

# Converting Colors

Hex(77A00B)

Have a look what the booklet for  
Hex(77A00B) contains.

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**Color**

**Hex(77A00B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	77A00B
RGB	119, 160, 11
RGB Percent	47%, 63%, 4%
CMY	0.5333, 0.3725, 0.9569
CMYK	0.26, 0.00, 0.93, 0.37
HSL	77°, 87%, 34%
HSV	77°, 93%, 63%
XYZ	20.2390, 29.0877, 4.8644
YIQ	130.7550, 23.3930, -55.0310

# Conversions

## Conversions Part 2

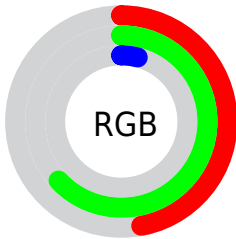
<b>Format</b>	<b>Color</b>
<b>RYB</b>	11, 160, 52
Decimal	7839755
CIELab	60.86, -32.71, 61.55
CIElCh	61, 69.703, 117.991
Yxy	29.0877, 0.3735, 0.5368
Android (android.graphics.Color)	4286029835 (0xFF77A00B)
YUV	130.7550, -59.0392, -10.3091
Hunter-Lab	53.9330, -27.3987, 32.4056

# Details

The Hex color **77A00B** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **340BA0**, and the grayscale version is **838383**.

A 20% lighter version of the original color is **AFD74D**, and **406C00** is the 20% darker color. If you saturate the color by 10%, you get **74A000**, and if you desaturate by 10%, it is **7BA01B**.

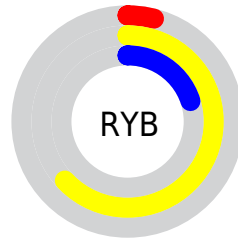
# Distribution



Red (47%)

Green (63%)

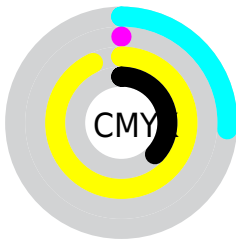
Blue (4%)



Red (4%)

Yellow (63%)

Blue (20%)

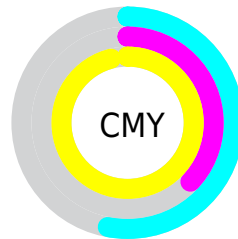


Cyan (26%)

Magenta (0%)

Yellow (93%)

Black (37%)



Cyan (53%)

Magenta (37%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 77A00B 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 77A00B by changing the saturation by 10% instead.





77A00B



77A00B

FFFFFF



5C8600



AFD74D



406C00



CCF368



255400



E9FF84



013C00



FFFFA0



002700



FFFFBC



000600



FFFFD9



000000



FFFFF6



77A00B



77A00B

■ 74A000

■ 7BA01B

■ 80A02B

■ 84A03B

■ 89A04B

■ 8DA05B

■ 91A06B

■ 96A07B

■ 9AA08B

■ 9FA09B

# Harmonies

## Analogous

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



B38F00



77A00B



00AA4D

# Triad

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



77A00B



00A9FB



FC529A

# Complementary

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



77A00B



340BA0

# 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.



D867D5



77A00B



009CFF

# Square

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



77A00B



00AFCB



8884FF



FD5B5D

# Rectangle

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



77A00B



00AE77



8884FF



F456AE



# Sweetspot

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



77A00B



C1D197



A0330B



5F6945



E8E8E8



696969



# Same Dimension

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



77A00B



98D100



2EA00B



4D4F47



688F00



0B0F00



# Inverse Universe

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



340BA0



3A00D1



7D0BA0



49474F



27008F



04000F



# Previews

## White Background



This preview shows how the Hex color 77A00B looks on a white background.

## Color Contrast Check

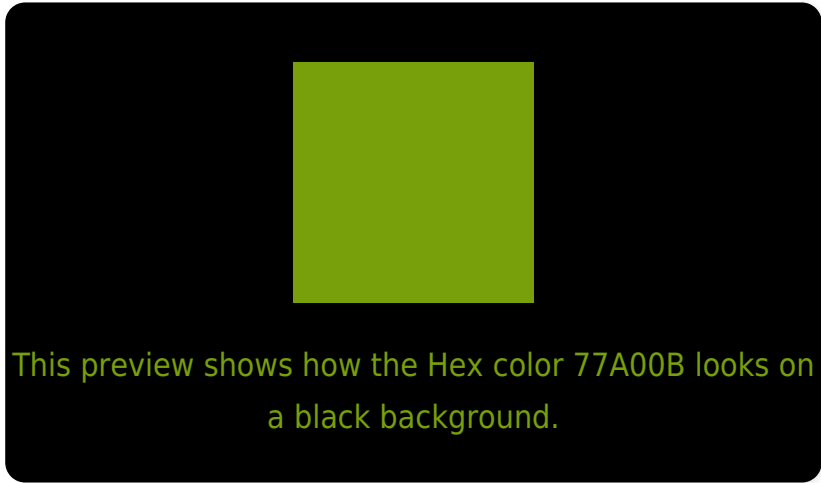
Large Text (above 18pt) WCAG AA ✓ Pass

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 77A00B Background



This preview shows how black text looks on a background with the Hex color 77A00B.



This preview shows how white text looks on a background with the Hex color 77A00B.

# 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**  
77A00B

**Protanopia**  
A59300

**Deuteranopia**  
B88B1F



**Tritanopia**  
8595A1

# Trichromacy



**Original Color**  
77A00B

**Protanomaly**  
949804

**Deuteranomaly**  
A09318

**Tritanomaly**  
80996A

# Monochromacy



**Original Color**  
77A00B

**Achromatopsia**  
838383

**Achromatomaly**  
7F8E57

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 77A00B 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 #77A00B looks like.

```
.text, #text, p{  
    color:#77A00B  
}
```

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 #77A00B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #77A00B
}
```

## Border

The CSS property to change the border of an element to Hex 77A00B 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
#77A00B }
```

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

```
.border{ border-color:#77A00B }
```

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

Here you see how a box with a 4 pixel #77A00B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #77A00B; -webkit-box-shadow:4px 4px  
4px 4px #77A00B; box-shadow:4px 4px 4px  
4px #77A00B }
```

# Background

The CSS property to change the background color of an element to Hex 77A00B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#77A00B }
```

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

```
.background{ background-color:#77A00B }
```

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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