

# Converting Colors

Hex(7EB246)

Have a look what the booklet for  
Hex(7EB246) contains.

<b>Hex(7EB246)</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(7EB246)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7EB246
RGB	126, 178, 70
RGB Percent	49%, 70%, 27%
CMY	0.5059, 0.3020, 0.7255
CMYK	0.29, 0.00, 0.61, 0.30
HSL	89°, 44%, 49%
HSV	89°, 61%, 70%
XYZ	25.6301, 36.7186, 11.5309
YIQ	150.1400, 3.6760, -44.6120

# Conversions

## Conversions Part 2

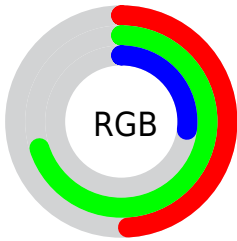
<b>Format</b>	<b>Color</b>
<b>RYB</b>	70, 178, 122
Decimal	8303174
CIELab	67.07, -35.01, 48.59
CIElCh	67, 59.893, 125.774
Yxy	36.7186, 0.3469, 0.4970
Android (android.graphics.Color)	4286493254 (0xFF7EB246)
YUV	150.1400, -39.5090, -21.1708
Hunter-Lab	60.5959, -30.5431, 31.1347

# Details

The Hex color **7EB246** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **7A46B2**, and the grayscale version is **979797**.

A 20% lighter version of the original color is **B5EA7A**, and **487D0D** is the 20% darker color. If you saturate the color by 10%, you get **75B234**, and if you desaturate by 10%, it is **87B258**.

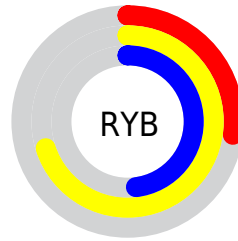
# Distribution



Red (49%)

Green (70%)

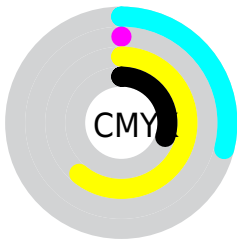
Blue (27%)



Red (27%)

Yellow (70%)

Blue (48%)

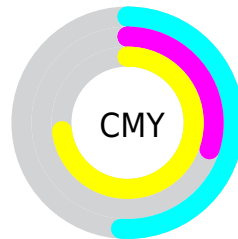


Cyan (29%)

Magenta (0%)

Yellow (61%)

Black (30%)



Cyan (51%)

Magenta (30%)

Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7EB246 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 7EB246 by changing the saturation by 10% instead.



 7EB246

 7EB246

FFFFFF

 63972C


 B5EA7A

 487D0D

 D2FF95

 2D6400

 EFFFFB1

 114B00

 FFFFCD

 003400

 FFFFEB9

 002000

 000000

 7EB246

 7EB246

 75B234

 87B258

 6DB222

 8FB26A

 64B211

 98B27B

 5CB200

 A0B28D

 A9B29F

 B1B2B1

 BAB2C3

 C3B2D4

 CBB2E6

# Harmonies

## Analogous

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



B7A42E



7EB246



1ABA75

# Triad

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



7EB246



00B5FF



FF729B

# Complementary

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



7EB246



7A46B2

# 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.



ED7BD1



7EB246



44A6FF

# Square

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



7EB246



00BCE1



B391FB



FF7C67

# Rectangle

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



7EB246



00BD9A



B391FB



FF72AD



# Sweetspot

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



7EB246



D4E8BE



B27846



69755B



F5F5F5



757575



# Same Dimension

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



7EB246



96E83F



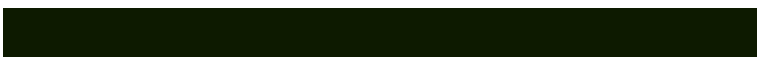
4AB246



555950



4F9900



0D1A00



# Inverse Universe

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



7A46B2



903FE8



AE46B2



555059



4A0099



0C001A



# Previews

## White Background



This preview shows how the Hex color 7EB246 looks on a white background.

## Color Contrast Check

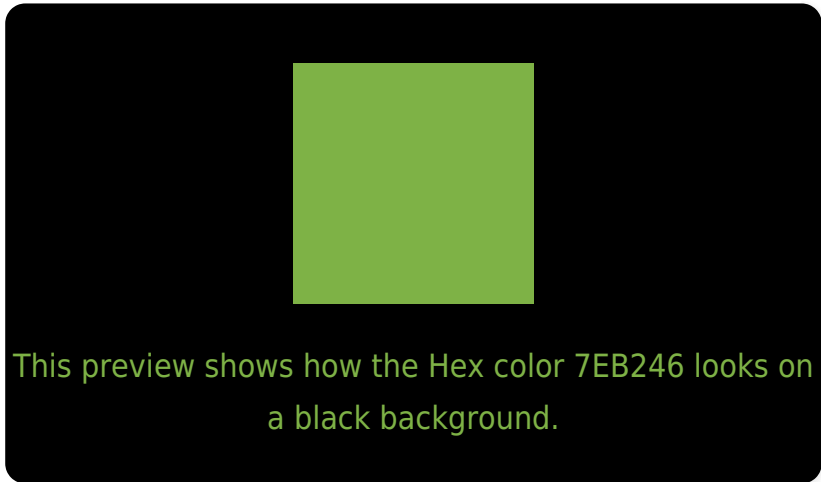
Large Text (above 18pt) WCAG AA × Fail

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 7EB246 Background



This preview shows how black text looks on a background with the Hex color 7EB246.

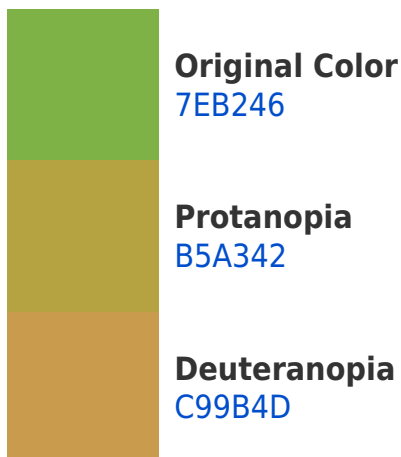


This preview shows how white text looks on a background with the Hex color 7EB246.

# 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](#).

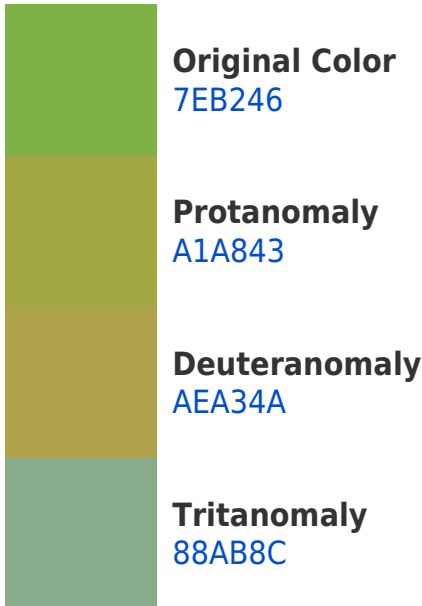
## Dichromacy





**Tritanopia**  
8DA7B4

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7EB246 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 #7EB246 looks like.

```
.text, #text, p{  
    color:#7EB246  
}
```

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 #7EB246 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7EB246  
}
```

## Border

The CSS property to change the border of an element to Hex 7EB246 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  
#7EB246 }
```

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

```
.border{ border-color:#7EB246 }
```

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

Here you see how a box with a 4 pixel #7EB246 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7EB246; -webkit-box-shadow:4px 4px  
4px 4px #7EB246; box-shadow:4px 4px 4px  
4px #7EB246 }
```

# Background

The CSS property to change the background color of an element to Hex 7EB246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7EB246 }
```

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

```
.background{ background-color:#7EB246 }
```

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