

# Converting Colors

XYZ(89.3300, 97.2806, 98.2702)

Have a look what the booklet for  
XYZ(89.3300, 97.2806, 98.2702)  
contains.

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# Color

**XYZ(89.4432, 97.3433,  
98.0794)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5FFF2
RGB	245, 255, 242
RGB Percent	96%, 100%, 95%
CMY	0.0392, 0.0000, 0.0510
CMYK	0.04, 0.00, 0.05, 0.00
HSL	106°, 100%, 97%
HSV	106°, 5%, 100%
XYZ	89.4432, 97.3433, 98.0794
YIQ	250.5280, -1.7870, -6.1630

# Conversions

## Conversions Part 2

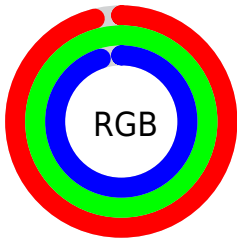
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 255, 252
Decimal	16121842
CIE Lab	98.96, -5.56, 5.06
CIE LCh	99, 7.516, 137.691
Yxy	97.3433, 0.3140, 0.3417
Android (android.graphics.Color)	4294311922 (0xFF5FF5FF2)
YUV	250.5280, -4.2043, -4.8481
Hunter-Lab	98.6627, -10.8396, 10.1244

# Details

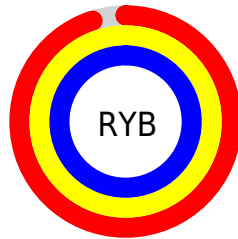
The XYZ color 89.4432, 97.3433, 98.0794 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 89.9477, 91.4209, 107.5130, and the grayscale version is 91.3373, 96.0940, 104.6463.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.0433, 54.7522, 54.3850 is the 20% darker color. If you saturate the color by 10%, you get 79.3916, 92.5736, 78.9906, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

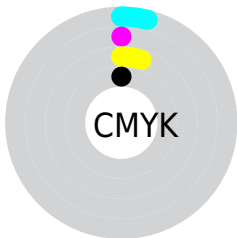
# Distribution



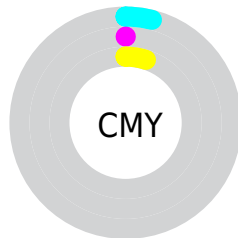
- Red (96%)
- Green (100%)
- Blue (95%)



- Red (95%)
- Yellow (100%)
- Blue (99%)



- Cyan (4%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)



- Cyan (4%)
- Magenta (0%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.4432, 97.3433, 98.0794 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 89.4432, 97.3433, 98.0794 by changing the saturation by 10% instead.



89.4432, 97.3433,  
98.0794

89.4432, 97.3433,  
98.0794

514.4829,  
551.6399, 575.2113

67.8537, 74.0868,  
74.0896

145.4470,  
157.4980, 160.5441

50.0519, 54.8651,  
54.3702

180.5920,  
195.1651, 199.8561

35.6726, 39.2937,  
38.5025

220.9862,  
238.4045, 245.1126

24.3504, 26.9883,  
26.0681

266.9950,  
287.6005, 296.7321

15.7199, 17.5644,  
16.6483

318.9837,  
343.1377, 355.1332

9.4158, 10.6377,  
9.8248

377.3177,

5.0726, 5.8238,

405.4004, 420.7344

5.1789

442.3623,  
474.7730, 493.9543

■ 2.3251, 2.7382,  
2.2920

■ 0.8075, 0.9967,  
0.7267

■ 89.4432, 97.3433,  
98.0794

■ 89.4432, 97.3433,  
98.0794

■ 79.3916, 92.5736,  
78.9906

95.0500, 100.0000,  
108.9000

■ 70.5542, 88.3707,  
62.6300

■ 62.8848, 84.7135,  
48.8743

■ 56.3332, 81.5790,  
37.5889

■ 50.8451, 78.9425,  
28.6274

■ 46.3618, 76.7771,  
21.8276

■ 42.8185, 75.0535,  
17.0065

■ 40.1419, 73.7385,  
13.9511

■ 38.2458, 72.7935,  
12.3989

# Harmonies

## Analogous

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



91.2484, 97.3433, 94.9130



89.4432, 97.3433, 98.0794



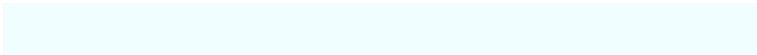
88.4692, 97.3433, 103.4405

# Triad

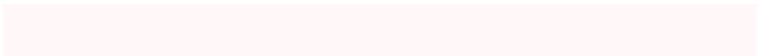
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.4432, 97.3433, 98.0794



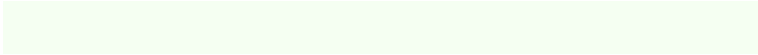
91.6272, 97.3433, 118.2124



96.5912, 97.3433, 102.3684

# Complementary

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



89.4432, 97.3433, 98.0794



89.9477, 91.4209, 107.5130

# Split Complementary

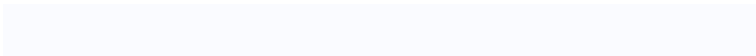
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.6965, 97.3433, 108.5817



89.4432, 97.3433, 98.0794



93.8072, 97.3433, 117.8976

# Square

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



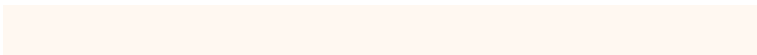
89.4432, 97.3433, 98.0794



89.7167, 97.3433, 115.1595



95.6704, 97.3433, 114.3156



95.3849, 97.3433, 97.3212

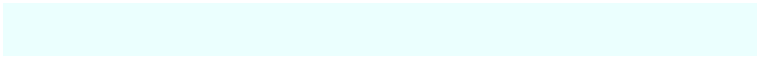


# Rectangle

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



89.4432, 97.3433, 98.0794



88.4120, 97.3433, 107.6121



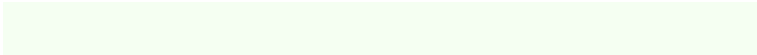
95.6704, 97.3433, 114.3156



96.7572, 97.3433, 104.3849

# Sweetspot

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



89.4440, 97.3437, 98.0809



92.8110, 98.9394, 104.5658



92.0674, 97.2711, 97.9286



19.8889, 21.1882, 22.4268



0.0000, 0.0000, 0.0000

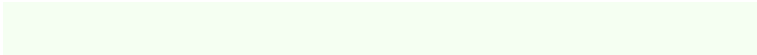


20.3446, 21.4041, 23.3091



# Same Dimension

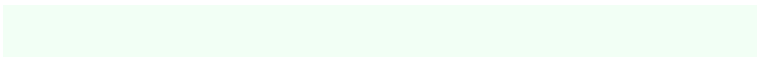
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.4440, 97.3437, 98.0809



88.4855, 96.8892, 96.2424



88.9316, 97.0188, 100.8006



18.7925, 20.6685, 20.3182



19.7299, 37.9092, 6.2773

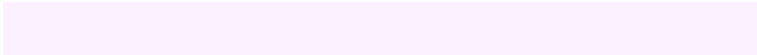


2.0117, 3.7378, 0.6154



# Inverse Universe

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



89.9477, 91.4209, 107.5130



89.0747, 89.9602, 107.2770



90.4896, 91.7641, 104.6516



18.9317, 19.0313, 22.9255



21.4847, 9.9863, 50.2298

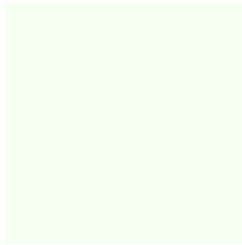


2.1868, 1.0212, 4.8951



# Previews

## White Background



This preview shows how the XYZ color 89.4432, 97.3433, 98.0794 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

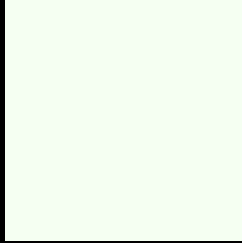
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.4432, 97.3433, 98.0794 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

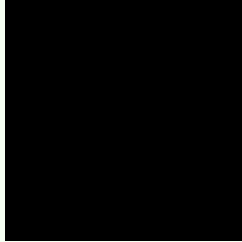
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

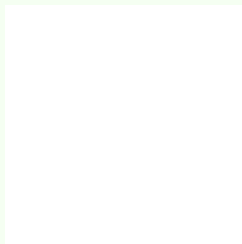
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 89.4432, 97.3433, 98.0794

## Background



This preview shows how black text looks on a background with the XYZ color 89.4432, 97.3433, 98.0794.



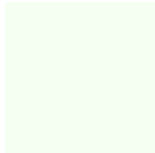
This preview shows how white text looks on a background with the XYZ color 89.4432, 97.3433,



# 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

89.4432, 97.3433, 98.0794



### Protanopia

92.5257, 96.9698, 101.8361

### Deuteranopia

93.1498, 97.2194, 105.1225

## **Tritanopia**

93.0053, 97.5363, 108.5322

# Trichromacy

## Original Color

89.4432, 97.3433, 98.0794

## Protanomaly

91.0755, 96.7226, 100.2553

## Deuteranomaly

91.5373, 96.9073, 102.6874

## Tritanomaly

91.4475, 97.2924, 104.4020

# Monochromacy

## Original Color

89.4432, 97.3433, 98.0794

## Achromatopsia

91.6934, 96.4686, 105.0543

## Achromatomaly

90.8206, 96.5379, 102.6538

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.4432, 97.3433, 98.0794 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, 242) looks like.

```
.text, #text, p{  
    color:rgb(245, 255, 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(245, 255, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 255, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 89.4432, 97.3433, 98.0794 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, 242) }
```



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

```
.border{ border-color:rgb(245, 255, 242) }
```

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, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(245, 255, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(245, 255, 242); box-shadow:4px 4px 4px 4px rgb(245, 255, 242) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.4432, 97.3433, 98.0794 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, 242) }
```

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

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