

# Converting Colors

Hex(02B071)

Have a look what the booklet for  
Hex(02B071) contains.

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**Color**

**Hex(02B071)**

# Conversions

## Conversions Part 1

Format	Color
Hex	02B071
RGB	2, 176, 113
RGB Percent	1%, 69%, 44%
CMY	0.9922, 0.3098, 0.5569
CMYK	0.99, 0.00, 0.36, 0.31
HSL	158°, 98%, 35%
HSV	158°, 99%, 69%
XYZ	18.5310, 32.2558, 20.8721
YIQ	116.7920, -83.4810, -56.4810

# Conversions

## Conversions Part 2

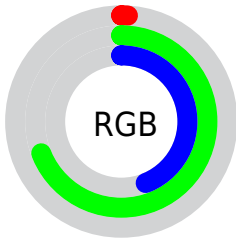
<b>Format</b>	<b>Color</b>
<b>RYB</b>	2, 108, 176
Decimal	176241
CIELab	63.55, -52.98, 21.84
CIELCh	64, 57.303, 157.593
Yxy	32.2558, 0.2586, 0.4501
Android (android.graphics.Color)	4278366321 (0xFF02B071)
YUV	116.7920, -1.8695, -100.6726
Hunter-Lab	56.7942, -41.1483, 17.9666

# Details

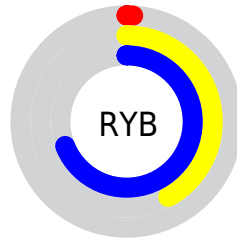
The Hex color **02B071** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **B00241**, and the grayscale version is **757575**.

A 20% lighter version of the original color is **5EE9A5**, and **007A40** is the 20% darker color. If you saturate the color by 10%, you get **00B070**, and if you desaturate by 10%, it is **14B077**.

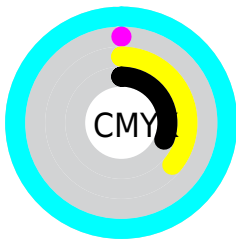
# Distribution



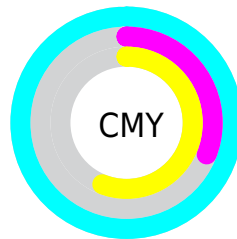
- Red (1%)
- Green (69%)
- Blue (44%)



- Red (1%)
- Yellow (42%)
- Blue (69%)



- Cyan (99%)
- Magenta (0%)
- Yellow (36%)
- Black (31%)



- Cyan (99%)
- Magenta (31%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 02B071 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 02B071 by changing the saturation by 10% instead.



 02B071

 02B071

FFFFFF

 009558

 5EE9A5

 007A40

 7DFFC0

 00602A

 9BFFDC

 004714

 B9FFF9

 003000

 D7FFFF

 001500

 F5FFFF

 000000

 02B071

 02B071

 00B070

 14B077

 25B07E

 37B084

 48B08A

 5AB091

 6CB097

 7DB09E

 8FB0A4

 A0B0AA

# Harmonies

## Analogous

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



73A944



02B071



00B3A6

# Triad

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



02B071



4B9BFF



F0765E

# Complementary

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



02B071



B00241

# 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.



F76B8F



02B071



AE87EB

# Square

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



02B071



00AAF8



E273C2



D48939

# Rectangle

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



02B071



00B2C8



E273C2



F5706E



# Sweetspot

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



02B071



A1E6CD



42B002



497364



F2F2F2



737373



# Same Dimension

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



02B071



00E692



0299B0



505956



009962



001A10



# Inverse Universe

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



B00241



E60053



B01902



595054



990037

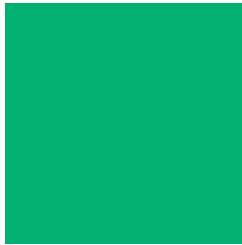


1A0009



# Previews

## White Background



This preview shows how the Hex color 02B071 looks on a white background.

## Color Contrast Check

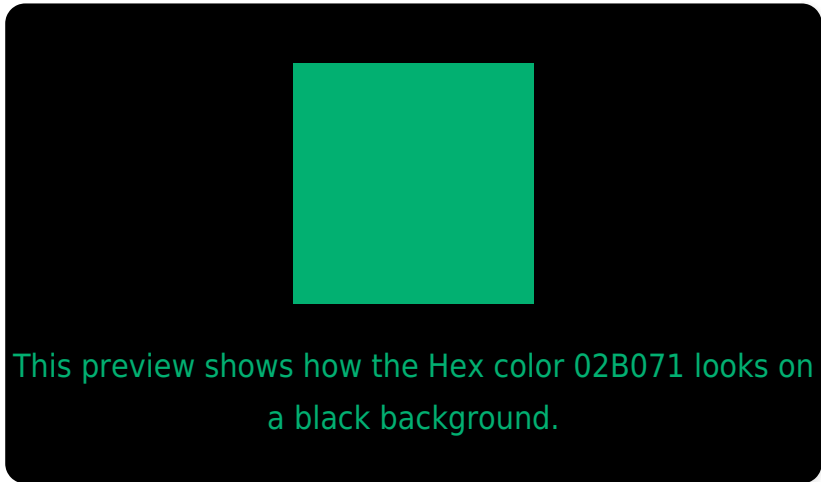
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black 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

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



## Hex 02B071 Background



This preview shows how black text looks on a background with the Hex color 02B071.

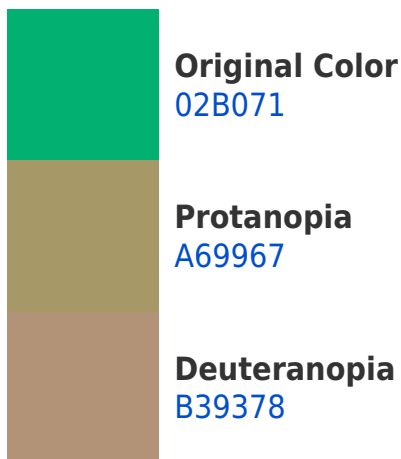


This preview shows how white text looks on a background with the Hex color 02B071.

# 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





**Tritanopia**  
3EA8B5

# Trichromacy



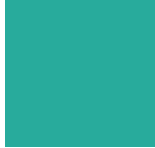
**Original Color**  
02B071



**Protanomaly**  
6AA16B



**Deuteranomaly**  
739E75



**Tritanomaly**  
28AB9C

# Monochromacy



**Original Color**  
02B071



**Achromatopsia**  
757575



**Achromatomaly**  
4B8A74

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 02B071 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 #02B071 looks like.

```
.text, #text, p{  
    color:#02B071  
}
```

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 #02B071 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #02B071
}
```

## Border

The CSS property to change the border of an element to Hex 02B071 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
#02B071 }
```

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

```
.border{ border-color:#02B071 }
```

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

Here you see how a box with a 4 pixel #02B071 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #02B071; -webkit-box-shadow:4px 4px  
4px 4px #02B071; box-shadow:4px 4px 4px  
4px #02B071 }
```

# Background

The CSS property to change the background color of an element to Hex 02B071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#02B071 }
```

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

```
.background{ background-color:#02B071 }
```

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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