

# Converting Colors

XYZ(88.4034, 93.8352,  
100.1468)

Have a look what the booklet for  
XYZ(88.4034, 93.8352, 100.1468)  
contains.

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# Color

**XYZ(88.3631, 93.9368,  
99.8606)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F6F9F5
RGB	246, 249, 245
RGB Percent	96%, 98%, 96%
CMY	0.0353, 0.0235, 0.0392
CMYK	0.01, 0.00, 0.02, 0.02
HSL	105°, 25%, 97%
HSV	105°, 2%, 98%
XYZ	88.3631, 93.9368, 99.8606
YIQ	247.6470, -0.5040, -1.8800

# Conversions

## Conversions Part 2

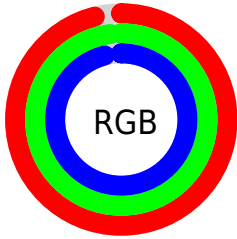
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	245, 249, 248
Decimal	16185845
CIE Lab	97.61, -1.69, 1.56
CIE LCh	98, 2.298, 137.329
Yxy	93.9368, 0.3132, 0.3329
Android (android.graphics.Color)	4294375925 (0xFFFF6F9F5)
YUV	247.6470, -1.3050, -1.4444
Hunter-Lab	96.9210, -6.8729, 6.7564

# Details

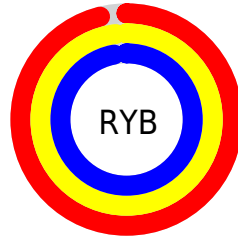
The XYZ color 88.3631, 93.9368, 99.8606 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.4665, 92.1035, 102.7425, and the grayscale version is 88.9479, 93.5801, 101.9087.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.4905, 52.7612, 55.7196 is the 20% darker color. If you saturate the color by 10%, you get 78.5877, 89.3102, 80.8770, and if you desaturate by 10%, it is 93.1675, 96.2351, 108.2725.

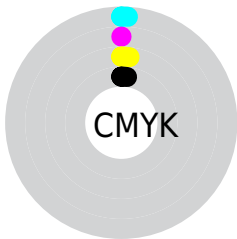
# Distribution



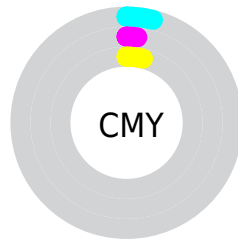
- Red (96%)
- Green (98%)
- Blue (96%)



- Red (96%)
- Yellow (98%)
- Blue (97%)



- Cyan (1%)
- Magenta (0%)
- Yellow (2%)
- Black (2%)



- Cyan (4%)
- Magenta (2%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 88.3631, 93.9368, 99.8606 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 88.3631, 93.9368, 99.8606 by changing the saturation by 10% instead.



88.3631, 93.9368,  
99.8606

88.3631, 93.9368,  
99.8606

511.0092,  
540.7556, 580.9885

66.9556, 71.2504,  
75.5679

143.9525,  
152.7949, 163.0158

49.3191, 52.5466,  
55.5737

178.8651,  
189.7354, 202.7154

35.0883, 37.4409,  
39.4595

219.0102,  
232.1961, 248.3877

23.8977, 25.5491,  
26.8068

264.7530,  
280.5613, 300.4512

15.3821, 16.4866,  
17.1971

316.4590,  
335.2155, 359.3245

9.1760, 9.8691,  
10.2116

374.4934,

4.9142, 5.3123,

396.5430, 425.4261

5.4321

439.2217,  
464.9283, 499.1746

■ 2.2313, 2.4316,  
2.4398

■ 0.7591, 0.8421,  
0.8080

■ 88.3631, 93.9368,  
99.8606

■ 88.3631, 93.9368,  
99.8606

■ 78.5877, 89.3102,  
80.8770

■ 93.1675, 96.2351,  
108.2725

■ 69.9410, 85.2059,  
64.5089

■ 62.3836, 81.6090,  
50.6433

■ 55.8710, 78.4991,  
39.1569

■ 50.3553, 75.8545,  
29.9158

■ 45.7848, 73.6517,  
22.7727

■ 42.1027, 71.8651,  
17.5628

■ 39.2457, 70.4660,  
14.0967

■ 37.1406, 69.4217,  
12.1467

# Harmonies

## Analogous

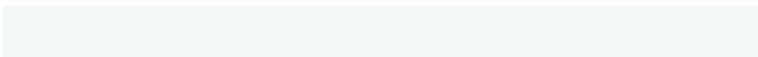
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.9102, 93.9368, 98.8831



88.3631, 93.9368, 99.8606



88.0634, 93.9368, 101.4936

# Triad

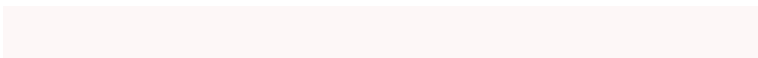
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.3631, 93.9368, 99.8606



89.0087, 93.9368, 105.8338



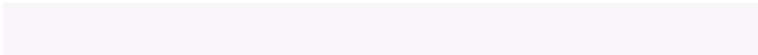
90.4894, 93.9368, 101.2127

# Complementary

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



88.3631, 93.9368, 99.8606



88.4665, 92.1035, 102.7425

# 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.



90.5161, 93.9368, 103.0729



88.3631, 93.9368, 99.8606



89.6590, 93.9368, 105.7563

# Square

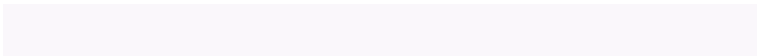
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



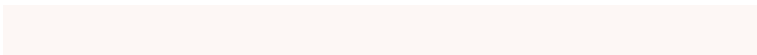
88.3631, 93.9368, 99.8606



88.4349, 93.9368, 104.9509



90.2115, 93.9368, 104.7406



90.1388, 93.9368, 99.6571

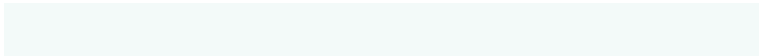


# Rectangle

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



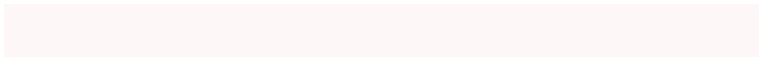
88.3631, 93.9368, 99.8606



88.0432, 93.9368, 102.7411



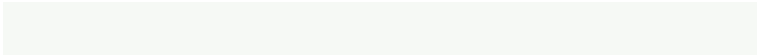
90.2115, 93.9368, 104.7406



90.5366, 93.9368, 101.8227

# Sweetspot

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



88.3657, 93.9408, 99.8626

95.0500, 100.0000, 108.9000



89.1197, 93.8714, 99.8095



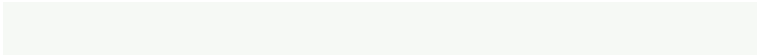
20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

# Same Dimension

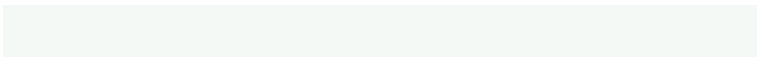
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.3657, 93.9408, 99.8626



92.8457, 98.9572, 104.5675



88.1693, 93.8219, 100.6535



19.0472, 20.2874, 21.4712



19.3102, 36.8731, 6.0995

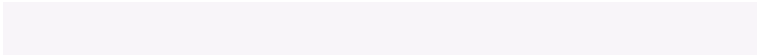


1.8810, 3.4628, 0.5692



# Inverse Universe

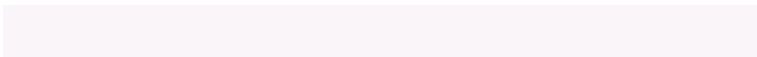
The Inverse Universe completely reimagines the original color for something new.



88.4665, 92.1035, 102.7425



92.9777, 96.5484, 108.3430



88.6661, 92.2244, 101.9388



19.0729, 19.8189, 22.2055



20.2389, 9.3762, 48.7166

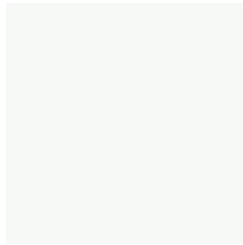


1.9710, 0.9181, 4.5165



# Previews

## White Background



This preview shows how the XYZ color 88.3631, 93.9368, 99.8606 looks on a white background.

## Color Contrast Check

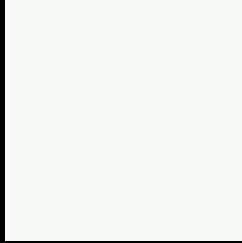
Large Text (above 18pt) WCAG AA × Fail

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 88.3631, 93.9368, 99.8606 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

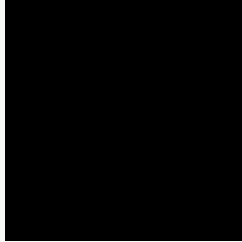
Any Text WCAG AAA ✓ Pass

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

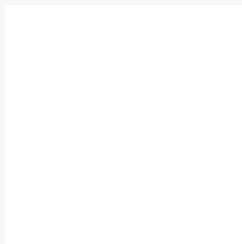


# XYZ 88.3631, 93.9368, 99.8606

## Background



This preview shows how black text looks on a background with the XYZ color 88.3631, 93.9368, 99.8606.



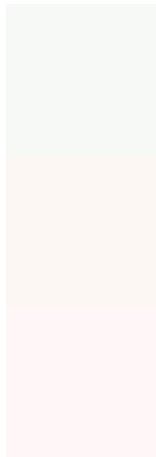
This preview shows how white text looks on a background with the XYZ color 88.3631, 93.9368,

99.8 06.

# 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

88.3631, 93.9368, 99.8606

### Protanopia

90.0979, 93.9358, 98.9707

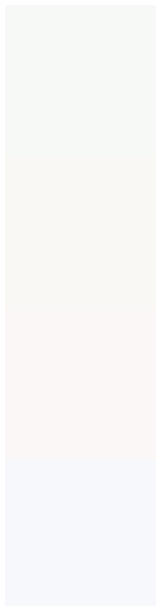
### Deuteranopia

91.1390, 93.9488, 102.1373

## Tritanopia

90.0222, 93.6980, 107.9486

# Trichromacy



## Original Color

88.3631, 93.9368, 99.8606

## Protanomaly

89.3209, 93.9905, 99.0222

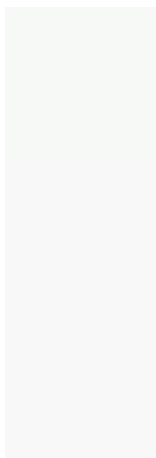
## Deuteranomaly

90.1941, 93.9324, 101.3727

## Tritanomaly

89.3378, 93.8740, 104.6777

# Monochromacy



## Original Color

88.3631, 93.9368, 99.8606

## Achromatopsia

89.2221, 93.8686, 102.2229

## Achromatomaly

88.7137, 93.6244, 101.3913

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 88.3631, 93.9368, 99.8606 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(246, 249, 245) looks like.

```
.text, #text, p{  
    color:rgb(246, 249, 245)  
}
```

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(246, 249, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 249, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 88.3631, 93.9368, 99.8606 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(246, 249, 245) }
```

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

```
.border{ border-color:rgb(246, 249, 245) }
```

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

Here you see how a box with a 4 pixel rgb(246, 249, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 249, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 249, 245);  
box-shadow:4px 4px 4px 4px rgb(246, 249,  
245) }
```



# Background

The CSS property to change the background color of an element to XYZ 88.3631, 93.9368, 99.8606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 249, 245) }
```

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

```
.background{ background-color: rgb(246,  
249, 245) }
```

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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