

# Converting Colors

Hex(77A613)

Have a look what the booklet for  
Hex(77A613) contains.

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**Color**

**Hex(77A613)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | 77A613                      |
| RGB         | 119, 166, 19                |
| RGB Percent | 47%, 65%, 7%                |
| CMY         | 0.5333, 0.3490, 0.9255      |
| CMYK        | 0.28, 0.00, 0.89, 0.35      |
| HSL         | 79°, 79%, 36%               |
| HSV         | 79°, 89%, 65%               |
| XYZ         | 21.3615, 31.2414, 5.5204    |
| YIQ         | 135.1890, 19.1750, -55.6810 |

# Conversions

## Conversions Part 2

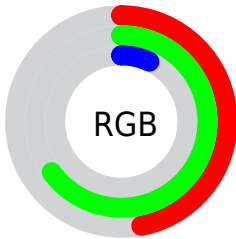
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">19, 166, 66</a>                                  |
| Decimal                             | <a href="#">7841299</a>                                      |
| CIELab                              | <a href="#">62.71, -35.28, 61.69</a>                         |
| CIELCh                              | <a href="#">63, 71.059, 119.763</a>                          |
| Yxy                                 | <a href="#">31.2414, 0.3675, 0.5375</a>                      |
| Android<br>(android.graphics.Color) | <a href="#">4286031379</a><br>( <a href="#">0xFF77A613</a> ) |
| YUV                                 | <a href="#">135.1890, -57.2812, -14.1978</a>                 |
| Hunter-Lab                          | <a href="#">55.8940, -29.5956, 33.2700</a>                   |

# Details

The Hex color **77A613** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **4213A6**, and the grayscale version is **888888**.

A 20% lighter version of the original color is **AFDD51**, and **407200** is the 20% darker color. If you saturate the color by 10%, you get **72A602**, and if you desaturate by 10%, it is **7CA624**.

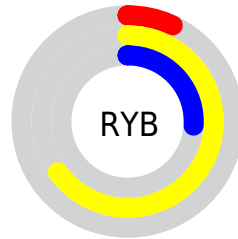
# Distribution



Red (47%)

Green (65%)

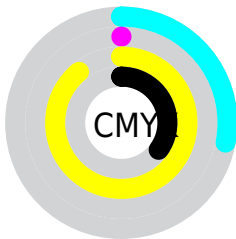
Blue (7%)



Red (7%)

Yellow (65%)

Blue (26%)

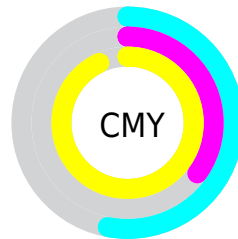


Cyan (28%)

Magenta (0%)

Yellow (89%)

Black (35%)



Cyan (53%)

Magenta (35%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 77A613 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 77A613 by changing the saturation by 10% instead.



77A613

77A613

FFFFFF

5B8B00

AFDD51

407200

CCFA6D

245900

E9FF88

004100

FFFFA4

002B00

FFFFC1

001100

FFFFDD

000000

FFFFFFB

77A613

77A613

 72A602

 7CA624

 71A600

 82A634

 87A645

 8CA655

 92A666

 97A677

 9CA687

 A1A698

 A7A6A8

# Harmonies

## Analogous

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



B69500



77A613



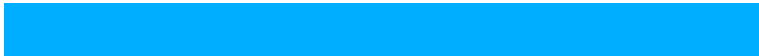
00B054

# Triad

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



77A613



00AEFF



FF559B

# Complementary

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



77A613



4213A6

# 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.



E269D8



77A613



009FFF

# Square

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



77A613



00B4D5



9387FF



FF605D

# Rectangle

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



77A613



00B37F



9387FF



FD59B0



# Sweetspot

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



77A613



C6D99E



A64213



626E4B



EDEDED



6E6E6E



# Same Dimension

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



77A613



93D900



2EA613



51544C



659400



0E1400



# Inverse Universe

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



4213A6



4500D9



8B13A6



4E4C54



2F0094



070014



# Previews

## White Background



This preview shows how the Hex color 77A613 looks on a white background.

## Color Contrast Check

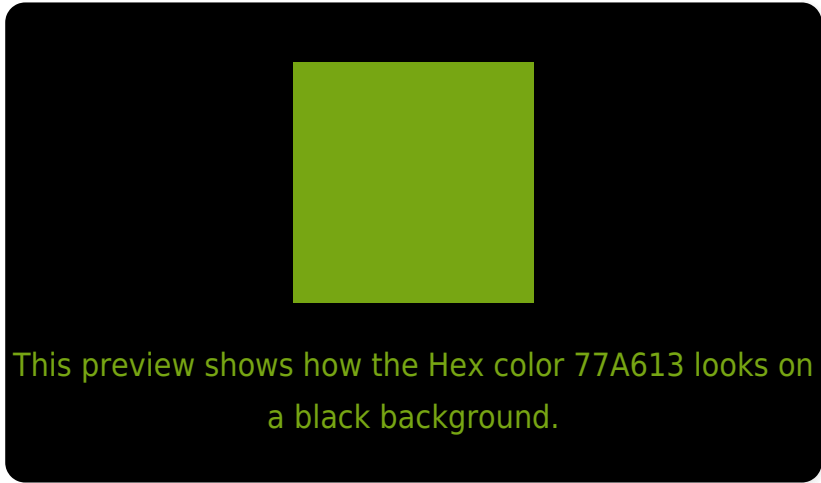
Large Text (above 18pt) WCAG AA × Fail

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 77A613 Background



This preview shows how black text looks on a background with the Hex color 77A613.



This preview shows how white text looks on a background with the Hex color 77A613.

# 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**  
77A613

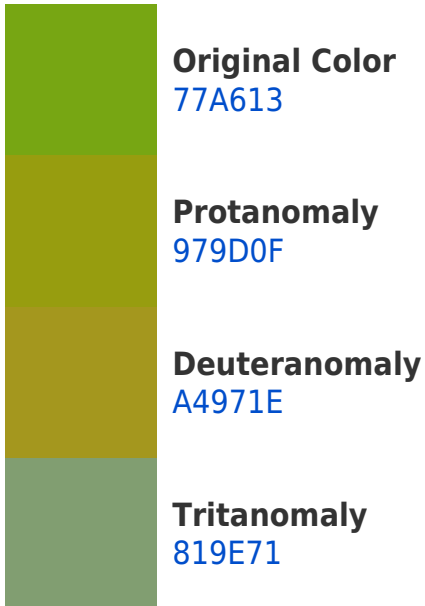
**Protanopia**  
AA980D

**Deuteranopia**  
BE8F24



**Tritanopia**  
869AA7

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 77A613 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 #77A613 looks like.

```
.text, #text, p{  
    color:#77A613  
}
```

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 #77A613 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #77A613
}
```

## Border

The CSS property to change the border of an element to Hex 77A613 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
#77A613 }
```

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

```
.border{ border-color:#77A613 }
```

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

Here you see how a box with a 4 pixel #77A613 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #77A613; -webkit-box-shadow:4px 4px  
4px 4px #77A613; box-shadow:4px 4px 4px  
4px #77A613 }
```

# Background

The CSS property to change the background color of an element to Hex 77A613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#77A613 }
```

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

```
.background{ background-color:#77A613 }
```

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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