

Converting Colors

XYZ(71.2292, 83.8123, 50.2500)

Have a look what the booklet for
XYZ(71.2292, 83.8123, 50.2500)
contains.

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Color

**XYZ(71.2849, 83.9345,
50.4741)**

Conversions

Conversions Part 1

Format	Color
Hex	E3F4AA
RGB	227, 244, 170
RGB Percent	89%, 96%, 67%
CMY	0.1098, 0.0431, 0.3333
CMYK	0.07, 0.00, 0.30, 0.04
HSL	74°, 77%, 81%
HSV	74°, 30%, 96%
XYZ	71.2849, 83.9345, 50.4741
YIQ	230.4810, 13.6220, -26.6180

Conversions

Conversions Part 2

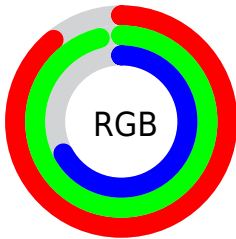
Format	Color
RYB	170, 244, 187
Decimal	14939306
CIELab	93.42, -17.37, 33.87
CIELCh	93, 38.065, 117.146
Yxy	83.9345, 0.3466, 0.4081
Android (android.graphics.Color)	4293129386 (0xFFE3F4AA)
YUV	230.4810, -29.8171, -3.0528
Hunter-Lab	91.6158, -21.4394, 31.4663

Details

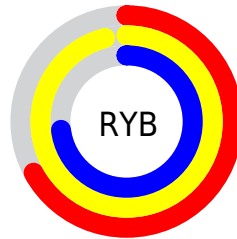
The XYZ color **71.2849, 83.9345, 50.4741** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **51.2007, 45.8482, 91.7437**, and the grayscale version is **75.7791, 79.7255, 86.8211**.

A 20% lighter version of the original color is **90.7275, 98.2710, 86.1379**, and **37.9887, 45.9087, 23.6887** is the 20% darker color. If you saturate the color by 10%, you get **67.4485, 82.2018, 39.3436**, and if you desaturate by 10%, it is **75.6116, 85.8757, 63.8671**.

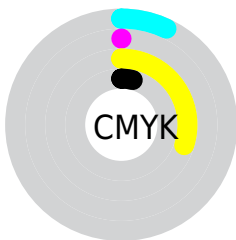
Distribution



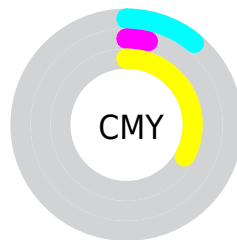
- Red (89%)
- Green (96%)
- Blue (67%)



- Red (67%)
- Yellow (96%)
- Blue (73%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.2849, 83.9345, 50.4741 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 71.2849, 83.9345, 50.4741 by changing the saturation by 10% instead.


 71.2849, 83.9345,
50.4741

 71.2849, 83.9345,
50.4741


454.2451,
508.0957, 405.3051

 52.8581, 62.9614,
35.4164


 120.0556,
138.8835, 92.2805

 37.9165, 45.8099,
23.6977


151.1302,
173.6282, 119.8662

 26.0948, 32.0959,
14.8994


187.1515,
213.7322, 152.4651

 17.0276, 21.4347,
8.6030

228.4848,
259.5800, 190.4956

 10.3496, 13.4422,
4.3899

275.4954,
311.5558, 234.3764

 5.6954, 7.7337,
1.8416

328.5488,

 2.6997, 3.9250,

370.0441, 284.5258

0.4552

388.0102,
435.4292, 341.3626

■ 0.9970, 1.6317,
0.0000

■ 0.0000, 0.3788,
0.0000

■ 71.2849, 83.9345,
50.4741

■ 71.2849, 83.9345,
50.4741

■ 67.4485, 82.2018,
39.3436

■ 75.6116, 85.8757,
63.8671

■ 64.0717, 80.6567,
30.3453

■ 80.4448, 88.0233,
79.6327

■ 61.1302, 79.2922,
23.3436

■ 85.8074, 90.3895,
97.8802

■ 58.5941, 78.0964,
18.1854

■ 89.6224, 92.1435,
107.6696

■ 56.4298, 77.0556,
14.6953

■ 91.6425, 93.1849,
107.7642

■ 54.5968, 76.1537,
12.6640

■ 53.0754, 75.3880,
11.7540

Harmonies

Analogous

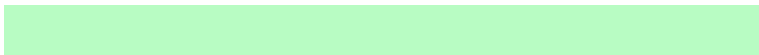
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.7430, 83.9345, 46.5262



71.2849, 83.9345, 50.4741



64.6263, 83.9345, 64.5447

Triad

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



71.2849, 83.9345, 50.4741



69.7504, 83.9345, 146.1826



100.6658, 83.9345, 94.1730

Complementary

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



71.2849, 83.9345, 50.4741



51.2007, 45.8482, 91.7437

Split Complementary

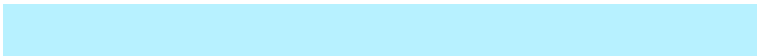
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.1284, 83.9345, 124.8060



71.2849, 83.9345, 50.4741



78.8192, 83.9345, 158.5223

Square

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



71.2849, 83.9345, 50.4741



63.7940, 83.9345, 119.0245



88.9186, 83.9345, 149.9828



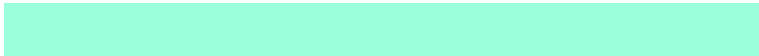
98.2293, 83.9345, 68.4032

Rectangle

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



71.2849, 83.9345, 50.4741



62.3885, 83.9345, 79.6275



88.9186, 83.9345, 149.9828



100.1295, 83.9345, 104.2581

Sweetspot

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



71.2870, 83.9382, 50.4759



89.6589, 97.6225, 90.4987



62.1328, 57.2697, 45.8108



19.0139, 20.8170, 18.7793



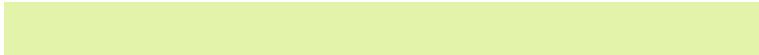
0.0000, 0.0000, 0.0000



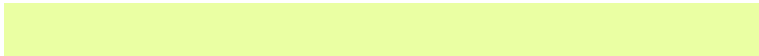
20.3446, 21.4041, 23.3091

Same Dimension

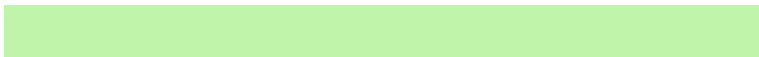
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.2870, 83.9382, 50.4759



76.2893, 91.6478, 48.4133



61.0867, 78.6798, 49.9985



17.5206, 19.1104, 17.5628



28.9830, 41.0541, 6.3967



2.6358, 3.6539, 0.5663

Inverse Universe

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



51.2007, 45.8482, 91.7437



51.0207, 43.7123, 100.3560



61.1484, 50.9764, 92.2092



15.9374, 16.1104, 20.8122



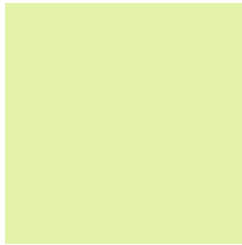
9.8658, 4.0603, 46.8018



0.9535, 0.4014, 4.1175

Previews

White Background



This preview shows how the XYZ color 71.2849, 83.9345, 50.4741 looks on a white background.

Color Contrast Check

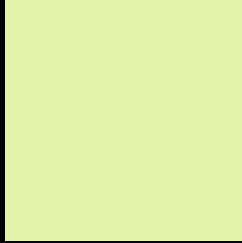
Large Text (above 18pt) WCAG AA × Fail

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 71.2849, 83.9345, 50.4741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

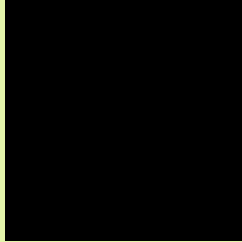
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

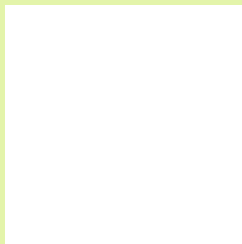
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.2849, 83.9345, 50.4741

Background



This preview shows how black text looks on a background with the XYZ color 71.2849, 83.9345, 50.4741.

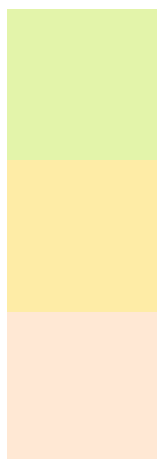


This preview shows how white text looks on a background with the XYZ color 71.2849, 83.9345,

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

71.2849, 83.9345, 50.4741

Protanopia

77.7514, 83.8149, 48.1563

Deuteranopia

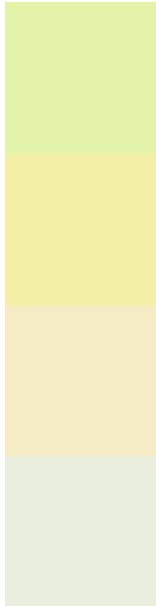
81.9803, 83.7267, 74.1274



Tritanopia

82.2534, 84.0511, 103.9837

Trichromacy



Original Color

71.2849, 83.9345, 50.4741

Protanomaly

75.1498, 83.7561, 48.7649

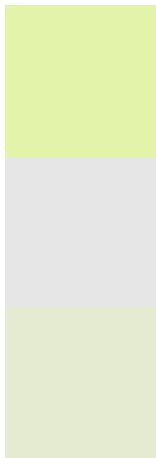
Deuteranomaly

77.7297, 83.4346, 64.8310

Tritanomaly

77.6910, 83.9154, 81.2098

Monochromacy



Original Color

71.2849, 83.9345, 50.4741

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

73.4066, 80.6287, 71.3685

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.2849, 83.9345, 50.4741 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(227, 244, 170)` looks like.

```
.text, #text, p{  
    color:rgb(227, 244, 170)  
}
```

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(227, 244, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 244, 170) }
```

Border

The CSS property to change the border of an element to XYZ 71.2849, 83.9345, 50.4741 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(227, 244, 170) }
```


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

```
.border{ border-color:rgb(227, 244, 170) }
```

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

Here you see how a box with a 4 pixel rgb(227, 244, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 244, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 244, 170);  
box-shadow:4px 4px 4px 4px rgb(227, 244,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 71.2849, 83.9345, 50.4741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 244, 170) }
```

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

```
.background{ background-color: rgb(227,  
244, 170) }
```

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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