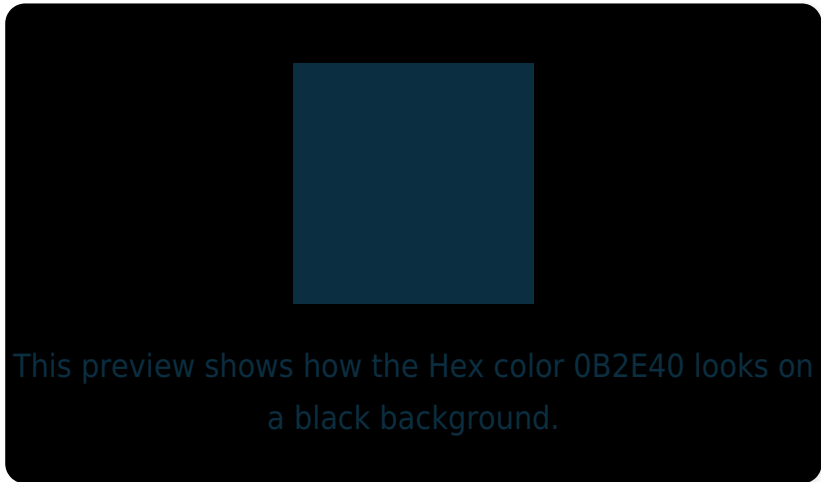
Large Text (above 18pt) WCAG AA ✓ Pass

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

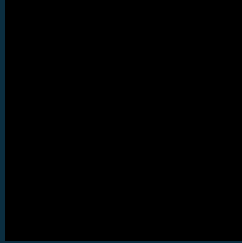
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0B2E40 Background



This preview shows how black text looks on a background with the Hex color 0B2E40.



This preview shows how white text looks on a background with the Hex color 0B2E40.

# 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**  
0B2E40

**Protanopia**  
252A3D

**Deuteranopia**  
212B41



# Trichromacy



**Original Color**

0B2E40

**Protanomaly**

1C2B3E

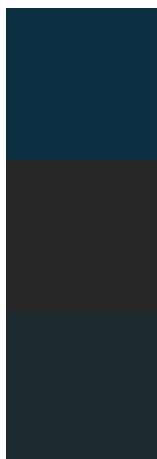
**Deuteranomaly**

192C41

**Tritanomaly**

042F38

# Monochromacy



**Original Color**

0B2E40

**Achromatopsia**

262626

**Achromatomaly**

1C292F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0B2E40 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 #0B2E40 looks like.

```
.text, #text, p{  
    color:#0B2E40  
}
```

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 #0B2E40 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0B2E40
}
```

## Border

The CSS property to change the border of an element to Hex 0B2E40 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
#0B2E40 }
```

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

```
.border{ border-color:#0B2E40 }
```

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

Here you see how a box with a 4 pixel #0B2E40 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0B2E40; -webkit-box-shadow:4px 4px  
4px 4px #0B2E40; box-shadow:4px 4px 4px  
4px #0B2E40 }
```

# Background

The CSS property to change the background color of an element to Hex 0B2E40 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0B2E40 }
```

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

```
.background{ background-color:#0B2E40 }
```

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