

Converting Colors

Hex(02A948)

Have a look what the booklet for
Hex(02A948) contains.

Hex(02A948)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(02A948)

Conversions

Conversions Part 1

Format	Color
Hex	02A948
RGB	2, 169, 72
RGB Percent	1%, 66%, 28%
CMY	0.9922, 0.3373, 0.7176
CMYK	0.99, 0.00, 0.57, 0.34
HSL	145°, 98%, 34%
HSV	145°, 99%, 66%
XYZ	15.3827, 28.8567, 10.8900
YIQ	108.0090, -68.3950, -65.5710

Conversions

Conversions Part 2

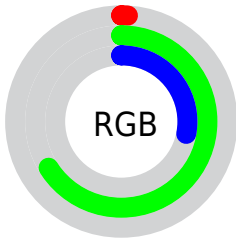
Format	Color
R_{YB}	2, 120, 169
Decimal	174408
CIE _{Lab}	60.65, -57.93, 39.33
CIE _{LCh}	61, 70.017, 145.828
Yxy	28.8567, 0.2790, 0.5234
Android (android.graphics.Color)	4278364488 (0xFF02A948)
YUV	108.0090, -17.7524, -92.9699
Hunter-Lab	53.7185, -42.8924, 25.5834

Details

The Hex color **02A948** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **A90263**, and the grayscale version is **6C6C6C**.

A 20% lighter version of the original color is **5CE27B**, and **007315** is the 20% darker color. If you saturate the color by 10%, you get **00A947**, and if you desaturate by 10%, it is **13A952**.

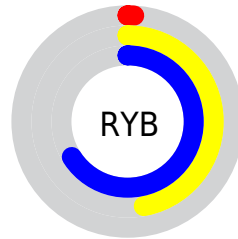
Distribution



Red (1%)

Green (66%)

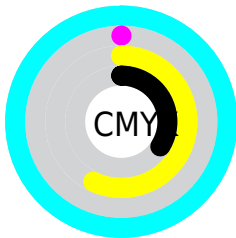
Blue (28%)



Red (1%)

Yellow (47%)

Blue (66%)

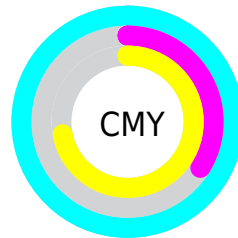


Cyan (99%)

Magenta (0%)

Yellow (57%)

Black (34%)



Cyan (99%)

Magenta (34%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the Hex color 02A948 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 02A948 by changing the saturation by 10% instead.

 02A948

 02A948

FFFFFF

 008E2F

 5CE27B

 007315

 7BFF96

 005900

 99FFB1

 004000

 B7FFCD

 002A00

 D5FFE9

 000400

 F3FFFF

 000000

 02A948

 02A948

 00A947

 13A952

 24A95C

 35A965

 46A96F

 56A979

 67A983

 78A98D

 89A997

 9AA9A0

Harmonies

Analogous

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



7B9F00



02A948



00AE87

Triad

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



02A948



009CFF



FD5860

Complementary

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



02A948



A90263

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.



FB529E



02A948



7E86FF

Square

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



02A948



00A9F8



D468D9



E47328

Rectangle

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



02A948



00AFB2



D468D9



FF5374

Sweetspot

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



02A948



9ADBB5



63A902



466E57



EDEDED



6E6E6E

Same Dimension

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



02A948



00DB5C



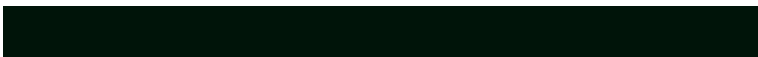
02A99B



4C544F



00943E



001409

Inverse Universe

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



A90263



DB007F



A90210



544C51



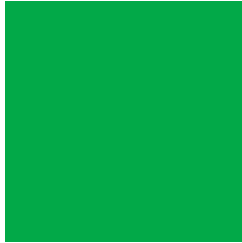
940056



14000C

Previews

White Background



This preview shows how the Hex color 02A948 looks on a white background.

Color Contrast Check

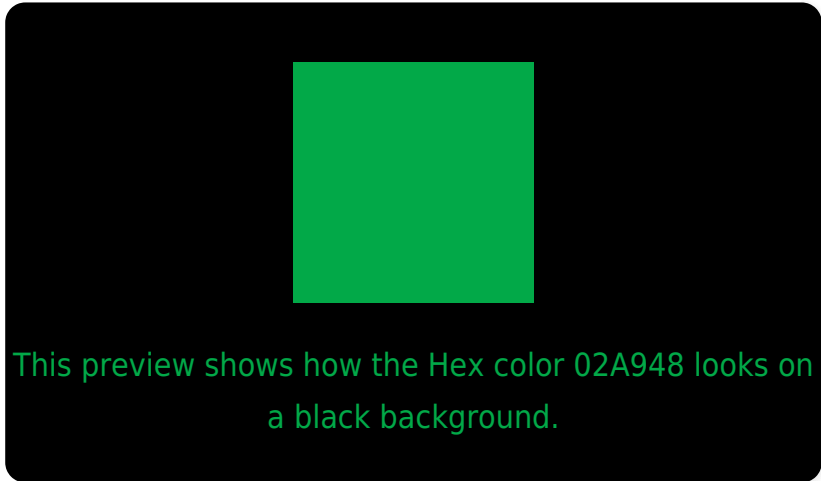
Large Text (above 18pt) WCAG AA ✓ Pass

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 02A948 Background



This preview shows how black text looks on a background with the Hex color 02A948.

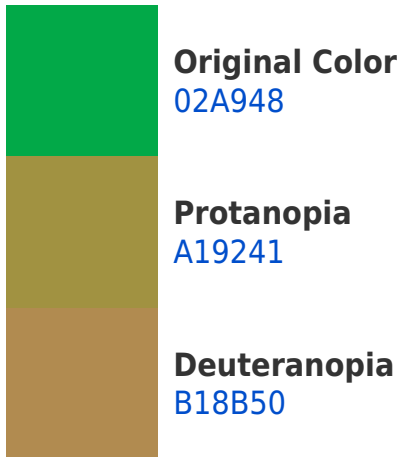


This preview shows how white text looks on a background with the Hex color 02A948.

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



Trichromacy



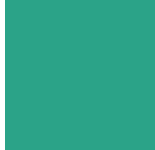
Original Color
02A948



Protanomaly
679A44



Deuteranomaly
71964D



Tritanomaly
2BA388

Monochromacy



Original Color
02A948



Achromatopsia
6C6C6C



Achromatomaly
45825F

CSS Examples

Text

The CSS property to change the color of the text to Hex 02A948 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 #02A948 looks like.

```
.text, #text, p{  
    color:#02A948  
}
```

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 #02A948 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #02A948
}
```

Border

The CSS property to change the border of an element to Hex 02A948 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
#02A948 }
```

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

```
.border{ border-color:#02A948 }
```

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

Here you see how a box with a 4 pixel #02A948 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #02A948; -webkit-box-shadow:4px 4px  
4px 4px #02A948; box-shadow:4px 4px 4px  
4px #02A948 }
```

Background

The CSS property to change the background color of an element to Hex 02A948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#02A948 }
```

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

```
.background{ background-color:#02A948 }
```

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