

# Converting Colors

XYZ(82.7478, 94.4835, 71.0276)

Have a look what the booklet for  
XYZ(82.7478, 94.4835, 71.0276)  
contains.

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# Color

**XYZ(82.5943, 94.4049,  
70.9955)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F0FFCC
RGB	240, 255, 204
RGB Percent	94%, 100%, 80%
CMY	0.0588, 0.0000, 0.2000
CMYK	0.06, 0.00, 0.20, 0.00
HSL	78°, 100%, 90%
HSV	78°, 20%, 100%
XYZ	82.5943, 94.4049, 70.9955
YIQ	244.7010, 7.4310, -19.0410

# Conversions

## Conversions Part 2

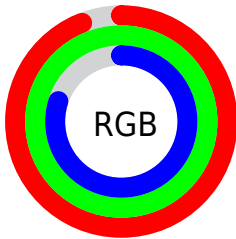
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 255, 219
Decimal	15794124
CIE <sub>Lab</sub>	97.79, -13.36, 22.77
CIE <sub>LCh</sub>	98, 26.400, 120.404
Yxy	94.4049, 0.3330, 0.3807
Android (android.graphics.Color)	4293984204 (0xFFFF0FFCC)
YUV	244.7010, -20.0656, -4.1228
Hunter-Lab	97.1622, -18.2970, 24.6909

# Details

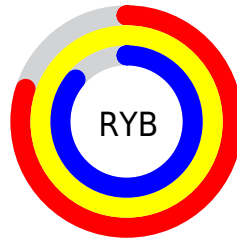
The XYZ color **82.5943, 94.4049, 70.9955** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **68.8571, 65.4670, 103.6150**, and the grayscale version is **86.7020, 91.2173, 99.3356**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.4663, 52.7805, 36.6455** is the 20% darker color. If you saturate the color by 10%, you get **77.2880, 91.9944, 56.0675**, and if you desaturate by 10%, it is **88.5077, 97.0706, 88.5685**.

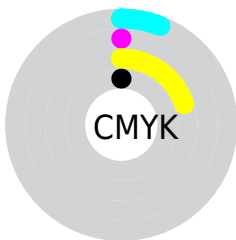
# Distribution



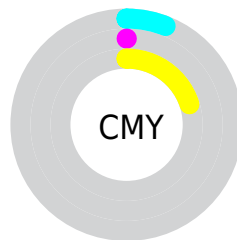
- Red (94%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (86%)



- Cyan (6%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)




- Cyan (6%)
- Magenta (0%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.5943, 94.4049, 70.9955 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 82.5943, 94.4049, 70.9955 by changing the saturation by 10% instead.




 82.5943, 94.4049,  
70.9955

 82.5943, 94.4049,  
70.9955


492.2378,  
542.2581, 482.9209

 62.1713, 71.6398,  
51.8567


135.9386,  
153.4422, 122.3217

 45.4273, 52.8645,  
36.5094


169.5906,  
190.4832, 155.3462

 31.9968, 37.6946,  
24.5351


208.3829,  
233.0515, 193.8364

 21.5146, 25.7457,  
15.5152

252.6810,  
281.5317, 238.2107

 13.6153, 16.6335,  
9.0311

302.8502,  
336.3080, 288.8878

 7.9335, 9.9735,  
4.6644

359.2558,

 4.1039, 5.3814,

397.7649, 346.2862

1.9965

422.2633,  
466.2868, 410.8244

■ 1.7611, 2.4727,  
0.5531

■ 0.4940, 0.8629,  
0.0000

■ 82.5943, 94.4049,  
70.9955

■ 82.5943, 94.4049,  
70.9955

■ 77.2880, 91.9944,  
56.0675

■ 88.5077, 97.0706,  
88.5685

■ 72.5617, 89.8277,  
43.6520

95.0500, 100.0000,  
108.9000

■ 68.3882, 87.8941,  
33.6115

■ 64.7372, 86.1812,  
25.7936

■ 61.5752, 84.6755,  
20.0280

■ 58.8638, 83.3614,  
16.1201

■ 56.5575, 82.2206,  
13.8376

■ 54.5830, 81.2236,  
12.8010

■ 54.5828, 81.2235,  
12.8009

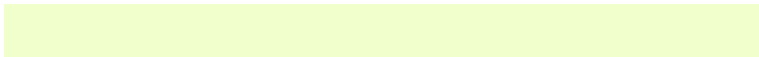
# Harmonies

## Analogous

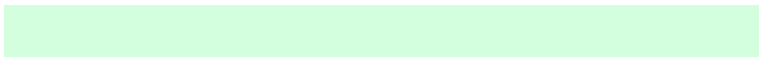
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.6269, 94.4049, 66.6302



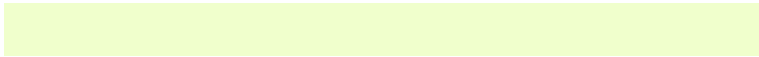
82.5943, 94.4049, 70.9955



77.7111, 94.4049, 83.6293

# Triad

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



82.5943, 94.4049, 70.9955



82.7619, 94.4049, 143.2578



105.0111, 94.4049, 102.4985

# Complementary

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



82.5943, 94.4049, 70.9955



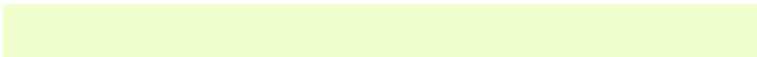
68.8571, 65.4670, 103.6150

# Split Complementary

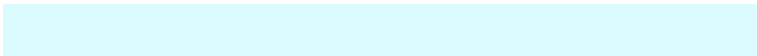
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



102.9262, 94.4049, 124.6763



82.5943, 94.4049, 70.9955



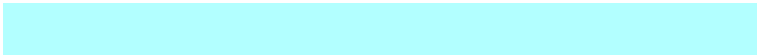
89.8312, 94.4049, 150.1180

# Square

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



82.5943, 94.4049, 70.9955



77.8040, 94.4049, 125.2536



97.2632, 94.4049, 142.8930

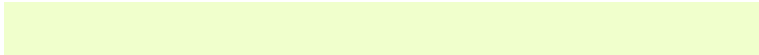


102.8143, 94.4049, 83.1884

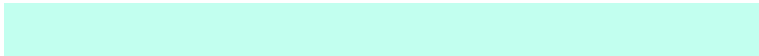


# Rectangle

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



82.5943, 94.4049, 70.9955



76.1878, 94.4049, 96.0278



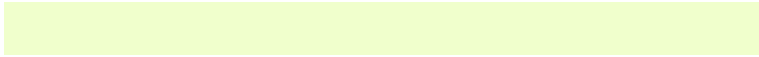
97.2632, 94.4049, 142.8930



104.7866, 94.4049, 109.8643

# Sweetspot

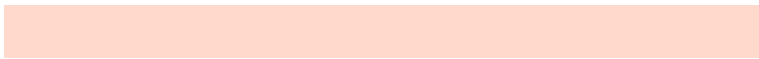
The Sweet Spot groups the original color and five complimentary colors.



82.5949, 94.4052, 70.9969



91.0474, 98.2100, 96.3623



77.3280, 75.9970, 67.7214



19.3976, 20.9805, 20.3465



0.0000, 0.0000, 0.0000

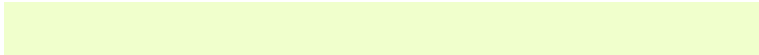


20.3446, 21.4041, 23.3091

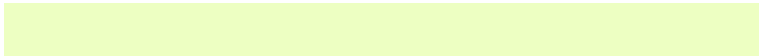


# Same Dimension

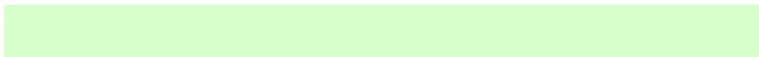
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.5949, 94.4052, 70.9969



80.4003, 93.4107, 64.7138



74.6988, 90.3346, 70.6274



19.0104, 20.8068, 19.1585



28.6773, 42.5217, 6.6961



2.9015, 4.1966, 0.6571



# Inverse Universe

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



68.8571, 65.4670, 103.6150



64.3909, 59.6819, 102.7337



76.9344, 69.6310, 103.9930



17.5050, 17.6365, 22.7315



11.0763, 4.6205, 49.7427

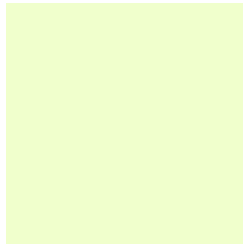


1.1820, 0.5033, 4.8481



# Previews

## White Background



This preview shows how the XYZ color 82.5943, 94.4049, 70.9955 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

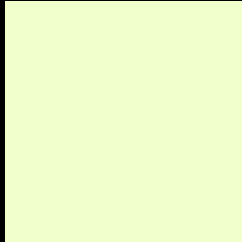
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.5943, 94.4049, 70.9955 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

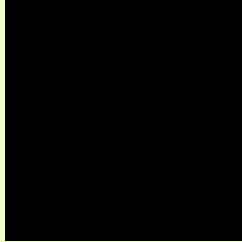
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

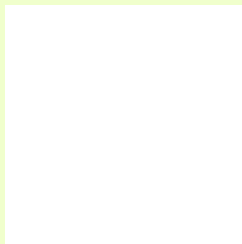
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 82.5943, 94.4049, 70.9955**

## **Background**



This preview shows how black text looks on a background with the XYZ color 82.5943, 94.4049, 70.9955.



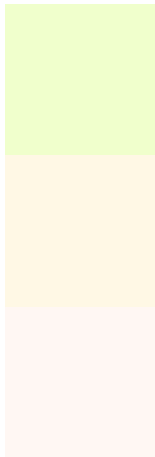
This preview shows how white text looks on a background with the XYZ color 82.5943, 94.4049,

70.9955.

# 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

82.5943, 94.4049, 70.9955

### Protanopia

88.9503, 94.0519, 87.5944

### Deuteranopia

90.6784, 94.2526, 98.2073

## **Tritanopia**

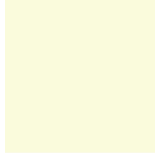
90.6843, 94.4945, 108.0674

# Trichromacy



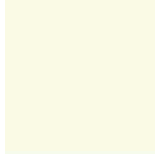
## Original Color

82.5943, 94.4049, 70.9955



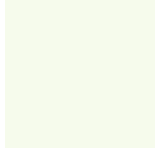
## Protanomaly

86.8398, 94.4857, 81.3708



## Deuteranomaly

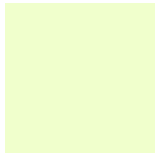
87.7528, 94.3524, 87.7155



## Tritanomaly

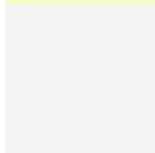
87.6435, 94.6433, 93.0056

# Monochromacy



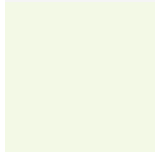
## Original Color

82.5943, 94.4049, 70.9955



## Achromatopsia

86.7900, 91.3099, 99.4364



## Achromatomaly

85.1208, 92.5192, 88.2346

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.5943, 94.4049, 70.9955 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(240, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(240, 255, 204)  
}
```

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(240, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 255, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 82.5943, 94.4049, 70.9955 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(240, 255, 204) }
```



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

```
.border{ border-color:rgb(240, 255, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 255, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(240, 255,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.5943, 94.4049, 70.9955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 255, 204) }
```

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

```
.background{ background-color: rgb(240,  
255, 204) }
```

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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