

# Converting Colors

Hex(2CA840)

Have a look what the booklet for  
Hex(2CA840) contains.

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**Color**

**Hex(2CA840)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2CA840
RGB	44, 168, 64
RGB Percent	17%, 66%, 25%
CMY	0.8275, 0.3412, 0.7490
CMYK	0.74, 0.00, 0.62, 0.34
HSL	130°, 58%, 42%
HSV	130°, 74%, 66%
XYZ	15.9668, 28.9109, 9.5893
YIQ	119.0680, -40.5200, -58.6320

# Conversions

## Conversions Part 2

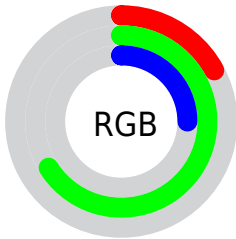
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	44, 151, 168
Decimal	2926656
CIE <sub>Lab</sub>	60.70, -54.73, 43.26
CIE <sub>LCh</sub>	61, 69.765, 141.674
Yxy	28.9109, 0.2931, 0.5308
Android (android.graphics.Color)	4281116736 (0xFF2CA840)
YUV	119.0680, -27.1485, -65.8346
Hunter-Lab	53.7689, -41.0896, 27.0642

# Details

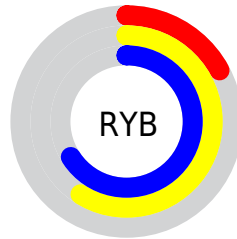
The Hex color **2CA840** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **A82C94**, and the grayscale version is **777777**.

A 20% lighter version of the original color is **6DE073**, and **007208** is the 20% darker color. If you saturate the color by 10%, you get **1BA832**, and if you desaturate by 10%, it is **3DA84E**.

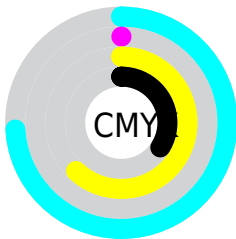
# Distribution



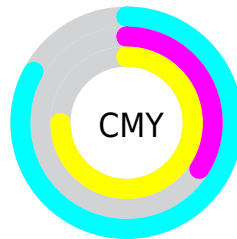
- Red (17%)
- Green (66%)
- Blue (25%)



- Red (17%)
- Yellow (59%)
- Blue (66%)



- Cyan (74%)
- Magenta (0%)
- Yellow (62%)
- Black (34%)



- Cyan (83%)
- Magenta (34%)
- Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2CA840 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 2CA840 by changing the saturation by 10% instead.



 2CA840

 2CA840

FFFFFF

 008D26


 6DE073

 007208

 8AFD8E

 005900

 A7FFA9

 004000

 C5FFC5

 002A00

 E2FFE1

 000500

FFFFFFE

 000000

 2CA840

 2CA840

 1BA832

 3DA84E

0AA824

4EA85C

00A81B

5EA86A

6FA878

80A886

91A895

A2A8A3

B2A8B1

C3A8BF

# Harmonies

## Analogous

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



859D00



2CA840



00AE7F

# Triad

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



2CA840



009FFF



FF5669

# Complementary

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



2CA840



A82C94

# 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.



F754A6



2CA840



6D89FF

# Square

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



2CA840



00AAF2



CB6CE0



E96F31

# Rectangle

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



2CA840



00AFAA



CB6CE0



FF527D



# Sweetspot

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



2CA840



ABDDBB3



95A82C



516E56



EDEDED



6E6E6E



# Same Dimension

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



2CA840



18DB38



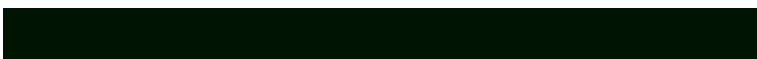
2CA87D



4C544D



009418



001403



# Inverse Universe

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



A82C94



DB18BC



A82C57



544C53



94007C



140011



# Previews

## White Background



This preview shows how the Hex color 2CA840 looks on a white background.

## Color Contrast Check

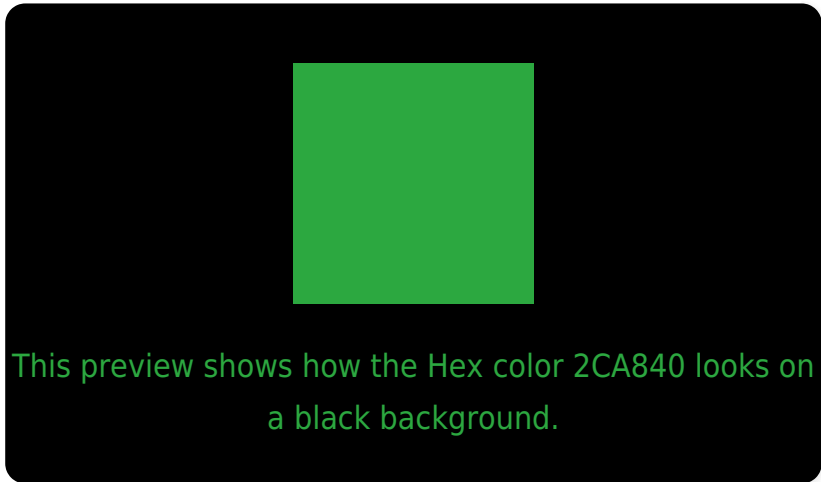
Large Text (above 18pt) WCAG AA ✓ Pass

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 2CA840 Background



This preview shows how black text looks on a background with the Hex color 2CA840.

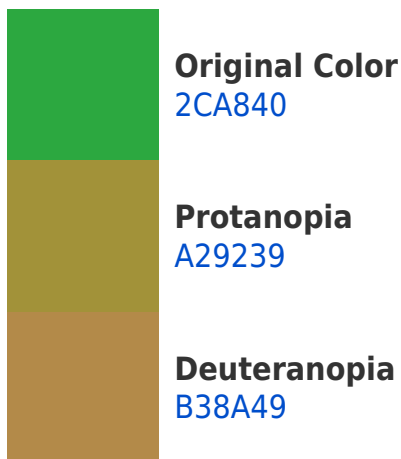


This preview shows how white text looks on a background with the Hex color 2CA840.

# 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**  
4E9DAA

# Trichromacy



**Original Color**  
2CA840



**Protanomaly**  
779A3C



**Deuteranomaly**  
829546



**Tritanomaly**  
42A183

# Monochromacy



**Original Color**  
2CA840



**Achromatopsia**  
777777



**Achromatomaly**  
5C8963

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2CA840 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 #2CA840 looks like.

```
.text, #text, p{  
    color:#2CA840  
}
```

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 #2CA840 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2CA840
}
```

## Border

The CSS property to change the border of an element to Hex 2CA840 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
#2CA840 }
```

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

```
.border{ border-color:#2CA840 }
```

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

Here you see how a box with a 4 pixel #2CA840 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2CA840; -webkit-box-shadow:4px 4px  
4px 4px #2CA840; box-shadow:4px 4px 4px  
4px #2CA840 }
```

# Background

The CSS property to change the background color of an element to Hex 2CA840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2CA840 }
```

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

```
.background{ background-color:#2CA840 }
```

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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