

# Converting Colors

XYZ(84.1481, 100.0000,  
44.2349)

Have a look what the booklet for  
XYZ(84.1481, 100.0000, 44.2349)  
contains.

|  |    |
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# Color

**XYZ(81.4908, 94.4498,  
43.2138)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | FCFF97                      |
| RGB         | 252, 255, 151               |
| RGB Percent | 99%, 100%, 59%              |
| CMY         | 0.0118, 0.0000, 0.4078      |
| CMYK        | 0.01, 0.00, 0.41, 0.00      |
| HSL         | 62°, 100%, 80%              |
| HSV         | 62°, 41%, 100%              |
| XYZ         | 81.4908, 94.4498, 43.2138   |
| YIQ         | 242.2470, 31.5960, -32.9800 |

# Conversions

## Conversions Part 2

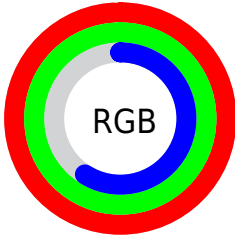
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 151, 255, 154                 |
| Decimal                             | 16580503                      |
| CIE <sub>Lab</sub>                  | 97.81, -15.57, 49.25          |
| CIE <sub>LCh</sub>                  | 98, 51.655, 107.547           |
| Yxy                                 | 94.4498, 0.3718,<br>0.4310    |
| Android<br>(android.graphics.Color) | 4294770583<br>(0xFFFCFF97)    |
| YUV                                 | 242.2470, -44.9848,<br>8.5534 |
| Hunter-Lab                          | 97.1853, -20.4003,<br>41.6662 |

# Details

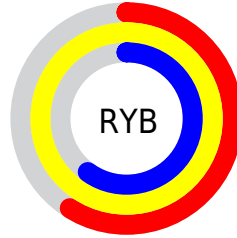
The XYZ color **81.4908, 94.4498, 43.2138** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **42.4441, 36.2245, 99.3627**, and the grayscale version is **84.9204, 89.3429, 97.2944**.

A 20% lighter version of the original color is **88.2625, 97.2850, 73.1574**, and **44.6468, 52.7393, 19.3818** is the 20% darker color. If you saturate the color by 10%, you get **79.3728, 93.5719, 33.4487**, and if you desaturate by 10%, it is **84.0581, 95.5076, 55.3402**.

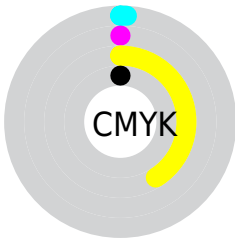
# Distribution



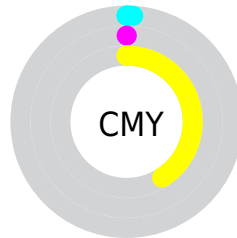
- Red (99%)
- Green (100%)
- Blue (59%)



- Red (59%)
- Yellow (100%)
- Blue (60%)



- Cyan (1%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)




- Cyan (1%)
- Magenta (0%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.4908, 94.4498, 43.2138 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 81.4908, 94.4498, 43.2138 by changing the saturation by 10% instead.





 81.4908, 94.4498,  
43.2138

 81.4908, 94.4498,  
43.2138


488.6032,  
542.4021, 375.4373

 61.2586, 71.6771,  
29.7203


 134.3993,  
153.5043, 81.3232

 44.6872, 52.8950,  
19.3761


 167.8062,  
190.5548, 106.7762

 31.4114, 37.7189,  
11.7628


206.3354,  
233.1335, 137.0527

 21.0656, 25.7646,  
6.4618

250.3523,  
281.6247, 172.5712

 13.2847, 16.6476,  
3.0546

300.2221,  
336.4127, 213.7505

 7.7033, 9.9836,  
1.1226

356.3103,

 3.9559, 5.3881,

397.8820, 261.0088

0.0000

418.9822,  
466.4170, 314.7649

■ 1.6772, 2.4767,  
0.0000

■ 0.4419, 0.8649,  
0.0000

■ 81.4908, 94.4498,  
43.2138

■ 81.4908, 94.4498,  
43.2138

■ 79.3728, 93.5719,  
33.4487

■ 84.0581, 95.5076,  
55.3402

■ 77.6745, 92.8620,  
25.8876

■ 87.1008, 96.7556,  
69.9640

■ 76.3633, 92.3070,  
20.3600

■ 90.6435, 98.2037,  
87.2154

■ 75.4018, 91.8921,  
16.6689

■ 94.7089, 99.8611,  
107.2145

■ 74.7454, 91.5992, 95.0500, 100.0000,  
14.5782 108.9000

■ 74.3452, 91.4114,  
13.7258

# Harmonies

## Analogous

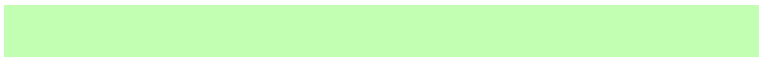
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.0267, 94.4498, 42.1742



81.4908, 94.4498, 43.2138



70.4320, 94.4498, 57.1846

# Triad

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



81.4908, 94.4498, 43.2138



71.9588, 94.4498, 175.1541



120.4069, 94.4498, 121.3659

# Complementary

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



81.4908, 94.4498, 43.2138



42.4441, 36.2245, 99.3627

# 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.



112.3625, 94.4498, 167.9757



81.4908, 94.4498, 43.2138



83.7944, 94.4498, 204.2746

# Square

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



81.4908, 94.4498, 43.2138



65.3571, 94.4498, 129.3193



98.5954, 94.4498, 201.3370



119.6153, 94.4498, 80.2466

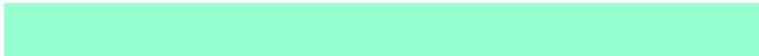


# Rectangle

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



81.4908, 94.4498, 43.2138



66.0314, 94.4498, 74.8357



98.5954, 94.4498, 201.3370



118.6128, 94.4498, 137.0808

# Sweetspot

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



81.4910, 94.4499, 43.2151



90.1849, 98.0165, 84.9716



58.1743, 46.1907, 35.1290



19.1997, 20.9373, 17.6815



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

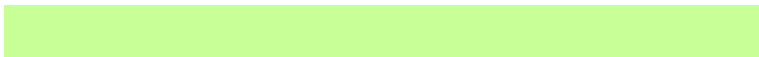
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.4910, 94.4499, 43.2151



79.7189, 93.7158, 35.0240



65.5057, 86.2092, 42.4670



19.5064, 21.0625, 19.1817



38.8702, 47.7764, 7.1731



3.8004, 4.6599, 0.6992



# Inverse Universe

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



42.4441, 36.2245, 99.3627



35.8158, 28.2386, 98.1706



54.2208, 42.2957, 99.9139



17.0514, 17.4027, 22.7103



9.5006, 3.8082, 49.6689

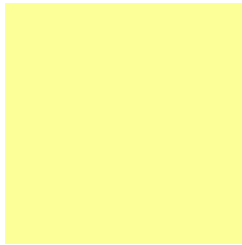


0.9413, 0.3792, 4.8368



# Previews

## White Background



This preview shows how the XYZ color 81.4908, 94.4498, 43.2138 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 81.4908, 94.4498, 43.2138 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

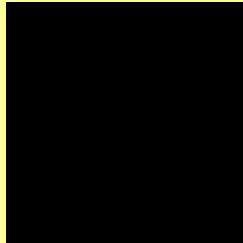
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 81.4908, 94.4498, 43.2138**

## **Background**



This preview shows how black text looks on a background with the XYZ color 81.4908, 94.4498, 43.2138.



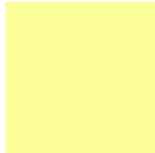
This preview shows how white text looks on a background with the XYZ color 81.4908, 94.4498,



# Color Blindness Simulation

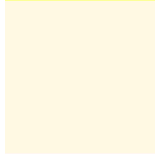
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



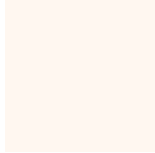
### Original Color

81.4908, 94.4498, 43.2138



### Protanopia

88.9808, 94.5574, 86.2347



### Deuteranopia

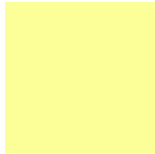
90.2289, 94.0728, 95.8404



## Tritanopia

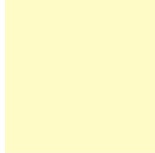
92.0852, 94.3273, 107.1195

# Trichromacy



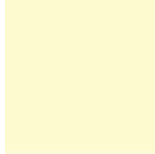
## Original Color

81.4908, 94.4498, 43.2138



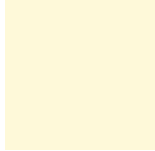
## Protanomaly

85.6790, 94.1887, 67.6973



## Deuteranomaly

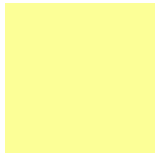
86.4438, 93.9961, 73.2615



## Tritanomaly

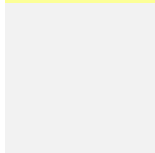
87.2731, 93.8319, 79.1572

# Monochromacy



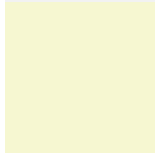
## Original Color

81.4908, 94.4498, 43.2138



## Achromatopsia

84.3971, 88.7923, 96.6948



## Achromatomaly

82.7754, 90.7178, 73.4692

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.4908, 94.4498, 43.2138 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(252, 255, 151)` looks like.

```
.text, #text, p{  
    color:rgb(252, 255, 151)  
}
```

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(252, 255, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 255, 151) }
```

## Border

The CSS property to change the border of an element to XYZ 81.4908, 94.4498, 43.2138 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(252, 255, 151) }
```



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

```
.border{ border-color:rgb(252, 255, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 255, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 255, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 255, 151);  
box-shadow:4px 4px 4px 4px rgb(252, 255,  
151) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.4908, 94.4498, 43.2138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 255, 151) }
```

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

```
.background{ background-color: rgb(252,  
255, 151) }
```

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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