

# Converting Colors

Hex(0A2A3F)

Have a look what the booklet for  
Hex(0A2A3F) contains.

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# Color

Hex(0A2A3F)

# Conversions

## Conversions Part 1

Format	Color
Hex	0A2A3F
RGB	10, 42, 63
RGB Percent	4%, 16%, 25%
CMY	0.9608, 0.8353, 0.7529
CMYK	0.84, 0.33, 0.00, 0.75
HSL	204°, 73%, 14%
HSV	204°, 84%, 25%
XYZ	1.8503, 2.0793, 5.0065
YIQ	34.8260, -25.8130, -0.2530

# Conversions

## Conversions Part 2

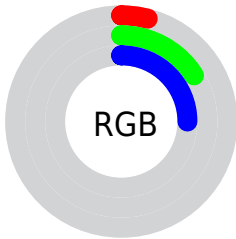
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	10, 30, 63
Decimal	666175
CIE <sub>Lab</sub>	15.90, -2.99, -16.65
CIE <sub>LCh</sub>	16, 16.919, 259.833
Yxy	2.0793, 0.2071, 0.2327
Android (android.graphics.Color)	4278856255 (0xFF0A2A3F)
YUV	34.8260, 13.8898, -21.7724
Hunter-Lab	14.4199, -2.3300, -10.4910

# Details

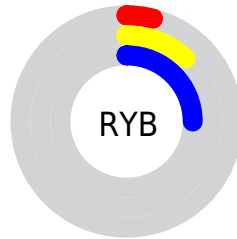
The Hex color **0A2A3F** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **3F1F0A**, and the grayscale version is **232323**.

A 20% lighter version of the original color is **3D576F**, and **000114** is the 20% darker color. If you saturate the color by 10%, you get **04283F**, and if you desaturate by 10%, it is **102C3F**.

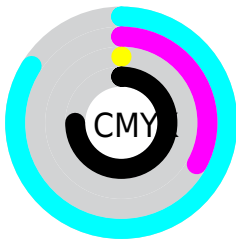
# Distribution



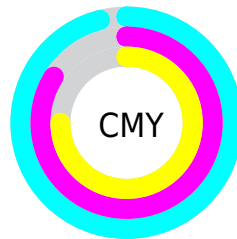
- Red (4%)
- Green (16%)
- Blue (25%)



- Red (4%)
- Yellow (12%)
- Blue (25%)



- Cyan (84%)
- Magenta (33%)
- Yellow (0%)
- Black (75%)



- Cyan (96%)
- Magenta (84%)
- Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0A2A3F 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 0A2A3F by changing the saturation by 10% instead.



■ 0A2A3F

■ 0A2A3F

■ F8FFFF

■ 001629

■ 3D576F

■ 000114

■ 556F88

■ 000000

■ 6F89A2

■ 89A3BE

■ A3BED9

■ BFDAF6

■ DBF6FF

■ 0A2A3F

■ 0A2A3F

■ 04283F

■ 102C3F

■ 00263F

■ 172F3F

■ 1D313F

■ 23343F

■ 2A363F

■ 30393F

■ 363B3F

■ 3C3E3F

■ 43403F

# Harmonies

## Analogous

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



002D3A



0A2A3F



22263E

# Triad

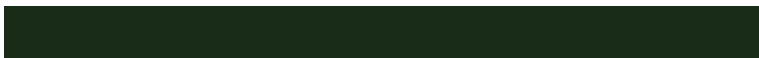
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



0A2A3F



3E1E20



192C18

# Complementary

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



0A2A3F



3F1F0A

# 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.



272910



0A2A3F



3B2116

# Square

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



0A2A3F



3C1E2C



33250F



062E23

# Rectangle

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



0A2A3F



2E233A



33250F



1E2B15



# Sweetspot

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



0A2A3F



3D4A52



0A3F1E



1D2429



A8A8A8



292929



# Same Dimension

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



0A2A3F



003152



0A103F



1C1D1F



00395E



0086DE



# Inverse Universe

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



3F0A2A



520031



3F390A



1F1C1D



5E0039



DE0086



# Previews

## White Background



This preview shows how the Hex color 0A2A3F looks on a white background.

## Color Contrast Check

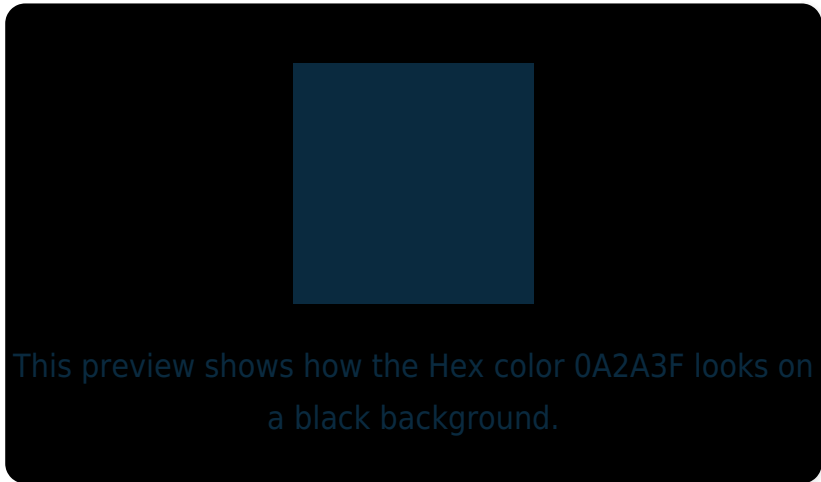
Large Text (above 18pt) WCAG AA ✓ Pass

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

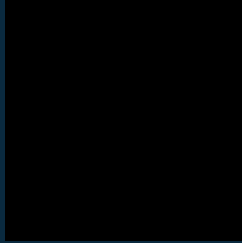
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0A2A3F Background



This preview shows how black text looks on a background with the Hex color 0A2A3F.



This preview shows how white text looks on a background with the Hex color 0A2A3F.

# 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**  
0A2A3F

**Protanopia**  
20273D

**Deuteranopia**  
1A283F



# Trichromacy



**Original Color**  
0A2A3F

**Protanomaly**  
18283E

**Deuteranomaly**  
14293F

**Tritanomaly**  
042B35

# Monochromacy



**Original Color**  
0A2A3F

**Achromatopsia**  
232323

**Achromatomaly**  
1A262D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0A2A3F 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 #0A2A3F looks like.

```
.text, #text, p{  
    color:#0A2A3F  
}
```

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 #0A2A3F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0A2A3F
}
```

## Border

The CSS property to change the border of an element to Hex 0A2A3F is called "border". The border property can be set on classes, ids or directly on the HTML element.

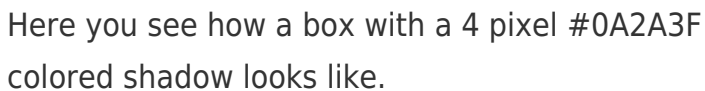
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#0A2A3F }
```

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

```
.border{ border-color:#0A2A3F }
```

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



Here you see how a box with a 4 pixel #0A2A3F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0A2A3F; -webkit-box-shadow:4px 4px  
4px 4px #0A2A3F; box-shadow:4px 4px 4px  
4px #0A2A3F }
```

# Background

The CSS property to change the background color of an element to Hex 0A2A3F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0A2A3F }
```

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

```
.background{ background-color:#0A2A3F }
```

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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