

# Converting Colors

Hex(00A42C)

Have a look what the booklet for  
Hex(00A42C) contains.

<b>Hex(00A42C)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

Hex(00A42C)

# Conversions

## Conversions Part 1

Format	Color
Hex	00A42C
RGB	0, 164, 44
RGB Percent	0%, 64%, 17%
CMY	1.0000, 0.3569, 0.8275
CMYK	1.00, 0.00, 0.73, 0.36
HSL	136°, 100%, 32%
HSV	136°, 100%, 64%
XYZ	13.7301, 26.7328, 6.8192
YIQ	101.2840, -59.2240, -72.0880

# Conversions

## Conversions Part 2

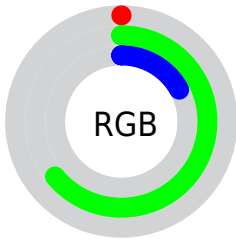
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 129, 164
Decimal	42028
CIELab	58.73, -59.75, 49.41
CIELCh	59, 77.532, 140.407
Yxy	26.7328, 0.2904, 0.5654
Android (android.graphics.Color)	4278232108 (0xFF00A42C)
YUV	101.2840, -28.2410, -88.8261
Hunter-Lab	51.7037, -43.0803, 28.3729

# Details

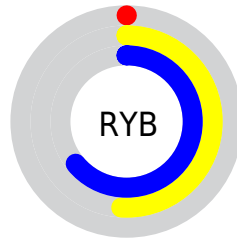
The Hex color **00A42C** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **A40078**, and the grayscale version is **666666**.

A 20% lighter version of the original color is **5CDC61**, and **006E00** is the 20% darker color. If you saturate the color by 10%, you get **00A42C**, and if you desaturate by 10%, it is **10A438**.

# Distribution



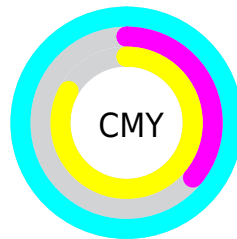
- Red (0%)
- Green (64%)
- Blue (17%)



- Red (0%)
- Yellow (51%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (73%)
- Black (36%)



- Cyan (100%)
- Magenta (36%)
- Yellow (83%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00A42C 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 00A42C by changing the saturation by 10% instead.



 00A42C

 00A42C

FFFFFF

 00890C

 5CDC61

 006E00

 7AF97C

 005500

 98FF97

 003C00

 B6FFB2

 002500


 D4FFCE

 000000

 F3FFEB

 00A42C

 10A438

 21A444

 31A450

 42A45C

 52A468

 62A474

 73A480

 83A48C

 94A498

# Harmonies

## Analogous

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



7E9800



00A42C



00AA74

# Triad

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



00A42C



009CFF



FF4262

# Complementary

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



00A42C



A40078

# 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.



FA40A6



00A42C



5185FF

# Square

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



00A42C



00A8F6



C862E5



EB6320

# Rectangle

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



00A42C



00ABA4



C862E5



FF3B79



# Sweetspot

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



00A42C



96D6A7



78A400



456B4F



EBEBEB



6B6B6B



# Same Dimension

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



00A42C



00D639



00A47E



49524C



009127



001205



# Inverse Universe

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



A40078



D6009D



A40026



52494F



91006A

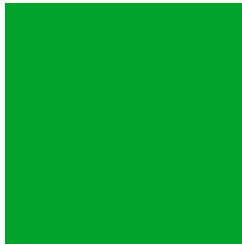


12000D



# Previews

## White Background



This preview shows how the Hex color 00A42C looks on a white background.

## Color Contrast Check

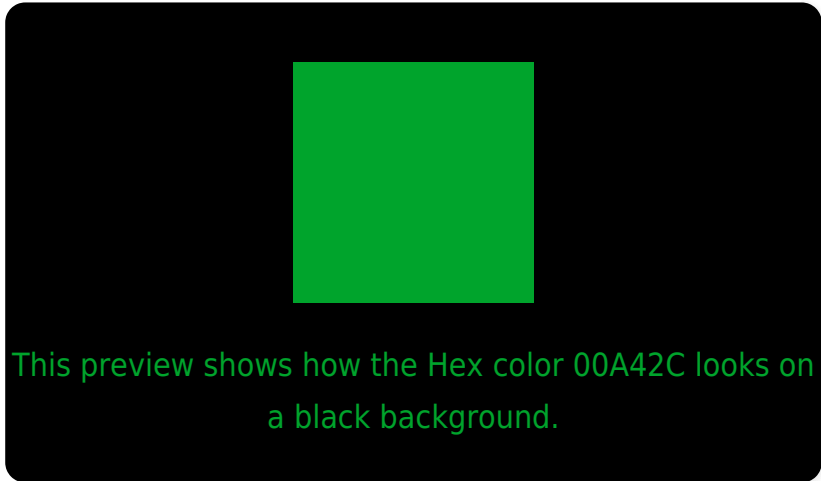
Large Text (above 18pt) WCAG AA ✓ Pass

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 00A42C Background



This preview shows how black text looks on a background with the Hex color 00A42C.



This preview shows how white text looks on a background with the Hex color 00A42C.

# 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**  
00A42C

**Protanopia**  
9E8D26

**Deuteranopia**  
AF8538



**Tritanopia**  
4399A5

# Trichromacy



**Original Color**  
00A42C



**Protanomaly**  
659528



**Deuteranomaly**  
6F9034



**Tritanomaly**  
2B9D79

# Monochromacy



**Original Color**  
00A42C



**Achromatopsia**  
656565



**Achromatomaly**  
407C50

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00A42C 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 #00A42C looks like.

```
.text, #text, p{  
    color:#00A42C  
}
```

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 #00A42C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00A42C
}
```

## Border

The CSS property to change the border of an element to Hex 00A42C 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".

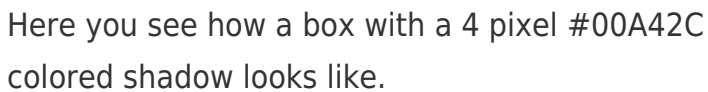
```
.border, #border, table{ border:4px solid
#00A42C }
```

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

```
.border{ border-color:#00A42C }
```

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

Here you see how a box with a 4 pixel #00A42C colored shadow looks like.

A rectangular box with a thick green border and a green shadow. The box is white with a green border and a green shadow. The shadow is a 4-pixel offset to the right and bottom of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00A42C; -webkit-box-shadow:4px 4px  
4px 4px #00A42C; box-shadow:4px 4px 4px  
4px #00A42C }
```

# Background

The CSS property to change the background color of an element to Hex 00A42C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00A42C }
```

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

```
.background{ background-color:#00A42C }
```

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