

# Converting Colors

XYZ(82.7531, 94.6339, 64.3574)

Have a look what the booklet for  
XYZ(82.7531, 94.6339, 64.3574)  
contains.

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# Color

**XYZ(82.6939, 94.6034,  
64.3539)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4FFC1
RGB	244, 255, 193
RGB Percent	96%, 100%, 76%
CMY	0.0431, 0.0000, 0.2431
CMYK	0.04, 0.00, 0.24, 0.00
HSL	71°, 100%, 88%
HSV	71°, 24%, 100%
XYZ	82.6939, 94.6034, 64.3539
YIQ	244.6430, 13.3460, -21.6140

# Conversions

## Conversions Part 2

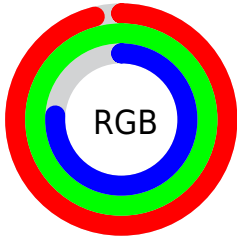
<b>Format</b>	<b>Color</b>
<b>RYB</b>	193, 255, 204
Decimal	16056257
CIELab	97.87, -13.51, 28.49
CIELCh	98, 31.535, 115.373
Yxy	94.6034, 0.3422, 0.3915
Android (android.graphics.Color)	4294246337 (0xFFFF4FFC1)
YUV	244.6430, -25.4600, -0.5639
Hunter-Lab	97.2643, -18.4521, 28.8564

# Details

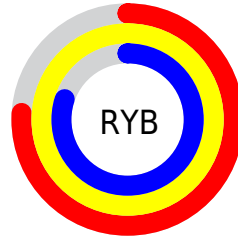
The XYZ color **82.6939, 94.6034, 64.3539** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **62.0227, 58.1985, 102.5722**, and the grayscale version is **86.6939, 91.2087, 99.3263**.

A 20% lighter version of the original color is **94.2553, 99.6821, 104.7153**, and **45.3478, 52.8170, 32.2307** is the 20% darker color. If you saturate the color by 10%, you get **78.5393, 92.7624, 50.5686**, and if you desaturate by 10%, it is **87.3784, 96.6608, 80.7268**.

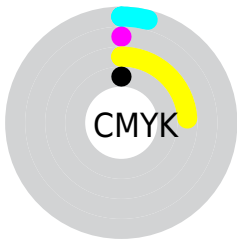
# Distribution



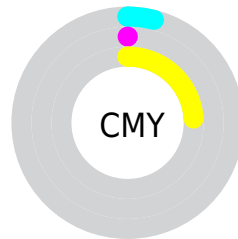
- Red (96%)
- Green (100%)
- Blue (76%)



- Red (76%)
- Yellow (100%)
- Blue (80%)



- Cyan (4%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)




- Cyan (4%)
- Magenta (0%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.6939, 94.6034, 64.3539 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 82.6939, 94.6034, 64.3539 by changing the saturation by 10% instead.




 82.6939, 94.6034,  
64.3539

 82.6939, 94.6034,  
64.3539


492.5652,  
542.8945, 458.7090

 62.2537, 71.8049,  
46.4894


 136.0774,  
153.7166, 112.7248

 45.4941, 52.9993,  
32.2807


169.7515,  
190.8001, 144.0683

 32.0497, 37.8022,  
21.3094


208.5675,  
233.4140, 180.7418

 21.5552, 25.8292,  
13.1569

252.8909,  
281.9428, 223.1639

 13.6452, 16.6959,  
7.4047

303.0870,  
336.7709, 271.7531

 7.9544, 10.0179,  
3.6342

359.5212,

 4.1173, 5.4109,

398.2826, 326.9280

1.4269

422.5588,  
466.8623, 389.1071

■ 1.7687, 2.4903,  
0.1626

■ 0.4987, 0.8718,  
0.0000

■ 82.6939, 94.6034,  
64.3539

■ 82.6939, 94.6034,  
64.3539

■ 78.5393, 92.7624,  
50.5686

■ 87.3784, 96.6608,  
80.7268

■ 74.8879, 91.1271,  
39.2344

■ 92.6153, 98.9436,  
99.8064

■ 71.7125, 89.6866,  
30.2082

95.0500, 100.0000,  
108.9000

■ 68.9824, 88.4286,  
23.3307

■ 66.6634, 87.3394,  
18.4223

■ 64.7155, 86.4029,  
15.2742

■ 63.0899, 85.5995,  
13.6307

■ 62.2698, 85.1863,  
13.1606

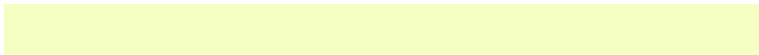
# Harmonies

## Analogous

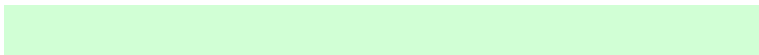
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.3231, 94.6034, 61.0320



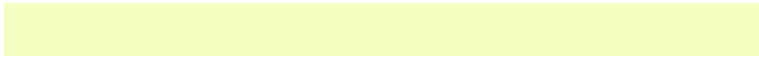
82.6939, 94.6034, 64.3539



76.3973, 94.6034, 77.2988

# Triad

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



82.6939, 94.6034, 64.3539



80.4248, 94.6034, 149.4853



108.3219, 94.6034, 107.0633

# Complementary

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



82.6939, 94.6034, 64.3539



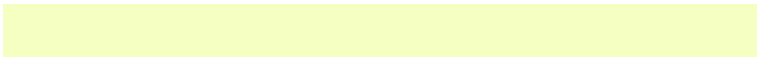
62.0227, 58.1985, 102.5722

# Split Complementary

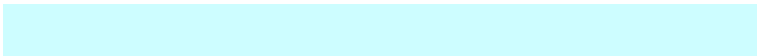
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



104.9459, 94.6034, 133.8635



82.6939, 94.6034, 64.3539



88.5268, 94.6034, 160.8226

# Square

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



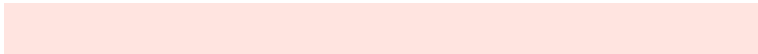
82.6939, 94.6034, 64.3539



75.1500, 94.6034, 125.7730



97.5504, 94.6034, 154.6769

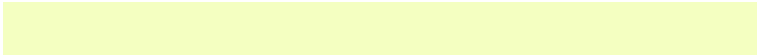


106.5034, 94.6034, 83.1687

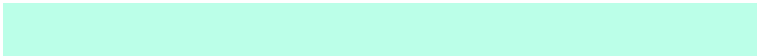


# Rectangle

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



82.6939, 94.6034, 64.3539



74.1694, 94.6034, 90.9743



97.5504, 94.6034, 154.6769



107.7509, 94.6034, 116.0565

# Sweetspot

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



82.6943, 94.6036, 64.3552



91.1525, 98.3075, 94.4067



72.3011, 67.9807, 59.7643



19.4413, 21.0118, 19.9533



0.0000, 0.0000, 0.0000

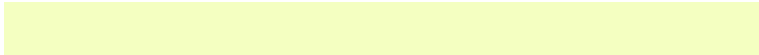


20.3446, 21.4041, 23.3091

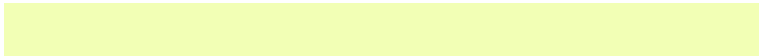


# Same Dimension

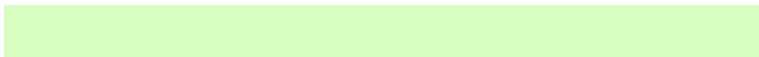
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.6943, 94.6036, 64.3552



80.6824, 93.7143, 57.5792



73.0207, 89.6166, 63.9025



19.2265, 20.9182, 19.1686



32.6524, 44.5710, 6.8821



3.2582, 4.3804, 0.6738



# Inverse Universe

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



62.0227, 58.1985, 102.5722



56.8758, 51.7799, 101.6046



71.1619, 62.9099, 102.9999



17.3034, 17.5326, 22.7221



10.0889, 4.1115, 49.6964

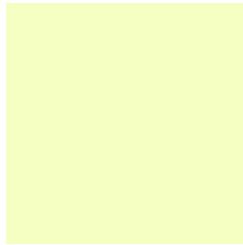


1.0605, 0.4406, 4.8424



# Previews

## White Background



This preview shows how the XYZ color 82.6939, 94.6034, 64.3539 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

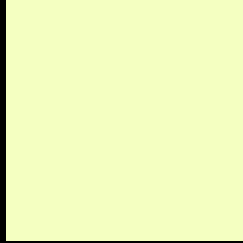
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.6939, 94.6034, 64.3539 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

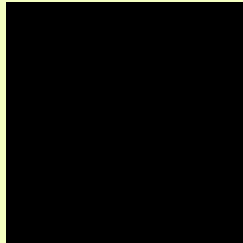
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 82.6939, 94.6034, 64.3539**

## **Background**



This preview shows how black text looks on a background with the XYZ color 82.6939, 94.6034, 64.3539.



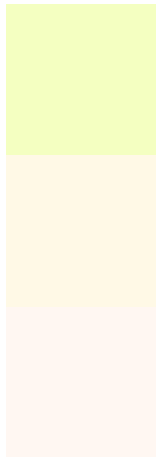
This preview shows how white text looks on a background with the XYZ color 82.6939, 94.6034,

64.3539.

# 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

82.6939, 94.6034, 64.3539

### Protanopia

89.3986, 94.7245, 88.4348

### Deuteranopia

90.5278, 94.1923, 97.4140

## **Tritanopia**

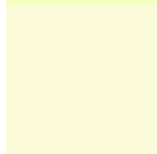
91.0944, 94.2508, 107.9988

# Trichromacy



## Original Color

82.6939, 94.6034, 64.3539



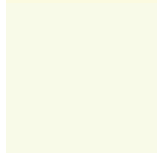
## Protanomaly

86.8052, 94.5133, 79.3134



## Deuteranomaly

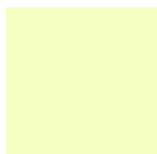
87.4238, 94.2623, 84.1077



## Tritanomaly

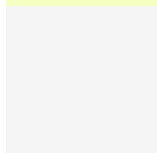
87.4625, 94.1539, 89.9077

# Monochromacy



## Original Color

82.6939, 94.6034, 64.3539



## Achromatopsia

86.7900, 91.3099, 99.4364



## Achromatomaly

85.2593, 92.6548, 85.3420

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.6939, 94.6034, 64.3539 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(244, 255, 193)` looks like.

```
.text, #text, p{  
    color:rgb(244, 255, 193)  
}
```

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(244, 255, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 255, 193) }
```

## Border

The CSS property to change the border of an element to XYZ 82.6939, 94.6034, 64.3539 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(244, 255, 193) }
```



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

```
.border{ border-color:rgb(244, 255, 193) }
```

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

Here you see how a box with a 4 pixel rgb(244, 255, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 255, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 255, 193);  
box-shadow:4px 4px 4px 4px rgb(244, 255,  
193) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.6939, 94.6034, 64.3539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 255, 193) }
```

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

```
.background{ background-color: rgb(244,  
255, 193) }
```

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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