

# Converting Colors

Hex(76CA40)

Have a look what the booklet for  
Hex(76CA40) contains.

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**Color**

**Hex(76CA40)**

# Conversions

## Conversions Part 1

Format	Color
Hex	76CA40
RGB	118, 202, 64
RGB Percent	46%, 79%, 25%
CMY	0.5373, 0.2078, 0.7490
CMYK	0.42, 0.00, 0.68, 0.21
HSL	97°, 57%, 52%
HSV	97°, 68%, 79%
XYZ	29.5172, 46.4628, 12.2630
YIQ	161.1520, -5.7660, -60.7260

# Conversions

## Conversions Part 2

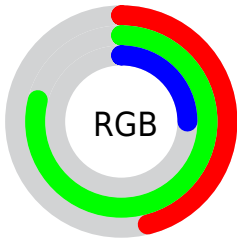
Format	Color
<b>RYB</b>	64, 202, 148
Decimal	7785024
CIELab	73.84, -48.67, 58.32
CIElCh	74, 75.958, 129.844
Yxy	46.4628, 0.3345, 0.5265
Android (android.graphics.Color)	4285975104 (0xFF76CA40)
YUV	161.1520, -47.8959, -37.8443
Hunter-Lab	68.1636, -41.9898, 37.0479

# Details

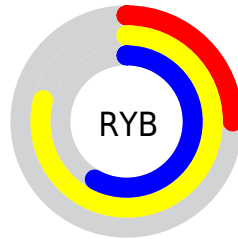
The Hex color **76CA40** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **9440CA**, and the grayscale version is **A2A2A2**.

A 20% lighter version of the original color is **AFFF77**, and **3B9300** is the 20% darker color. If you saturate the color by 10%, you get **6ACA2C**, and if you desaturate by 10%, it is **82CA54**.

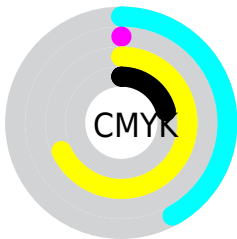
# Distribution



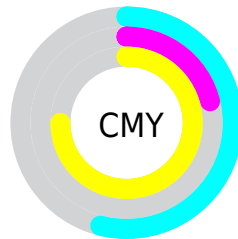
- Red (46%)
- Green (79%)
- Blue (25%)



- Red (25%)
- Yellow (79%)
- Blue (58%)



- Cyan (42%)
- Magenta (0%)
- Yellow (68%)
- Black (21%)



- Cyan (54%)
- Magenta (21%)
- Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 76CA40 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 76CA40 by changing the saturation by 10% instead.



 76CA40

 76CA40

FFFFFF

 59AE22

 AFFF77

 3B9300

 CDFF92

 177900

 EAFFAE

 005F00

 FFFFCA

 004700

 FFFF77

 003000

 001600

 000000

 76CA40

 76CA40

 6ACA2C

 82CA54

 5DCA18

 8FCA68

 51CA03

 9BCA7D

 4FCA00

 A7CA91

 B3CAA5

 C0CAB9

 CCCACD

 D8CAE2

 E5CAF6

# Harmonies

## Analogous

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



C3BA04



76CA40



00D383

# Triad

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



76CA40



00CAFF



FF70A1

# Complementary

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



76CA40



9440CA

# 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.



FF7AE7



76CA40



3AB6FF

# Square

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



76CA40



00D4FF



D698FF



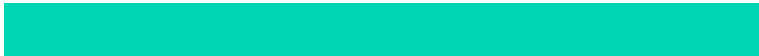
FF835F

# Rectangle

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



76CA40



00D6B3



D698FF



FF6FB9

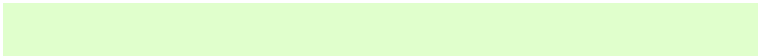


# Sweetspot

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



76CA40



E0FFCC



CA9340



6D8061



000000



808080



# Same Dimension

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



76CA40



80FF2E



40CA4E



60665C



41A600



0F2600



# Inverse Universe

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



9440CA



AD2EFF



CA40BC



625C66



6500A6



170026



# Previews

## White Background



This preview shows how the Hex color 76CA40 looks on a white background.

## Color Contrast Check

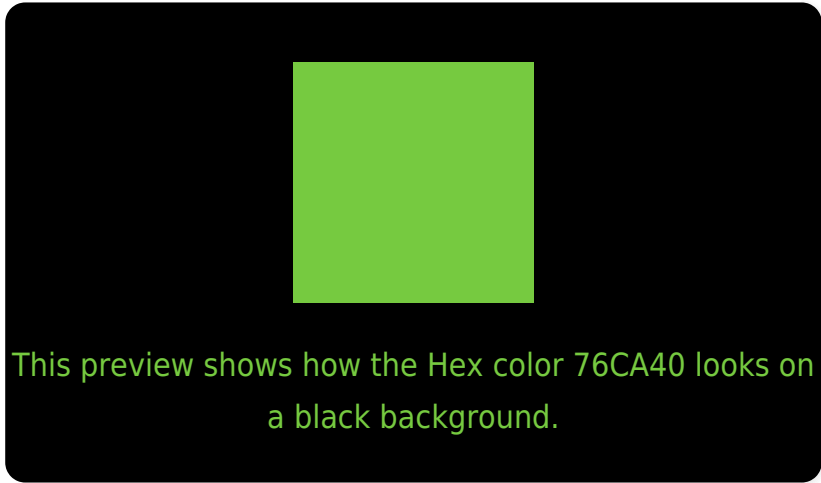
Large Text (above 18pt) WCAG AA × Fail

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 76CA40 Background



This preview shows how black text looks on a background with the Hex color 76CA40.

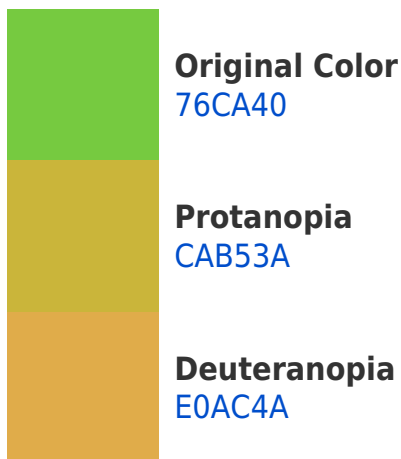


This preview shows how white text looks on a background with the Hex color 76CA40.

# 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





# Trichromacy



**Original Color**  
76CA40



**Protanomaly**  
ABBD3C



**Deuteranomaly**  
B9B746



**Tritanomaly**  
84C299

# Monochromacy



**Original Color**  
76CA40



**Achromatopsia**  
A1A1A1



**Achromatomaly**  
91B07E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 76CA40 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 #76CA40 looks like.

```
.text, #text, p{  
    color:#76CA40  
}
```

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 #76CA40 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #76CA40
}
```

## Border

The CSS property to change the border of an element to Hex 76CA40 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
#76CA40 }
```

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

```
.border{ border-color:#76CA40 }
```

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

Here you see how a box with a 4 pixel #76CA40 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #76CA40; -webkit-box-shadow:4px 4px  
4px 4px #76CA40; box-shadow:4px 4px 4px  
4px #76CA40 }
```

# Background

The CSS property to change the background color of an element to Hex 76CA40 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#76CA40 }
```

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

```
.background{ background-color:#76CA40 }
```

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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