

# Converting Colors

Hex(0D2A6B)

Have a look what the booklet for  
Hex(0D2A6B) contains.

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# Color

**Hex(0D2A6B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0D2A6B
RGB	13, 42, 107
RGB Percent	5%, 16%, 42%
CMY	0.9490, 0.8353, 0.5804
CMYK	0.88, 0.61, 0.00, 0.58
HSL	221°, 78%, 24%
HSV	221°, 88%, 42%
XYZ	3.6478, 2.8030, 14.2587
YIQ	40.7390, -38.1490, 14.0670

# Conversions

## Conversions Part 2

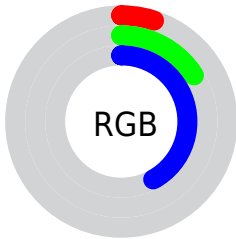
<b>Format</b>	<b>Color</b>
<b>RYB</b>	13, 35, 107
Decimal	862827
CIELab	19.24, 16.77, -40.81
CIElCh	19, 44.121, 292.341
Yxy	2.8030, 0.1761, 0.1353
Android (android.graphics.Color)	4279052907 (0xFF0D2A6B)
YUV	40.7390, 32.6667, -24.3271
Hunter-Lab	16.7423, 9.5925, -38.7753

# Details

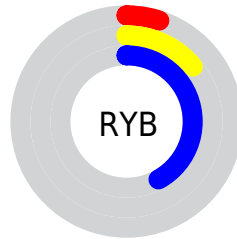
The Hex color **0D2A6B** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **6B4E0D**, and the grayscale version is **282828**.

A 20% lighter version of the original color is **4B579F**, and **00003B** is the 20% darker color. If you saturate the color by 10%, you get **02236B**, and if you desaturate by 10%, it is **18316B**.

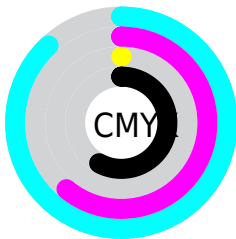
# Distribution



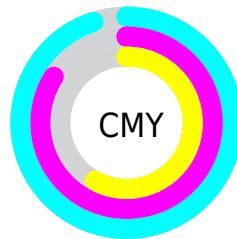
- Red (5%)
- Green (16%)
- Blue (42%)



- Red (5%)
- Yellow (14%)
- Blue (42%)



- Cyan (88%)
- Magenta (61%)
- Yellow (0%)
- Black (58%)



- Cyan (95%)
- Magenta (84%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0D2A6B 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 0D2A6B by changing the saturation by 10% instead.



0D2A6B

0D2A6B

FFFFFF

001652

4B579F

00003B

666FBA

000224

8288D6

00000C

9DA3F3

000000

B9BEFF

D6D9FF

F3F6FF

0D2A6B

0D2A6B

■ 02236B

■ 18316B

■ 00216B

■ 22396B

■ 2D406B

■ 38486B

■ 424F6B

■ 4D566B

■ 585E6B

■ 63656B

■ 6D6D6B

# Harmonies

## Analogous

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



00356F



0D2A6B



4C1756

# Triad

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



0D2A6B



581A00



003B25

# Complementary

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



0D2A6B



6B4E0D

# 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.



003900



0D2A6B



422A00

# Square

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



0D2A6B



640119



243400



003C46

# Rectangle

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



0D2A6B



5D0443



243400



003B1A



# Sweetspot

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



0D2A6B



68738C



0D6B4D



313847



C7C7C7



474747



# Same Dimension

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



0D2A6B



002B8C



1E0D6B



303236



002475



004CF5



# Inverse Universe

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



6B0D2A



8C002B



5A6B0D



363032



750024



F5004C



# Previews

## White Background



This preview shows how the Hex color 0D2A6B looks on a white background.

## Color Contrast Check

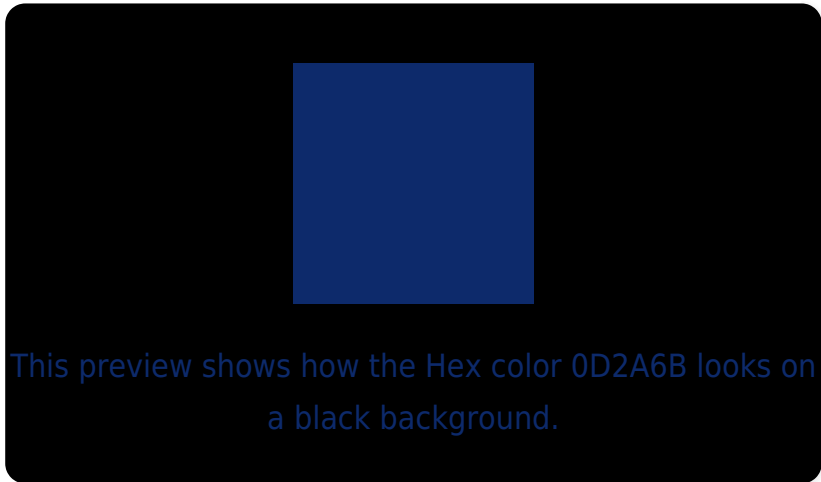
Large Text (above 18pt) WCAG AA ✓ Pass

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

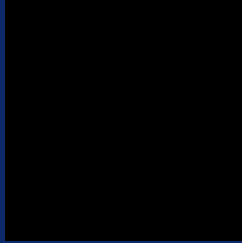
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0D2A6B Background



This preview shows how black text looks on a background with the Hex color 0D2A6B.



This preview shows how white text looks on a background with the Hex color 0D2A6B.

# 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**  
0D2A6B

**Protanopia**  
002D60

**Deuteranopia**  
003052



# Trichromacy



**Original Color**  
0D2A6B

**Protanomaly**  
052C64

**Deuteranomaly**  
052E5B

**Tritanomaly**  
05304B

# Monochromacy



**Original Color**  
0D2A6B

**Achromatopsia**  
292929

**Achromatomaly**  
1F2941

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0D2A6B 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 #0D2A6B looks like.

```
.text, #text, p{  
    color:#0D2A6B  
}
```

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 #0D2A6B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0D2A6B
}
```

## Border

The CSS property to change the border of an element to Hex 0D2A6B 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
#0D2A6B }
```

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

```
.border{ border-color:#0D2A6B }
```

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

Here you see how a box with a 4 pixel #0D2A6B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0D2A6B; -webkit-box-shadow:4px 4px  
4px 4px #0D2A6B; box-shadow:4px 4px 4px  
4px #0D2A6B }
```

# Background

The CSS property to change the background color of an element to Hex 0D2A6B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0D2A6B }
```

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

```
.background{ background-color:#0D2A6B }
```

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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