

# Converting Colors

XYZ(74.8033, 84.3133, 47.2836)

Have a look what the booklet for  
XYZ(74.8033, 84.3133, 47.2836)  
contains.

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# Color

**XYZ(75.1183, 84.6456,  
47.5010)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3F1A4
RGB	243, 241, 164
RGB Percent	95%, 95%, 64%
CMY	0.0471, 0.0549, 0.3569
CMYK	0.00, 0.01, 0.33, 0.05
HSL	58°, 77%, 80%
HSV	58°, 33%, 95%
XYZ	75.1183, 84.6456, 47.5010
YIQ	232.8200, 25.9090, -23.5230

# Conversions

## Conversions Part 2

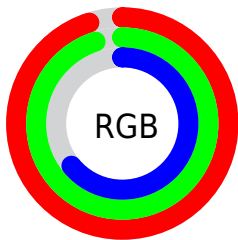
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	166, 243, 164
Decimal	15987108
CIE <sub>Lab</sub>	93.73, -10.69, 37.50
CIE <sub>LCh</sub>	94, 38.999, 105.915
Yxy	84.6456, 0.3624, 0.4084
Android (android.graphics.Color)	4294177188 (0xFFFF3F1A4)
YUV	232.8200, -33.9283, 8.9279
Hunter-Lab	92.0030, -15.2643, 33.7908

# Details

The XYZ color **75.1183, 84.6456, 47.5010** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **45.1236, 41.6350, 90.4523**, and the grayscale version is **77.5520, 81.5908, 88.8524**.

A 20% lighter version of the original color is **89.9183, 97.9473, 81.8767**, and **40.4679, 46.2847, 21.8399** is the 20% darker color. If you saturate the color by 10%, you get **72.9498, 83.4911, 36.9666**, and if you desaturate by 10%, it is **77.7110, 85.9767, 60.2474**.

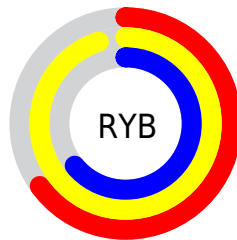
# Distribution



Red (95%)

Green (95%)

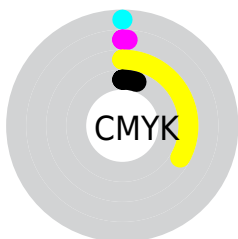
Blue (64%)



Red (65%)

Yellow (95%)

Blue (64%)

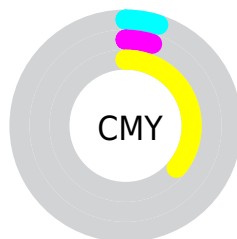


Cyan (0%)

Magenta (1%)

Yellow (33%)

Black (5%)



Cyan (5%)

Magenta (5%)


Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.1183, 84.6456, 47.5010 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 75.1183, 84.6456, 47.5010 by changing the saturation by 10% instead.




 75.1183, 84.6456,  
47.5010


 75.1183, 84.6456,  
47.5010


467.3150,  
510.4546, 393.2623

 56.0043, 63.5486,  
33.0747


 125.4668,  
139.8779, 87.8188

 40.4434, 46.2852,  
21.9121


 157.4321,  
174.7820, 114.5473

 28.0702, 32.4709,  
13.5946

194.4118,  
215.0573, 146.2137

 18.5193, 21.7214,  
7.7038

236.7714,  
261.0881, 183.2365

 11.4254, 13.6524,  
3.8209

284.8761,  
313.2588, 226.0342

 6.4231, 7.8793,  
1.5276

339.0914,

 3.1471, 4.0178,

371.9539, 275.0254

0.2384

399.7826,  
437.5577, 330.6286

■ 1.2320, 1.6835,  
0.0000

■ 0.1314, 0.4130,  
0.0000

■ 75.1183, 84.6456,  
47.5010

■ 75.1183, 84.6456,  
47.5010

■ 72.9498, 83.4911,  
36.9666

■ 77.7110, 85.9767,  
60.2474

■ 71.1752, 82.4922,  
28.5126

■ 80.7436, 87.4817,  
75.3165

■ 69.7701, 81.6421,  
22.0019

■ 84.2387, 89.1727,  
92.8182

■ 68.7051, 80.9290,  
17.2789

■ 87.2006, 90.6514,  
107.5093

67.9461, 80.3393,  
14.1638

87.3849, 91.0201,  
107.5707

67.4517, 79.8564,  
12.4397

87.5699, 91.3900,  
107.6323

67.2078, 79.5458,  
11.8117

87.7554, 91.7611,  
107.6942

87.9416, 92.1335,  
107.7563

88.1284, 92.5071,  
107.8185

# Harmonies

## Analogous

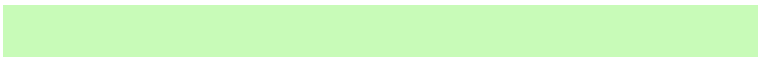
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.3941, 84.6456, 47.1987



75.1183, 84.6456, 47.5010



66.9877, 84.6456, 57.9263

# Triad

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



75.1183, 84.6456, 47.5010



67.3864, 84.6456, 139.4670



101.3411, 84.6456, 106.7425

# Complementary

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



75.1183, 84.6456, 47.5010



45.1236, 41.6350, 90.4523

# 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.



95.6119, 84.6456, 137.7768



75.1183, 84.6456, 47.5010



75.7065, 84.6456, 159.2372

# Square

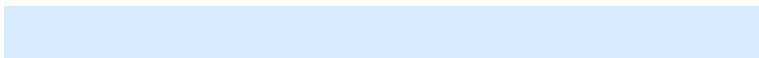
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.1183, 84.6456, 47.5010



62.7921, 84.6456, 108.6940



86.0347, 84.6456, 158.5596



101.1493, 84.6456, 77.4023

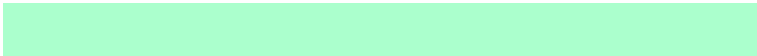


# Rectangle

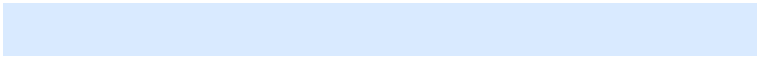
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.1183, 84.6456, 47.5010



63.6177, 84.6456, 70.8071



86.0347, 84.6456, 158.5596



100.0239, 84.6456, 117.4355

# Sweetspot

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



75.1204, 84.6494, 47.5028



91.0078, 98.0551, 88.6252



57.1795, 48.3831, 42.7080



19.3669, 20.9330, 18.4074



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

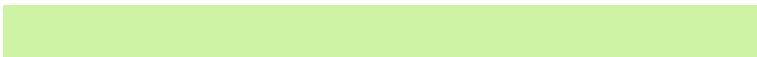
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.1204, 84.6494, 47.5028



82.1671, 93.5739, 44.9840



64.2427, 79.9228, 47.1638



17.8767, 19.2376, 17.5686



36.9019, 43.6895, 6.4880



3.2545, 3.8622, 0.5739



# Inverse Universe

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



45.1236, 41.6350, 90.4523



43.9105, 38.7174, 99.7666



53.5055, 45.4221, 90.7415



15.6147, 15.9937, 20.8067



8.9299, 3.6536, 46.7726

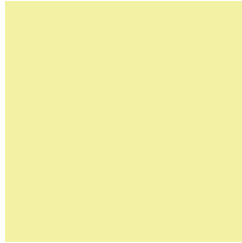


0.7964, 0.3443, 4.1147



# Previews

## White Background



This preview shows how the XYZ color 75.1183, 84.6456, 47.5010 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

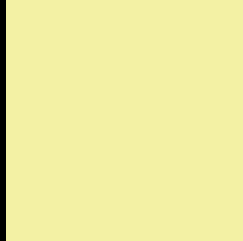
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.1183, 84.6456, 47.5010 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 75.1183, 84.6456, 47.5010

## Background



This preview shows how black text looks on a background with the XYZ color 75.1183, 84.6456, 47.5010.



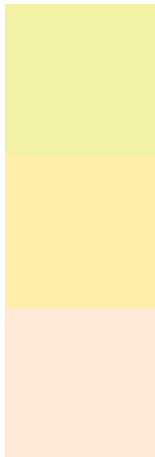
This preview shows how white text looks on a background with the XYZ color 75.1183, 84.6456,



# 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

75.1183, 84.6456, 47.5010

### Protanopia

78.5921, 84.6555, 49.2437

### Deuteranopia

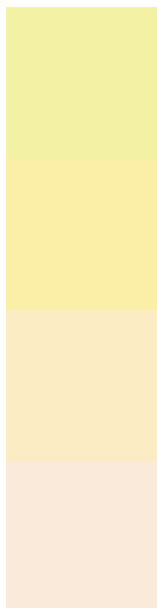
82.5165, 84.3929, 75.5587



## Tritanopia

85.7481, 84.2536, 100.5501

# Trichromacy



## Original Color

75.1183, 84.6456, 47.5010

## Protanomaly

77.3332, 84.4483, 48.7835

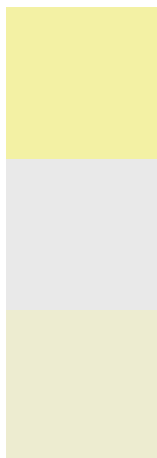
## Deuteranomaly

79.7429, 84.4857, 64.3290

## Tritanomaly

81.0141, 83.9951, 77.5884

# Monochromacy



## Original Color

75.1183, 84.6456, 47.5010

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

76.3057, 82.5495, 71.5864

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.1183, 84.6456, 47.5010 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(243, 241, 164)` looks like.

```
.text, #text, p{  
    color:rgb(243, 241, 164)  
}
```

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(243, 241, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 241, 164) }
```

## Border

The CSS property to change the border of an element to XYZ 75.1183, 84.6456, 47.5010 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(243, 241, 164) }
```



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

```
.border{ border-color:rgb(243, 241, 164) }
```

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

Here you see how a box with a 4 pixel rgb(243, 241, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 241, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 241, 164);  
box-shadow:4px 4px 4px 4px rgb(243, 241,  
164) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.1183, 84.6456, 47.5010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 241, 164) }
```

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

```
.background{ background-color: rgb(243,  
241, 164) }
```

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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