

# Converting Colors

XYZ(91.5520, 100.0000,  
96.1766)

Have a look what the booklet for  
XYZ(91.5520, 100.0000, 96.1766)  
contains.

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# Color

**XYZ(90.4069, 97.8917,  
95.7914)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9FFEF
RGB	249, 255, 239
RGB Percent	98%, 100%, 94%
CMY	0.0235, 0.0000, 0.0627
CMYK	0.02, 0.00, 0.06, 0.00
HSL	82°, 100%, 97%
HSV	82°, 6%, 100%
XYZ	90.4069, 97.8917, 95.7914
YIQ	251.3820, 1.5600, -6.2480

# Conversions

## Conversions Part 2

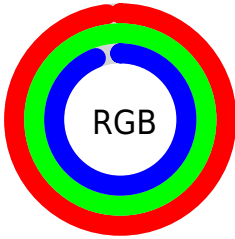
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	239, 255, 245
Decimal	16383983
CIE <sub>Lab</sub>	99.18, -4.73, 6.94
CIE <sub>LCh</sub>	99, 8.405, 124.280
Yxy	97.8917, 0.3182, 0.3446
Android (android.graphics.Color)	4294574063 (0xFF99FF99)
YUV	251.3820, -6.1043, -2.0890
Hunter-Lab	98.9402, -10.0406, 11.8551

# Details

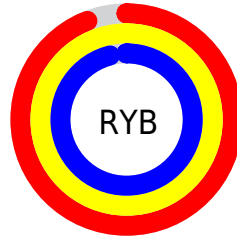
The XYZ color 90.4069, 97.8917, 95.7914 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 86.5734, 88.3667, 107.1013, and the grayscale version is 92.0597, 96.8540, 105.4740.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.7336, 55.1445, 52.7698 is the 20% darker color. If you saturate the color by 10%, you get 83.5794, 94.7770, 77.1740, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

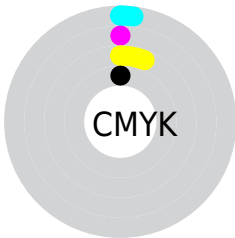
# Distribution



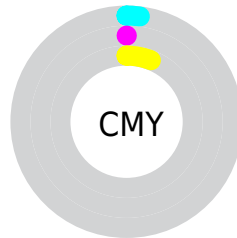
- Red (98%)
- Green (100%)
- Blue (94%)



- Red (94%)
- Yellow (100%)
- Blue (96%)



- Cyan (2%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)




- Cyan (2%)
- Magenta (0%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 90.4069, 97.8917, 95.7914 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 90.4069, 97.8917, 95.7914 by changing the saturation by 10% instead.




 90.4069, 97.8917,  
95.7914

 90.4069, 97.8917,  
95.7914


517.5718,  
553.3816, 567.7444

 68.6556, 74.5441,  
72.1933


146.7789,  
158.2536, 157.3625

 50.7069, 55.2395,  
52.8288


182.1304,  
196.0367, 196.1725

 36.1955, 39.5935,  
37.2793


222.7458,  
239.4004, 240.8903

 24.7560, 27.2217,  
25.1264

268.9908,  
288.7290, 291.9344

 16.0231, 17.7398,  
15.9513

321.2305,  
344.4071, 349.7233

 9.6315, 10.7633,  
9.3357

379.8303,

 5.2157, 5.9079,

406.8190, 414.6756

4.8610

445.1556,  
476.3490, 487.2098

■ 2.4104, 2.7892,  
2.1086

■ 0.8503, 1.0227,  
0.6209

■ 90.4069, 97.8917,  
95.7914

■ 90.4069, 97.8917,  
95.7914

■ 83.5794, 94.7770,  
77.1740

95.0500, 100.0000,  
108.9000

■ 77.4315, 91.9539,  
61.2458

■ 71.9377, 89.4117,  
47.8835

■ 67.0696, 87.1391,  
36.9522

■ 62.7967, 85.1233,  
28.3049

■ 59.0853, 83.3506,  
21.7786

■ 55.8973, 81.8054,  
17.1888

■ 53.1889, 80.4699,  
14.3192

■ 50.9059, 79.3220,  
12.9005

# Harmonies

## Analogous

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



92.6909, 97.8917, 93.6534



90.4069, 97.8917, 95.7914



88.8505, 97.8917, 100.8215

# Triad

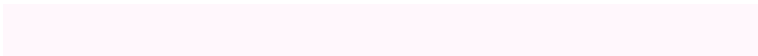
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.4069, 97.8917, 95.7914



91.0074, 97.8917, 119.2507



97.8354, 97.8917, 105.5807

# Complementary

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



90.4069, 97.8917, 95.7914



86.5734, 88.3667, 107.1013

# 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.



97.3656, 97.8917, 112.5691



90.4069, 97.8917, 95.7914



93.3962, 97.8917, 120.6606

# Square

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



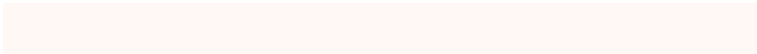
90.4069, 97.8917, 95.7914



89.1929, 97.8917, 114.3930



95.7301, 97.8917, 118.1656



97.0026, 97.8917, 99.1453



# Rectangle

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



90.4069, 97.8917, 95.7914



88.4200, 97.8917, 105.2442



95.7301, 97.8917, 118.1656



97.8247, 97.8917, 107.9420

# Sweetspot

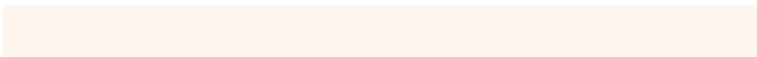
The Sweet Spot groups the original color and five complimentary colors.



90.4077, 97.8921, 95.7929



93.5396, 99.3150, 104.5999



89.4327, 92.7170, 94.8454



20.0372, 21.2647, 22.4337



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.



90.4077, 97.8921, 95.7929



89.1793, 97.3331, 92.3815



87.6620, 96.4766, 95.6644



18.8625, 20.7306, 19.1516



26.3674, 41.3310, 6.5880



2.6884, 4.0867, 0.6471



# Inverse Universe

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



86.5734, 88.3667, 107.1013



84.3474, 85.3292, 106.6323



89.3766, 89.8118, 107.2325



17.6465, 17.7095, 22.7382



12.0824, 5.1392, 49.7897

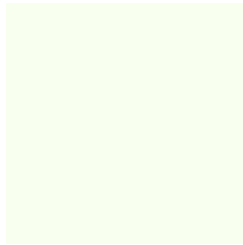


1.2927, 0.5603, 4.8533



# Previews

## White Background



This preview shows how the XYZ color 90.4069, 97.8917, 95.7914 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

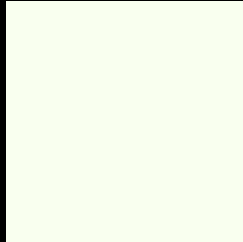
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 90.4069, 97.8917, 95.7914 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

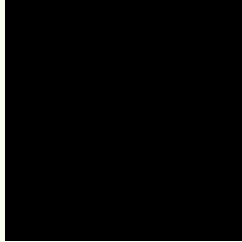
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 90.4069, 97.8917, 95.7914

## Background



This preview shows how black text looks on a background with the XYZ color 90.4069, 97.8917, 95.7914.



This preview shows how white text looks on a background with the XYZ color 90.4069, 97.8917,

95.714.

# 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**

90.4069, 97.8917, 95.7914

**Protanopia**

92.9937, 97.6581, 102.7555

**Deuteranopia**

93.6211, 97.9091, 106.0594

## **Tritanopia**

93.3684, 97.7235, 108.5492

# Trichromacy

## Original Color

90.4069, 97.8917, 95.7914

## Protanomaly

92.1147, 97.7258, 100.3942

## Deuteranomaly

92.4218, 97.8486, 102.0112

## Tritanomaly

92.3690, 97.7856, 103.6287

# Monochromacy

## Original Color

90.4069, 97.8917, 95.7914

## 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 90.4069, 97.8917, 95.7914 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(249, 255, 239) looks like.

```
.text, #text, p{  
    color:rgb(249, 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(249, 255, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 255, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 90.4069, 97.8917, 95.7914 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(249, 255, 239) }
```



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

```
.border{ border-color:rgb(249, 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(249, 255, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(249, 255, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(249, 255, 239); box-shadow:4px 4px 4px 4px rgb(249, 255, 239) }
```

# Background

The CSS property to change the background color of an element to XYZ 90.4069, 97.8917, 95.7914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 255, 239) }
```

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

```
.background{ background-color: rgb(249,  
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](#).

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