

# Converting Colors

Hex(7CA342)

Have a look what the booklet for  
Hex(7CA342) contains.

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**Color**

**Hex(7CA342)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7CA342
RGB	124, 163, 66
RGB Percent	49%, 64%, 26%
CMY	0.5137, 0.3608, 0.7412
CMYK	0.24, 0.00, 0.60, 0.36
HSL	84°, 42%, 45%
HSV	84°, 60%, 64%
XYZ	22.3927, 30.8728, 9.9331
YIQ	140.2810, 7.8930, -38.4350

# Conversions

## Conversions Part 2

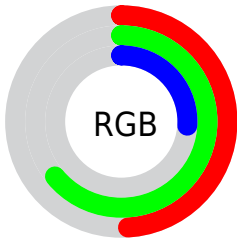
<b>Format</b>	<b>Color</b>
<b>RYB</b>	66, 163, 105
Decimal	8168258
CIELab	62.40, -29.12, 45.14
CIELCh	62, 53.717, 122.827
Yxy	30.8728, 0.3543, 0.4885
Android (android.graphics.Color)	4286358338 (0xFF7CA342)
YUV	140.2810, -36.6205, -14.2784
Hunter-Lab	55.5633, -25.2980, 28.2950

# Details

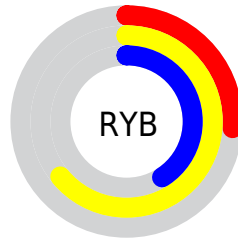
The Hex color **7CA342** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **6942A3**, and the grayscale version is **8D8D8D**.

A 20% lighter version of the original color is **B3DA75**, and **486F0B** is the 20% darker color. If you saturate the color by 10%, you get **75A332**, and if you desaturate by 10%, it is **83A352**.

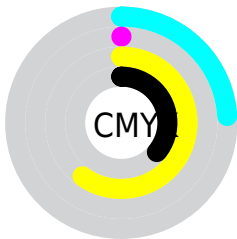
# Distribution



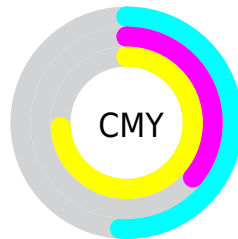
- Red (49%)
- Green (64%)
- Blue (26%)



- Red (26%)
- Yellow (64%)
- Blue (41%)



- Cyan (24%)
- Magenta (0%)
- Yellow (60%)
- Black (36%)



- Cyan (51%)
- Magenta (36%)
- Yellow (74%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7CA342 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 7CA342 by changing the saturation by 10% instead.



 7CA342

 7CA342

FFFFFF

 628928

 B3DA75

 486F0B

 CFF790

 2E5600

 ECFFAB

 143F00

 FFFFC7

 002900

 FFFFE4

 001000

 000000

 7CA342

 7CA342

 75A332

 83A352

■ 6FA321

■ 89A363

■ 68A311

■ 90A373

■ 62A301

■ 96A383

■ 61A300

■ 9DA394

■ A3A3A4

■ AAA3B4

■ B0A3C4

■ B7A3D5

# Harmonies

## Analogous

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



AD9631



7CA342



35AB69

# Triad

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



7CA342



00A7EB



ED6C94

# Complementary

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



7CA342



6942A3

# 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.



D575C3



7CA342



3A9BF6

# Square

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



7CA342



00ADC9



9F88E7



EB7366

# Rectangle

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



7CA342



00AE89



9F88E7



E86DA4



# Sweetspot

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



7CA342



C4D4AE



A36942



626B54



EBEBEB



6B6B6B



# Same Dimension

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



7CA342



97D43D



4CA342



4E5249



579100



0B1200



# Inverse Universe

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



6942A3



7A3DD4



9942A3



4D4952



3A0091



070012



# Previews

## White Background



This preview shows how the Hex color 7CA342 looks on a white background.

## Color Contrast Check

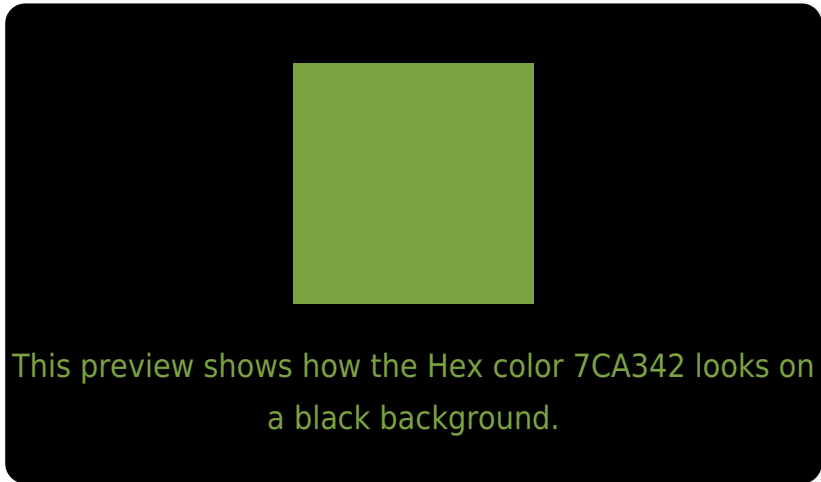
Large Text (above 18pt) WCAG AA × Fail

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 ✓ Pass

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



## Hex 7CA342 Background



This preview shows how black text looks on a background with the Hex color 7CA342.



This preview shows how white text looks on a background with the Hex color 7CA342.

# 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**  
7CA342

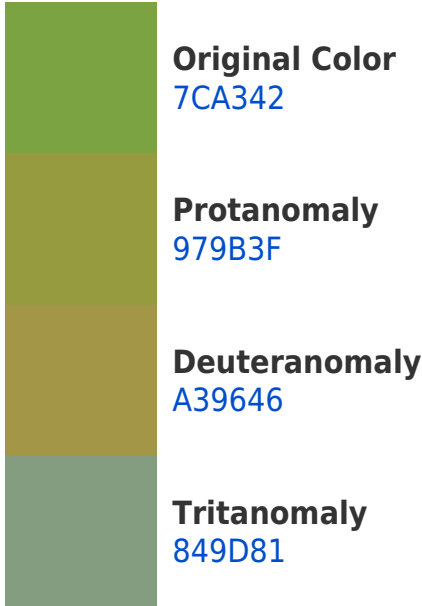
**Protanopia**  
A7973E

**Deuteranopia**  
BA8F48



**Tritanopia**  
8999A5

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7CA342 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 #7CA342 looks like.

```
.text, #text, p{  
    color:#7CA342  
}
```

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 #7CA342 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7CA342
}
```

## Border

The CSS property to change the border of an element to Hex 7CA342 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
#7CA342 }
```

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

```
.border{ border-color:#7CA342 }
```

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

Here you see how a box with a 4 pixel #7CA342 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7CA342; -webkit-box-shadow:4px 4px  
4px 4px #7CA342; box-shadow:4px 4px 4px  
4px #7CA342 }
```

# Background

The CSS property to change the background color of an element to Hex 7CA342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7CA342 }
```

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

```
.background{ background-color:#7CA342 }
```

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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