

# Converting Colors

XYZ(89.8985, 92.8733, 97.3907)

Have a look what the booklet for  
XYZ(89.8985, 92.8733, 97.3907)  
contains.

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# **Color**

**XYZ(89.9194, 92.9756,  
97.2112)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF5F2
RGB	255, 245, 242
RGB Percent	100%, 96%, 95%
CMY	0.0000, 0.0392, 0.0510
CMYK	0.00, 0.04, 0.05, 0.00
HSL	14°, 100%, 97%
HSV	14°, 5%, 100%
XYZ	89.9194, 92.9756, 97.2112
YIQ	247.6480, 6.9230, 1.1870

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 246, 242
Decimal	16774642
CIE <sub>Lab</sub>	97.22, 2.83, 2.62
CIE <sub>LCh</sub>	97, 3.861, 42.758
Yxy	92.9756, 0.3210, 0.3319
Android (android.graphics.Color)	4294964722 (0xFFFFF5F2)
YUV	247.6480, -2.7845, 6.4477
Hunter-Lab	96.4239, -2.2828, 7.7226

# Details

The XYZ color 89.9194, 92.9756, 97.2112 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 89.4776, 95.7156, 108.3667, and the grayscale version is 88.9557, 93.5883, 101.9177.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.3492, 51.9461, 53.8273 is the 20% darker color. If you saturate the color by 10%, you get 80.7331, 80.3108, 76.5528, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

# Distribution



Red (100%)

Green (96%)

Blue (95%)



Red (100%)

Yellow (96%)

Blue (95%)



Cyan (0%)

Magenta (4%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (4%)


Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.9194, 92.9756, 97.2112 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 89.9194, 92.9756, 97.2112 by changing the saturation by 10% instead.




 89.9194, 92.9756,  
97.2112

 89.9194, 92.9756,  
97.2112


516.0104,  
537.6636, 572.3841

 68.2499, 70.4512,  
73.3697


146.1053,  
151.4648, 159.3377

 50.3754, 51.8945,  
53.7847


181.3525,  
188.1985, 198.4598

 35.9308, 36.9210,  
38.0375


221.8561,  
230.4373, 243.5125

 24.5506, 25.1463,  
25.7098

267.9817,  
278.5658, 294.9144

 15.8695, 16.1861,  
16.3828

320.0946,  
332.9682, 353.0839

 9.5221, 9.6559,  
9.6382

378.5601,

 5.1431, 5.1714,

394.0291, 418.4397

5.0573

443.7436,  
462.1327, 491.4002

■ 2.3671, 2.3482,  
2.2216

■ 0.8287, 0.7990,  
0.6868

■ 89.9194, 92.9756,  
97.2112

■ 89.9194, 92.9756,  
97.2112

■ 80.7331, 80.3108,  
76.5528

95.0500, 100.0000,  
108.9000

■ 72.6659, 69.0651,  
58.7922

■ 65.6758, 59.1919,  
43.8009

■ 59.7160, 50.6379,  
31.4383

■ 54.7358, 43.3462,  
21.5515

■ 50.6804, 37.2557,  
13.9715

■ 47.4890, 32.2998,  
8.5080

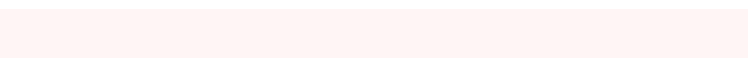
■ 45.0925, 28.4053,  
4.9400

■ 43.4101, 25.4891,  
2.9960

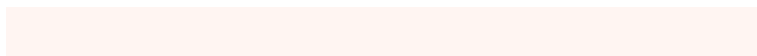
# Harmonies

## Analogous

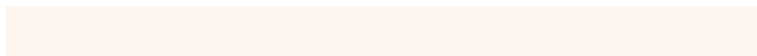
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.4319, 92.9756, 99.9139



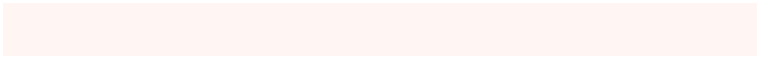
89.9194, 92.9756, 97.2112



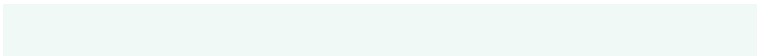
88.9936, 92.9756, 95.6056

# Triad

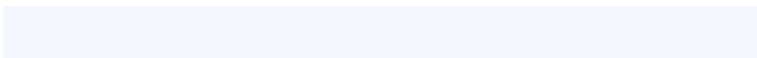
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.9194, 92.9756, 97.2112



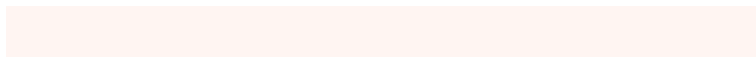
86.3825, 92.9756, 99.4646



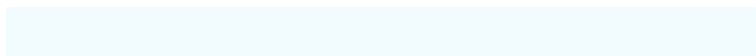
88.8345, 92.9756, 107.2067

# Complementary

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



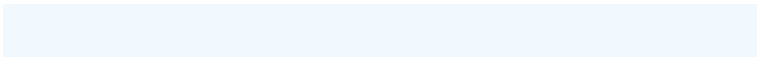
89.9194, 92.9756, 97.2112



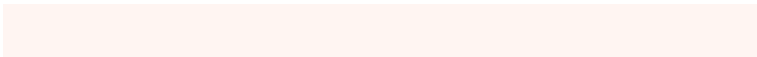
89.4776, 95.7156, 108.3667

# Split Complementary

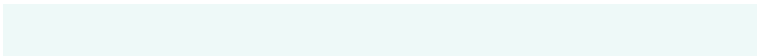
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.7503, 92.9756, 107.0804



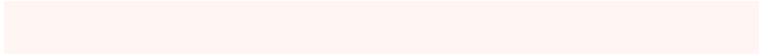
89.9194, 92.9756, 97.2112



86.3407, 92.9756, 102.5669

# Square

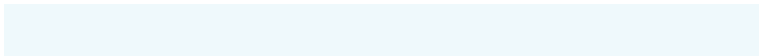
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



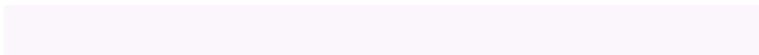
89.9194, 92.9756, 97.2112



86.9543, 92.9756, 96.8881



86.8395, 92.9756, 105.3676

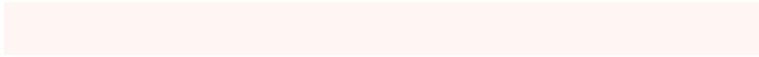


89.8021, 92.9756, 105.7092



# Rectangle

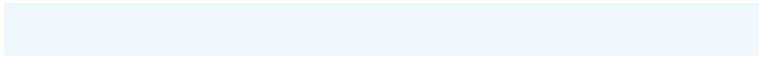
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.9194, 92.9756, 97.2112



88.2696, 92.9756, 95.3527



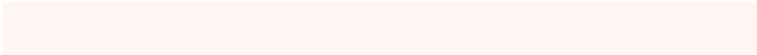
86.8395, 92.9756, 105.3676



88.4715, 92.9756, 107.3536

# Sweetspot

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



89.9215, 92.9794, 97.2132



93.0014, 97.1995, 104.2200



90.5925, 91.8052, 105.1936



19.9276, 20.8341, 22.3564



0.0000, 0.0000, 0.0000

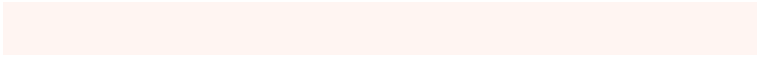


20.3446, 21.4041, 23.3091

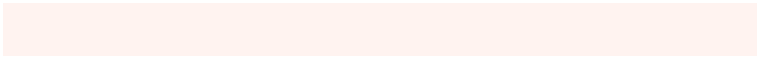


# Same Dimension

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



89.9215, 92.9794, 97.2132



89.0450, 91.7762, 95.2260



91.8636, 96.8636, 97.8606



18.9248, 19.4591, 20.0778



22.4571, 12.9254, 1.3112



2.2652, 1.4158, 0.1539

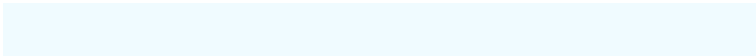


# Inverse Universe

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



89.4776, 95.7156, 108.3667



88.5256, 94.9772, 108.2744



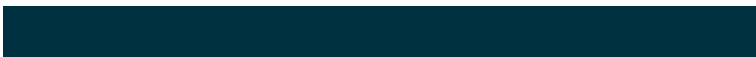
87.5284, 91.8173, 107.7170



18.8021, 20.2155, 23.1609



19.8723, 24.6542, 53.1459

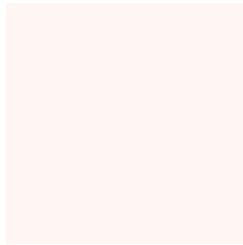


2.0173, 2.5652, 5.2021



# Previews

## White Background



This preview shows how the XYZ color 89.9194, 92.9756, 97.2112 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

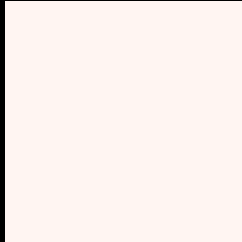
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.9194, 92.9756, 97.2112 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

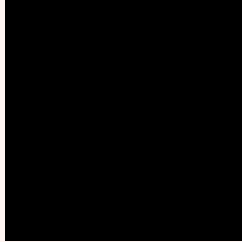
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

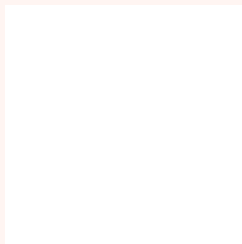
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 89.9194, 92.9756, 97.2112

## Background



This preview shows how black text looks on a background with the XYZ color 89.9194, 92.9756, 97.2112.



This preview shows how white text looks on a background with the XYZ color 89.9194, 92.9756,



# 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

89.9194, 92.9756, 97.2112

### Protanopia

89.1277, 93.0178, 97.2611

### Deuteranopia

90.5270, 93.2186, 100.4105



## Tritanopia

90.9087, 92.8040, 107.7293

# Trichromacy

A vertical rectangular bar with a color gradient from light orange at the top to light pink at the bottom.

**Original Color**

89.9194, 92.9756, 97.2112

**Protanomaly**

89.4908, 93.2050, 97.2781

**Deuteranomaly**

90.3738, 93.1574, 99.6042

**Tritanomaly**

90.4791, 92.6743, 103.5617

# Monochromacy

A vertical rectangular bar with a color gradient from light orange at the top to light grey at the bottom.

**Original Color**

89.9194, 92.9756, 97.2112

**Achromatopsia**

89.2221, 93.8686, 102.2229

**Achromatomaly**

89.6790, 93.6846, 100.5451

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.9194, 92.9756, 97.2112 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, 245, 242) looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 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, 245, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 89.9194, 92.9756, 97.2112 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, 245, 242) }
```



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

```
.border{ border-color:rgb(255, 245, 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, 245, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 242);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.9194, 92.9756, 97.2112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 245, 242) }
```

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

```
.background{ background-color: rgb(255,  
245, 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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