

# Converting Colors

XYZ(91.4420, 100.0000,  
99.5181)

Have a look what the booklet for  
XYZ(91.4420, 100.0000, 99.5181)  
contains.

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# **Color**

**XYZ(90.2954, 97.7652,  
98.9055)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7FFF3
RGB	247, 255, 243
RGB Percent	97%, 100%, 95%
CMY	0.0314, 0.0000, 0.0471
CMYK	0.03, 0.00, 0.05, 0.00
HSL	100°, 100%, 98%
HSV	100°, 5%, 100%
XYZ	90.2954, 97.7652, 98.9055
YIQ	251.2400, -0.9160, -5.4280

# Conversions

## Conversions Part 2

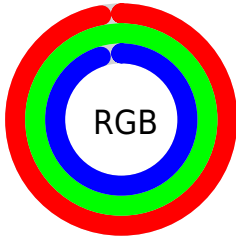
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	243, 255, 251
Decimal	16252915
CIE Lab	99.13, -4.72, 4.80
CIE LCh	99, 6.737, 134.504
Yxy	97.7652, 0.3147, 0.3407
Android (android.graphics.Color)	4294442995 (0xFFFF7FFF3)
YUV	251.2400, -4.0623, -3.7185
Hunter-Lab	98.8763, -10.0245, 9.9059

# Details

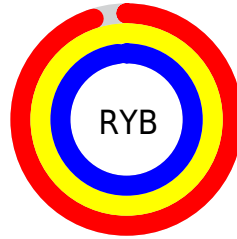
The XYZ color 90.2954, 97.7652, 98.9055 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 89.8849, 91.8316, 107.5956, and the grayscale version is 91.9266, 96.7140, 105.3215.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.6496, 55.0524, 54.9704 is the 20% darker color. If you saturate the color by 10%, you get 80.9835, 93.3792, 79.7441, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

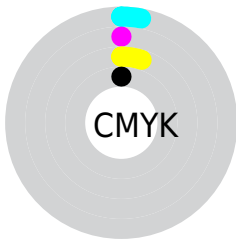
# Distribution



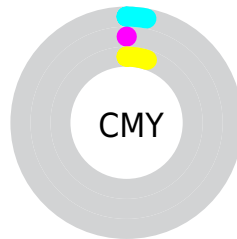
- Red (97%)
- Green (100%)
- Blue (95%)



- Red (95%)
- Yellow (100%)
- Blue (98%)



- Cyan (3%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)




- Cyan (3%)
- Magenta (0%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 90.2954, 97.7652, 98.9055 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 90.2954, 97.7652, 98.9055 by changing the saturation by 10% instead.




 90.2954, 97.7652,  
98.9055

 90.2954, 97.7652,  
98.9055


517.2149,  
552.9801, 577.8946

 68.5628, 74.4386,  
74.7750


146.6249,  
158.0794, 161.6910

 50.6310, 55.1531,  
54.9280


181.9525,  
195.8357, 201.1831

 36.1349, 39.5243,  
38.9458


222.5424,  
239.1707, 246.6328

 24.7090, 27.1678,  
26.4101

268.7601,  
288.4688, 298.4587

 15.9880, 17.6993,  
16.9022

320.9708,  
344.1144, 357.0793

 9.6064, 10.7343,  
10.0035

379.5399,

 5.1990, 5.8885,

406.4919, 422.9131

5.2957

444.8328,  
475.9857, 496.3787

■ 2.4005, 2.7774,  
2.3600

■ 0.8453, 1.0166,  
0.7645

■ 90.2954, 97.7652,  
98.9055

■ 90.2954, 97.7652,  
98.9055

■ 80.9835, 93.3792,  
79.7441

95.0500, 100.0000,  
108.9000

■ 72.7159, 89.4723,  
63.3076

■ 65.4548, 86.0278,  
49.4734

■ 59.1590, 83.0273,  
38.1079

■ 53.7846, 80.4512,  
29.0654

■ 49.2834, 78.2784,  
22.1850

■ 45.6026, 76.4855,  
17.2854

■ 42.6825, 75.0464,  
14.1554

■ 40.4526, 73.9304,  
12.5359

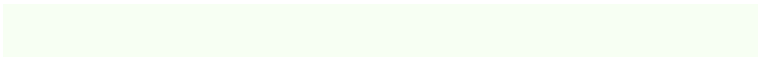
# Harmonies

## Analogous

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



91.9784, 97.7652, 96.2980



90.2954, 97.7652, 98.9055



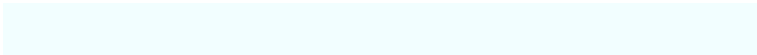
89.3236, 97.7652, 103.5802

# Triad

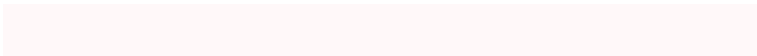
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.2954, 97.7652, 98.9055



91.9155, 97.7652, 117.2390



96.6350, 97.7652, 103.7584

# Complementary

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



90.2954, 97.7652, 98.9055



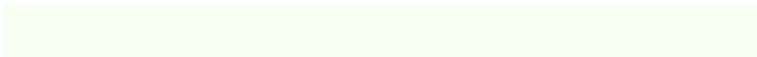
89.8849, 91.8316, 107.5956

# Split Complementary

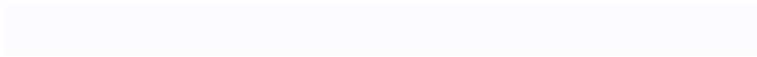
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.6176, 97.7652, 109.3717



90.2954, 97.7652, 98.9055



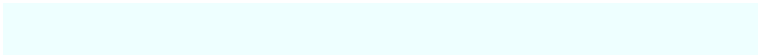
93.8739, 97.7652, 117.2909

# Square

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



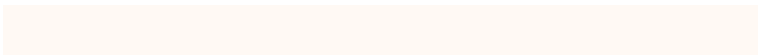
90.2954, 97.7652, 98.9055



90.2499, 97.7652, 114.2288



95.6009, 97.7652, 114.3681



95.6481, 97.7652, 99.0320



# Rectangle

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



90.2954, 97.7652, 98.9055



89.2011, 97.7652, 107.3030



95.6009, 97.7652, 114.3681



96.7468, 97.7652, 105.6009

# Sweetspot

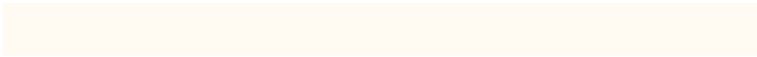
The Sweet Spot groups the original color and five complimentary colors.



90.2962, 97.7656, 98.9070



94.0194, 99.5158, 106.7229



91.8529, 96.6010, 98.6002



20.1349, 21.3056, 22.8660



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.



90.2962, 97.7656, 98.9070



89.0302, 97.1700, 96.2679



89.1739, 97.1555, 100.2804



18.9209, 20.7348, 20.3242



20.7837, 38.4525, 6.3267



2.1339, 3.8008, 0.6212



# Inverse Universe

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



89.8849, 91.8316, 107.5956



88.5103, 89.6692, 107.2506



91.0527, 92.4669, 106.1448



18.7980, 18.9624, 22.9193



18.2580, 8.3228, 50.0787



1.8937, 0.8701, 4.8814



# Previews

## White Background



This preview shows how the XYZ color 90.2954, 97.7652, 98.9055 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

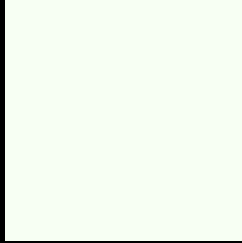
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 90.2954, 97.7652, 98.9055 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 90.2954, 97.7652, 98.9055

## Background



This preview shows how black text looks on a background with the XYZ color 90.2954, 97.7652, 98.9055.



This preview shows how white text looks on a background with the XYZ color 90.2954, 97.7652,



# 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

90.2954, 97.7652, 98.9055



### Protanopia

92.9937, 97.6581, 102.7555

### Deuteranopia

93.6211, 97.9091, 106.0594

## **Tritanopia**

93.0053, 97.5363, 108.5322

# Trichromacy

**Original Color**

90.2954, 97.7652, 98.9055

**Protanomaly**

91.9047, 97.5998, 101.1835

**Deuteranomaly**

92.3690, 97.7856, 103.6287

**Tritanomaly**

91.9622, 97.5396, 105.2469

# Monochromacy

**Original Color**

90.2954, 97.7652, 98.9055

**Achromatopsia**

91.6934, 96.4686, 105.0543

**Achromatomaly**

91.1780, 96.7221, 102.6706

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 90.2954, 97.7652, 98.9055 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, 243)` looks like.

```
.text, #text, p{  
    color:rgb(247, 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(247, 255, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 255, 243) }
```

## Border

The CSS property to change the border of an element to XYZ 90.2954, 97.7652, 98.9055 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, 243) }
```



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

```
.border{ border-color:rgb(247, 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(247, 255, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 255, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 255, 243);  
box-shadow:4px 4px 4px 4px rgb(247, 255,  
243) }
```

# Background

The CSS property to change the background color of an element to XYZ 90.2954, 97.7652, 98.9055 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, 243) }
```

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

```
.background{ background-color: rgb(247,  
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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