

# Converting Colors

XYZ(86.6181, 100.0000,  
71.5298)

Have a look what the booklet for  
XYZ(86.6181, 100.0000, 71.5298)  
contains.

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# **Color**

**XYZ(84.1957, 95.2443,  
70.4463)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5FFCB
RGB	245, 255, 203
RGB Percent	96%, 100%, 80%
CMY	0.0392, 0.0000, 0.2039
CMYK	0.04, 0.00, 0.20, 0.00
HSL	72°, 100%, 90%
HSV	72°, 20%, 100%
XYZ	84.1957, 95.2443, 70.4463
YIQ	246.0820, 10.7320, -18.2920

# Conversions

## Conversions Part 2

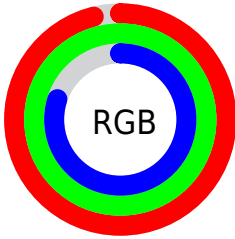
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	203, 255, 213
Decimal	16121803
CIE <sub>Lab</sub>	98.13, -11.75, 23.80
CIE <sub>LCh</sub>	98, 26.539, 116.271
Yxy	95.2443, 0.3369, 0.3812
Android (android.graphics.Color)	4294311883 (0xFFFF5FFCB)
YUV	246.0820, -21.2394, -0.9489
Hunter-Lab	97.5932, -16.7924, 25.5176

# Details

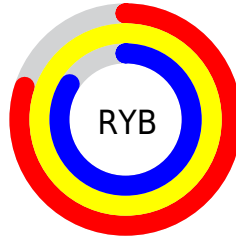
The XYZ color **84.1957, 95.2443, 70.4463** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **66.8474, 64.0792, 103.4530**, and the grayscale version is **87.8233, 92.3969, 100.6203**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.3579, 53.2495, 36.2686** is the 20% darker color. If you saturate the color by 10%, you get **79.7141, 93.2567, 55.6568**, and if you desaturate by 10%, it is **89.2235, 97.4557, 87.8731**.

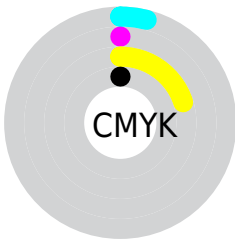
# Distribution



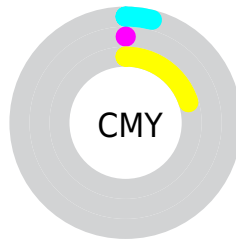
- Red (96%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (84%)



- Cyan (4%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)




- Cyan (4%)
- Magenta (0%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.1957, 95.2443, 70.4463 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 84.1957, 95.2443, 70.4463 by changing the saturation by 10% instead.




 84.1957, 95.2443,  
70.4463

 84.1957, 95.2443,  
70.4463


497.4867,  
544.9468, 480.9469

 63.4973, 72.3383,  
51.4114


138.1687,  
154.6021, 121.5321

 46.5038, 53.4351,  
36.1571


172.1741,  
191.8227, 154.4200

 32.8498, 38.1502,  
24.2649


211.3457,  
234.5836, 192.7628

 22.1701, 26.0993,  
15.3162

256.0491,  
283.2692, 236.9788

 14.0993, 16.8979,  
8.8926

306.6495,  
338.2639, 287.4867

 8.2719, 10.1618,  
4.5753

363.5124,

 4.3227, 5.5063,

399.9522, 344.7050

1.9460

427.0030,  
468.7183, 409.0522

■ 1.8863, 2.5473,  
0.5218

■ 0.5688, 0.9002,  
0.0000

■ 84.1957, 95.2443,  
70.4463

■ 84.1957, 95.2443,  
70.4463

■ 79.7141, 93.2567,  
55.6568

■ 89.2235, 97.4557,  
87.8731

■ 75.7525, 91.4822,  
43.3719

94.8192, 99.8995,  
108.0528

■ 72.2846, 89.9103,  
33.4536

95.0500, 100.0000,  
108.9000

■ 69.2809, 88.5293,  
25.7488

■ 66.7087, 87.3259,  
20.0868

■ 64.5304, 86.2852,  
16.2714

■ 62.7011, 85.3890,  
14.0688

■ 61.2034, 84.6366,  
13.1107

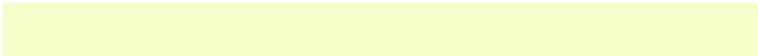
# Harmonies

## Analogous

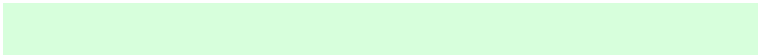
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.4831, 95.2443, 67.2166



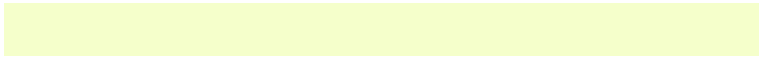
84.1957, 95.2443, 70.4463



78.8805, 95.2443, 82.1074

# Triad

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



84.1957, 95.2443, 70.4463



82.6329, 95.2443, 142.6618



105.9480, 95.2443, 106.4579

# Complementary

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



84.1957, 95.2443, 70.4463



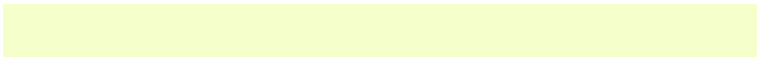
66.8474, 64.0792, 103.4530

# 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.



103.2665, 95.2443, 128.7918



84.1957, 95.2443, 70.4463



89.5773, 95.2443, 151.4632

# Square

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



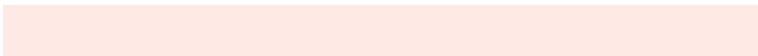
84.1957, 95.2443, 70.4463



78.0144, 95.2443, 123.4074



97.1677, 95.2443, 146.0641

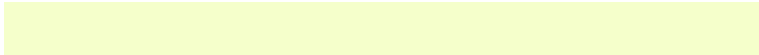


104.3104, 95.2443, 86.2196

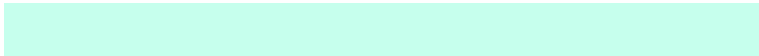


# Rectangle

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



84.1957, 95.2443, 70.4463



77.0273, 95.2443, 94.0619



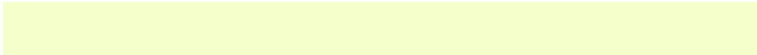
97.1677, 95.2443, 146.0641



105.5181, 95.2443, 113.9853

# Sweetspot

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



84.1962, 95.2445, 70.4477



91.6095, 98.4997, 96.3886



75.6972, 72.9268, 66.5879



19.5307, 21.0491, 20.3527



0.0000, 0.0000, 0.0000

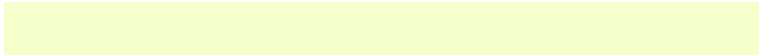


20.3446, 21.4041, 23.3091

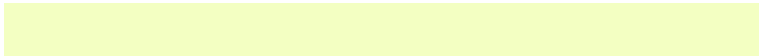


# Same Dimension

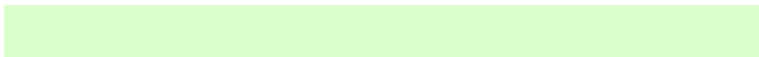
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.1962, 95.2445, 70.4477



82.5171, 94.5019, 64.8128



75.8942, 90.9647, 70.0591



19.1987, 20.9039, 19.1673



32.1019, 44.2872, 6.8563



3.2094, 4.3553, 0.6715



# Inverse Universe

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



66.8474, 64.0792, 103.4530



62.6313, 58.7748, 102.6514



74.8459, 68.2026, 103.8274



17.3290, 17.5458, 22.7233



10.1865, 4.1618, 49.7010

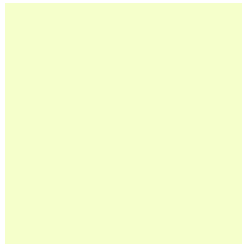


1.0736, 0.4474, 4.8430



# Previews

## White Background



This preview shows how the XYZ color 84.1957, 95.2443, 70.4463 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

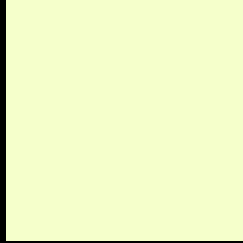
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.1957, 95.2443, 70.4463 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

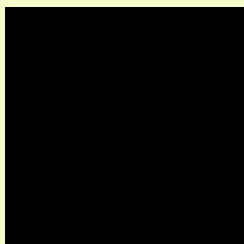
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

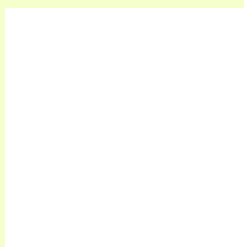
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 84.1957, 95.2443, 70.4463**

## **Background**



This preview shows how black text looks on a background with the XYZ color 84.1957, 95.2443, 70.4463.



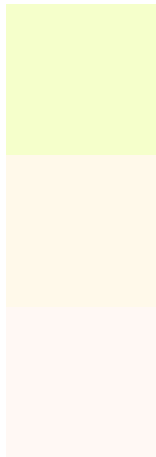
This preview shows how white text looks on a background with the XYZ color 84.1957, 95.2443,

70.4463.

# 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

84.1957, 95.2443, 70.4463

### Protanopia

89.9670, 94.9519, 91.4277

### Deuteranopia

91.1365, 94.9265, 99.1072

## **Tritanopia**

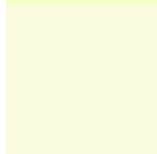
91.4011, 94.8640, 108.1010

# Trichromacy



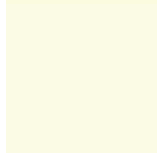
## Original Color

84.1957, 95.2443, 70.4463



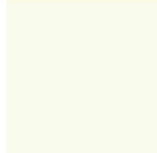
## Protanomaly

87.6001, 94.8313, 83.4993



## Deuteranomaly

88.4237, 95.1607, 87.8362



## Tritanomaly

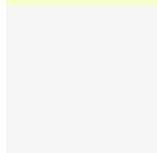
88.7044, 95.1902, 93.0552

# Monochromacy



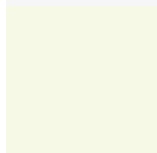
## Original Color

84.1957, 95.2443, 70.4463



## Achromatopsia

87.5964, 92.1582, 100.3603



## Achromatomaly

86.1646, 93.0574, 88.2834

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.1957, 95.2443, 70.4463 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(245, 255, 203)` looks like.

```
.text, #text, p{  
    color:rgb(245, 255, 203)  
}
```

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(245, 255, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 255, 203) }
```

## Border

The CSS property to change the border of an element to XYZ 84.1957, 95.2443, 70.4463 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(245, 255, 203) }
```



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

```
.border{ border-color:rgb(245, 255, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 255, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 255, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 255, 203);  
box-shadow:4px 4px 4px 4px rgb(245, 255,  
203) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.1957, 95.2443, 70.4463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 255, 203) }
```

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

```
.background{ background-color: rgb(245,  
255, 203) }
```

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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