

# Converting Colors

XYZ(74.0990, 85.9180, 46.8608)

Have a look what the booklet for  
XYZ(74.0990, 85.9180, 46.8608)  
contains.

<b>XYZ(74.0990, 85.9180, 46.8608)</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(74.0990, 85.9180,  
46.8608)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDF5A2
RGB	237, 245, 162
RGB Percent	93%, 96%, 64%
CMY	0.0706, 0.0392, 0.3647
CMYK	0.03, 0.00, 0.34, 0.04
HSL	66°, 81%, 80%
HSV	66°, 34%, 96%
XYZ	74.0990, 85.9180, 46.8608
YIQ	233.1460, 21.8750, -27.5090

# Conversions

## Conversions Part 2

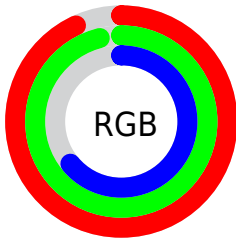
Format	Color
<a href="#">RYB</a>	<a href="#">162, 245, 170</a>
Decimal	<a href="#">15594914</a>
CIELab	<a href="#">94.28, -15.15, 39.13</a>
CIELCh	<a href="#">94, 41.964, 111.167</a>
Yxy	<a href="#">85.9180, 0.3582, 0.4153</a>
Android (android.graphics.Color)	<a href="#">4293784994</a> ( <a href="#">0xFFEDF5A2</a> )
YUV	<a href="#">233.1460, -35.0750, 3.3800</a>
Hunter-Lab	<a href="#">92.6920, -19.5160, 34.9101</a>

# Details

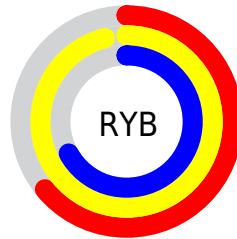
The XYZ color **74.0990, 85.9180, 46.8608** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **45.9826, 40.9815, 91.8779**, and the grayscale version is **77.8083, 81.8604, 89.1460**.

A 20% lighter version of the original color is **89.6549, 97.8420, 80.4897**, and **39.7803, 47.2026, 21.4824** is the 20% darker color. If you saturate the color by 10%, you get **71.3469, 84.7296, 36.4502**, and if you desaturate by 10%, it is **77.2902, 87.2892, 59.5102**.

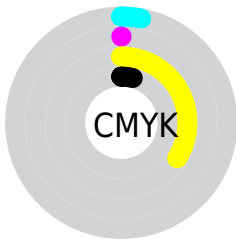
# Distribution



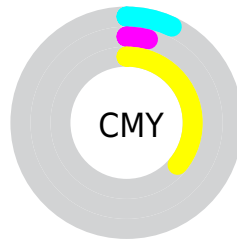
- Red (93%)
- Green (96%)
- Blue (64%)



- Red (64%)
- Yellow (96%)
- Blue (67%)



- Cyan (3%)
- Magenta (0%)
- Yellow (34%)
- Black (4%)




- Cyan (7%)
- Magenta (4%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.0990, 85.9180, 46.8608 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 74.0990, 85.9180, 46.8608 by changing the saturation by 10% instead.




 74.0990, 85.9180,  
46.8608


 74.0990, 85.9180,  
46.8608


463.8600,  
514.6608, 390.6363

 55.1666, 64.6002,  
32.5721


 124.0309,  
141.6551, 86.8536

 39.7695, 47.1369,  
21.5304


 155.7611,  
176.8431, 113.3948

 27.5423, 33.1439,  
13.3172


192.4880,  
217.4233, 144.8571

 18.1196, 22.2367,  
7.5141

234.5769,  
263.7800, 181.6593

 11.1361, 14.0309,  
3.7023

282.3933,  
316.2978, 224.2197

 6.2264, 8.1422,  
1.4635

336.3023,

 3.0252, 4.1861,

375.3609, 272.9570

0.1905

396.6694,  
441.3538, 328.2897

■ 1.1671, 1.7782,  
0.0000

■ 0.0802, 0.4735,  
0.0000

■ 74.0990, 85.9180,  
46.8608

■ 74.0990, 85.9180,  
46.8608

■ 71.3469, 84.7296,  
36.4502

■ 77.2902, 87.2892,  
59.5102

■ 69.0026, 83.7025,  
28.1425


■ 80.9368, 88.8408,  
74.5127


■ 67.0409, 82.8297,  
21.7959


■ 85.0621, 90.5851,  
91.9813

■ 65.4310, 82.0987,  
17.2485


■ 88.8695, 92.2035,  
107.7209


 64.1375, 81.4955,  
14.3129

 89.7058, 92.6346,  
107.7600

 63.1166, 81.0026,  
12.7603

 90.5527, 93.0712,  
107.7996

 62.5870, 80.7395,  
12.2856

 91.4102, 93.5133,  
107.8398

 91.9443, 93.7886,  
107.8648

# Harmonies

## Analogous

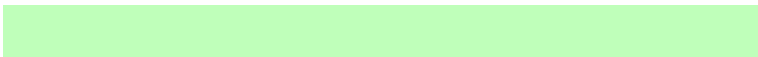
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.0286, 85.9180, 44.7215



74.0990, 85.9180, 46.8608



65.9467, 85.9180, 59.8373

# Triad

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



74.0990, 85.9180, 46.8608



68.8376, 85.9180, 150.5722



104.9527, 85.9180, 103.3869

# Complementary

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



74.0990, 85.9180, 46.8608



45.9826, 40.9815, 91.8779

# 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.



99.6956, 85.9180, 138.0132



74.0990, 85.9180, 46.8608



78.3864, 85.9180, 169.0756

# Square

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



74.0990, 85.9180, 46.8608



63.1085, 85.9180, 117.7467



89.7239, 85.9180, 164.0159



103.5373, 85.9180, 72.9186

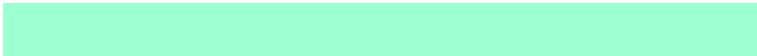


# Rectangle

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



74.0990, 85.9180, 46.8608



62.8550, 85.9180, 74.9460



89.7239, 85.9180, 164.0159



103.8908, 85.9180, 115.0033

# Sweetspot

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



74.1012, 85.9219, 46.8626



90.3136, 98.0016, 88.6515



58.3532, 50.3683, 40.8301



19.1976, 20.9200, 18.4138



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

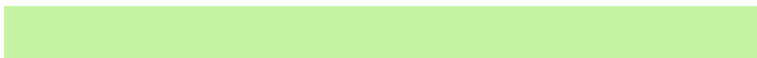
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.1012, 85.9219, 46.8626



78.9280, 93.1338, 42.8612



62.0942, 79.7320, 46.3007



17.7479, 19.2276, 17.5734



33.7804, 43.5272, 6.6212



3.0139, 3.8488, 0.5840



# Inverse Universe

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



45.9826, 40.9815, 91.8779



43.6326, 36.7054, 99.3929



56.1016, 46.1981, 92.3515



15.7294, 16.0031, 20.8025



9.1275, 3.6797, 46.7672

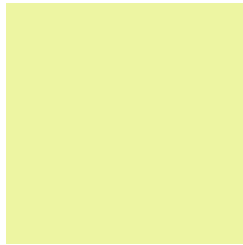


0.8512, 0.3487, 4.1127



# Previews

## White Background



This preview shows how the XYZ color 74.0990, 85.9180, 46.8608 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

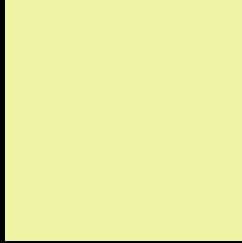
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.0990, 85.9180, 46.8608 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 74.0990, 85.9180, 46.8608**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.0990, 85.9180, 46.8608.



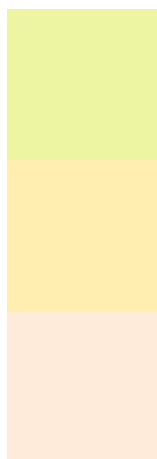
This preview shows how white text looks on a background with the XYZ color 74.0990, 85.9180,



# 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

74.0990, 85.9180, 46.8608

### Protanopia

79.6510, 85.5437, 53.3878

### Deuteranopia

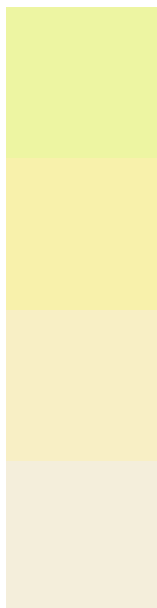
83.4727, 85.6864, 77.7853



## Tritanopia

85.7049, 85.8304, 104.1452

# Trichromacy



## Original Color

74.0990, 85.9180, 46.8608

## Protanomaly

77.5174, 85.8073, 51.0049

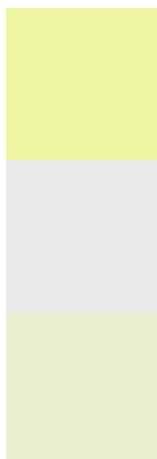
## Deuteranomaly

79.6559, 85.7207, 65.1708

## Tritanomaly

80.6689, 85.4966, 79.2686

# Monochromacy



## Original Color

74.0990, 85.9180, 46.8608

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

75.4784, 82.5658, 70.9901

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.0990, 85.9180, 46.8608 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(237, 245, 162)` looks like.

```
.text, #text, p{  
    color:rgb(237, 245, 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(237, 245, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 245, 162) }
```

## Border

The CSS property to change the border of an element to XYZ 74.0990, 85.9180, 46.8608 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(237, 245, 162) }
```



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

```
.border{ border-color:rgb(237, 245, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 245, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 245, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 245, 162);  
box-shadow:4px 4px 4px 4px rgb(237, 245,  
162) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.0990, 85.9180, 46.8608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 245, 162) }
```

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

```
.background{ background-color: rgb(237,  
245, 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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