

# Converting Colors

Hex(76D64A)

Have a look what the booklet for  
Hex(76D64A) contains.

<b>Hex(76D64A)</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(76D64A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	76D64A
RGB	118, 214, 74
RGB Percent	46%, 84%, 29%
CMY	0.5373, 0.1608, 0.7098
CMYK	0.45, 0.00, 0.65, 0.16
HSL	101°, 63%, 56%
HSV	101°, 65%, 84%
XYZ	32.7538, 52.4391, 14.8740
YIQ	169.3360, -12.2760, -63.8920

# Conversions

## Conversions Part 2

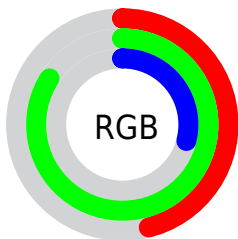
<b>Format</b>	<b>Color</b>
<b>RYB</b>	74, 214, 170
Decimal	7788106
CIELab	77.54, -52.66, 58.28
CIELCh	78, 78.542, 132.099
Yxy	52.4391, 0.3273, 0.5240
Android (android.graphics.Color)	4285978186 (0xFF76D64A)
YUV	169.3360, -47.0006, -45.0217
Hunter-Lab	72.4148, -45.9890, 38.5122

# Details

The Hex color **76D64A** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **AA4AD6**, and the grayscale version is **AAAAAA**.

A 20% lighter version of the original color is **B0FF81**, and **399E07** is the 20% darker color. If you saturate the color by 10%, you get **67D635**, and if you desaturate by 10%, it is **85D65F**.

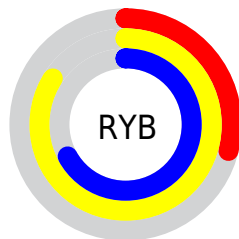
# Distribution



Red (46%)

Green (84%)

Blue (29%)



Red (29%)

Yellow (84%)

Blue (67%)

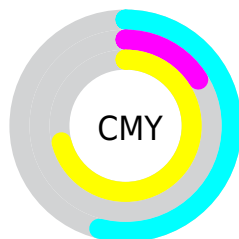


Cyan (45%)

Magenta (0%)

Yellow (65%)

Black (16%)



Cyan (54%)

Magenta (16%)

Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 76D64A 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 76D64A by changing the saturation by 10% instead.



 76D64A

 76D64A

FFFFFF

 59BA2E

 B0FF81

 399E07

 CEFF9C

 108400

 EBFFB8

 006A00

 FFFFD5

 005000

 FFFFF2

 003800

 002200

 000000

 76D64A

 76D64A

 67D635

 85D65F

 59D61F

 93D675

 4AD60A

 A2D68A

 43D600

 B1D6A0

 BFD6B5

 CED6CA

 DDD6E0

 EBD6F5

 FAD6FF

# Harmonies

## Analogous

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



C8C50E



76D64A



00DF90

# Triad

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



76D64A



00D4FF



FF77A5

# Complementary

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



76D64A



AA4AD6

# 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.



FF80EE



76D64A



59BEFF

# Square

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



76D64A



00DFFF



E89FFF



FF8D61

# Rectangle

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



76D64A



00E1C3



E89FFF



FF76BE

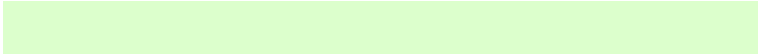


# Sweetspot

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



76D64A



DCFFCC



D6AA4A



6B8061



000000



808080



# Same Dimension

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



76D64A



75FF36



4AD664



646B60



36AB00



0E2B00



# Inverse Universe

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



AA4AD6



C036FF



D64ABC



68606B



7500AB



1E002B



# Previews

## White Background



This preview shows how the Hex color 76D64A looks on a white background.

## Color Contrast Check

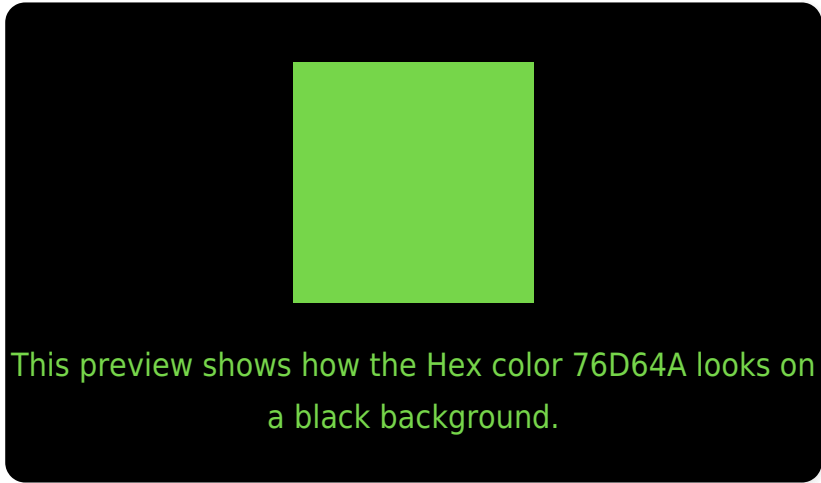
Large Text (above 18pt) WCAG AA × Fail

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 76D64A Background



This preview shows how black text looks on a background with the Hex color 76D64A.

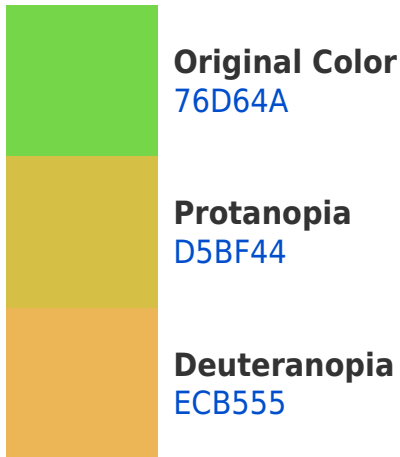


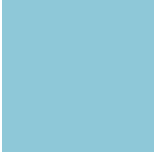
This preview shows how white text looks on a background with the Hex color 76D64A.

# 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](#).

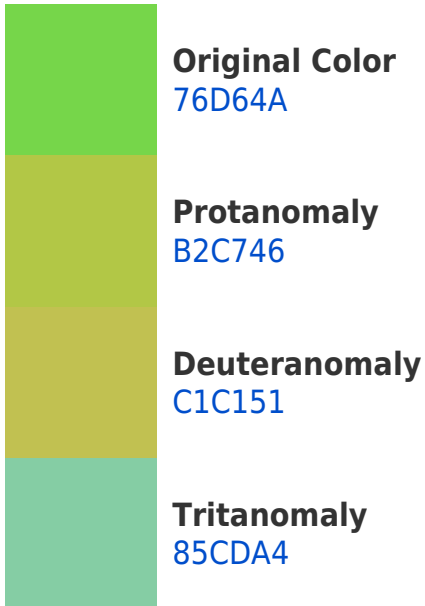
## Dichromacy



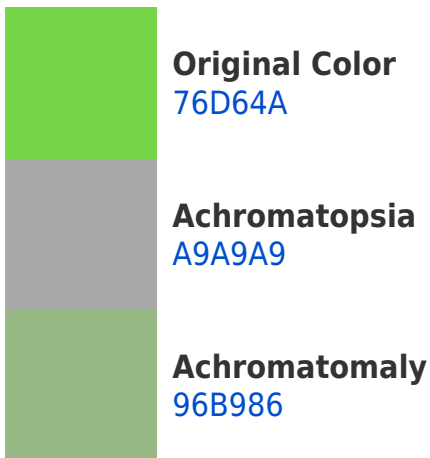


**Tritanopia**  
8EC8D8

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 76D64A 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 #76D64A looks like.

```
.text, #text, p{  
    color:#76D64A  
}
```

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 #76D64A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #76D64A
}
```

## Border

The CSS property to change the border of an element to Hex 76D64A 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
#76D64A }
```

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

```
.border{ border-color:#76D64A }
```

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

Here you see how a box with a 4 pixel #76D64A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #76D64A; -webkit-box-shadow:4px 4px  
4px 4px #76D64A; box-shadow:4px 4px 4px  
4px #76D64A }
```

# Background

The CSS property to change the background color of an element to Hex 76D64A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#76D64A }
```

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

```
.background{ background-color:#76D64A }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor