

Converting Colors

XYZ(72.1486, 84.8076, 51.5971)

Have a look what the booklet for
XYZ(72.1486, 84.8076, 51.5971)
contains.

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Color

**XYZ(72.0937, 84.7774,
51.5936)**

Conversions

Conversions Part 1

Format	Color
Hex	E4F5AC
RGB	228, 245, 172
RGB Percent	89%, 96%, 67%
CMY	0.1059, 0.0392, 0.3255
CMYK	0.07, 0.00, 0.30, 0.04
HSL	74°, 79%, 82%
HSV	74°, 30%, 96%
XYZ	72.0937, 84.7774, 51.5936
YIQ	231.5950, 13.3010, -26.3070

Conversions

Conversions Part 2

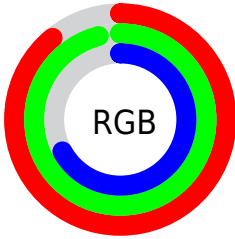
Format	Color
RYB	172, 245, 189
Decimal	15005100
CIELab	93.79, -17.23, 33.37
CIElCh	94, 37.552, 117.311
Yxy	84.7774, 0.3458, 0.4067
Android (android.graphics.Color)	4293195180 (0xFFE4F5AC)
YUV	231.5950, -29.3803, -3.1528
Hunter-Lab	92.0746, -21.3666, 31.2294

Details

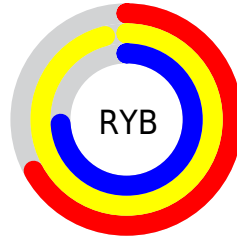
The XYZ color **72.0937, 84.7774, 51.5936** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **52.2236, 46.9187, 92.6948**, and the grayscale version is **76.6065, 80.5960, 87.7691**.

A 20% lighter version of the original color is **91.0036, 98.3814, 87.5919**, and **38.5406, 46.4978, 24.3964** is the 20% darker color. If you saturate the color by 10%, you get **68.1742, 83.0068, 40.2393**, and if you desaturate by 10%, it is **76.5111, 86.7599, 65.2389**.

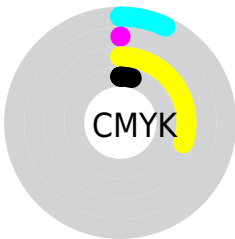
Distribution



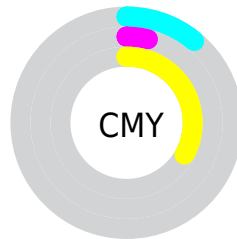
- Red (89%)
- Green (96%)
- Blue (67%)



- Red (67%)
- Yellow (96%)
- Blue (74%)



- Cyan (7%)
- Magenta (0%)
- Yellow (30%)
- Black (4%)




- Cyan (11%)
- Magenta (4%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.0937, 84.7774, 51.5936 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 72.0937, 84.7774, 51.5936 by changing the saturation by 10% instead.


 72.0937, 84.7774,
51.5936

 72.0937, 84.7774,
51.5936


457.0202,
510.8912, 409.7779

 53.5210, 63.6575,
36.3012


 121.1998,
140.0621, 93.9521

 38.4480, 46.3733,
24.3754


152.4639,
174.9957, 121.8553

 26.5093, 32.5405,
15.3976


188.6892,
215.3026, 154.7992

 17.3397, 21.7747,
8.9492

230.2409,
261.3673, 193.2023

 10.5738, 13.6914,
4.6117

277.4846,
313.5741, 237.4832

 5.8462, 7.9064,
1.9666

330.7854,

 2.7916, 4.0351,

372.3074, 288.0604

0.5346

390.5089,
437.9517, 345.3524

■ 1.0445, 1.6932,
0.0000

■ 0.0000, 0.4193,
0.0000

■ 72.0937, 84.7774,
51.5936

■ 72.0937, 84.7774,
51.5936

■ 68.1742, 83.0068,
40.2393

■ 76.5111, 86.7599,
65.2389

■ 64.7218, 81.4269,
31.0450

■ 81.4427, 88.9521,
81.2860

■ 61.7117, 80.0308,
23.8745

■ 86.9115, 91.3663,
99.8450

■ 59.1144, 78.8064,
18.5740

■ 90.4264, 93.0060,
107.7937

■ 56.8957, 77.7402,
14.9679

■ 91.9442, 93.7885,
107.8647

■ 55.0154, 76.8158,
12.8469

■ 53.4082, 76.0072,
11.8703

■ 53.3769, 75.9914,
11.8546

Harmonies

Analogous

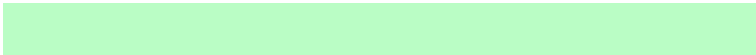
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.4817, 84.7774, 47.5879



72.0937, 84.7774, 51.5936



65.4884, 84.7774, 65.7031

Triad

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



72.0937, 84.7774, 51.5936



70.6559, 84.7774, 146.6931



101.2987, 84.7774, 94.9098

Complementary

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



72.0937, 84.7774, 51.5936



52.2236, 46.9187, 92.6948

Split Complementary

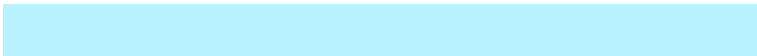
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.8247, 84.7774, 125.2712



72.0937, 84.7774, 51.5936



79.6817, 84.7774, 158.7777

Square

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



72.0937, 84.7774, 51.5936



64.7077, 84.7774, 119.8781



89.7039, 84.7774, 150.2313



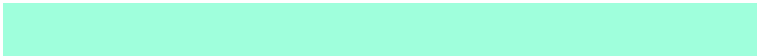
98.8526, 84.7774, 69.3268

Rectangle

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



72.0937, 84.7774, 51.5936



63.2758, 84.7774, 80.7588



89.7039, 84.7774, 150.2313



100.7784, 84.7774, 104.9093

Sweetspot

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



72.0959, 84.7812, 51.5954



89.6330, 97.6092, 90.4975



63.0497, 58.2817, 46.9573



19.0075, 20.8137, 18.7790



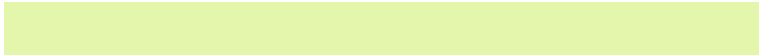
0.0000, 0.0000, 0.0000



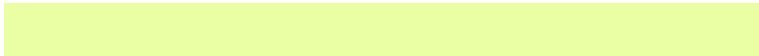
20.3446, 21.4041, 23.3091

Same Dimension

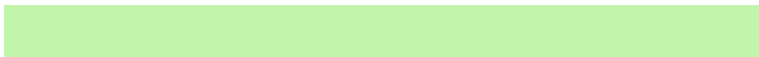
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.0959, 84.7812, 51.5954



76.1945, 91.5990, 48.4089



62.0134, 79.5834, 51.1236



17.5152, 19.1077, 17.5626



28.8815, 41.0017, 6.3919



2.6277, 3.6497, 0.5660

Inverse Universe

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



52.2236, 46.9187, 92.6948



51.0901, 43.7481, 100.3592



62.0756, 51.9976, 93.1559



15.9424, 16.1130, 20.8124



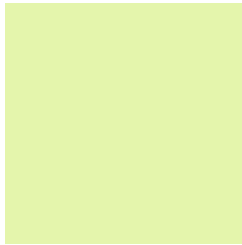
9.8904, 4.0730, 46.8029



0.9563, 0.4028, 4.1176

Previews

White Background



This preview shows how the XYZ color 72.0937, 84.7774, 51.5936 looks on a white background.

Color Contrast Check

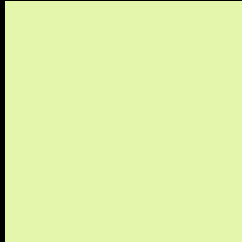
Large Text (above 18pt) WCAG AA × Fail

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 72.0937, 84.7774, 51.5936 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

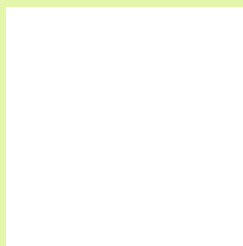
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.0937, 84.7774, 51.5936

Background



This preview shows how black text looks on a background with the XYZ color 72.0937, 84.7774, 51.5936.

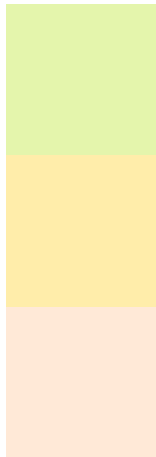


This preview shows how white text looks on a background with the XYZ color 72.0937, 84.7774,

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

72.0937, 84.7774, 51.5936

Protanopia

78.7799, 84.7307, 50.2327

Deuteranopia

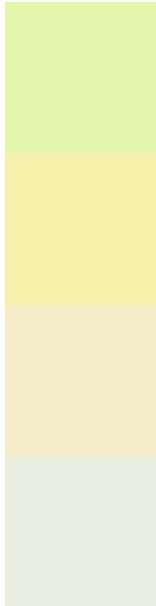
82.6447, 84.4441, 76.2335



Tritanopia

83.0346, 84.8592, 104.9316

Trichromacy



Original Color

72.0937, 84.7774, 51.5936

Protanomaly

76.1670, 84.6729, 50.8572

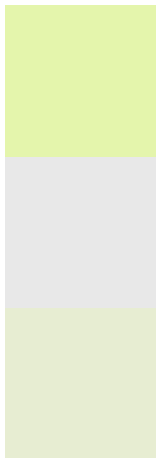
Deuteranomaly

78.2492, 84.1044, 66.1424

Tritanomaly

78.5820, 84.7770, 82.7429

Monochromacy



Original Color

72.0937, 84.7774, 51.5936

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

74.8720, 82.2104, 72.8948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.0937, 84.7774, 51.5936 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(228, 245, 172) looks like.

```
.text, #text, p{  
    color:rgb(228, 245, 172)  
}
```

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(228, 245, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 245, 172) }
```

Border

The CSS property to change the border of an element to XYZ 72.0937, 84.7774, 51.5936 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(228, 245, 172) }
```


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

```
.border{ border-color:rgb(228, 245, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 245, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 245, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 245, 172);  
box-shadow:4px 4px 4px 4px rgb(228, 245,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 72.0937, 84.7774, 51.5936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 245, 172) }
```

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

```
.background{ background-color: rgb(228,  
245, 172) }
```

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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