

# Converting Colors

Hex(77BE47)

Have a look what the booklet for  
Hex(77BE47) contains.

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**Color**

**Hex(77BE47)**

# Conversions

## Conversions Part 1

Format	Color
Hex	77BE47
RGB	119, 190, 71
RGB Percent	47%, 75%, 28%
CMY	0.5333, 0.2549, 0.7216
CMYK	0.37, 0.00, 0.63, 0.25
HSL	96°, 48%, 51%
HSV	96°, 63%, 75%
XYZ	27.1585, 41.2038, 12.4830
YIQ	155.2050, -4.1170, -52.0610

# Conversions

## Conversions Part 2

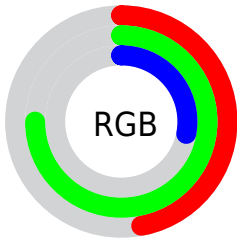
<b>Format</b>	<b>Color</b>
<b>RYB</b>	71, 190, 142
Decimal	7847495
CIELab	70.32, -42.74, 51.67
CIELCh	70, 67.051, 129.596
Yxy	41.2038, 0.3359, 0.5097
Android (android.graphics.Color)	4286037575 (0xFF77BE47)
YUV	155.2050, -41.5131, -31.7518
Hunter-Lab	64.1902, -36.8104, 33.4031

# Details

The Hex color **77BE47** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **8E47BE**, and the grayscale version is **9C9C9C**.

A 20% lighter version of the original color is **AFF77C**, and **3F880B** is the 20% darker color. If you saturate the color by 10%, you get **6CBE34**, and if you desaturate by 10%, it is **82BE5A**.

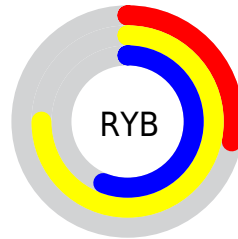
# Distribution



Red (47%)

Green (75%)

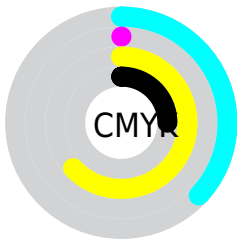
Blue (28%)



Red (28%)

Yellow (75%)

Blue (56%)

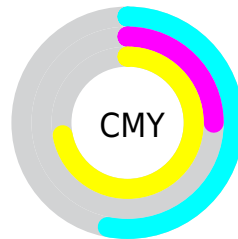


Cyan (37%)

Magenta (0%)

Yellow (63%)

Black (25%)



Cyan (53%)

Magenta (25%)

Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 77BE47 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 77BE47 by changing the saturation by 10% instead.



 77BE47

 77BE47

FFFFFF

 5BA32C

 AFF77C

 3F880B

 CCFF97

 216E00

 E9FFB3

 005500

 FFFFCE

 003D00

 FFFFEC

 002800

 000200

 000000

 77BE47

 77BE47

 6CBE34

 82BE5A

 60BE21

 8EBE6D

 55BE0E

 99BE80

 4DBE00

 A4BE93

 B0BEA6

 BBBEB9

 C6BECC

 D2BEDF

 DDBEF2

# Harmonies

## Analogous

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



B9AF24



77BE47



00C67F

# Triad

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



77BE47



00BEFF



FF729B

# Complementary

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



77BE47



8E47BE

# 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.



FF7AD8



77BE47



50ACFF

# Square

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



77BE47



00C7F8



C893FF



FF8161

# Rectangle

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



77BE47



00C9A9



C893FF



FF72AF

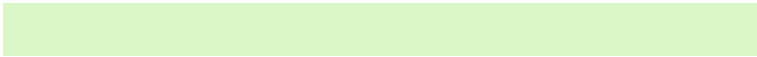


# Sweetspot

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



77BE47



DBF7C8



BE8C47



6C7D60



FCFCFC



7D7D7D



# Same Dimension

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



77BE47



89F73E



47BE51



595E55



409E00



0C1F00



# Inverse Universe

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



8E47BE



AD3EF7



BE47B4



5B555E



5E009E



12001F



# Previews

## White Background



This preview shows how the Hex color 77BE47 looks on a white background.

## Color Contrast Check

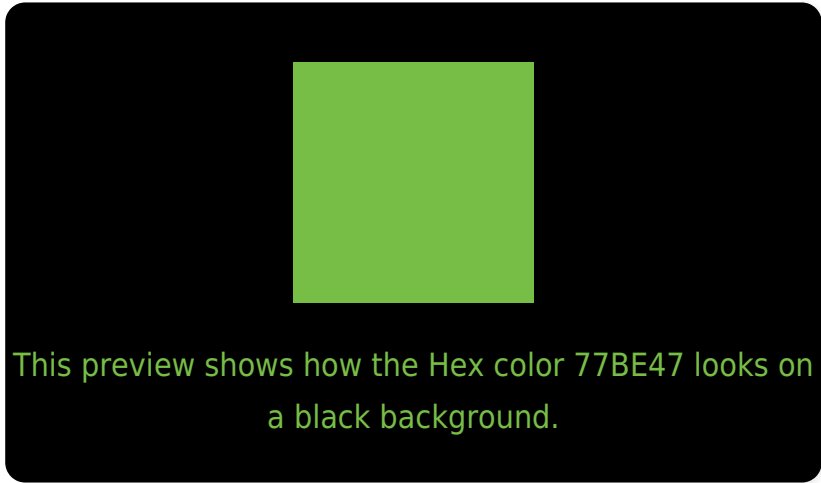
Large Text (above 18pt) WCAG AA × Fail

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 77BE47 Background



This preview shows how black text looks on a background with the Hex color 77BE47.



This preview shows how white text looks on a background with the Hex color 77BE47.

# 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](#).

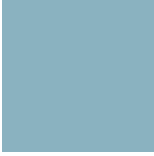
## Dichromacy



**Original Color**  
77BE47

**Protanopia**  
BFAB42

**Deuteranopia**  
D3A34F



**Tritanopia**  
8AB2C0

# Trichromacy



**Original Color**

77BE47



**Protanomaly**

A5B244



**Deuteranomaly**

B2AD4C



**Tritanomaly**

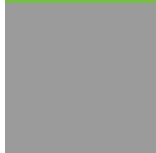
83B694

# Monochromacy



**Original Color**

77BE47



**Achromatopsia**

9B9B9B



**Achromatomaly**

8EA87C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 77BE47 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 #77BE47 looks like.

```
.text, #text, p{  
    color:#77BE47  
}
```

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 #77BE47 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #77BE47
}
```

## Border

The CSS property to change the border of an element to Hex 77BE47 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
#77BE47 }
```

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

```
.border{ border-color:#77BE47 }
```

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

Here you see how a box with a 4 pixel #77BE47 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #77BE47; -webkit-box-shadow:4px 4px  
4px 4px #77BE47; box-shadow:4px 4px 4px  
4px #77BE47 }
```

# Background

The CSS property to change the background color of an element to Hex 77BE47 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#77BE47 }
```

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

```
.background{ background-color:#77BE47 }
```

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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