

Converting Colors

XYZ(71.4193, 84.2865, 37.7040)

Have a look what the booklet for
XYZ(71.4193, 84.2865, 37.7040)
contains.

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Color

**XYZ(71.4194, 84.2866,
37.7040)**

Conversions

Conversions Part 1

Format	Color
Hex	EBF48D
RGB	235, 244, 141
RGB Percent	92%, 96%, 55%
CMY	0.0784, 0.0431, 0.4470
CMYK	0.04, 0.00, 0.42, 0.04
HSL	65°, 82%, 75%
HSV	65°, 42%, 96%
XYZ	71.4194, 84.2866, 37.7040
YIQ	229.5670, 27.6990, -33.9410

Conversions

Conversions Part 2

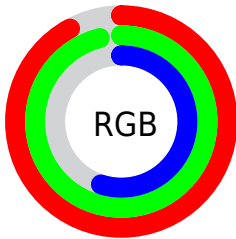
Format	Color
RYB	141, 244, 150
Decimal	15463565
CIELab	93.57, -17.74, 48.48
CIELCh	94, 51.621, 110.100
Yxy	84.2866, 0.3693, 0.4358
Android (android.graphics.Color)	4293653645 (0xFFEBF48D)
YUV	229.5670, -43.6635, 4.7647
Hunter-Lab	91.8077, -21.8042, 39.9159

Details

The XYZ color **71.4194, 84.2866, 37.7040** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **38.4346, 32.0675, 89.7567**, and the grayscale version is **75.1936, 79.1095, 86.1503**.

A 20% lighter version of the original color is **86.9638, 96.7655, 66.3187**, and **38.1048, 46.1360, 16.1293** is the 20% darker color. If you saturate the color by 10%, you get **69.1008, 83.2813, 29.1401**, and if you desaturate by 10%, it is **74.1505, 85.4639, 48.3782**.

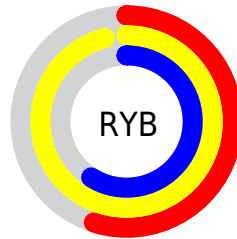
Distribution



Red (92%)

Green (96%)

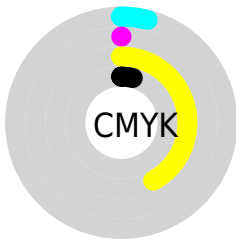
Blue (55%)



Red (55%)

Yellow (96%)

Blue (59%)

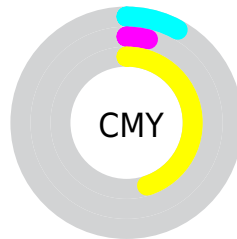


Cyan (4%)

Magenta (0%)

Yellow (42%)

Black (4%)



Cyan (8%)


Magenta (4%)

Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.4194, 84.2866, 37.7040 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 71.4194, 84.2866, 37.7040 by changing the saturation by 10% instead.


 71.4194, 84.2866,
37.7040


 71.4194, 84.2866,
37.7040


454.7073,
509.2645, 351.6085

 52.9683, 63.2521,
25.4530


 120.2460,
139.3760, 72.8526

 38.0048, 46.0452,
16.1928


 151.3522,
174.1997, 96.5873

 26.1637, 32.2815,
9.5048


187.4074,
214.3886, 124.9869

 17.0794, 21.5766,
4.9706

228.7771,
260.3270, 158.4701

 10.3868, 13.5461,
2.1716

275.8266,
312.3994, 197.4553

 5.7204, 7.8057,
0.6579

328.9212,

 2.7149, 3.9708,

370.9902, 242.3610

0.0000

388.4263,
436.4838, 293.6060

■ 1.0048, 1.6573,
0.0000

■ 0.0000, 0.3958,
0.0000

■ 71.4194, 84.2866,
37.7040

■ 71.4194, 84.2866,
37.7040

■ 69.1008, 83.2813,
29.1401

■ 74.1505, 85.4639,
48.3782

■ 67.1621, 82.4259,
22.5414


■ 77.3122, 86.8114,
61.2845


■ 65.5754, 81.7122,
17.7529


■ 80.9288, 88.3419,
76.5417


■ 64.3065, 81.1267,
14.5939


■ 85.0209, 90.0636,
94.2589


 63.3139, 80.6526,
12.8466


 88.2920, 91.4578,
107.6074

 62.6829, 80.3409,
12.2036

 89.0433, 91.8451,
107.6425

 89.8033, 92.2369,
107.6781

 90.5719, 92.6331,
107.7141

 91.3492, 93.0338,
107.7504

Harmonies

Analogous

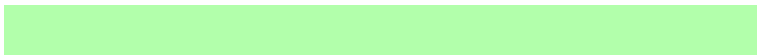
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.7134, 84.2866, 35.8230



71.4194, 84.2866, 37.7040



61.6025, 84.2866, 51.4818

Triad

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



71.4194, 84.2866, 37.7040



64.4161, 84.2866, 162.4306



108.8748, 84.2866, 105.3247

Complementary

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



71.4194, 84.2866, 37.7040



38.4346, 32.0675, 89.7567

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.



102.0007, 84.2866, 148.9812



71.4194, 84.2866, 37.7040



75.6801, 84.2866, 187.6209

Square

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



71.4194, 84.2866, 37.7040



57.8892, 84.2866, 120.1311



89.4825, 84.2866, 182.0996



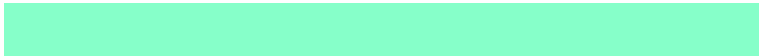
107.3984, 84.2866, 68.2720

Rectangle

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



71.4194, 84.2866, 37.7040



57.8639, 84.2866, 68.4752



89.4825, 84.2866, 182.0996



107.4366, 84.2866, 119.8353

Sweetspot

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



71.4215, 84.2904, 37.7058



89.1064, 97.5003, 83.1249



52.9587, 42.8383, 30.6778



18.8756, 20.7860, 16.9548



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

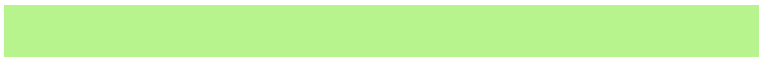
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.4215, 84.2904, 37.7058



76.6382, 92.1662, 33.1359



56.9087, 76.8088, 37.0266



17.7634, 19.2356, 17.5742



34.1409, 43.7131, 6.6381



3.0418, 3.8632, 0.5853

Inverse Universe

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



38.4346, 32.0675, 89.7567



35.5828, 27.1357, 97.9700



49.9664, 38.0123, 90.2964



15.7155, 15.9960, 20.8018



9.0973, 3.6642, 46.7658



0.8446, 0.3452, 4.1124

Previews

White Background



This preview shows how the XYZ color 71.4194, 84.2866, 37.7040 looks on a white background.

Color Contrast Check

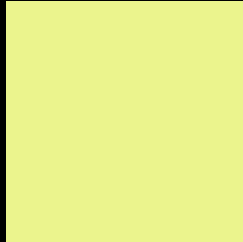
Large Text (above 18pt) WCAG AA × Fail

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 71.4194, 84.2866, 37.7040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

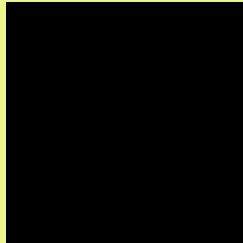
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.4194, 84.2866, 37.7040

Background



This preview shows how black text looks on a background with the XYZ color 71.4194, 84.2866, 37.7040.

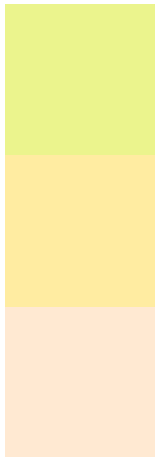


This preview shows how white text looks on a background with the XYZ color 71.4194, 84.2866,

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

71.4194, 84.2866, 37.7040

Protanopia

77.6685, 83.8241, 45.8043

Deuteranopia

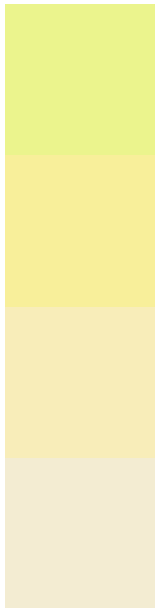
82.0118, 84.1910, 72.9008



Tritanopia

84.3862, 83.9478, 101.3785

Trichromacy



Original Color

71.4194, 84.2866, 37.7040

Protanomaly

75.4106, 84.0226, 42.8153

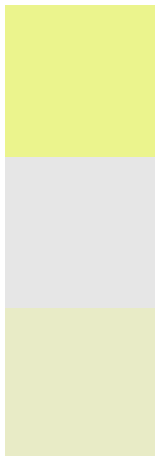
Deuteranomaly

77.7525, 84.0276, 58.0199

Tritanomaly

78.5905, 83.6987, 72.9861

Monochromacy



Original Color

71.4194, 84.2866, 37.7040

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

73.1801, 80.6497, 65.1360

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.4194, 84.2866, 37.7040 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(235, 244, 141)` looks like.

```
.text, #text, p{  
    color:rgb(235, 244, 141)  
}
```

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(235, 244, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 244, 141) }
```

Border

The CSS property to change the border of an element to XYZ 71.4194, 84.2866, 37.7040 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(235, 244, 141) }
```


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

```
.border{ border-color:rgb(235, 244, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 244, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 244, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 244, 141);  
box-shadow:4px 4px 4px 4px rgb(235, 244,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 71.4194, 84.2866, 37.7040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 244, 141) }
```

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

```
.background{ background-color: rgb(235,  
244, 141) }
```

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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