

# Converting Colors

XYZ(88.5038, 94.1552, 97.5151)

Have a look what the booklet for  
XYZ(88.5038, 94.1552, 97.5151)  
contains.

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# **Color**

**XYZ(88.6141, 94.1186,  
97.5006)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8F9F2
RGB	248, 249, 242
RGB Percent	97%, 98%, 95%
CMY	0.0274, 0.0235, 0.0510
CMYK	0.00, 0.00, 0.03, 0.02
HSL	69°, 37%, 96%
HSV	69°, 3%, 98%
XYZ	88.6141, 94.1186, 97.5006
YIQ	247.9030, 1.6510, -2.3890

# Conversions

## Conversions Part 2

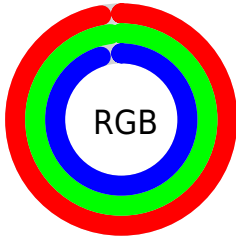
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 249, 243
Decimal	16316914
CIE Lab	97.68, -1.54, 3.23
CIE LCh	98, 3.577, 115.566
Yxy	94.1186, 0.3162, 0.3359
Android (android.graphics.Color)	4294506994 (0xFF8F9F2)
YUV	247.9030, -2.9102, 0.0851
Hunter-Lab	97.0147, -6.7324, 8.3234

# Details

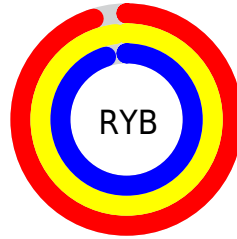
The XYZ color 88.6141, 94.1186, 97.5006 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 85.8167, 89.4010, 102.3604, and the grayscale version is 89.1683, 93.8120, 102.1612.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.6711, 52.8916, 54.0455 is the 20% darker color. If you saturate the color by 10%, you get 83.8731, 92.0804, 79.0673, and if you desaturate by 10%, it is 91.9175, 95.5906, 108.2140.

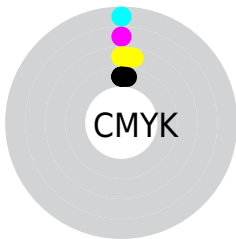
# Distribution



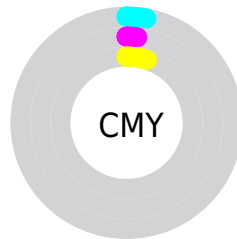
- Red (97%)
- Green (98%)
- Blue (95%)



- Red (95%)
- Yellow (98%)
- Blue (95%)



- Cyan (0%)
- Magenta (0%)
- Yellow (3%)
- Black (2%)



- Cyan (3%)
- Magenta (2%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 88.6141, 94.1186, 97.5006 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 88.6141, 94.1186, 97.5006 by changing the saturation by 10% instead.



88.6141, 94.1186,  
97.5006

88.6141, 94.1186,  
97.5006

511.8175,  
541.3394, 573.3273

67.1642, 71.4016,  
73.6096

144.3000,  
153.0464, 159.7400

49.4893, 52.6700,  
53.9797

179.2667,  
190.0259, 198.9254

35.2239, 37.5394,  
38.1924

219.4698,  
232.5284, 244.0461

24.0027, 25.6254,  
25.8291

265.2745,  
280.9383, 295.5207

15.4604, 16.5436,  
16.4712

317.0463,  
335.6400, 353.7675

9.2315, 9.9096,  
9.7002

375.1505,

4.9508, 5.3391,

397.0178, 419.2052

5.0977

439.9525,  
465.4561, 492.2523

■ 2.2529, 2.4476,  
2.2449

■ 0.7704, 0.8502,  
0.7001

■ 88.6141, 94.1186,  
97.5006

■ 88.6141, 94.1186,  
97.5006

■ 83.8731, 92.0804,  
79.0673

■ 91.9175, 95.5906,  
108.2140

■ 79.6423, 90.2460,  
63.2074

■ 93.1675, 96.2350,  
108.2725

■ 75.9024, 88.6107,  
49.8079

■ 72.6299, 87.1651,  
38.7452

■ 69.7990, 85.8989,  
29.8851

■ 67.3815, 84.8008,  
23.0797

■ 65.3458, 83.8581,  
18.1627

■ 63.6554, 83.0561,  
14.9425

■ 62.2658, 82.3772,  
13.1865

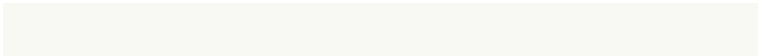
# Harmonies

## Analogous

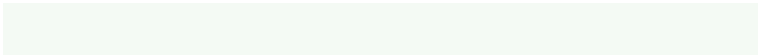
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.6084, 94.1186, 96.9863



88.6141, 94.1186, 97.5006



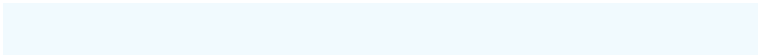
87.8508, 94.1186, 99.3391

# Triad

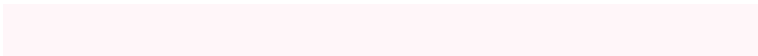
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.6141, 94.1186, 97.5006



88.3537, 94.1186, 107.1768



91.4244, 94.1186, 102.9135

# Complementary

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



88.6141, 94.1186, 97.5006



85.8167, 89.4010, 102.3604

# Split Complementary

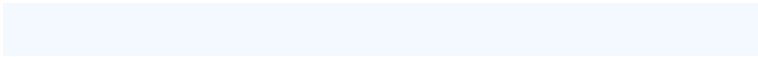
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.0825, 94.1186, 105.6847



88.6141, 94.1186, 97.5006



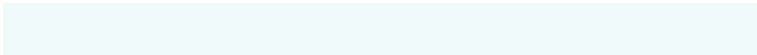
89.3055, 94.1186, 108.1756

# Square

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



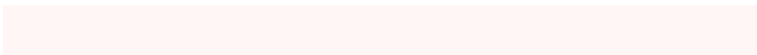
88.6141, 94.1186, 97.5006



87.7012, 94.1186, 104.9196



90.3050, 94.1186, 107.6244



91.2359, 94.1186, 100.0768



# Rectangle

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



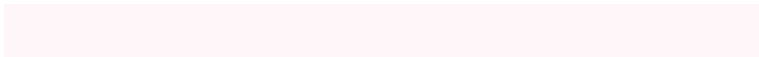
88.6141, 94.1186, 97.5006



87.5730, 94.1186, 101.0869



90.3050, 94.1186, 107.6244



91.3676, 94.1186, 103.8841

# Sweetspot

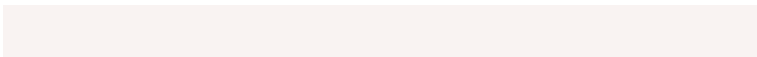
The Sweet Spot groups the original color and five complimentary colors.



88.6167, 94.1227, 97.5026



94.5077, 99.7676, 106.7458



87.1276, 90.6144, 96.9040



20.2343, 21.3568, 22.8707



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.



88.6167, 94.1227, 97.5026



93.4402, 99.3096, 102.5230



87.4111, 93.5011, 97.4462



19.0605, 20.3120, 20.6700



32.9610, 43.9103, 6.7383



3.1176, 4.1003, 0.6271



# Inverse Universe

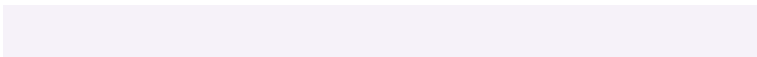
The Inverse Universe completely reimagines the original color for something new.



85.8167, 89.4010, 102.3604



90.2879, 93.9940, 107.9917



87.0122, 90.0173, 102.4164



18.2480, 18.9418, 22.0797



9.6063, 3.8949, 48.2190

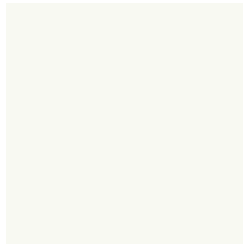


0.9575, 0.3957, 4.4691



# Previews

## White Background



This preview shows how the XYZ color 88.6141, 94.1186, 97.5006 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

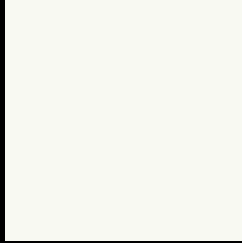
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 88.6141, 94.1186, 97.5006 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

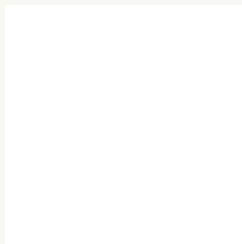
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 88.6141, 94.1186, 97.5006

## Background



This preview shows how black text looks on a background with the XYZ color 88.6141, 94.1186, 97.5006.



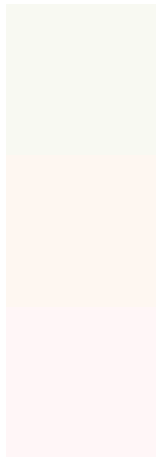
This preview shows how white text looks on a background with the XYZ color 88.6141, 94.1186,



# 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

88.6141, 94.1186, 97.5006

### Protanopia

90.0110, 93.9432, 96.6079

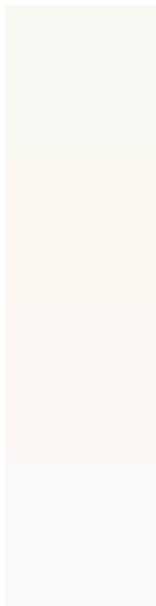
### Deuteranopia

90.9843, 93.8869, 101.3223

## Tritanopia

90.7351, 94.0655, 107.9820

# Trichromacy



## Original Color

88.6141, 94.1186, 97.5006

## Protanomaly

89.5895, 94.1811, 96.6760

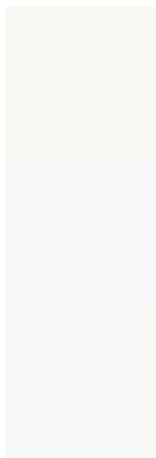
## Deuteranomaly

89.8871, 93.8095, 99.7557

## Tritanomaly

89.8896, 94.1767, 103.8827

# Monochromacy



## Original Color

88.6141, 94.1186, 97.5006

## Achromatopsia

89.2221, 93.8686, 102.2229

## Achromatomaly

88.9134, 93.7451, 100.5972

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 88.6141, 94.1186, 97.5006 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, 249, 242) looks like.

```
.text, #text, p{  
    color:rgb(248, 249, 242)  
}
```

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, 249, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 249, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 88.6141, 94.1186, 97.5006 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, 249, 242) }
```



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

```
.border{ border-color:rgb(248, 249, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 249, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 249, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 249, 242);  
box-shadow:4px 4px 4px 4px rgb(248, 249,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 88.6141, 94.1186, 97.5006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 249, 242) }
```

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

```
.background{ background-color: rgb(248,  
249, 242) }
```

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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