

# Converting Colors

XYZ(98.6838, 115.5981,  
99.0864)

Have a look what the booklet for  
XYZ(98.6838, 115.5981, 99.0864)  
contains.

<b>XYZ(89.6978, 97.5262, 95.7582)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(89.6978, 97.5262,  
95.7582)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7FFEF
RGB	247, 255, 239
RGB Percent	97%, 100%, 94%
CMY	0.0314, 0.0000, 0.0627
CMYK	0.03, 0.00, 0.06, 0.00
HSL	90°, 100%, 97%
HSV	90°, 6%, 100%
XYZ	89.6978, 97.5262, 95.7582
YIQ	250.7840, 0.3680, -6.6720

# Conversions

## Conversions Part 2

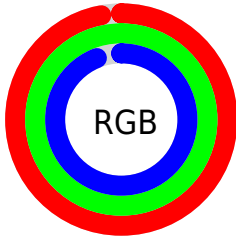
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	239, 255, 247
Decimal	16252911
CIE Lab	99.04, -5.40, 6.72
CIE LCh	99, 8.623, 128.808
Yxy	97.5262, 0.3170, 0.3446
Android (android.graphics.Color)	4294442991 (0xFF77FF)
YUV	250.7840, -5.8095, -3.3186
Hunter-Lab	98.7554, -10.6934, 11.6382

# Details

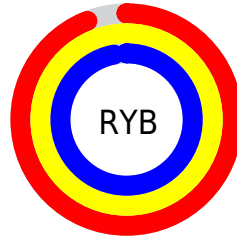
The XYZ color 89.6978, 97.5262, 95.7582 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 87.2749, 88.7283, 107.1341, and the grayscale version is 91.5612, 96.3295, 104.9028.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.2272, 54.8834, 52.7461 is the 20% darker color. If you saturate the color by 10%, you get 81.8487, 93.8848, 77.0930, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

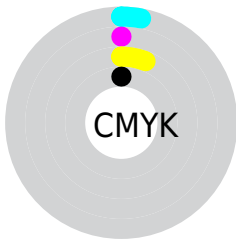
# Distribution



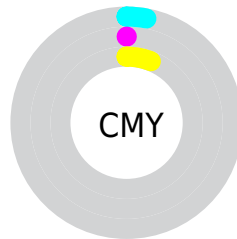
- Red (97%)
- Green (100%)
- Blue (94%)



- 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 89.6978, 97.5262, 95.7582 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 89.6978, 97.5262, 95.7582 by changing the saturation by 10% instead.




 89.6978, 97.5262,  
95.7582

 89.6978, 97.5262,  
95.7582


515.2999,  
552.2211, 567.6357

 68.0655, 74.2393,  
72.1658

145.7990,  
157.7501, 157.3162

 50.2249, 54.9899,  
52.8065


180.9987,  
195.4559, 196.1190

 35.8106, 39.3937,  
37.2616


221.4514,  
238.7367, 240.8289

 24.4574, 27.0661,  
25.1128

267.5227,  
287.9771, 291.8646

 15.7998, 17.6229,  
15.9413

319.5778,  
343.5613, 349.6446

 9.4726, 10.6796,  
9.3287

377.9822,

 5.1103, 5.8518,

405.8738, 414.5874

4.8565

443.1011,  
475.2989, 487.1116

■ 2.3475, 2.7552,  
2.1060

■ 0.8188, 1.0053,  
0.6194

■ 89.6978, 97.5262,  
95.7582

■ 89.6978, 97.5262,  
95.7582

■ 81.8487, 93.8848,  
77.0930

95.0500, 100.0000,  
108.9000

■ 74.8096, 90.6022,  
61.1231

■ 68.5513, 87.6660,  
47.7250

■ 63.0418, 85.0627,  
36.7637

■ 58.2464, 82.7775,  
28.0920

■ 54.1272, 80.7946,  
21.5466

■ 50.6419, 79.0962,  
16.9428

■ 47.7420, 77.6619,  
14.0642

■ 45.3685, 76.4673,  
12.6414

# Harmonies

## Analogous

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



91.9572, 97.5262, 93.0822



89.6978, 97.5262, 95.7582



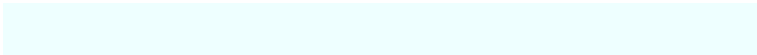
88.2594, 97.5262, 101.2610

# Triad

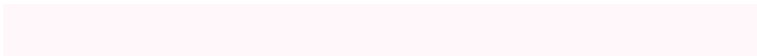
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.6978, 97.5262, 95.7582



90.9585, 97.5262, 119.6336



97.5574, 97.5262, 104.0827

# Complementary

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



89.6978, 97.5262, 95.7582



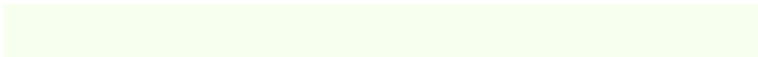
87.2749, 88.7283, 107.1341

# 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.



97.2783, 97.5262, 111.2753



89.6978, 97.5262, 95.7582



93.4382, 97.5262, 120.4728

# Square

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



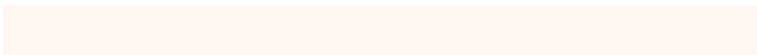
89.6978, 97.5262, 95.7582



88.9780, 97.5262, 115.1082



95.7597, 97.5262, 117.3520



96.5156, 97.5262, 97.7437



# Rectangle

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



89.6978, 97.5262, 95.7582



87.9443, 97.5262, 105.9016



95.7597, 97.5262, 117.3520



97.6153, 97.5262, 106.4778

# Sweetspot

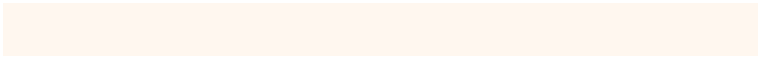
The Sweet Spot groups the original color and five complimentary colors.



89.6986, 97.5265, 95.7597



93.3078, 99.1955, 104.5891



89.9998, 93.8512, 95.0344



19.9900, 21.2404, 22.4315



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

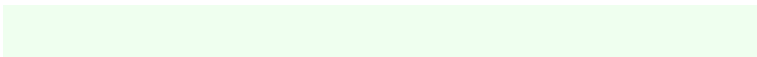
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.6986, 97.5265, 95.7597



88.2844, 96.8717, 92.3396



87.0276, 96.1496, 95.6347



18.6370, 20.6143, 19.1410



23.4706, 39.8376, 6.4524



2.4112, 3.9438, 0.6341



# Inverse Universe

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



87.2749, 88.7283, 107.1341



85.2301, 85.7843, 106.6736



90.0590, 90.1636, 107.2644



17.8683, 17.8239, 22.7485



14.2153, 6.2387, 49.8896

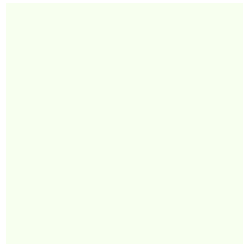


1.5100, 0.6724, 4.8635



# Previews

## White Background



This preview shows how the XYZ color 89.6978, 97.5262, 95.7582 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

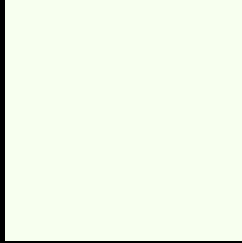
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.6978, 97.5262, 95.7582 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

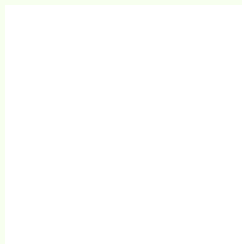
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 89.6978, 97.5262, 95.7582

## Background



This preview shows how black text looks on a background with the XYZ color 89.6978, 97.5262, 95.7582.



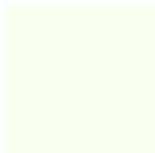
This preview shows how white text looks on a background with the XYZ color 89.6978, 97.5262,

95.7 82.

# 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

89.6978, 97.5262, 95.7582



### Protanopia

92.8389, 97.5962, 101.9405

### Deuteranopia

93.1498, 97.2194, 105.1225

## **Tritanopia**

93.0053, 97.5363, 108.5322

# Trichromacy



**Original Color**

89.6978, 97.5262, 95.7582

**Protanomaly**

91.5993, 97.4777, 99.5752

**Deuteranomaly**

91.7438, 97.0317, 101.8893

**Tritanomaly**

91.6485, 97.4141, 103.5949

# Monochromacy



**Original Color**

89.6978, 97.5262, 95.7582

**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 89.6978, 97.5262, 95.7582 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, 239)` looks like.

```
.text, #text, p{  
    color:rgb(247, 255, 239)  
}
```

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, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 255, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 89.6978, 97.5262, 95.7582 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, 239) }
```



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

```
.border{ border-color:rgb(247, 255, 239) }
```

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, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(247, 255,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.6978, 97.5262, 95.7582 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, 239) }
```

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

```
.background{ background-color: rgb(247,  
255, 239) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor