

# Converting Colors

Hex(75DE0E)

Have a look what the booklet for  
Hex(75DE0E) contains.

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**Color**

**Hex(75DE0E)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	75DE0E
RGB	117, 222, 14
RGB Percent	46%, 87%, 5%
CMY	0.5412, 0.1294, 0.9451
CMYK	0.47, 0.00, 0.94, 0.13
HSL	90°, 88%, 46%
HSV	90°, 94%, 87%
XYZ	33.5367, 56.0562, 9.4678
YIQ	166.8930, 4.1880, -86.9480

# Conversions

## Conversions Part 2

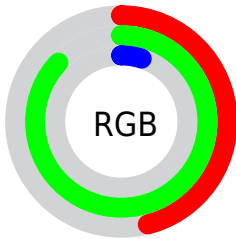
Format	Color
<a href="#">RYB</a>	<a href="#">14, 222, 119</a>
Decimal	<a href="#">7724558</a>
CIELab	<a href="#">79.65, -58.95, 76.30</a>
CIELCh	<a href="#">80, 96.421, 127.689</a>
Yxy	<a href="#">56.0562, 0.3385, 0.5659</a>
Android (android.graphics.Color)	<a href="#">4285914638 (0xFF75DE0E)</a>
YUV	<a href="#">166.8930, -75.3762, -43.7562</a>
Hunter-Lab	<a href="#">74.8707, -51.0685, 44.9119</a>

# Details

The Hex color **75DE0E** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **770EDE**, and the grayscale version is **A8A8A8**.

A 20% lighter version of the original color is **B2FF5A**, and **33A600** is the 20% darker color. If you saturate the color by 10%, you get **6EDE00**, and if you desaturate by 10%, it is **80DE24**.

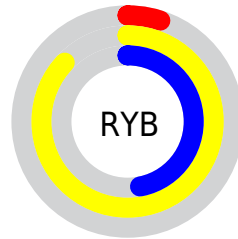
# Distribution



Red (46%)

Green (87%)

Blue (5%)



Red (5%)

Yellow (87%)

Blue (47%)

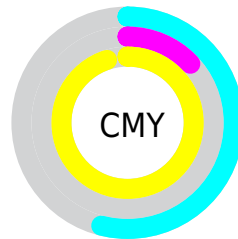


Cyan (47%)

Magenta (0%)

Yellow (94%)

Black (13%)



Cyan (54%)

Magenta (13%)

Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 75DE0E 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 75DE0E by changing the saturation by 10% instead.



 75DE0E

 75DE0E

FFFFFF

 56C200

 B2FF5A

 33A600

 D0FF77

 008B00

 EEFF94

 007000

 FFFFB2

 005700

 FFFFCF

 003E00

 FFFFED

 002700

 000000

 75DE0E

 75DE0E

 6EDE00

 80DE24

 8BDE3A

 97DE51

 A2DE67

 ADDE7D

 B8DE93

 C3DEA9

 CFDEC0

 DADED6

# Harmonies

## Analogous

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



D8C900



75DE0E



00E97D

# Triad

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



75DE0E



00E1FF



FF5CB2

# Complementary

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



75DE0E



770EDE

# 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.



FF72FF



75DE0E



00C9FF

# Square

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



75DE0E



00ECFF



E2A2FF



FF7B5C

# Rectangle

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



75DE0E



00ECBB



E2A2FF



FF5DD0

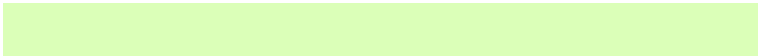


# Sweetspot

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



75DE0E



DBFFB8



DE760E



6A8054



000000



808080



# Same Dimension

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



75DE0E



7EFF00



0EDE0E



6B7065



57B000



183000



# Inverse Universe

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



770EDE



8100FF



DE0EDE



6B6570



5900B0

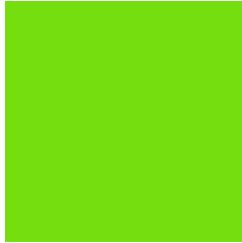


180030



# Previews

## White Background



This preview shows how the Hex color 75DE0E looks on a white background.

## Color Contrast Check

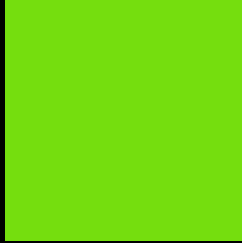
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 75DE0E looks on a 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 75DE0E Background



This preview shows how black text looks on a background with the Hex color 75DE0E.

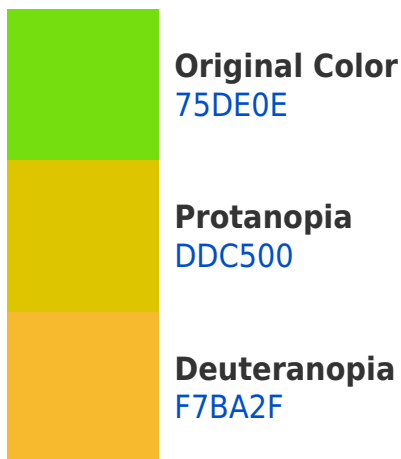


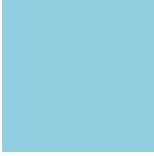
This preview shows how white text looks on a background with the Hex color 75DE0E.

# 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](#).

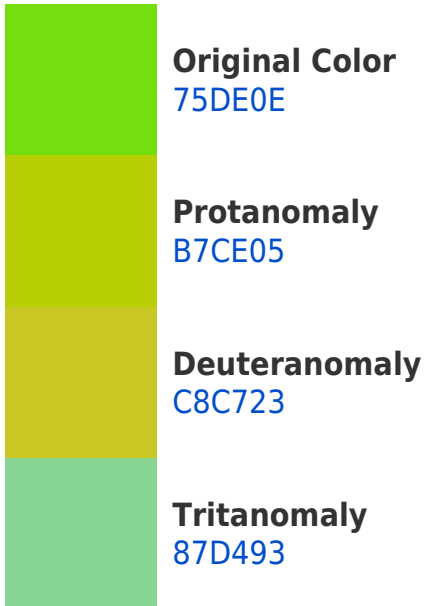
## Dichromacy



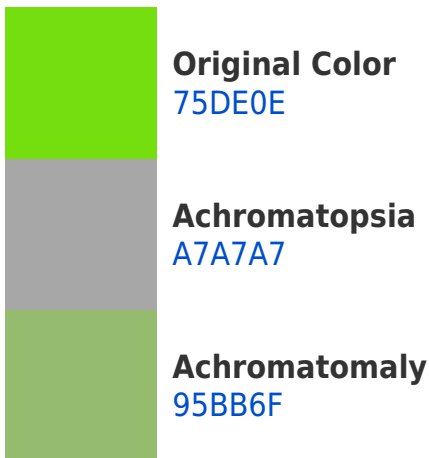


**Tritanopia**  
91CEDF

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 75DE0E 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 #75DE0E looks like.

```
.text, #text, p{  
    color:#75DE0E  
}
```

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 #75DE0E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #75DE0E
}
```

## Border

The CSS property to change the border of an element to Hex 75DE0E 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
#75DE0E }
```

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

```
.border{ border-color:#75DE0E }
```

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

Here you see how a box with a 4 pixel #75DE0E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #75DE0E; -webkit-box-shadow:4px 4px  
4px 4px #75DE0E; box-shadow:4px 4px 4px  
4px #75DE0E }
```

# Background

The CSS property to change the background color of an element to Hex 75DE0E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#75DE0E }
```

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

```
.background{ background-color:#75DE0E }
```

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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