

# Converting Colors

XYZ(89.7171, 97.5241, 96.3001)

Have a look what the booklet for  
XYZ(89.7171, 97.5241, 96.3001)  
contains.

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# **Color**

**XYZ(89.8459, 97.5854,  
96.5386)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F7FFF0
RGB	247, 255, 240
RGB Percent	97%, 100%, 94%
CMY	0.0314, 0.0000, 0.0588
CMYK	0.03, 0.00, 0.06, 0.00
HSL	92°, 100%, 97%
HSV	92°, 6%, 100%
XYZ	89.8459, 97.5854, 96.5386
YIQ	250.8980, 0.0470, -6.3610

# Conversions

## Conversions Part 2

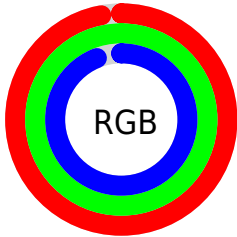
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	240, 255, 248
Decimal	16252912
CIE <sub>Lab</sub>	99.06, -5.23, 6.24
CIE <sub>LCh</sub>	99, 8.145, 129.991
Yxy	97.5854, 0.3164, 0.3436
Android (android.graphics.Color)	4294442992 (0xFFFF7FFF0)
YUV	250.8980, -5.3727, -3.4185
Hunter-Lab	98.7853, -10.5274, 11.2082

# Details

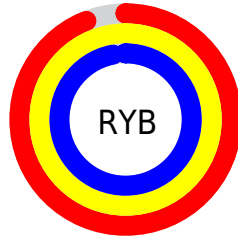
The XYZ color 89.8459, 97.5854, 96.5386 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 87.9223, 89.4979, 107.2486, and the grayscale version is 91.6524, 96.4255, 105.0073.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.3317, 54.9252, 53.2963 is the 20% darker color. If you saturate the color by 10%, you get 81.6974, 93.7921, 77.7527, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

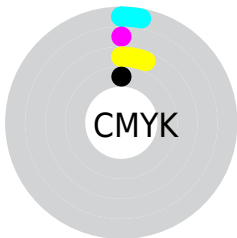
# Distribution



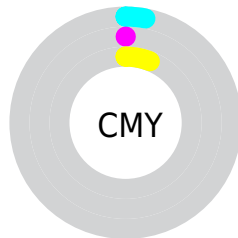
- Red (97%)
- Green (100%)
- Blue (94%)



- Red (94%)
- Yellow (100%)
- Blue (97%)



- Cyan (3%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)




- Cyan (3%)
- Magenta (0%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.8459, 97.5854, 96.5386 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 89.8459, 97.5854, 96.5386 by changing the saturation by 10% instead.




 89.8459, 97.5854,  
96.5386

 89.8459, 97.5854,  
96.5386


515.7748,  
552.4092, 570.1887

 68.1887, 74.2887,  
72.8123


146.0038,  
157.8316, 158.4023

 50.3255, 55.0303,  
53.3316


181.2351,  
195.5500, 197.3769

 35.8910, 39.4260,  
37.6780


221.7219,  
238.8442, 242.2712

 24.5197, 27.0913,  
25.4330

267.8295,  
288.0989, 293.5038

 15.8464, 17.6418,  
16.1780

319.9232,  
343.6983, 351.4933

 9.5057, 10.6931,  
9.4945

378.3685,

 5.1322, 5.8609,

406.0269, 416.6583

4.9639

443.5305,  
475.4691, 489.4172

■ 2.3606, 2.7607,  
2.1677

■ 0.8254, 1.0081,  
0.6557

■ 89.8459, 97.5854,  
96.5386

■ 89.8459, 97.5854,  
96.5386

■ 81.6974, 93.7921,  
77.7527

95.0500, 100.0000,  
108.9000

■ 74.4009, 90.3790,  
61.6688

■ 67.9259, 87.3332,  
48.1635

■ 62.2389, 84.6404,  
37.1024

■ 57.3039, 82.2852,  
28.3386

■ 53.0816, 80.2509,  
21.7095

■ 49.5282, 78.5189,  
17.0314

■ 46.5937, 77.0682,  
14.0891

■ 44.2175, 75.8734,  
12.6162

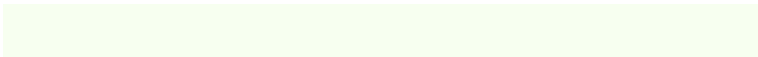
# Harmonies

## Analogous

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



91.9614, 97.5854, 93.8784



89.8459, 97.5854, 96.5386



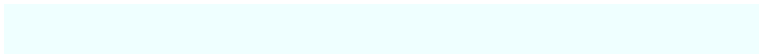
88.5238, 97.5854, 101.8382

# Triad

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



89.8459, 97.5854, 96.5386



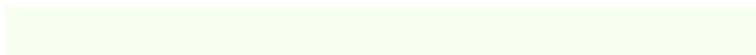
91.1971, 97.5854, 119.0326



97.3259, 97.5854, 103.9994

# Complementary

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



89.8459, 97.5854, 96.5386



87.9223, 89.4979, 107.2486

# 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.



97.1128, 97.5854, 110.7955



89.8459, 97.5854, 96.5386



93.5471, 97.5854, 119.6718

# Square

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



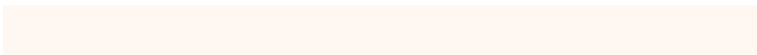
89.8459, 97.5854, 96.5386



89.2946, 97.5854, 114.8891



95.7201, 97.5854, 116.6001

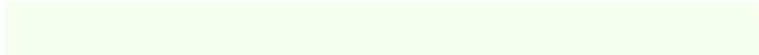


96.2975, 97.5854, 98.0626

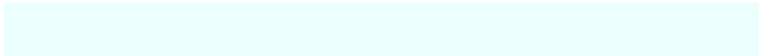


# Rectangle

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



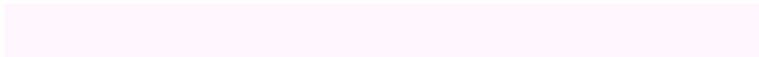
89.8459, 97.5854, 96.5386



88.2566, 97.5854, 106.2518



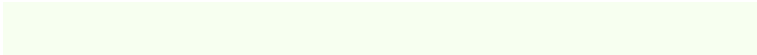
95.7201, 97.5854, 116.6001



97.3975, 97.5854, 106.2560

# Sweetspot

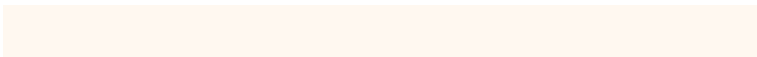
The Sweet Spot groups the original color and five complimentary colors.



89.8467, 97.5858, 96.5401



93.2460, 99.1636, 104.5862



90.4593, 94.5331, 95.9186



19.9774, 21.2339, 22.4309



0.0000, 0.0000, 0.0000

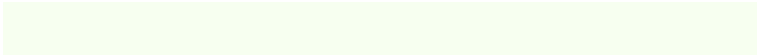


20.3446, 21.4041, 23.3091



# Same Dimension

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



89.8467, 97.5858, 96.5401



88.8920, 97.1422, 94.3009



87.4615, 96.3519, 96.6225



18.9172, 20.7416, 19.9287



22.8296, 39.5072, 6.4224



2.3475, 3.9109, 0.6312



# Inverse Universe

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



87.9223, 89.4979, 107.2486



86.6190, 87.5894, 106.9489



90.4104, 90.7852, 107.1551



18.3909, 18.5298, 22.8572



14.9106, 6.5972, 49.9221

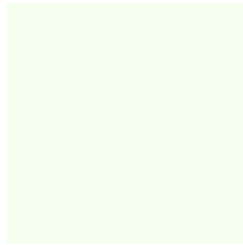


1.5780, 0.7074, 4.8666



# Previews

## White Background



This preview shows how the XYZ color 89.8459, 97.5854, 96.5386 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

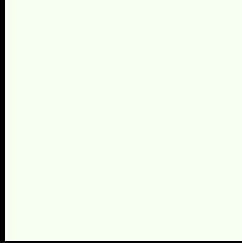
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.8459, 97.5854, 96.5386 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

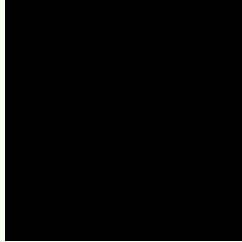
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 89.8459, 97.5854, 96.5386

## Background



This preview shows how black text looks on a background with the XYZ color 89.8459, 97.5854, 96.5386.



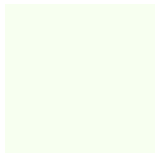
This preview shows how white text looks on a background with the XYZ color 89.8459, 97.5854,



# 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

89.8459, 97.5854, 96.5386



### Protanopia

92.8389, 97.5962, 101.9405

### Deuteranopia

93.1498, 97.2194, 105.1225

## **Tritanopia**

93.0053, 97.5363, 108.5322

# Trichromacy



**Original Color**

89.8459, 97.5854, 96.5386

**Protanomaly**

91.5993, 97.4777, 99.5752

**Deuteranomaly**

91.7438, 97.0317, 101.8893

**Tritanomaly**

91.8049, 97.4767, 104.4187

# Monochromacy



**Original Color**

89.8459, 97.5854, 96.5386

**Achromatopsia**

91.6934, 96.4686, 105.0543

**Achromatomaly**

91.0232, 96.6602, 101.8555

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.8459, 97.5854, 96.5386 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(247, 255, 240) looks like.

```
.text, #text, p{  
    color:rgb(247, 255, 240)  
}
```

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(247, 255, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 255, 240) }
```

## Border

The CSS property to change the border of an element to XYZ 89.8459, 97.5854, 96.5386 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(247, 255, 240) }
```



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

```
.border{ border-color:rgb(247, 255, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 255, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 255, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 255, 240);  
box-shadow:4px 4px 4px 4px rgb(247, 255,  
240) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.8459, 97.5854, 96.5386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 255, 240) }
```

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

```
.background{ background-color: rgb(247,  
255, 240) }
```

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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