

Converting Colors

XYZ(74.9936, 86.0413, 47.6356)

Have a look what the booklet for
XYZ(74.9936, 86.0413, 47.6356)
contains.

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Color

**XYZ(74.9867, 85.9070,
47.7514)**

Conversions

Conversions Part 1

Format	Color
Hex	F0F4A4
RGB	240, 244, 164
RGB Percent	94%, 96%, 64%
CMY	0.0588, 0.0431, 0.3569
CMYK	0.02, 0.00, 0.33, 0.04
HSL	63°, 78%, 80%
HSV	63°, 33%, 96%
XYZ	74.9867, 85.9070, 47.7514
YIQ	233.6840, 23.2960, -25.7280

Conversions

Conversions Part 2

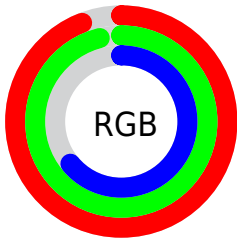
Format	Color
RYB	164, 244, 168
Decimal	15791268
CIELab	94.27, -13.30, 38.17
CIELCh	94, 40.425, 109.212
Yxy	85.9070, 0.3594, 0.4117
Android (android.graphics.Color)	4293981348 (0xFFFF0F4A4)
YUV	233.6840, -34.3542, 5.5391
Hunter-Lab	92.6860, -17.7869, 34.3343

Details

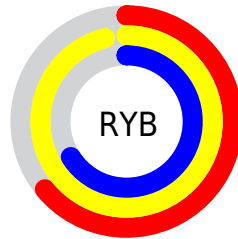
The XYZ color **74.9867, 85.9070, 47.7514** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **45.7562, 41.4096, 91.1742**, and the grayscale version is **78.2088, 82.2818, 89.6049**.

A 20% lighter version of the original color is **89.9183, 97.9473, 81.8767**, and **40.3809, 47.1814, 22.0175** is the 20% darker color. If you saturate the color by 10%, you get **72.5787, 84.8990, 37.2191**, and if you desaturate by 10%, it is **77.8247, 87.0933, 60.5139**.

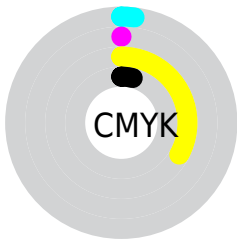
Distribution



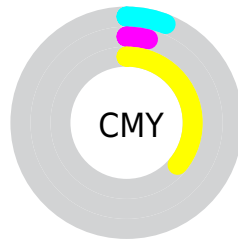
- Red (94%)
- Green (96%)
- Blue (64%)



- Red (64%)
- Yellow (96%)
- Blue (66%)



- Cyan (2%)
- Magenta (0%)
- Yellow (33%)
- Black (4%)




- Cyan (6%)
- Magenta (4%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 74.9867, 85.9070, 47.7514 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 74.9867, 85.9070, 47.7514 by changing the saturation by 10% instead.


 74.9867, 85.9070,
47.7514


 74.9867, 85.9070,
47.7514

466.8697,
514.6245, 394.2861

 55.8961, 64.5911,
33.2715


 125.2815,
141.6397, 88.1958

 40.3563, 47.1296,
22.0617


 157.2165,
176.8253, 114.9974

 28.0019, 33.1381,
13.7035


194.1637,
217.4028, 146.7433

 18.4676, 22.2323,
7.7783

236.4884,
263.7568, 183.8520

 11.3879, 14.0277,
3.8677

284.5560,
316.2715, 226.7421

 6.3976, 8.1399,
1.5530

338.7319,

 3.1313, 4.1846,

375.3315, 275.8322

0.2570

399.3813,
441.3210, 331.5407

■ 1.2236, 1.7774,
0.0000

■ 0.1248, 0.4730,
0.0000

■ 74.9867, 85.9070,
47.7514

■ 74.9867, 85.9070,
47.7514

■ 72.5787, 84.8990,
37.2191

■ 77.8247, 87.0933,
60.5139

■ 70.5698, 84.0481,
28.7839


■ 81.1084, 88.4552,
75.6189

■ 68.9356, 83.3472,
22.3068


■ 84.8608, 90.0049,
93.1774

■ 67.6460, 82.7846,
17.6300


■ 88.0195, 91.3174,
107.5946


 66.6663, 82.3463,
14.5711


 88.4470, 91.5378,
107.6146


 65.9548, 82.0155,
12.9096

 88.8773, 91.7596,
107.6348

 65.5624, 81.8255,
12.3384

 89.3104, 91.9829,
107.6550

 89.7463, 92.2076,
107.6755

 90.1851, 92.4338,
107.6960

Harmonies

Analogous

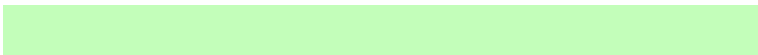
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6140, 85.9070, 46.3171



74.9867, 85.9070, 47.7514



66.8725, 85.9070, 59.7244

Triad

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



74.9867, 85.9070, 47.7514



68.7845, 85.9070, 146.3745



103.8744, 85.9070, 105.1565

Complementary

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



74.9867, 85.9070, 47.7514



45.7562, 41.4096, 91.1742

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.



98.4630, 85.9070, 138.1796



74.9867, 85.9070, 47.7514



77.8142, 85.9070, 165.2423

Square

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



74.9867, 85.9070, 47.7514



63.5167, 85.9070, 114.5771



88.7011, 85.9070, 161.9496



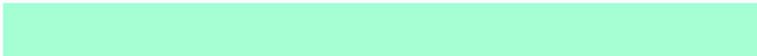
102.9473, 85.9070, 75.2464

Rectangle

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



74.9867, 85.9070, 47.7514



63.6827, 85.9070, 73.9200



88.7011, 85.9070, 161.9496



102.7187, 85.9070, 116.3523

Sweetspot

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



74.9889, 85.9109, 47.7532



90.7446, 98.2237, 88.6716



58.0146, 49.9209, 41.7011



19.3027, 20.9742, 18.4187



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

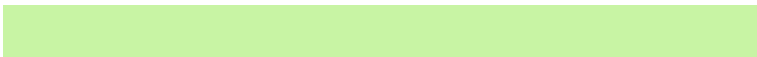
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.9889, 85.9109, 47.7532



81.1542, 94.2328, 45.1645



62.8742, 79.6655, 47.1863



17.8279, 19.2688, 17.5772



35.6830, 44.5080, 6.7102



3.1609, 3.9246, 0.5909

Inverse Universe

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



45.7562, 41.4096, 91.1742



44.4665, 38.3745, 99.6711



55.6197, 46.4944, 91.6358



15.6579, 15.9663, 20.7991



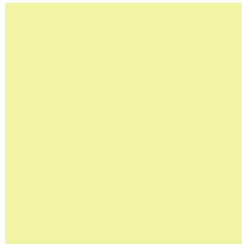
8.9956, 3.6117, 46.7610



0.8171, 0.3311, 4.1111

Previews

White Background



This preview shows how the XYZ color 74.9867, 85.9070, 47.7514 looks on a white background.

Color Contrast Check

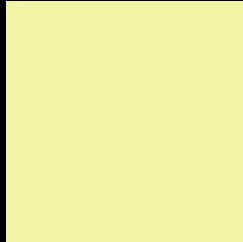
Large Text (above 18pt) WCAG AA × Fail

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 74.9867, 85.9070, 47.7514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

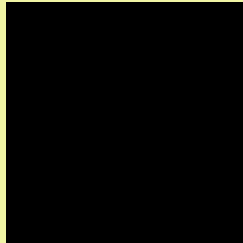
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 74.9867, 85.9070, 47.7514

Background



This preview shows how black text looks on a background with the XYZ color 74.9867, 85.9070, 47.7514.



This preview shows how white text looks on a background with the XYZ color 74.9867, 85.9070,

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

74.9867, 85.9070, 47.7514

Protanopia

79.7503, 85.5834, 53.9109

Deuteranopia

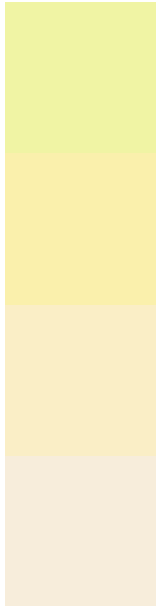
83.4727, 85.6864, 77.7853



Tritanopia

86.3352, 85.7521, 103.2682

Trichromacy



Original Color

74.9867, 85.9070, 47.7514

Protanomaly

78.0308, 85.6227, 51.4439

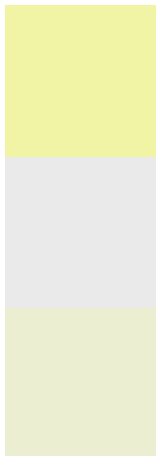
Deuteranomaly

80.1919, 85.5503, 65.7124

Tritanomaly

81.4281, 85.4570, 79.2210

Monochromacy



Original Color

74.9867, 85.9070, 47.7514

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

76.6752, 83.5854, 72.4140

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.9867, 85.9070, 47.7514 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, 244, 164)` looks like.

```
.text, #text, p{  
    color:rgb(240, 244, 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(240, 244, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 244, 164) }
```

Border

The CSS property to change the border of an element to XYZ 74.9867, 85.9070, 47.7514 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, 244, 164) }
```


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

```
.border{ border-color:rgb(240, 244, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 244, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(240, 244, 164); -webkit-box-shadow:4px 4px 4px 4px rgb(240, 244, 164); box-shadow:4px 4px 4px 4px rgb(240, 244, 164) }
```

Background

The CSS property to change the background color of an element to XYZ 74.9867, 85.9070, 47.7514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 244, 164) }
```

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

```
.background{ background-color: rgb(240,  
244, 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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