

# Converting Colors

Hex(3DA80C)

Have a look what the booklet for  
Hex(3DA80C) contains.

<b>Hex(3DA80C)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

Hex(3DA80C)

# Conversions

## Conversions Part 1

Format	Color
Hex	3DA80C
RGB	61, 168, 12
RGB Percent	24%, 66%, 5%
CMY	0.7608, 0.3412, 0.9529
CMYK	0.64, 0.00, 0.93, 0.34
HSL	101°, 87%, 35%
HSV	101°, 93%, 66%
XYZ	15.9935, 29.0239, 5.1071
YIQ	118.2230, -13.6960, -71.2000

# Conversions

## Conversions Part 2

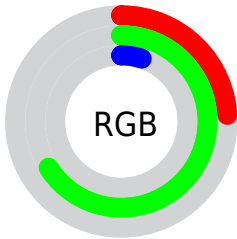
<b>Format</b>	<b>Color</b>
<b>RYB</b>	12, 168, 119
Decimal	4040716
CIELab	60.80, -55.01, 60.29
CIELCh	61, 81.613, 132.376
Yxy	29.0239, 0.3191, 0.5790
Android (android.graphics.Color)	4282230796 (0xFF3DA80C)
YUV	118.2230, -52.3679, -50.1846
Hunter-Lab	53.8738, -41.2881, 32.0912

# Details

The Hex color **3DA80C** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **770CA8**, and the grayscale version is **777777**.

A 20% lighter version of the original color is **7AE04E**, and **007300** is the 20% darker color. If you saturate the color by 10%, you get **35A800**, and if you desaturate by 10%, it is **49A81D**.

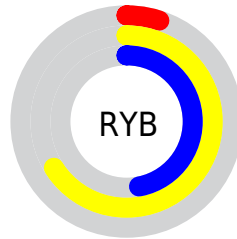
# Distribution



Red (24%)

Green (66%)

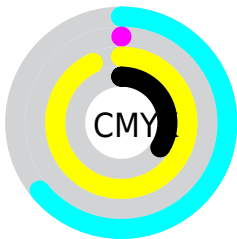
Blue (5%)



Red (5%)

Yellow (66%)

Blue (47%)

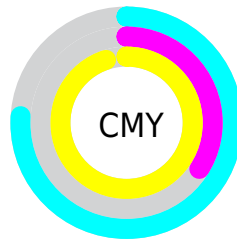


Cyan (64%)

Magenta (0%)

Yellow (93%)

Black (34%)



Cyan (76%)

Magenta (34%)

Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3DA80C 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 3DA80C by changing the saturation by 10% instead.



 3DA80C

 3DA80C

FFFFFF

 138D00

 7AE04E

 007300

 98FD69

 005900

 B5FF85

 004000

 D3FFA1

 002A00

 F1FFBD

 000500

 FFFFDA

 000000

 FFFFF7

 3DA80C

 3DA80C

■ 35A800

■ 49A81D

■ 54A82E

■ 60A83E

■ 6BA84F

■ 77A860

■ 82A871

■ 8EA882

■ 99A892

■ A5A8A3

# Harmonies

## Analogous

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



969900



3DA80C



00B064

# Triad

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



3DA80C



00A7FF



FF3A78

# Complementary

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



3DA80C



770CA8

# 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.



FC47C0



3DA80C



0092FF

# Square

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



3DA80C



00B0F3



B970FE



FF5B33

# Rectangle

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



3DA80C



00B297



B970FE



FF3890



# Sweetspot

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



3DA80C



B1DB9E



A8770C



546E48



EDEDED



6E6E6E



# Same Dimension

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



3DA80C



45DB00



0CA829



4E544C



2E9400



061400



# Inverse Universe

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



770CA8



9600DB



A80C8B



524C54



650094



0E0014



# Previews

## White Background



This preview shows how the Hex color 3DA80C looks on a white background.

## Color Contrast Check

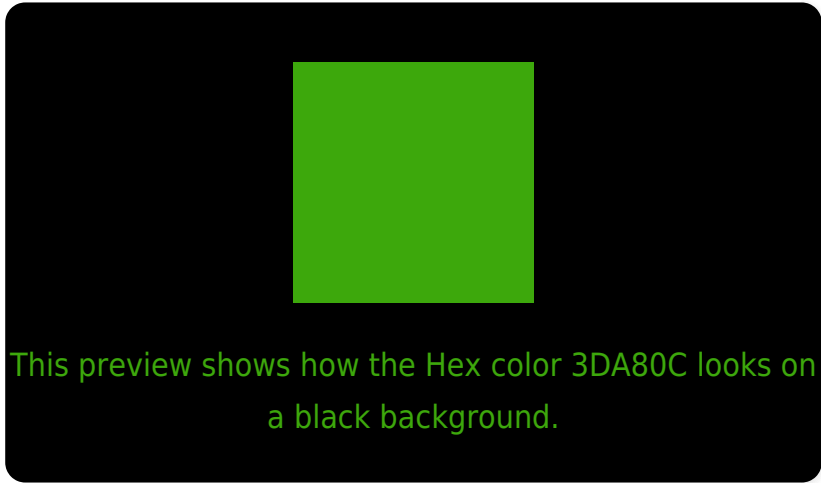
Large Text (above 18pt) WCAG AA ✓ Pass

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 3DA80C Background



This preview shows how black text looks on a background with the Hex color 3DA80C.

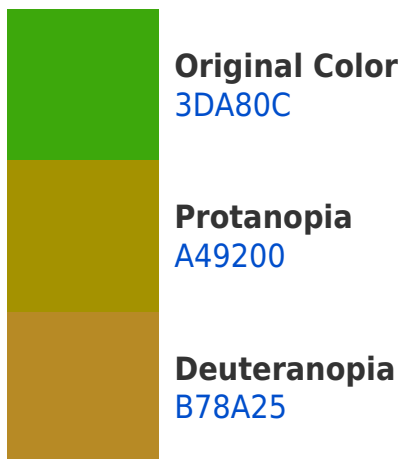


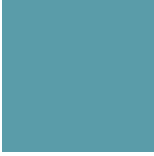
This preview shows how white text looks on a background with the Hex color 3DA80C.

# 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](#).

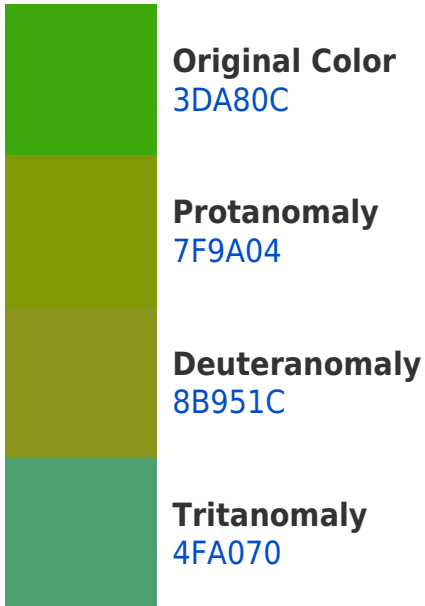
## Dichromacy





**Tritanopia**  
5A9CA9

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3DA80C 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 #3DA80C looks like.

```
.text, #text, p{  
    color:#3DA80C  
}
```

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 #3DA80C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3DA80C
}
```

## Border

The CSS property to change the border of an element to Hex 3DA80C 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
#3DA80C }
```

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

```
.border{ border-color:#3DA80C }
```

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

Here you see how a box with a 4 pixel #3DA80C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3DA80C; -webkit-box-shadow:4px 4px  
4px 4px #3DA80C; box-shadow:4px 4px 4px  
4px #3DA80C }
```

# Background

The CSS property to change the background color of an element to Hex 3DA80C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3DA80C }
```

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

```
.background{ background-color:#3DA80C }
```

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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