

# Converting Colors

XYZ(89.0006, 97.0942, 99.0050)

Have a look what the booklet for  
XYZ(89.0006, 97.0942, 99.0050)  
contains.

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# **Color**

**XYZ(88.8998, 97.0458,  
98.8402)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3FFF3
RGB	243, 255, 243
RGB Percent	95%, 100%, 95%
CMY	0.0471, 0.0000, 0.0471
CMYK	0.05, 0.00, 0.05, 0.00
HSL	120°, 100%, 98%
HSV	120°, 5%, 100%
XYZ	88.8998, 97.0458, 98.8402
YIQ	250.0440, -3.3000, -6.2760

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	243, 255, 255
Decimal	15990771
CIE <sub>Lab</sub>	98.85, -6.05, 4.36
CIE <sub>LCh</sub>	99, 7.455, 144.215
Y <sub>xy</sub>	97.0458, 0.3122, 0.3408
Android (android.graphics.Color)	4294180851 (0xFFFF3FFF3)
Y <sub>UV</sub>	250.0440, -3.4727, -6.1776
Hunter-Lab	98.5118, -11.3124, 9.4706

# Details

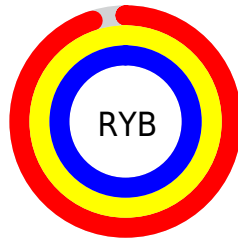
The XYZ color 88.8998, 97.0458, 98.8402 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 91.3410, 92.5820, 107.6634, and the grayscale version is 90.9319, 95.6674, 104.1818.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.6572, 54.5408, 54.9239 is the 20% darker color. If you saturate the color by 10%, you get 77.1144, 91.3846, 79.5635, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

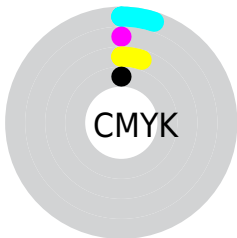
# Distribution



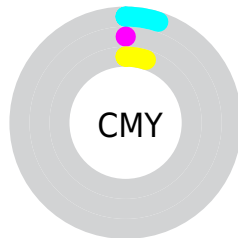
- Red (95%)
- Green (100%)
- Blue (95%)



- Red (95%)
- Yellow (100%)
- Blue (100%)



- Cyan (5%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)




- Cyan (5%)
- Magenta (0%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 88.8998, 97.0458, 98.8402 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 88.8998, 97.0458, 98.8402 by changing the saturation by 10% instead.




 88.8998, 97.0458,  
98.8402

 88.8998, 97.0458,  
98.8402


512.7368,  
550.6939, 577.6827

 67.4018, 73.8389,  
74.7208


144.6954,  
157.0879, 161.6004

 49.6831, 54.6622,  
54.8838


179.7236,  
194.6920, 201.0783

 35.3784, 39.1313,  
38.9108


219.9926,  
237.8638, 246.5127

 24.1224, 26.8619,  
26.3830

265.8678,  
286.9878, 298.3223

 15.5497, 17.4695,  
16.8821

317.7144,  
342.4484, 356.9256

 9.2949, 10.5698,  
9.9894

375.8979,

 4.9927, 5.7784,

404.6300, 422.7410

5.2864

440.7836,  
473.9171, 496.1872

■ 2.2777, 2.7108,  
2.3546

■ 0.7832, 0.9827,  
0.7616

■ 88.8998, 97.0458,  
98.8402

■ 88.8998, 97.0458,  
98.8402

■ 77.1144, 91.3846,  
79.5635

95.0500, 100.0000,  
108.9000

■ 67.0134, 86.5326,  
63.0416

■ 58.5205, 82.4530,  
49.1500

■ 51.5528, 79.1061,  
37.7531

■ 46.0201, 76.4484,  
28.7031

■ 41.8223, 74.4320,  
21.8369

■ 38.8470, 73.0028,  
16.9700

■ 36.9631, 72.0979,  
13.8883

■ 36.0094, 71.6398,  
12.3282

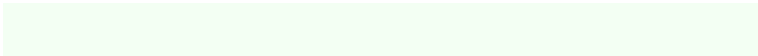
# Harmonies

## Analogous

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



90.5405, 97.0458, 95.1514



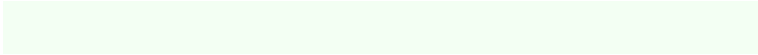
88.8998, 97.0458, 98.8402



88.1550, 97.0458, 104.4679

# Triad

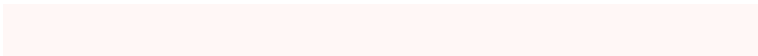
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.8998, 97.0458, 98.8402



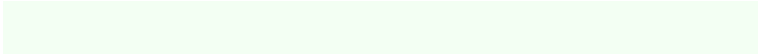
91.8197, 97.0458, 117.9903



96.0921, 97.0458, 100.8466

# Complementary

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



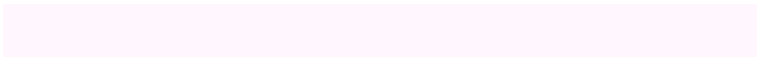
88.8998, 97.0458, 98.8402



91.3410, 92.5820, 107.6634

# Split Complementary

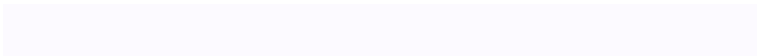
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.4475, 97.0458, 106.8740



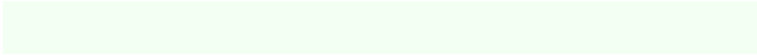
88.8998, 97.0458, 98.8402



93.9589, 97.0458, 116.9288

# Square

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



88.8998, 97.0458, 98.8402



89.8238, 97.0458, 115.6464



95.6610, 97.0458, 112.7998

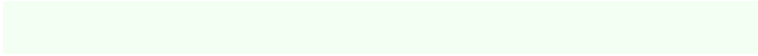


94.6974, 97.0458, 96.2777



# Rectangle

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



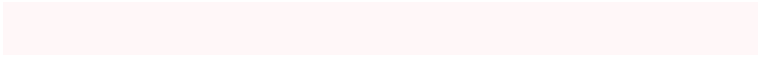
88.8998, 97.0458, 98.8402



88.2582, 97.0458, 108.6241



95.6610, 97.0458, 112.7998



96.3380, 97.0458, 102.7629

# Sweetspot

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



88.9006, 97.0461, 98.8417



93.7102, 99.3564, 106.7085



93.1779, 99.2512, 99.0416



20.0720, 21.2731, 22.8631



0.0000, 0.0000, 0.0000

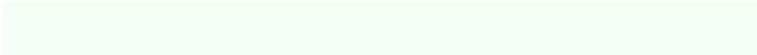


20.3446, 21.4041, 23.3091



# Same Dimension

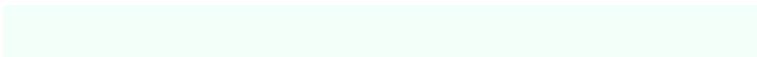
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.9006, 97.0461, 98.8417



87.2771, 96.2663, 96.1862



89.8217, 97.4145, 103.6919



18.5080, 20.5219, 20.3050



18.6854, 37.3708, 6.2286



1.8193, 3.6387, 0.6065



# Inverse Universe

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



91.3410, 92.5820, 107.6634



90.3618, 90.6237, 107.3369



90.3900, 92.2017, 102.6558



19.2368, 19.1886, 22.9397



30.9797, 14.8812, 50.6708

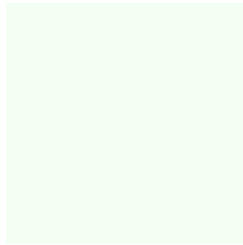


3.0164, 1.4489, 4.9337



# Previews

## White Background



This preview shows how the XYZ color 88.8998, 97.0458, 98.8402 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

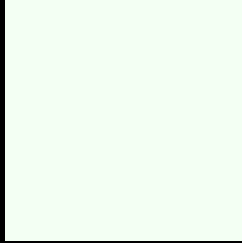
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 88.8998, 97.0458, 98.8402 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

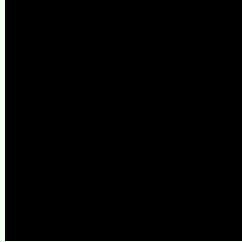
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

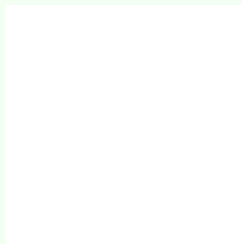
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 88.8998, 97.0458, 98.8402

## Background



This preview shows how black text looks on a background with the XYZ color 88.8998, 97.0458, 98.8402.



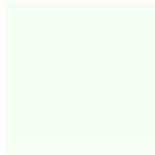
This preview shows how white text looks on a background with the XYZ color 88.8998, 97.0458,

98.8 02.

# 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

88.8998, 97.0458, 98.8402



### Protanopia

92.3717, 96.9082, 101.0254

### Deuteranopia

93.1498, 97.2194, 105.1225

## **Tritanopia**

92.3308, 96.7236, 108.4109

# Trichromacy



**Original Color**

88.8998, 97.0458, 98.8402

**Protanomaly**

91.0755, 96.7226, 100.2553

**Deuteranomaly**

91.5373, 96.9073, 102.6874

**Tritanomaly**

90.9344, 96.5423, 105.1086

# Monochromacy



**Original Color**

88.8998, 97.0458, 98.8402

**Achromatopsia**

90.8653, 95.5973, 104.1055

**Achromatomaly**

89.9567, 96.1104, 101.8056

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 88.8998, 97.0458, 98.8402 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(243, 255, 243)` looks like.

```
.text, #text, p{  
    color:rgb(243, 255, 243)  
}
```

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(243, 255, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 255, 243) }
```

## Border

The CSS property to change the border of an element to XYZ 88.8998, 97.0458, 98.8402 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(243, 255, 243) }
```



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

```
.border{ border-color:rgb(243, 255, 243) }
```

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

Here you see how a box with a 4 pixel rgb(243, 255, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 255, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 255, 243);  
box-shadow:4px 4px 4px 4px rgb(243, 255,  
243) }
```

# Background

The CSS property to change the background color of an element to XYZ 88.8998, 97.0458, 98.8402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 255, 243) }
```

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

```
.background{ background-color: rgb(243,  
255, 243) }
```

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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