

# Converting Colors

XYZ(85.2852, 95.8209, 69.8225)

Have a look what the booklet for  
XYZ(85.2852, 95.8209, 69.8225)  
contains.

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# Color

**XYZ(85.1321, 95.7407,  
69.8700)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8FFCA
RGB	248, 255, 202
RGB Percent	97%, 100%, 79%
CMY	0.0274, 0.0000, 0.2078
CMYK	0.03, 0.00, 0.21, 0.00
HSL	68°, 100%, 90%
HSV	68°, 21%, 100%
XYZ	85.1321, 95.7407, 69.8700
YIQ	246.8650, 12.8410, -17.9670

# Conversions

## Conversions Part 2

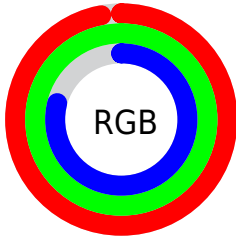
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	202, 255, 209
Decimal	16318410
CIE <sub>Lab</sub>	98.33, -10.83, 24.61
CIE <sub>LCh</sub>	98, 26.888, 113.743
Yxy	95.7407, 0.3395, 0.3818
Android (android.graphics.Color)	4294508490 (0xFFFF8FFCA)
YUV	246.8650, -22.1184, 0.9954
Hunter-Lab	97.8472, -15.9283, 26.1557

# Details

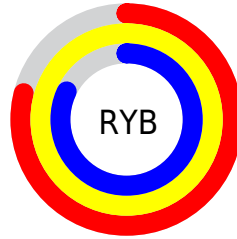
The XYZ color **85.1321, 95.7407, 69.8700** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **65.4659, 63.0176, 103.3209**, and the grayscale version is **88.4644, 93.0714, 101.3547**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.0252, 53.6027, 35.8848** is the 20% darker color. If you saturate the color by 10%, you get **81.1746, 94.0211, 55.2048**, and if you desaturate by 10%, it is **89.6111, 97.6716, 87.1665**.

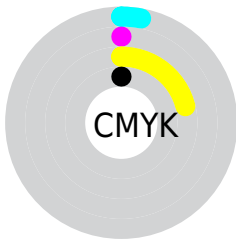
# Distribution



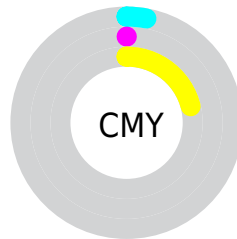
- Red (97%)
- Green (100%)
- Blue (79%)



- Red (79%)
- Yellow (100%)
- Blue (82%)



- Cyan (3%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)




- Cyan (3%)
- Magenta (0%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.1321, 95.7407, 69.8700 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 85.1321, 95.7407, 69.8700 by changing the saturation by 10% instead.




 85.1321, 95.7407,  
69.8700

 85.1321, 95.7407,  
69.8700


500.5422,  
546.5335, 478.8702

 64.2734, 72.7516,  
50.9444


139.4708,  
155.2875, 120.7027

 47.1347, 53.7729,  
35.7879


173.6815,  
192.6140, 153.4469

 33.3505, 38.4201,  
23.9821


213.0736,  
235.4885, 191.6344

 22.5556, 26.3089,  
15.1082

258.0124,  
284.2953, 235.6838

 14.3846, 17.0549,  
8.7479

308.8633,  
339.4188, 286.0135

 8.4721, 10.2736,  
4.4826

365.9917,

 4.4528, 5.5808,

401.2434, 343.0421

1.8936

429.7629,  
470.1535, 407.1882

■ 1.9614, 2.5919,  
0.4887

■ 0.6121, 0.9226,  
0.0000

■ 85.1321, 95.7407,  
69.8700

■ 85.1321, 95.7407,  
69.8700

■ 81.1746, 94.0211,  
55.2048

■ 89.6111, 97.6716,  
87.1665

■ 77.7124, 92.5020,  
43.0379

94.6330, 99.8220,  
107.2102

■ 74.7195, 91.1730,  
33.2307

95.0500, 100.0000,  
108.9000

■ 72.1664, 90.0224,  
25.6297

■ 70.0205, 89.0372,  
20.0631

■ 68.2443, 88.2022,  
16.3339

■ 66.7928, 87.4995,  
14.2060

■ 65.6774, 86.9430,  
13.3201

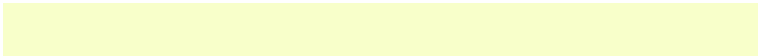
# Harmonies

## Analogous

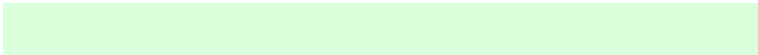
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.6317, 95.7407, 67.3307



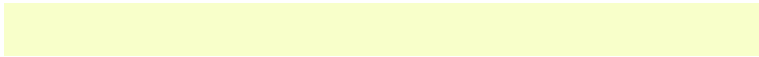
85.1321, 95.7407, 69.8700



79.5083, 95.7407, 80.9973

# Triad

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



85.1321, 95.7407, 69.8700



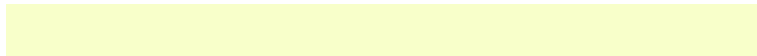
82.4708, 95.7407, 142.5665



106.6227, 95.7407, 108.9639

# Complementary

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



85.1321, 95.7407, 69.8700



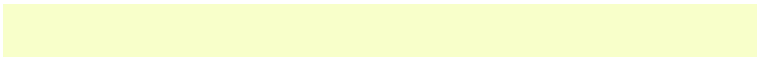
65.4659, 63.0176, 103.3209

# 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.



103.5459, 95.7407, 131.5638



85.1321, 95.7407, 69.8700



89.3850, 95.7407, 152.6594

# Square

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



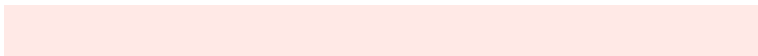
85.1321, 95.7407, 69.8700



78.0339, 95.7407, 122.3819



97.1287, 95.7407, 148.3717

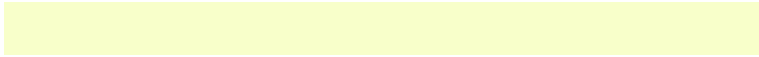


105.3254, 95.7407, 87.9954

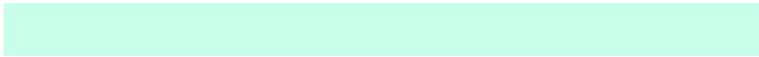


# Rectangle

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



85.1321, 95.7407, 69.8700



77.4350, 95.7407, 92.7536



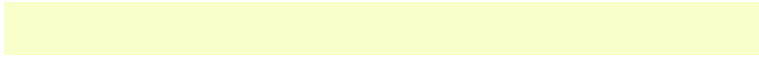
97.1287, 95.7407, 148.3717



106.0603, 95.7407, 116.6491

# Sweetspot

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



85.1326, 95.7410, 69.8714



91.9441, 98.6722, 96.4043



74.5020, 70.7265, 65.6034



19.6101, 21.0900, 20.3565



0.0000, 0.0000, 0.0000

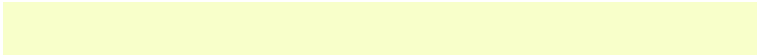


20.3446, 21.4041, 23.3091

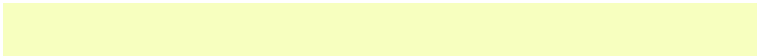


# Same Dimension

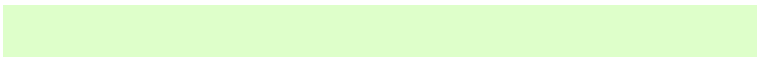
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.1326, 95.7410, 69.8714



83.4016, 94.9906, 63.3739



76.6426, 91.3642, 69.4741



19.3114, 20.9619, 19.1726



34.4097, 45.4769, 6.9643



3.4131, 4.4603, 0.6810



# Inverse Universe

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



65.4659, 63.0176, 103.3209



60.4665, 56.8246, 102.3891



73.3278, 67.0706, 103.6889



17.2260, 17.4927, 22.7185



9.8388, 3.9826, 49.6847

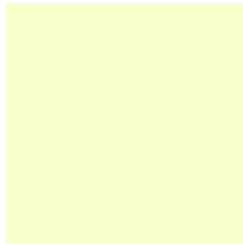


1.0237, 0.4217, 4.8407



# Previews

## White Background



This preview shows how the XYZ color 85.1321, 95.7407, 69.8700 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

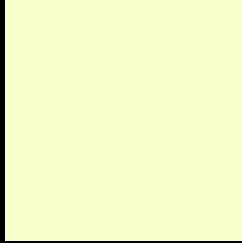
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.1321, 95.7407, 69.8700 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

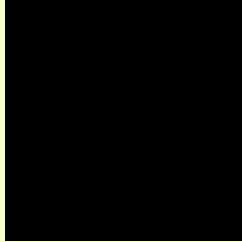
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 85.1321, 95.7407, 69.8700

## Background



This preview shows how black text looks on a background with the XYZ color 85.1321, 95.7407, 69.8700.



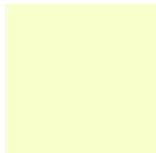
This preview shows how white text looks on a background with the XYZ color 85.1321, 95.7407,

69.8700.

# Color Blindness Simulation

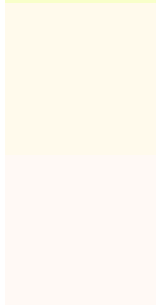
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

85.1321, 95.7407, 69.8700



### Protanopia

90.5659, 95.6873, 93.0530

### Deuteranopia

91.5971, 95.6039, 100.0119

## **Tritanopia**

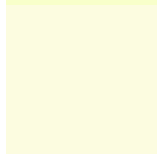
92.0706, 95.6668, 108.2206

# Trichromacy



## Original Color

85.1321, 95.7407, 69.8700



## Protanomaly

88.4098, 95.6981, 84.3329



## Deuteranomaly

88.7849, 95.3470, 87.8531



## Tritanomaly

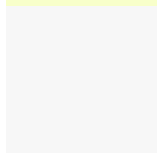
89.4212, 95.5597, 93.0888

# Monochromacy



## Original Color

85.1321, 95.7407, 69.8700



## Achromatopsia

88.4070, 93.0111, 101.2891



## Achromatomaly

86.9672, 93.9149, 89.1450

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.1321, 95.7407, 69.8700 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, 202)` looks like.

```
.text, #text, p{  
    color:rgb(248, 255, 202)  
}
```

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, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 255, 202) }
```

## Border

The CSS property to change the border of an element to XYZ 85.1321, 95.7407, 69.8700 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, 202) }
```



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

```
.border{ border-color:rgb(248, 255, 202) }
```

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, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(248, 255,  
202) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.1321, 95.7407, 69.8700 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, 202) }
```

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

```
.background{ background-color: rgb(248,  
255, 202) }
```

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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