

# Converting Colors

XYZ(101.6432, 130.1754,  
78.4819)

Have a look what the booklet for  
XYZ(101.6432, 130.1754, 78.4819)  
contains.

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# **Color**

**XYZ(84.3307, 95.2581,  
72.9734)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4FFCF
RGB	244, 255, 207
RGB Percent	96%, 100%, 81%
CMY	0.0431, 0.0000, 0.1882
CMYK	0.04, 0.00, 0.19, 0.00
HSL	74°, 100%, 91%
HSV	74°, 19%, 100%
XYZ	84.3307, 95.2581, 72.9734
YIQ	246.2390, 8.8520, -17.2600

# Conversions

## Conversions Part 2

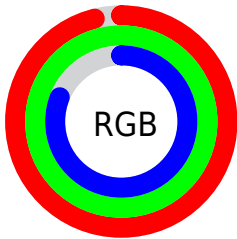
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	207, 255, 218
Decimal	16056271
CIE <sub>Lab</sub>	98.14, -11.51, 21.76
CIE <sub>LCh</sub>	98, 24.621, 117.881
Yxy	95.2581, 0.3339, 0.3772
Android (android.graphics.Color)	4294246351 (0xFFFF4FFCF)
YUV	246.2390, -19.3448, -1.9636
Hunter-Lab	97.6003, -16.5690, 23.9905

# Details

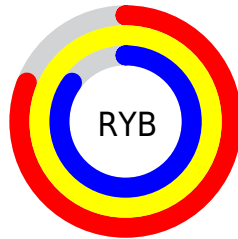
The XYZ color **84.3307, 95.2581, 72.9734** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **69.2772, 66.7523, 103.8409**, and the grayscale version is **87.9367, 92.5162, 100.7502**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.6829, 53.3794, 37.9798** is the 20% darker color. If you saturate the color by 10%, you get **79.4648, 93.0812, 57.7649**, and if you desaturate by 10%, it is **89.7655, 97.6700, 90.8394**.

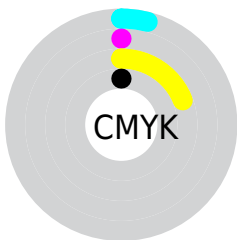
# Distribution



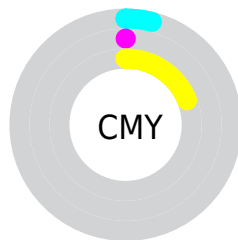
- Red (96%)
- Green (100%)
- Blue (81%)



- Red (81%)
- Yellow (100%)
- Blue (85%)



- Cyan (4%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)



- Cyan (4%)
- Magenta (0%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.3307, 95.2581, 72.9734 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 84.3307, 95.2581, 72.9734 by changing the saturation by 10% instead.



84.3307, 95.2581,  
72.9734

84.3307, 95.2581,  
72.9734

497.9279,  
544.9909, 489.9909

63.6091, 72.3498,  
53.4625

138.3565,  
154.6211, 125.1600

46.5947, 53.4445,  
37.7819

172.3915,  
191.8447, 158.6728

32.9219, 38.1577,  
25.5129

211.5951,  
234.6087, 197.6900

22.2256, 26.1051,  
16.2371

256.3324,  
283.2977, 242.6302

14.1403, 16.9023,  
9.5359

306.9691,  
338.2961, 293.9118

8.3007, 10.1649,  
4.9908

363.8703,

4.3413, 5.5084,

399.9881, 351.9534

2.1832

427.4014,  
468.7583, 417.1736

■ 1.8970, 2.5485,  
0.6647

■ 0.5751, 0.9009,  
0.0000

■ 84.3307, 95.2581,  
72.9734

■ 84.3307, 95.2581,  
72.9734

■ 79.4648, 93.0812,  
57.7649

■ 89.7655, 97.6700,  
90.8394

■ 75.1415, 91.1287,  
45.0826

95.0500, 100.0000,  
108.9000

■ 71.3347, 89.3901,  
34.7905

■ 68.0151, 87.8535,  
26.7378

■ 65.1502, 86.5061,  
20.7569

■ 62.7032, 85.3328,  
16.6564

■ 60.6303, 84.3162,  
14.2095

■ 58.8685, 83.4310,  
13.0873

■ 58.6720, 83.3316,  
12.9923

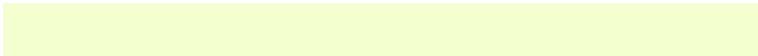
# Harmonies

## Analogous

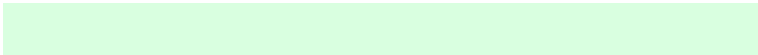
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.0435, 95.2581, 69.4770



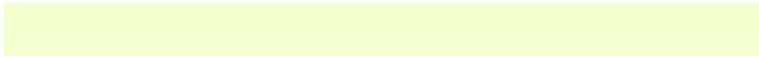
84.3307, 95.2581, 72.9734



79.5080, 95.2581, 84.3675

# Triad

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



84.3307, 95.2581, 72.9734



83.5032, 95.2581, 140.3097



104.8150, 95.2581, 105.1659

# Complementary

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



84.3307, 95.2581, 72.9734



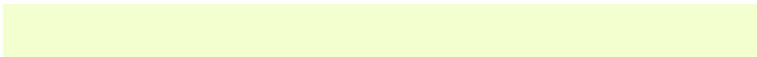
69.2772, 66.7523, 103.8409

# Split Complementary

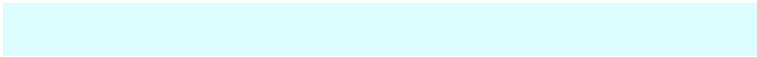
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



102.5479, 95.2581, 125.8261



84.3307, 95.2581, 72.9734



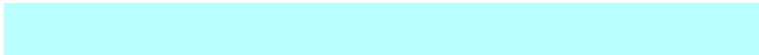
90.0383, 95.2581, 147.6912

# Square

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



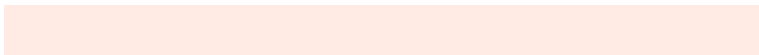
84.3307, 95.2581, 72.9734



79.0480, 95.2581, 123.0115



97.0468, 95.2581, 142.0777

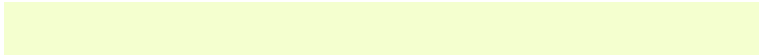


103.0950, 95.2581, 86.5587

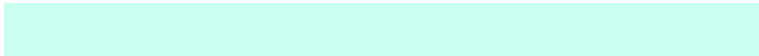


# Rectangle

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



84.3307, 95.2581, 72.9734



77.8891, 95.2581, 95.7595



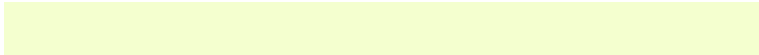
97.0468, 95.2581, 142.0777



104.4915, 95.2581, 112.1096

# Sweetspot

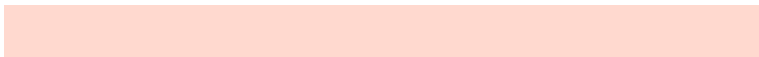
The Sweet Spot groups the original color and five complimentary colors.



84.3312, 95.2583, 72.9748



91.4054, 98.3945, 96.3791



77.4192, 75.5981, 69.5443



19.4824, 21.0242, 20.3505



0.0000, 0.0000, 0.0000

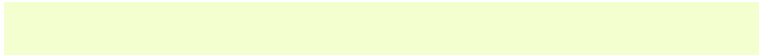


20.3446, 21.4041, 23.3091

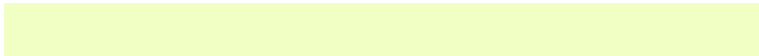


# Same Dimension

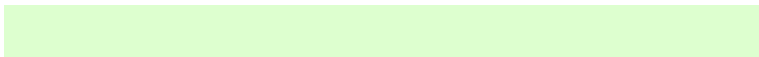
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.3312, 95.2583, 72.9748



82.2307, 94.3209, 66.3054



76.7203, 91.3348, 72.6186



19.1302, 20.8686, 19.1641



30.7940, 43.6130, 6.7951



3.0928, 4.2951, 0.6660



# Inverse Universe

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



69.2772, 66.7523, 103.8409



64.3876, 60.5288, 102.8974



76.7759, 70.6180, 104.1919



17.3924, 17.5785, 22.7263



10.4628, 4.3043, 49.7139

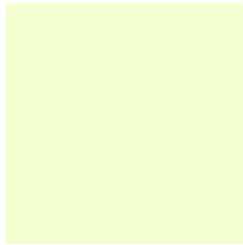


1.1090, 0.4656, 4.8447



# Previews

## White Background



This preview shows how the XYZ color 84.3307, 95.2581, 72.9734 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

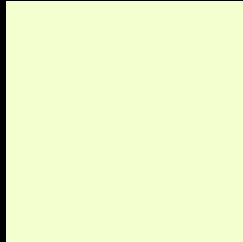
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.3307, 95.2581, 72.9734 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

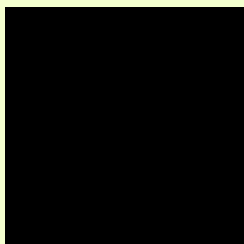
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

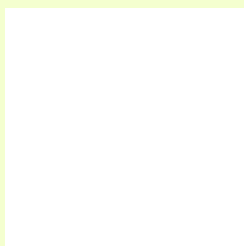
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 84.3307, 95.2581, 72.9734**

## **Background**



This preview shows how black text looks on a background with the XYZ color 84.3307, 95.2581, 72.9734.



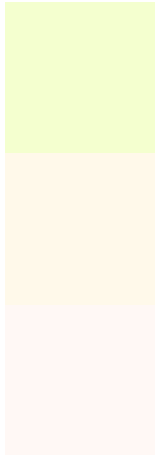
This preview shows how white text looks on a background with the XYZ color 84.3307, 95.2581,

72.9734.

# 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

84.3307, 95.2581, 72.9734

### Protanopia

89.9670, 94.9519, 91.4277

### Deuteranopia

91.2888, 94.9874, 99.9092

## **Tritanopia**

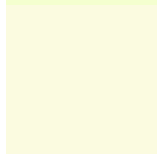
91.3500, 95.2954, 108.1869

# Trichromacy



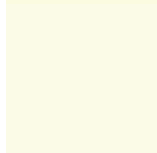
## Original Color

84.3307, 95.2581, 72.9734



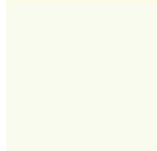
## Protanomaly

87.7354, 94.8854, 84.2116



## Deuteranomaly

88.7046, 95.2731, 89.3156



## Tritanomaly

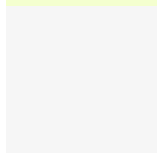
88.6412, 95.1239, 94.5778

# Monochromacy



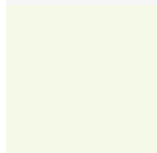
## Original Color

84.3307, 95.2581, 72.9734



## Achromatopsia

87.5964, 92.1582, 100.3603



## Achromatomaly

86.0974, 92.9900, 89.7550

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.3307, 95.2581, 72.9734 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, 207) looks like.

```
.text, #text, p{  
    color:rgb(244, 255, 207)  
}
```

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, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 255, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 84.3307, 95.2581, 72.9734 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, 207) }
```



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

```
.border{ border-color:rgb(244, 255, 207) }
```

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, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 255, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 255, 207);  
box-shadow:4px 4px 4px 4px rgb(244, 255,  
207) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.3307, 95.2581, 72.9734 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, 207) }
```

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

```
.background{ background-color: rgb(244,  
255, 207) }
```

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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