

# Converting Colors

XYZ(104.3199, 100.0000,  
94.5652)

Have a look what the booklet for  
XYZ(104.3199, 100.0000, 94.5652)  
contains.

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# Color

**XYZ(89.0233, 92.1344,  
93.9806)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF4EE
RGB	255, 244, 238
RGB Percent	100%, 96%, 93%
CMY	0.0000, 0.0431, 0.0667
CMYK	0.00, 0.04, 0.07, 0.00
HSL	21°, 100%, 97%
HSV	21°, 7%, 100%
XYZ	89.0233, 92.1344, 93.9806
YIQ	246.6050, 8.4820, 0.4660

# Conversions

## Conversions Part 2

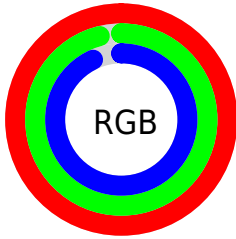
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 247, 238
Decimal	16774382
CIE <sub>Lab</sub>	96.88, 2.67, 4.19
CIE <sub>LCh</sub>	97, 4.969, 57.433
Yxy	92.1344, 0.3236, 0.3349
Android (android.graphics.Color)	4294964462 (0xFFFFF4EE)
YUV	246.6050, -4.2423, 7.3624
Hunter-Lab	95.9867, -2.4260, 9.1398

# Details

The XYZ color 89.0233, 92.1344, 93.9806 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 87.1848, 93.1461, 107.9916, and the grayscale version is 88.1178, 92.7067, 100.9576.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.7154, 51.3496, 51.5471 is the 20% darker color. If you saturate the color by 10%, you get 80.7968, 81.2583, 74.0457, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

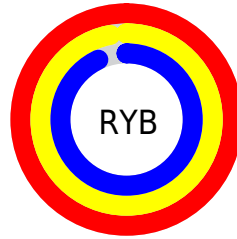
# Distribution



Red (100%)

Green (96%)

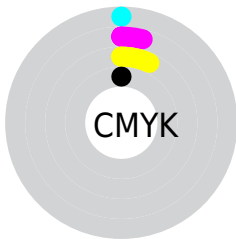
Blue (93%)



Red (100%)

Yellow (97%)

Blue (93%)

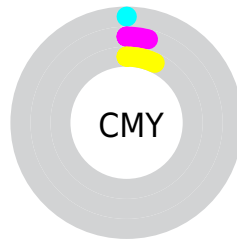


Cyan (0%)

Magenta (4%)

Yellow (7%)

Black (0%)



Cyan (0%)

Magenta (4%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.0233, 92.1344, 93.9806 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 89.0233, 92.1344, 93.9806 by changing the saturation by 10% instead.



89.0233, 92.1344,  
93.9806

89.0233, 92.1344,  
93.9806

513.1339,  
534.9498, 561.7971

67.5045, 69.7523,  
70.6946

144.8662,  
150.2997, 154.8389

49.7669, 51.3246,  
51.6127

179.9210,  
186.8516, 193.2484

35.4453, 36.4670,  
36.3164

220.2185,  
228.8955, 237.5361

24.1742, 24.7951,  
24.3870

266.1241,  
276.8159, 288.1206

15.5883, 15.9245,  
15.4061

318.0030,  
330.9971, 345.4204

9.3223, 9.4707,  
8.9551

376.2208,

5.0108, 5.0495,

391.8236, 409.8540

4.6155

441.1426,  
459.6797, 481.8401

■ 2.2884, 2.2763,  
1.9687

■ 0.7887, 0.7611,  
0.5359

■ 89.0233, 92.1344,  
93.9806

■ 89.0233, 92.1344,  
93.9806

■ 80.7968, 81.2583,  
74.0457

95.0500, 100.0000,  
108.9000

■ 73.5093, 71.4469,  
56.9309

■ 67.1270, 62.6701,  
42.5092

■ 61.6116, 54.8926,  
30.6413

■ 56.9219, 48.0768,  
21.1751

■ 53.0129, 42.1822,  
13.9426

■ 49.8347, 37.1653,  
8.7533

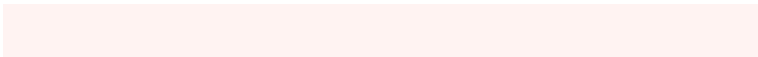
■ 47.3302, 32.9783,  
5.3844

■ 45.4306, 29.5666,  
3.5566

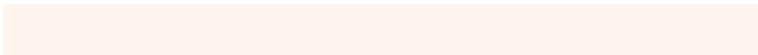
# Harmonies

## Analogous

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



89.9742, 92.1344, 96.8197



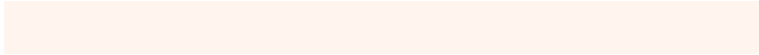
89.0233, 92.1344, 93.9806



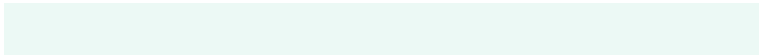
87.6912, 92.1344, 92.8358

# Triad

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



89.0233, 92.1344, 93.9806



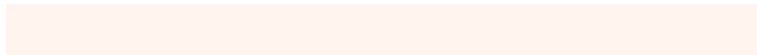
84.9176, 92.1344, 99.9750



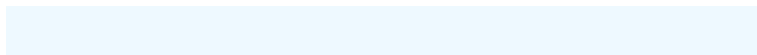
88.8131, 92.1344, 107.2950

# Complementary

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



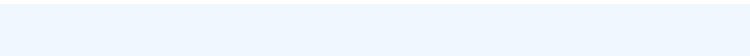
89.0233, 92.1344, 93.9806



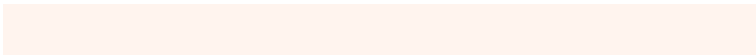
87.1848, 93.1461, 107.9916

# Split Complementary

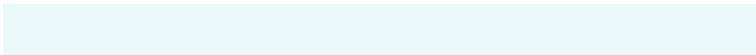
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.4509, 92.1344, 108.1933



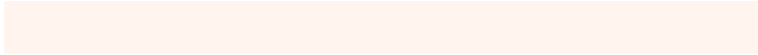
89.0233, 92.1344, 93.9806



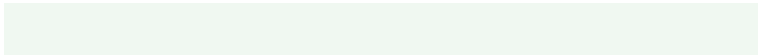
85.2110, 92.1344, 103.9010

# Square

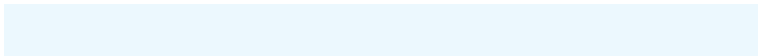
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.0233, 92.1344, 93.9806



85.3290, 92.1344, 96.2388



86.1345, 92.1344, 106.9355

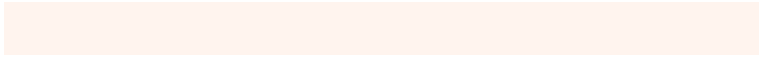


89.8519, 92.1344, 104.5124



# Rectangle

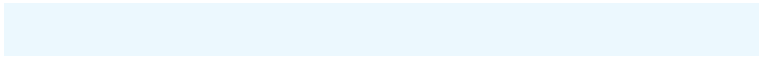
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.0233, 92.1344, 93.9806



86.7695, 92.1344, 93.1641



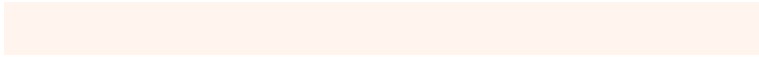
86.1345, 92.1344, 106.9355



88.3774, 92.1344, 107.8305

# Sweetspot

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



89.0254, 92.1382, 93.9826



93.1964, 97.5893, 104.2849



88.9218, 89.2528, 102.2048



19.9673, 20.9135, 22.3696



0.0000, 0.0000, 0.0000

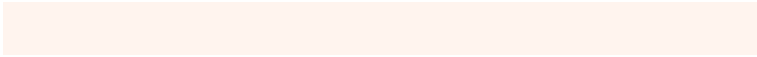


20.3446, 21.4041, 23.3091

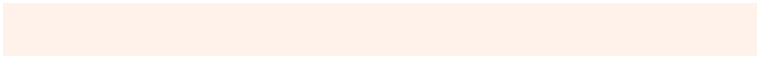


# Same Dimension

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



89.0254, 92.1382, 93.9826



87.8721, 90.6239, 91.1554



91.6248, 97.3371, 94.8490



18.5343, 19.0367, 18.8419



23.5891, 15.1895, 1.6886

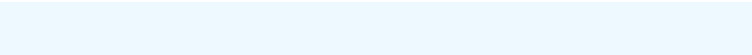


2.3951, 1.6755, 0.1972

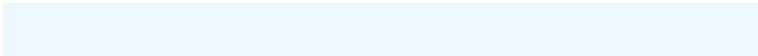


# Inverse Universe

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



87.1848, 93.1461, 107.9916



85.6831, 91.8224, 107.8153



84.6332, 88.0428, 107.1411



17.9833, 19.3383, 23.0348



16.6009, 18.1114, 52.0555

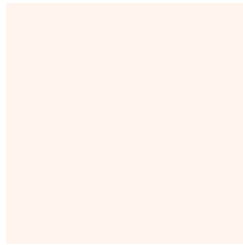


1.7193, 1.9693, 5.1028



# Previews

## White Background



This preview shows how the XYZ color 89.0233, 92.1344, 93.9806 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

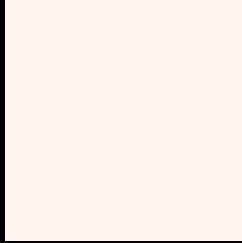
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.0233, 92.1344, 93.9806 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

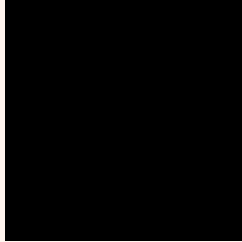
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

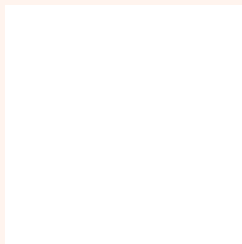
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 89.0233, 92.1344, 93.9806

## Background



This preview shows how black text looks on a background with the XYZ color 89.0233, 92.1344, 93.9806.



This preview shows how white text looks on a background with the XYZ color 89.0233, 92.1344,



# 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**

89.0233, 92.1344, 93.9806

**Protanopia**

88.3773, 92.2323, 94.8060

**Deuteranopia**

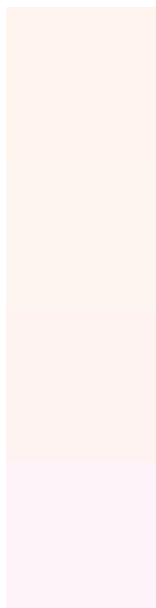
89.6197, 91.8928, 98.6016



## Tritanopia

90.9736, 92.3920, 107.6464

# Trichromacy



## Original Color

89.0233, 92.1344, 93.9806

## Protanomaly

88.7404, 92.4195, 94.8230

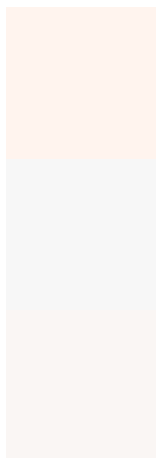
## Deuteranomaly

89.3176, 91.7720, 97.0106

## Tritanomaly

90.0225, 92.0116, 102.6378

# Monochromacy



## Original Color

89.0233, 92.1344, 93.9806

## Achromatopsia

88.4070, 93.0111, 101.2891

## Achromatomaly

88.7092, 92.7672, 98.8183

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.0233, 92.1344, 93.9806 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, 244, 238) looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 238)  
}
```

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, 244, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 238) }
```

## Border

The CSS property to change the border of an element to XYZ 89.0233, 92.1344, 93.9806 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, 244, 238) }
```



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

```
.border{ border-color:rgb(255, 244, 238) }
```

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

Here you see how a box with a 4 pixel rgb(255, 244, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 238);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
238) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.0233, 92.1344, 93.9806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 244, 238) }
```

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

```
.background{ background-color: rgb(255,  
244, 238) }
```

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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