

Converting Colors

XYZ(84.6238, 100.0000,
52.9627)

Have a look what the booklet for
XYZ(84.6238, 100.0000, 52.9627)
contains.

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Color

**XYZ(81.7271, 94.3787,
51.9397)**

Conversions

Conversions Part 1

Format	Color
Hex	F8FFAA
RGB	248, 255, 170
RGB Percent	97%, 100%, 67%
CMY	0.0275, 0.0000, 0.3333
CMYK	0.03, 0.00, 0.33, 0.00
HSL	65°, 100%, 83%
HSV	65°, 33%, 100%
XYZ	81.7271, 94.3787, 51.9397
YIQ	243.2170, 23.1130, -27.9190

Conversions

Conversions Part 2

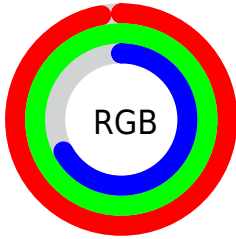
Format	Color
RYB	170, 255, 177
Decimal	16318378
CIELab	97.78, -14.99, 39.91
CIELCh	98, 42.632, 110.588
Yxy	94.3787, 0.3584, 0.4139
Android (android.graphics.Color)	4294508458 (0xFFF8FFAA)
YUV	243.2170, -36.0960, 4.1947
Hunter-Lab	97.1487, -19.8457, 36.3052

Details

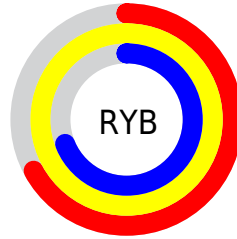
The XYZ color **81.7271, 94.3787, 51.9397** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **50.5573, 45.3179, 100.6903**, and the grayscale version is **85.6289, 90.0882, 98.1061**.

A 20% lighter version of the original color is **90.7275, 98.2710, 86.1379**, and **44.8908, 52.7489, 24.6452** is the 20% darker color. If you saturate the color by 10%, you get **78.8036, 93.1238, 40.4088**, and if you desaturate by 10%, it is **85.1275, 95.8254, 65.9377**.

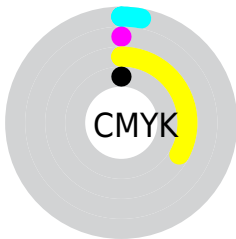
Distribution



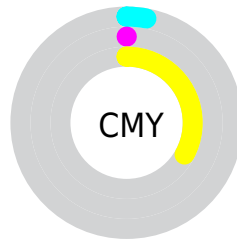
- Red (97%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (69%)



- Cyan (3%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (3%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.7271, 94.3787, 51.9397 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 81.7271, 94.3787, 51.9397 by changing the saturation by 10% instead.


 81.7271, 94.3787,
51.9397

 81.7271, 94.3787,
51.9397

489.3827,
542.1740, 411.1541

 61.4540, 71.6180,
36.5751


 134.7291,
153.4060, 94.4680

 44.8456, 52.8467,
24.5855


168.1886,
190.4413, 122.4687

 31.5366, 37.6804,
15.5523

206.7743,
233.0036, 155.5186

 21.1616, 25.7347,
9.0570

250.8515,
281.4774, 194.0362

 13.3553, 16.6253,
4.6811

300.7856,
336.2469, 238.4400

 7.7523, 9.9677,
2.0059

356.9419,

 3.9874, 5.3775,

397.6966, 289.1486

0.5589

419.6859,
466.2108, 346.5804

■ 1.6950, 2.4704,
0.0000

■ 0.4531, 0.8618,
0.0000

■ 81.7271, 94.3787,
51.9397

■ 81.7271, 94.3787,
51.9397

■ 78.8036, 93.1238,
40.4088

■ 85.1275, 95.8254,
65.9377

■ 76.3289, 92.0494,
31.1980

■ 89.0289, 97.4735,
82.5304

■ 74.2733, 91.1435,
24.1509

■ 93.4549, 99.3323,
101.8413

■ 72.6031, 90.3928,
19.0902

95.0500, 100.0000,
108.9000

■ 71.2793, 89.7815,
15.8107

■ 70.2545, 89.2909,
14.0625

■ 69.6917, 89.0124,
13.5080

Harmonies

Analogous

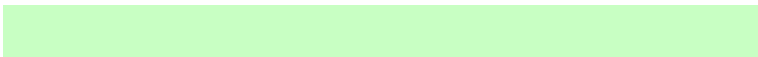
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.5842, 94.3787, 49.8264



81.7271, 94.3787, 51.9397



72.8176, 94.3787, 65.8265

Triad

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



81.7271, 94.3787, 51.9397



75.6569, 94.3787, 163.6992



114.8175, 94.3787, 114.1122

Complementary

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



81.7271, 94.3787, 51.9397



50.5573, 45.3179, 100.6903

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.



109.0182, 94.3787, 151.4353



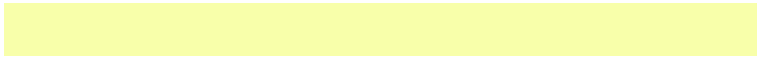
81.7271, 94.3787, 51.9397



85.9328, 94.3787, 184.0373

Square

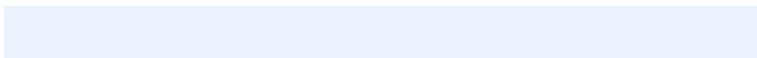
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



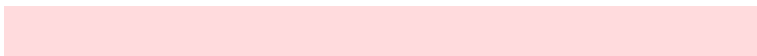
81.7271, 94.3787, 51.9397



69.5391, 94.3787, 128.1668



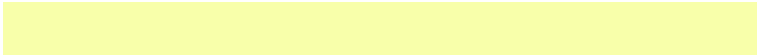
98.1840, 94.3787, 179.1022



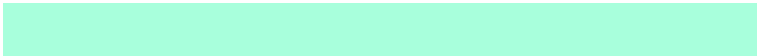
113.4331, 94.3787, 80.9584

Rectangle

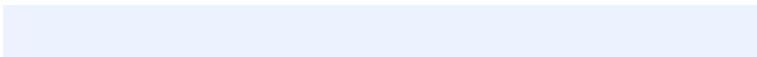
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.7271, 94.3787, 51.9397



69.4006, 94.3787, 82.0655



98.1840, 94.3787, 179.1022



113.6252, 94.3787, 126.6756

Sweetspot

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



81.7274, 94.3789, 51.9410



90.4444, 98.0690, 88.6576



63.9565, 55.0835, 45.2929



19.2295, 20.9364, 18.4153



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

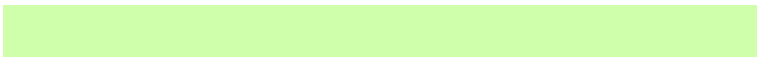
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.7274, 94.3789, 51.9410



79.7266, 93.5214, 43.9864



68.7020, 87.6640, 51.3314



19.4049, 21.0102, 19.1770



36.4770, 46.5427, 7.0611



3.5935, 4.5533, 0.6895

Inverse Universe

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



50.5573, 45.3179, 100.6903



44.2199, 37.6212, 99.5387



61.3889, 50.9018, 101.1972



17.1416, 17.4492, 22.7145



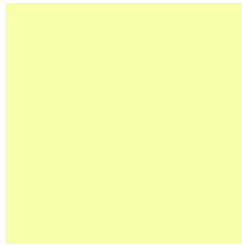
9.6410, 3.8806, 49.6755



0.9840, 0.4012, 4.8388

Previews

White Background



This preview shows how the XYZ color 81.7271, 94.3787, 51.9397 looks on a white background.

Color Contrast Check

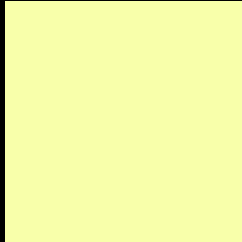
Large Text (above 18pt) WCAG AA × Fail

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 81.7271, 94.3787, 51.9397 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

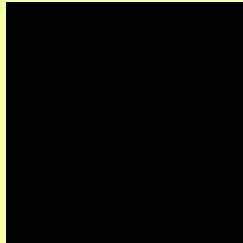
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.7271, 94.3787, 51.9397

Background



This preview shows how black text looks on a background with the XYZ color 81.7271, 94.3787, 51.9397.

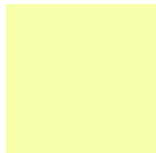


This preview shows how white text looks on a background with the XYZ color 81.7271, 94.3787,

Color Blindness Simulation

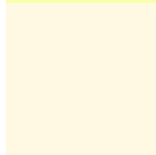
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



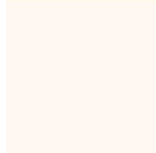
Original Color

81.7271, 94.3787, 51.9397



Protanopia

88.6725, 93.9409, 86.1319



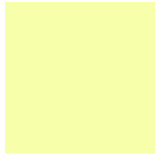
Deuteranopia

90.3779, 94.1324, 96.6250

Tritanopia

91.8788, 94.2024, 107.9481

Trichromacy



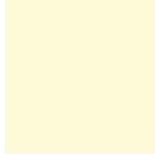
Original Color

81.7271, 94.3787, 51.9397



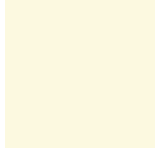
Protanomaly

85.7826, 94.1460, 72.0433



Deuteranomaly

86.5962, 93.9730, 77.8645



Tritanomaly

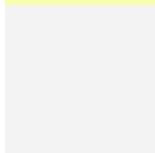
87.4751, 93.8286, 84.0213

Monochromacy



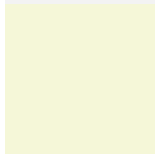
Original Color

81.7271, 94.3787, 51.9397



Achromatopsia

85.1904, 89.6269, 97.6037



Achromatomaly

83.3116, 90.8919, 78.1186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.7271, 94.3787, 51.9397 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(248, 255, 170)` looks like.

```
.text, #text, p{  
    color:rgb(248, 255, 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(248, 255, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 255, 170) }
```

Border

The CSS property to change the border of an element to XYZ 81.7271, 94.3787, 51.9397 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(248, 255, 170) }
```


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

```
.border{ border-color:rgb(248, 255, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 255, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 255, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 255, 170);  
box-shadow:4px 4px 4px 4px rgb(248, 255,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 81.7271, 94.3787, 51.9397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 255, 170) }
```

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

```
.background{ background-color: rgb(248,  
255, 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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