

# Converting Colors

XYZ(100.8063, 100.0000,  
98.1738)

Have a look what the booklet for  
XYZ(100.8063, 100.0000, 98.1738)  
contains.

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# Color

**XYZ(90.8344, 94.8056,  
97.5162)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF8F2
RGB	255, 248, 242
RGB Percent	100%, 97%, 95%
CMY	0.0000, 0.0274, 0.0510
CMYK	0.00, 0.03, 0.05, 0.00
HSL	28°, 100%, 97%
HSV	28°, 5%, 100%
XYZ	90.8344, 94.8056, 97.5162
YIQ	249.4090, 6.0980, -0.3820

# Conversions

## Conversions Part 2

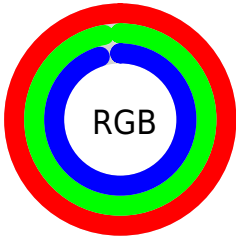
Format	Color
<a href="#">RYB</a>	<a href="#">255, 253, 242</a>
Decimal	<a href="#">16775410</a>
CIELab	<a href="#">97.96, 1.31, 3.69</a>
CIELCh	<a href="#">98, 3.919, 70.425</a>
Yxy	<a href="#">94.8056, 0.3208, 0.3348</a>
Android (android.graphics.Color)	<a href="#">4294965490</a> ( <a href="#">0xFFFFF8F2</a> )
YUV	<a href="#">249.4090, -3.6526, 4.9033</a>
Hunter-Lab	<a href="#">97.3682, -3.8723, 8.7776</a>

# Details

The XYZ color 90.8344, 94.8056, 97.5162 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.5429, 93.8462, 108.0552, and the grayscale version is 90.4065, 95.1147, 103.5799.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 51.0013, 53.2502, 54.0446 is the 20% darker color. If you saturate the color by 10%, you get 83.2038, 85.2522, 77.3764, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

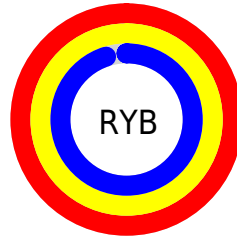
# Distribution



Red (100%)

Green (97%)

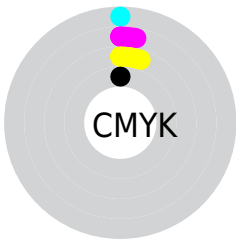
Blue (95%)



Red (100%)

Yellow (99%)

Blue (95%)

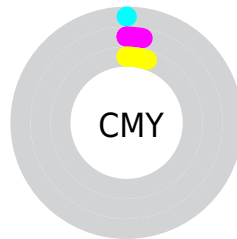


Cyan (0%)

Magenta (3%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (3%)


Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 90.8344, 94.8056, 97.5162 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 90.8344, 94.8056, 97.5162 by changing the saturation by 10% instead.



 90.8344, 94.8056,  
97.5162

 90.8344, 94.8056,  
97.5162


518.9389,  
543.5424, 573.3782

 69.0115, 71.9732,  
73.6226


147.3693,  
153.9960, 159.7616

 50.9977, 53.1368,  
53.9903


182.8120,  
191.1228, 198.9505

 36.4278, 37.9120,  
38.2007


223.5254,  
233.7831, 244.0749

 24.9364, 25.9144,  
25.8355

269.8747,  
282.3615, 295.5533

 16.1582, 16.7596,  
16.4759

322.2253,  
337.2422, 353.8043

 9.7277, 10.0632,  
9.7036

380.9427,

 5.2797, 5.4409,

398.8096, 419.2464

5.0998

446.3921,  
467.4483, 492.2982

■ 2.4487, 2.5082,  
2.2462

■ 0.8695, 0.8807,  
0.7008

■ 90.8344, 94.8056,  
97.5162

■ 90.8344, 94.8056,  
97.5162

■ 83.2038, 85.2522,  
77.3764

95.0500, 100.0000,  
108.9000

■ 76.3859, 76.5051,  
60.0322

■ 70.3524, 68.5451,  
45.3598

■ 65.0710, 61.3481,  
33.2234

■ 60.5069, 54.8883,  
23.4752

■ 56.6218, 49.1384,  
15.9519

■ 53.3733, 44.0685,  
10.4695

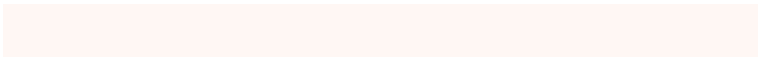
■ 50.7130, 39.6461,  
6.8135

■ 48.5825, 35.8339,  
4.7202

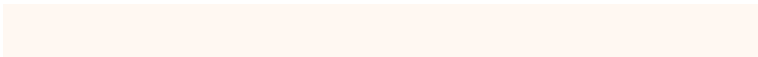
# Harmonies

## Analogous

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



91.7617, 94.8056, 99.2735



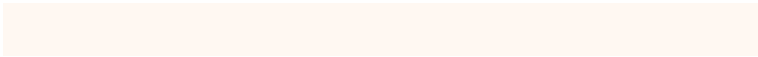
90.8344, 94.8056, 97.5162



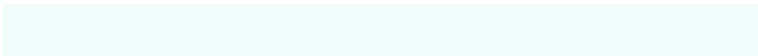
89.7202, 94.8056, 97.2709

# Triad

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



90.8344, 94.8056, 97.5162



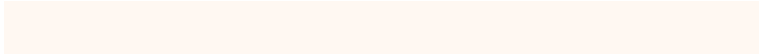
88.0054, 94.8056, 104.3489



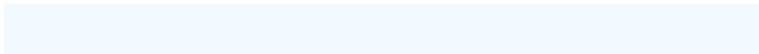
91.5156, 94.8056, 108.0010

# Complementary

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



90.8344, 94.8056, 97.5162



88.5429, 93.8462, 108.0552

# 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.



90.5007, 94.8056, 109.4218



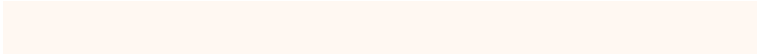
90.8344, 94.8056, 97.5162



88.4780, 94.8056, 107.2845

# Square

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



90.8344, 94.8056, 97.5162



88.0931, 94.8056, 101.1715



89.3892, 94.8056, 109.1569

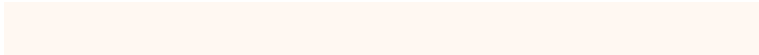


92.1572, 94.8056, 105.3105



# Rectangle

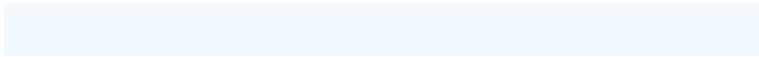
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.8344, 94.8056, 97.5162



89.0221, 94.8056, 97.9922



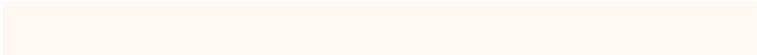
89.3892, 94.8056, 109.1569



91.2065, 94.8056, 108.6454

# Sweetspot

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



90.8365, 94.8095, 97.5182



93.3705, 97.9375, 104.3430



90.1151, 91.6143, 102.6796



20.0028, 20.9844, 22.3814



0.0000, 0.0000, 0.0000

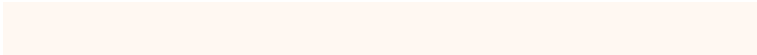


20.3446, 21.4041, 23.3091



# Same Dimension

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



90.8365, 94.8095, 97.5182



90.1134, 93.9129, 95.5821



92.8203, 98.7769, 98.1795



19.1769, 19.9633, 20.1618



25.0669, 18.1451, 2.1812



2.5486, 1.9825, 0.2483



# Inverse Universe

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



88.5429, 93.8462, 108.0552



87.4300, 92.7860, 107.9092



86.6150, 89.9904, 107.4125



18.5428, 19.6970, 23.0745



14.2723, 13.4542, 51.2793

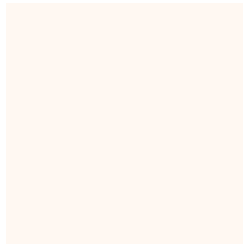


1.4990, 1.5287, 5.0293



# Previews

## White Background



This preview shows how the XYZ color 90.8344, 94.8056, 97.5162 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

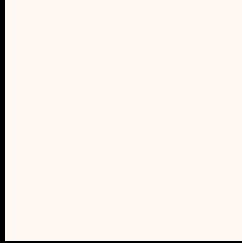
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 90.8344, 94.8056, 97.5162 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

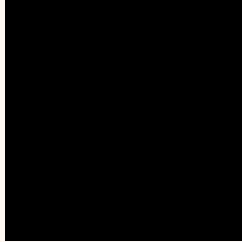
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 90.8344, 94.8056, 97.5162

## Background



This preview shows how black text looks on a background with the XYZ color 90.8344, 94.8056, 97.5162.



This preview shows how white text looks on a background with the XYZ color 90.8344, 94.8056,



# 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**

90.8344, 94.8056, 97.5162

**Protanopia**

90.8344, 94.8056, 97.5162

**Deuteranopia**

91.4440, 94.5588, 102.2390

## Tritanopia

91.8188, 94.6242, 108.0327

# Trichromacy

A vertical color bar on the left side of the Trichromacy section, divided into four horizontal segments. From top to bottom, the segments are: a light orange segment, a light orange segment, a light pink segment, and a light pink segment. The top two segments correspond to the 'Original Color' and 'Protanomaly' rows, and the bottom two segments correspond to the 'Deuteranomaly' and 'Tritanomaly' rows.

**Original Color**

90.8344, 94.8056, 97.5162

**Protanomaly**

90.8344, 94.8056, 97.5162

**Deuteranomaly**

91.1353, 94.4353, 100.6133

**Tritanomaly**

91.3891, 94.4945, 103.8650

# Monochromacy

A vertical color bar on the left side of the Monochromacy section, divided into two horizontal segments. The top segment is light orange and corresponds to the 'Original Color' row. The bottom segment is light grey and corresponds to the 'Achromatopsia' and 'Achromatomaly' rows.

**Original Color**

90.8344, 94.8056, 97.5162

**Achromatopsia**

90.0415, 94.7307, 103.1617

**Achromatomaly**

90.2939, 94.9144, 100.7501

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 90.8344, 94.8056, 97.5162 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(255, 248, 242) looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 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(255, 248, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 90.8344, 94.8056, 97.5162 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(255, 248, 242) }
```



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

```
.border{ border-color:rgb(255, 248, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 248, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 242);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 90.8344, 94.8056, 97.5162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 242) }
```

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

```
.background{ background-color: rgb(255,  
248, 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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