

# Converting Colors

XYZ(75.3506, 86.8336, 47.1564)

Have a look what the booklet for  
XYZ(75.3506, 86.8336, 47.1564)  
contains.

<b>XYZ(75.4125, 87.0454, 47.0092)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(75.4125, 87.0454,  
47.0092)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0F6A2
RGB	240, 246, 162
RGB Percent	94%, 96%, 64%
CMY	0.0588, 0.0353, 0.3647
CMYK	0.02, 0.00, 0.34, 0.04
HSL	64°, 82%, 80%
HSV	64°, 34%, 96%
XYZ	75.4125, 87.0454, 47.0092
YIQ	234.6300, 23.3880, -27.3960

# Conversions

## Conversions Part 2

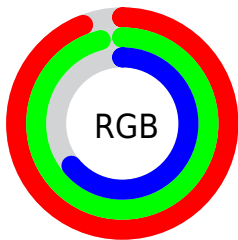
<b>Format</b>	<b>Color</b>
<b>RYB</b>	162, 246, 168
Decimal	15791778
CIELab	94.76, -14.52, 39.80
CIELCh	95, 42.367, 110.042
Yxy	87.0454, 0.3600, 0.4156
Android (android.graphics.Color)	4293981858 (0xFFFF0F6A2)
YUV	234.6300, -35.8066, 4.7095
Hunter-Lab	93.2981, -18.9909, 35.4348

# Details

The XYZ color **75.4125, 87.0454, 47.0092** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **45.7066, 40.8216, 92.6641**, and the grayscale version is **78.9373, 83.0481, 90.4394**.

A 20% lighter version of the original color is **89.6549, 97.8420, 80.4897**, and **40.7022, 47.9983, 21.5874** is the 20% darker color. If you saturate the color by 10%, you get **72.8428, 85.9519, 36.5695**, and if you desaturate by 10%, it is **78.4201, 88.3208, 59.7057**.

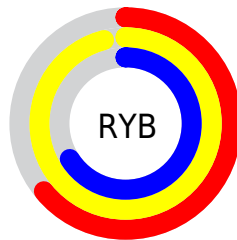
# Distribution



Red (94%)

Green (96%)

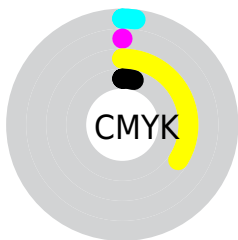
Blue (64%)



Red (64%)

Yellow (96%)

Blue (66%)

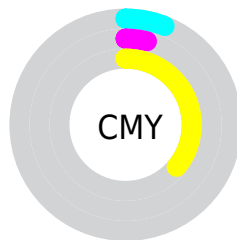


Cyan (2%)

Magenta (0%)

Yellow (34%)

Black (4%)



Cyan (6%)

Magenta (4%)

Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.4125, 87.0454, 47.0092 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 XYZ color 75.4125, 87.0454, 47.0092 by changing the saturation by 10% instead.



75.4125, 87.0454,  
47.0092

75.4125, 87.0454,  
47.0092

468.3095,  
518.3720, 391.2461

56.2463, 65.5328,  
32.6885

125.8809,  
143.2274, 87.0775

40.6382, 47.8932,  
21.6188

157.9137,  
178.6656, 113.6622

28.2229, 33.7423,  
13.3814

194.9662,  
219.5144, 145.1720

18.6351, 22.6957,  
7.5579

237.4036,  
266.1583, 182.0254

11.5093, 14.3690,  
3.7297

285.5912,  
318.9816, 224.6409

6.4803, 8.3778,  
1.4783

339.8945,

3.1827, 4.3376,

378.3687, 273.4372

0.2017

400.6789,  
444.7041, 328.8328

■ 1.2511, 1.8641,  
0.0000

■ 0.1462, 0.5267,  
0.0000

■ 75.4125, 87.0454,  
47.0092

■ 75.4125, 87.0454,  
47.0092

■ 72.8428, 85.9519,  
36.5695

■ 78.4201, 88.3208,  
59.7057

■ 70.6795, 85.0186,  
28.2492


■ 81.8822, 89.7757,  
74.7748


■ 68.8971, 84.2383,  
21.9045


■ 85.8224, 91.4224,  
92.3309


■ 67.4644, 83.5986,  
17.3714


■ 89.3780, 92.9160,  
107.8316


 66.3452, 83.0849,  
14.4596


 90.0014, 93.2373,  
107.8608


 65.4955, 82.6797,  
12.9366

 90.6307, 93.5617,  
107.8902

 65.0851, 82.4776,  
12.4894

 91.2658, 93.8891,  
107.9199

 91.9068, 94.2196,  
107.9499

 92.2477, 94.3953,  
107.9659

# Harmonies

## Analogous

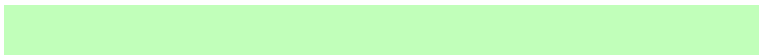
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.6016, 87.0454, 45.2337



75.4125, 87.0454, 47.0092



66.9728, 87.0454, 59.7631

# Triad

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



75.4125, 87.0454, 47.0092



69.3791, 87.0454, 151.8206



106.3803, 87.0454, 106.1097

# Complementary

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



75.4125, 87.0454, 47.0092



45.7066, 40.8216, 92.6641

# 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.



100.7923, 87.0454, 141.3370



75.4125, 87.0454, 47.0092



78.9834, 87.0454, 171.4755

# Square

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



75.4125, 87.0454, 47.0092



63.7187, 87.0454, 118.0823



90.5148, 87.0454, 167.2494



105.1997, 87.0454, 74.7606

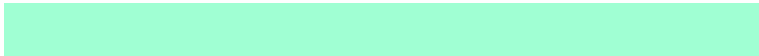


# Rectangle

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



75.4125, 87.0454, 47.0092



63.7093, 87.0454, 74.8354



90.5148, 87.0454, 167.2494



105.2128, 87.0454, 117.9809

# Sweetspot

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



75.4147, 87.0493, 47.0110



90.5452, 98.1210, 88.6623



58.4594, 50.0615, 40.7653



19.2541, 20.9491, 18.4165



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

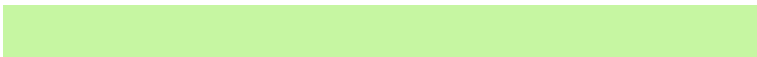
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.4147, 87.0493, 47.0110



79.8445, 93.6062, 42.9041



62.8749, 80.5848, 46.4242



17.7909, 19.2498, 17.5755



34.7889, 44.0471, 6.6684



3.0920, 3.8890, 0.5877



# Inverse Universe

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



45.7066, 40.8216, 92.6641



43.1141, 36.4381, 99.3686



56.0222, 46.1394, 93.1469



15.6909, 15.9833, 20.8007



9.0495, 3.6395, 46.7636

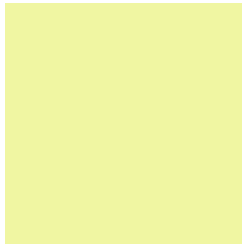


0.8329, 0.3392, 4.1118



# Previews

## White Background



This preview shows how the XYZ color 75.4125, 87.0454, 47.0092 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

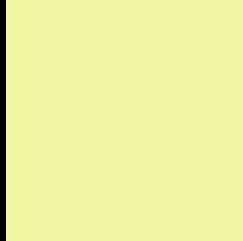
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.4125, 87.0454, 47.0092 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

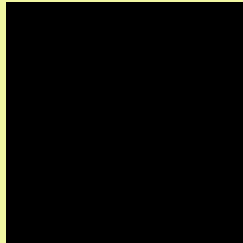
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 75.4125, 87.0454, 47.0092**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.4125, 87.0454, 47.0092.



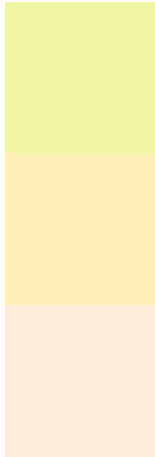
This preview shows how white text looks on a background with the XYZ color 75.4125, 87.0454,



# 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

75.4125, 87.0454, 47.0092

### Protanopia

81.0518, 87.0409, 57.8761

### Deuteranopia

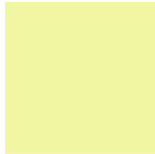
84.4425, 86.9957, 80.0514



## Tritanopia

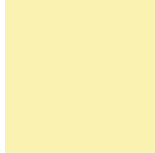
87.2216, 87.0177, 105.1275

# Trichromacy



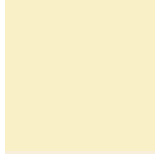
## Original Color

75.4125, 87.0454, 47.0092



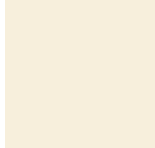
## Protanomaly

79.0129, 86.9628, 53.6954



## Deuteranomaly

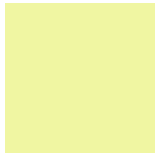
80.8932, 86.7677, 66.5171



## Tritanomaly

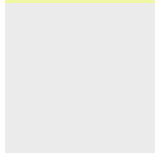
82.1425, 86.6745, 80.1106

# Monochromacy



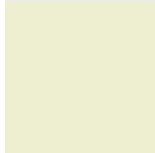
## Original Color

75.4125, 87.0454, 47.0092



## Achromatopsia

78.9647, 83.0770, 90.4708



## Achromatomaly

77.1767, 84.2916, 71.8768

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.4125, 87.0454, 47.0092 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 `rgb(240, 246, 162)` looks like.

```
.text, #text, p{  
    color:rgb(240, 246, 162)  
}
```

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 rgb(240, 246, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 246, 162) }
```

## Border

The CSS property to change the border of an element to XYZ 75.4125, 87.0454, 47.0092 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 rgb(240, 246, 162) }
```



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

```
.border{ border-color:rgb(240, 246, 162) }
```

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

Here you see how a box with a 4 pixel rgb(240, 246, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 246, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 246, 162);  
box-shadow:4px 4px 4px 4px rgb(240, 246,  
162) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.4125, 87.0454, 47.0092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 246, 162) }
```

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

```
.background{ background-color: rgb(240,  
246, 162) }
```

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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