

Converting Colors

XYZ(83.7865, 100.0000,
52.5504)

Have a look what the booklet for
XYZ(83.7865, 100.0000, 52.5504)
contains.

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Color

**XYZ(80.5776, 93.7971,
51.3939)**

Conversions

Conversions Part 1

Format	Color
Hex	F5FFA9
RGB	245, 255, 169
RGB Percent	96%, 100%, 66%
CMY	0.0392, 0.0000, 0.3372
CMYK	0.04, 0.00, 0.34, 0.00
HSL	67°, 100%, 83%
HSV	67°, 34%, 100%
XYZ	80.5776, 93.7971, 51.3939
YIQ	242.2060, 21.6460, -28.8660

Conversions

Conversions Part 2

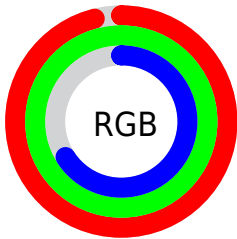
Format	Color
RYB	169, 255, 179
Decimal	16121769
CIELab	97.55, -16.22, 40.06
CIELCh	98, 43.215, 112.047
Yxy	93.7971, 0.3569, 0.4155
Android (android.graphics.Color)	4294311849 (0xFFFF5FFA9)
YUV	242.2060, -36.0906, 2.4503
Hunter-Lab	96.8489, -20.9748, 36.3314

Details

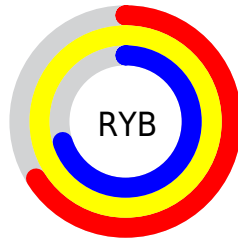
The XYZ color **80.5776, 93.7971, 51.3939** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **50.8295, 45.1810, 100.6495**, and the grayscale version is **84.8252, 89.2427, 97.1853**.

A 20% lighter version of the original color is **90.5906, 98.2162, 85.4172**, and **44.0855, 52.3405, 24.3022** is the 20% darker color. If you saturate the color by 10%, you get **77.3860, 92.4018, 39.9434**, and if you desaturate by 10%, it is **84.2532, 95.3878, 65.3065**.

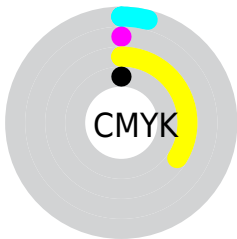
Distribution



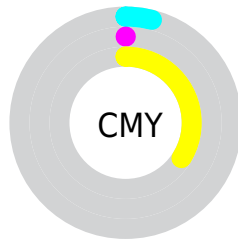
- Red (96%)
- Green (100%)
- Blue (66%)



- Red (66%)
- Yellow (100%)
- Blue (70%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.5776, 93.7971, 51.3939 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 80.5776, 93.7971, 51.3939 by changing the saturation by 10% instead.


 80.5776, 93.7971,
51.3939

 80.5776, 93.7971,
51.3939


485.5842,
540.3068, 408.9824

 60.5039, 71.1342,
36.1433


 133.1238,
152.6017, 93.6542

 44.0759, 52.4517,
24.2543


166.3269,
189.5122, 121.5010

 30.9284, 37.3653,
15.3084


204.6373,
231.9407, 154.3836

 20.6959, 25.4904,
8.8871

248.4201,
280.2716, 192.7205

 13.0131, 16.4428,
4.5718

298.0409,
334.8892, 236.9303

 7.5146, 9.8380,
1.9440

353.8650,

 3.8351, 5.2917,

396.1781, 287.4315

0.5205

416.2576,
464.5225, 344.6427

■ 1.6093, 2.4194,
0.0000

■ 0.3985, 0.8359,
0.0000

■ 80.5776, 93.7971,
51.3939

■ 80.5776, 93.7971,
51.3939

■ 77.3860, 92.4018,
39.9434

■ 84.2532, 95.3878,
65.3065

■ 74.6503, 91.1909,
30.8075

■ 88.4372, 97.1838,
81.8092

■ 72.3406, 90.1523,
23.8292

■ 93.1532, 99.1945,
101.0258

■ 70.4229, 89.2724,
18.8302

95.0500, 100.0000,
108.9000

■ 68.8581, 88.5354,
15.6040

■ 67.5980, 87.9223,
13.8982

■ 66.9199, 87.5835,
13.3783

Harmonies

Analogous

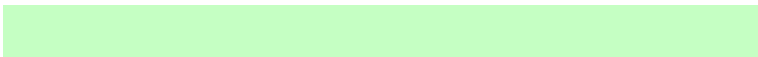
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.4588, 93.7971, 48.7242



80.5776, 93.7971, 51.3939



71.7969, 93.7971, 65.9261

Triad

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



80.5776, 93.7971, 51.3939



75.4022, 93.7971, 165.2781



114.6439, 93.7971, 111.7753

Complementary

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



80.5776, 93.7971, 51.3939



50.8295, 45.1810, 100.6495

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.



109.0986, 93.7971, 149.6256



80.5776, 93.7971, 51.3939



85.9237, 93.7971, 184.8200

Square

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



80.5776, 93.7971, 51.3939



69.0057, 93.7971, 129.6773



98.3126, 93.7971, 178.5149



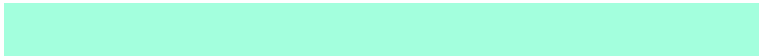
112.8796, 93.7971, 78.7879

Rectangle

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



80.5776, 93.7971, 51.3939



68.5204, 93.7971, 82.6689



98.3126, 93.7971, 178.5149



113.5562, 93.7971, 124.4260

Sweetspot

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



80.5779, 93.7972, 51.3952



90.1303, 97.9071, 88.6429



64.2431, 55.8075, 44.9234



19.1530, 20.8970, 18.4117



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

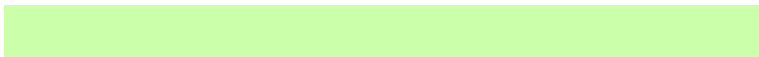
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.5779, 93.7972, 51.3952



78.5200, 92.8994, 43.9299



67.6598, 87.1376, 50.7906



19.3410, 20.9772, 19.1740



35.0499, 45.8070, 6.9943



3.4691, 4.4892, 0.6837

Inverse Universe

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



50.8295, 45.1810, 100.6495



44.9293, 37.9869, 99.5719



61.9359, 50.9065, 101.1693



17.1991, 17.4789, 22.7172



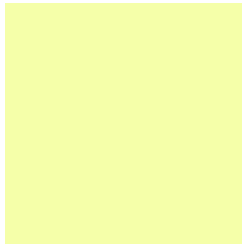
9.7677, 3.9459, 49.6814



1.0111, 0.4152, 4.8401

Previews

White Background



This preview shows how the XYZ color 80.5776, 93.7971, 51.3939 looks on a white background.

Color Contrast Check

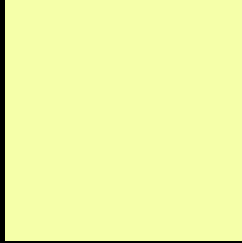
Large Text (above 18pt) WCAG AA × Fail

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 80.5776, 93.7971, 51.3939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

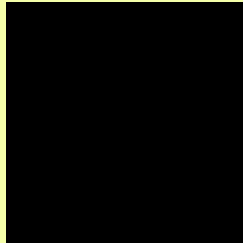
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.5776, 93.7971, 51.3939

Background



This preview shows how black text looks on a background with the XYZ color 80.5776, 93.7971, 51.3939.



This preview shows how white text looks on a background with the XYZ color 80.5776, 93.7971,

Color Blindness Simulation

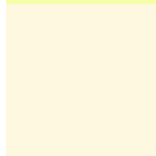
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



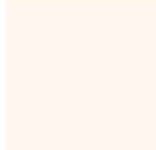
Original Color

80.5776, 93.7971, 51.3939



Protanopia

88.2619, 93.7766, 83.9698



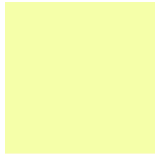
Deuteranopia

89.7758, 93.4035, 94.9583

Tritanopia

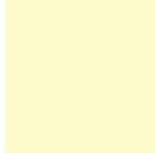
91.1507, 93.8270, 107.9140

Trichromacy



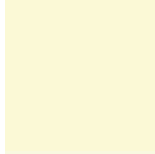
Original Color

80.5776, 93.7971, 51.3939



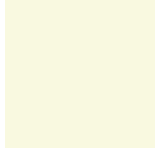
Protanomaly

85.1799, 93.8632, 70.7547



Deuteranomaly

85.7969, 93.1156, 77.0695



Tritanomaly

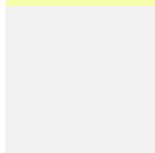
86.3971, 93.2729, 83.9709

Monochromacy



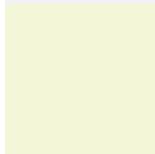
Original Color

80.5776, 93.7971, 51.3939



Achromatopsia

84.3971, 88.7923, 96.6948



Achromatomaly

82.4887, 90.4825, 77.4072

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.5776, 93.7971, 51.3939 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(245, 255, 169)` looks like.

```
.text, #text, p{  
    color:rgb(245, 255, 169)  
}
```

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(245, 255, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 255, 169) }
```

Border

The CSS property to change the border of an element to XYZ 80.5776, 93.7971, 51.3939 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(245, 255, 169) }
```


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

```
.border{ border-color:rgb(245, 255, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 255, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 255, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 255, 169);  
box-shadow:4px 4px 4px 4px rgb(245, 255,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 80.5776, 93.7971, 51.3939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 255, 169) }
```

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

```
.background{ background-color: rgb(245,  
255, 169) }
```

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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