

# Converting Colors

Hex(02A046)

Have a look what the booklet for  
Hex(02A046) contains.

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**Color**

**Hex(02A046)**

# Conversions

## Conversions Part 1

Format	Color
Hex	02A046
RGB	2, 160, 70
RGB Percent	1%, 63%, 27%
CMY	0.9922, 0.3725, 0.7255
CMYK	0.99, 0.00, 0.56, 0.37
HSL	146°, 98%, 32%
HSV	146°, 99%, 63%
XYZ	13.7013, 25.5967, 10.0129
YIQ	102.4980, -65.2780, -61.4860

# Conversions

## Conversions Part 2

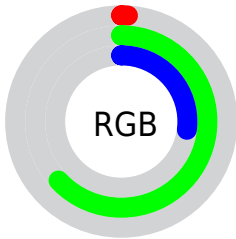
<b>Format</b>	<b>Color</b>
<b>RYB</b>	2, 112, 160
Decimal	172102
CIELab	57.65, -55.30, 36.71
CIELCh	58, 66.377, 146.420
Yxy	25.5967, 0.2779, 0.5191
Android (android.graphics.Color)	4278362182 (0xFF02A046)
YUV	102.4980, -16.0215, -88.1367
Hunter-Lab	50.5932, -40.1978, 23.6812

# Details

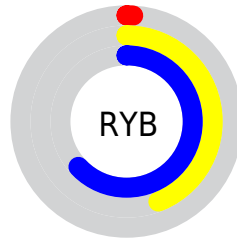
The Hex color **02A046** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **A0025C**, and the grayscale version is **676767**.

A 20% lighter version of the original color is **5AD879**, and **006B14** is the 20% darker color. If you saturate the color by 10%, you get **00A045**, and if you desaturate by 10%, it is **12A04F**.

# Distribution



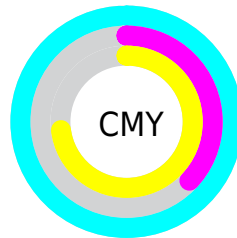
- Red (1%)
- Green (63%)
- Blue (27%)



- Red (1%)
- Yellow (44%)
- Blue (63%)



- Cyan (99%)
- Magenta (0%)
- Yellow (56%)
- Black (37%)



- Cyan (99%)
- Magenta (37%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 02A046 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 02A046 by changing the saturation by 10% instead.



 02A046

 02A046

FFFFFF

 00852E

 5AD879

 006B14

 78F593

 005100

 95FFAE

 003900

 B3FFCA

 002200

 D1FFE6

 000000

 EFFFFFF

 02A046

 02A046

 00A045

 12A04F

 22A058

 32A061

 42A06A

 52A074

 62A07D

 72A086

 82A08F

 92A098

# Harmonies

## Analogous

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



749607



02A046



00A581

# Triad

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



02A046



0094FF



EF555B

# Complementary

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



02A046



A0025C

# 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.



ED4E94



02A046



7B7EF3

# Square

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



02A046



00A0EB



C962CC



D76E26

# Rectangle

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



02A046



00A5AA



C962CC



F2506D



# Sweetspot

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



02A046



92D1AD



5EA002



436953



E8E8E8



696969



# Same Dimension

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



02A046



00D15A



02A093



474F4B



008F3D



000F07



# Inverse Universe

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



A0025C



D10077



A0020F



4F474C



8F0051



0F0009



# Previews

## White Background



This preview shows how the Hex color 02A046 looks on a white background.

## Color Contrast Check

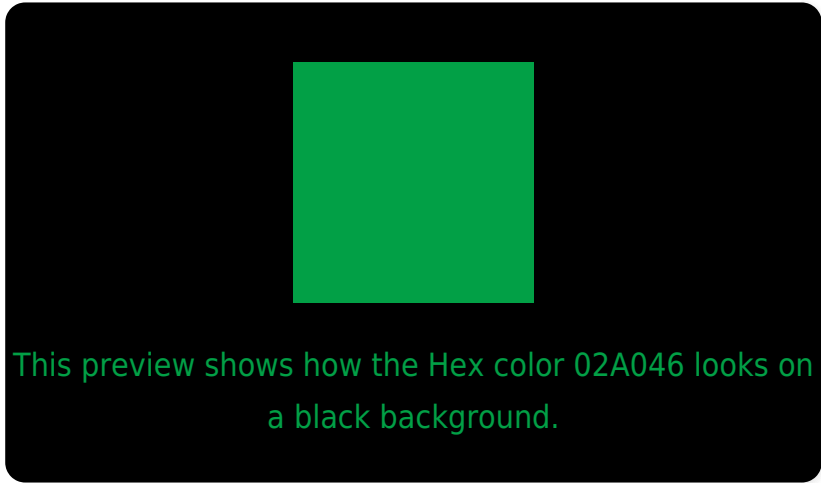
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

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



## Hex 02A046 Background



This preview shows how black text looks on a background with the Hex color 02A046.



This preview shows how white text looks on a background with the Hex color 02A046.

# 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**  
02A046

**Protanopia**  
998A3F

**Deuteranopia**  
A8834E



**Tritanopia**  
3F96A3

# Trichromacy



**Original Color**

02A046



**Protanomaly**

629242



**Deuteranomaly**

6C8E4B



**Tritanomaly**

299A81

# Monochromacy



**Original Color**

02A046



**Achromatopsia**

666666



**Achromatomaly**

427B5A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 02A046 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 #02A046 looks like.

```
.text, #text, p{  
    color:#02A046  
}
```

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 #02A046 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #02A046
}
```

## Border

The CSS property to change the border of an element to Hex 02A046 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
#02A046 }
```

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

```
.border{ border-color:#02A046 }
```

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

Here you see how a box with a 4 pixel #02A046 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #02A046; -webkit-box-shadow:4px 4px  
4px 4px #02A046; box-shadow:4px 4px 4px  
4px #02A046 }
```

# Background

The CSS property to change the background color of an element to Hex 02A046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#02A046 }
```

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

```
.background{ background-color:#02A046 }
```

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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