

# Converting Colors

Hex(74AA47)

Have a look what the booklet for  
Hex(74AA47) contains.

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**Color**

**Hex(74AA47)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	74AA47
RGB	116, 170, 71
RGB Percent	45%, 67%, 28%
CMY	0.5451, 0.3333, 0.7216
CMYK	0.32, 0.00, 0.58, 0.33
HSL	93°, 41%, 47%
HSV	93°, 58%, 67%
XYZ	22.7145, 32.9174, 11.1177
YIQ	142.5680, -0.4050, -42.2370

# Conversions

## Conversions Part 2

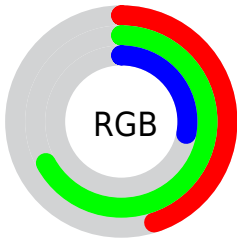
Format	Color
<a href="#">RYB</a>	<a href="#">71, 170, 125</a>
Decimal	<a href="#">7645767</a>
CIELab	<a href="#">64.09, -34.95, 44.61</a>
CIELCh	<a href="#">64, 56.673, 128.074</a>
Yxy	<a href="#">32.9174, 0.3403, 0.4931</a>
Android (android.graphics.Color)	<a href="#">4285835847</a> ( <a href="#">0xFF74AA47</a> )
YUV	<a href="#">142.5680, -35.2830, -23.3001</a>
Hunter-Lab	<a href="#">57.3737, -29.7349, 28.6725</a>

# Details

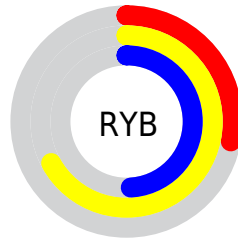
The Hex color **74AA47** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **7D47AA**, and the grayscale version is **8F8F8F**.

A 20% lighter version of the original color is **ABE27B**, and **3F7512** is the 20% darker color. If you saturate the color by 10%, you get **6BAA36**, and if you desaturate by 10%, it is **7DAA58**.

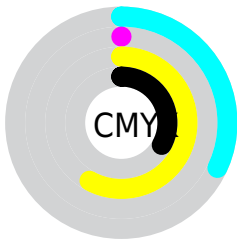
# Distribution



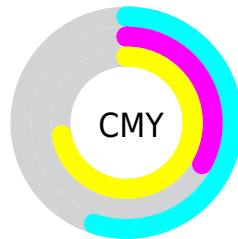
- Red (45%)
- Green (67%)
- Blue (28%)



- Red (28%)
- Yellow (67%)
- Blue (49%)



- Cyan (32%)
- Magenta (0%)
- Yellow (58%)
- Black (33%)



- Cyan (55%)
- Magenta (33%)
- Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 74AA47 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 74AA47 by changing the saturation by 10% instead.





74AA47



74AA47

FFFFFF



598F2E



ABE27B



3F7512



C7FE95



245C00



E4FFB1



044400



FFFFCD



002D00



FFFFE9



001700



000000



74AA47



74AA47



6BAA36



7DAA58

 61AA25

 87AA69

 58AA14

 90AA7A

 4FAA03

 99AA8B

 4DAA00

 A2AA9C

 ACAAAD

 B5AABE

 BEAACF

 C7AAE0

# Harmonies

## Analogous

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



AA9D2F



74AA47



0AB174

# Triad

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



74AA47



00ABF9



F86D90

# Complementary

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



74AA47



7D47AA

# 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.



E375C2



74AA47



519CFF

# Square

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



74AA47



00B2D8



B088EB



F17860

# Rectangle

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



74AA47



00B496



B088EB



F46EA1



# Sweetspot

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



74AA47



C9DEB8



AA7C47



64705A



F0F0F0



707070



# Same Dimension

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



74AA47



89DE43



47AA4A



50544C



439400



091400



# Inverse Universe

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



7D47AA



9743DE



AA47A7



504C54



510094



0B0014



# Previews

## White Background



This preview shows how the Hex color 74AA47 looks on a white background.

## Color Contrast Check

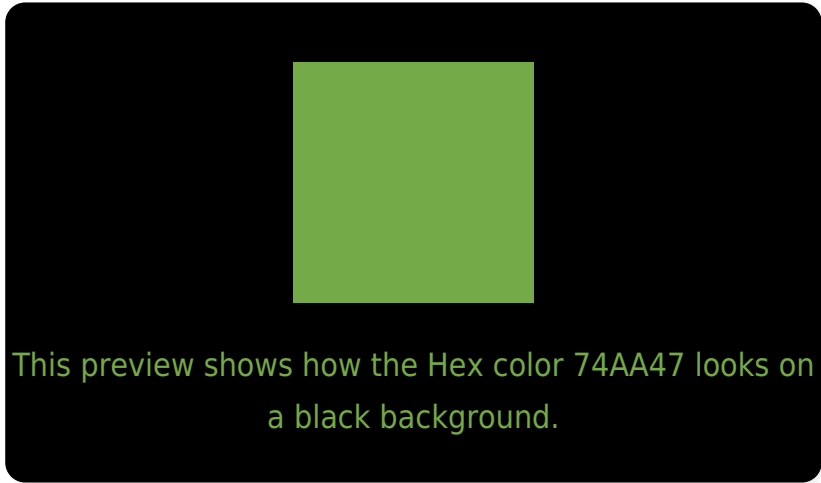
Large Text (above 18pt) WCAG AA × Fail

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

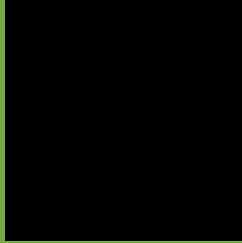
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 74AA47 Background



This preview shows how black text looks on a background with the Hex color 74AA47.



This preview shows how white text looks on a background with the Hex color 74AA47.

# 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**  
74AA47

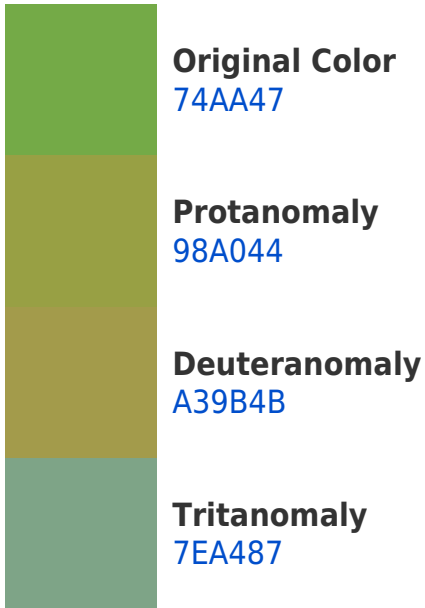
**Protanopia**  
AC9B42

**Deuteranopia**  
BE934D

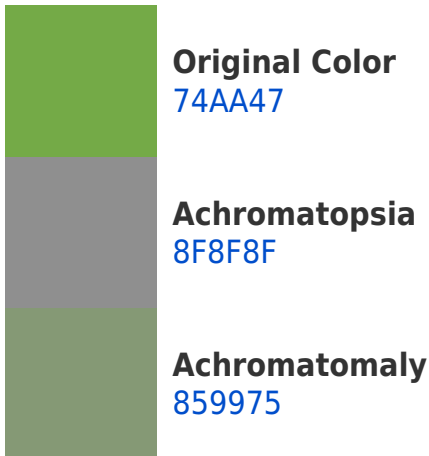


**Tritanopia**  
83A0AC

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 74AA47 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 #74AA47 looks like.

```
.text, #text, p{  
    color:#74AA47  
}
```

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 #74AA47 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #74AA47
}
```

## Border

The CSS property to change the border of an element to Hex 74AA47 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
#74AA47 }
```

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

```
.border{ border-color:#74AA47 }
```

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

Here you see how a box with a 4 pixel #74AA47 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #74AA47; -webkit-box-shadow:4px 4px  
4px 4px #74AA47; box-shadow:4px 4px 4px  
4px #74AA47 }
```

# Background

The CSS property to change the background color of an element to Hex 74AA47 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#74AA47 }
```

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

```
.background{ background-color:#74AA47 }
```

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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