

# Converting Colors

Hex(0D212F)

Have a look what the booklet for  
Hex(0D212F) contains.

<b>Hex(0D212F)</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(0D212F)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0D212F
RGB	13, 33, 47
RGB Percent	5%, 13%, 18%
CMY	0.9490, 0.8706, 0.8157
CMYK	0.72, 0.30, 0.00, 0.82
HSL	205°, 57%, 12%
HSV	205°, 72%, 18%
XYZ	1.2229, 1.3785, 2.8909
YIQ	28.6160, -16.4140, 0.1140

# Conversions

## Conversions Part 2

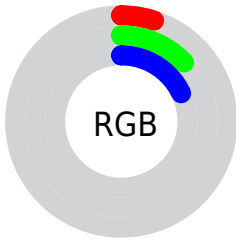
<b>Format</b>	<b>Color</b>
<b>RYB</b>	13, 26, 47
Decimal	860463
CIELab	11.81, -2.72, -11.71
CIElCh	12, 12.023, 256.903
Yxy	1.3785, 0.2227, 0.2510
Android (android.graphics.Color)	4279050543 (0xFF0D212F)
YUV	28.6160, 9.0633, -13.6952
Hunter-Lab	11.7410, -1.9545, -6.3801

# Details

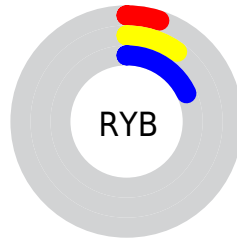
The Hex color **0D212F** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **2F1B0D**, and the grayscale version is **1D1D1D**.

A 20% lighter version of the original color is **3A4D5D**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **081F2F**, and if you desaturate by 10%, it is **12232F**.

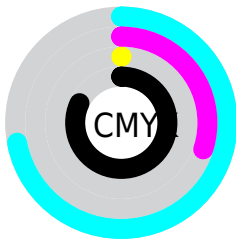
# Distribution



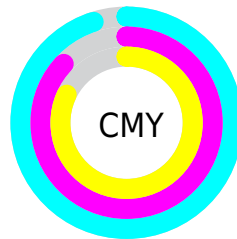
- Red (5%)
- Green (13%)
- Blue (18%)



- Red (5%)
- Yellow (10%)
- Blue (18%)



- Cyan (72%)
- Magenta (30%)
- Yellow (0%)
- Black (82%)



- Cyan (95%)
- Magenta (87%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0D212F 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 0D212F by changing the saturation by 10% instead.



0D212F

0D212F

F2FFFF

000A1B

3A4D5D

000000

526576

6B7E8F

8498AA

9FB2C5

BACEE1

D6EAFE

0D212F

0D212F

■ 081F2F

■ 12232F

■ 041D2F

■ 16252F

■ 001C2F

■ 1B272F

■ 20292F

■ 252B2F

■ 292D2F

■ 2E2F2F

■ 33302F

■ 37322F

# Harmonies

## Analogous

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



02232B



0D212F



1B1E2F

# Triad

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



0D212F



2F191B



172213

# Complementary

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



0D212F



2F1B0D

# 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.



20200E



0D212F



2D1B13

# Square

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



0D212F



2D1923



281D0E



0C231B

# Rectangle

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



0D212F



231C2C



281D0E



1A2211



# Sweetspot

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



0D212F



30383D



0D2F1B



171B1F



9E9E9E



1F1F1F



# Same Dimension

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



0D212F



08273D



0D102F



151617



003357



007ED6



# Inverse Universe

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



2F0D21



3D0827



2F2C0D



171516



570033

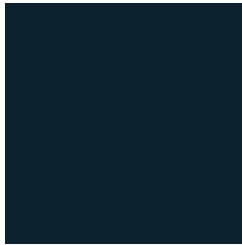


D6007E



# Previews

## White Background



This preview shows how the Hex color 0D212F looks on a white background.

## Color Contrast Check

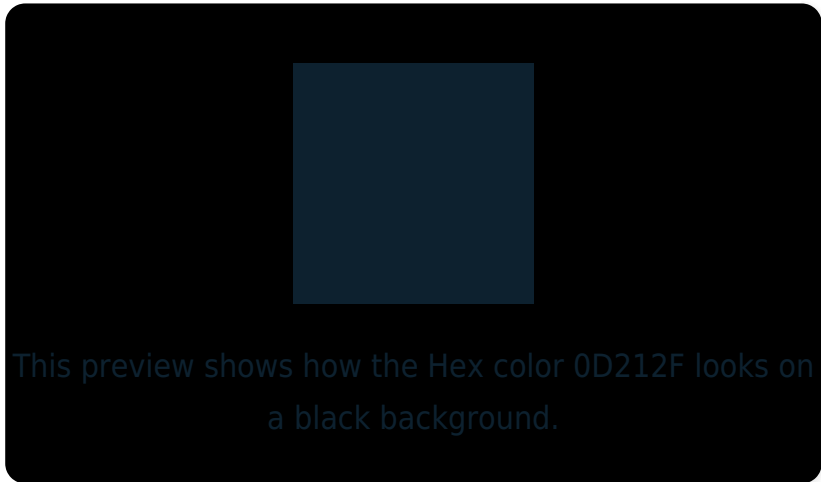
Large Text (above 18pt) WCAG AA ✓ Pass

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

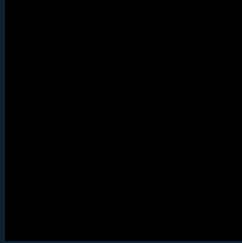
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0D212F Background



This preview shows how black text looks on a background with the Hex color 0D212F.



This preview shows how white text looks on a background with the Hex color 0D212F.

# 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**  
0D212F

**Protanopia**  
1B1F2D

**Deuteranopia**  
181F2F



**Tritanopia**  
032326

# Trichromacy



**Original Color**  
0D212F

**Protanomaly**  
16202E

**Deuteranomaly**  
14202F

**Tritanomaly**  
072229

# Monochromacy



**Original Color**  
0D212F

**Achromatopsia**  
1D1D1D

**Achromatomaly**  
171E24

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0D212F 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 #0D212F looks like.

```
.text, #text, p{  
    color:#0D212F  
}
```

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 #0D212F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0D212F
}
```

## Border

The CSS property to change the border of an element to Hex 0D212F is called "border". The border property can be set on classes, ids or directly on the HTML element.

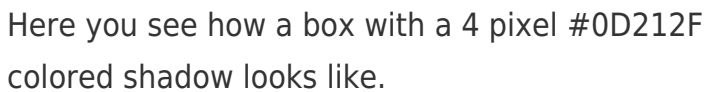
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#0D212F }
```

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

```
.border{ border-color:#0D212F }
```

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



Here you see how a box with a 4 pixel #0D212F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0D212F; -webkit-box-shadow:4px 4px  
4px 4px #0D212F; box-shadow:4px 4px 4px  
4px #0D212F }
```

# Background

The CSS property to change the background color of an element to Hex 0D212F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0D212F }
```

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

```
.background{ background-color:#0D212F }
```

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