

# Converting Colors

XYZ(93.3611, 94.1503, 97.0011)

Have a look what the booklet for  
XYZ(93.3611, 94.1503, 97.0011)  
contains.

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# **Color**

**XYZ(89.6177, 92.3722,  
97.1107)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF4F2
RGB	255, 244, 242
RGB Percent	100%, 96%, 95%
CMY	0.0000, 0.0431, 0.0510
CMYK	0.00, 0.04, 0.05, 0.00
HSL	9°, 100%, 97%
HSV	9°, 5%, 100%
XYZ	89.6177, 92.3722, 97.1107
YIQ	247.0610, 7.1980, 1.7100

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	255, 244, 242
Decimal	16774386
CIE Lab	96.97, 3.34, 2.26
CIE LCh	97, 4.038, 34.110
Yxy	92.3722, 0.3211, 0.3310
Android (android.graphics.Color)	4294964466 (0xFFFFF4F2)
YUV	247.0610, -2.4951, 6.9625
Hunter-Lab	96.1105, -1.7519, 7.3703

# Details

The XYZ color **89.6177, 92.3722, 97.1107** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.7925, 96.3454, 108.4717**, and the grayscale version is **88.4752, 93.0828, 101.3671**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **50.1348, 51.5174, 53.7558** is the 20% darker color. If you saturate the color by 10%, you get **79.9375, 78.7196, 76.2876**, 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 89.6177, 92.3722, 97.1107 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 89.6177, 92.3722, 97.1107 by changing the saturation by 10% instead.




 89.6177, 92.3722,  
97.1107

 89.6177, 92.3722,  
97.1107

515.0429,  
535.7177, 572.0564

 67.9988, 69.9498,  
73.2864

145.6883,  
150.6291, 159.1980

 50.1705, 51.4856,  
53.7169

180.8707,  
187.2325, 198.2981

 35.7672, 36.5952,  
37.9838


221.3051,  
229.3316, 243.3271

 24.4237, 24.8943,  
25.6684

267.3567,  
277.3109, 294.7037

 15.7747, 15.9983,  
16.3522

319.3909,  
331.5548, 352.8464

 9.4547, 9.5229,  
9.6166

377.7732,

 5.0984, 5.0838,

392.4476, 418.1737

5.0433

442.8687,  
460.3738, 491.1042

■ 2.3405, 2.2965,  
2.2135

■ 0.8152, 0.7719,  
0.6821

■ 89.6177, 92.3722,  
97.1107

■ 89.6177, 92.3722,  
97.1107

■ 79.9375, 78.7196,  
76.2876

95.0500, 100.0000,  
108.9000

■ 71.5006, 66.7346,  
58.4038

■ 64.2581, 56.3566,  
43.3284

■ 58.1554, 47.5168,  
30.9182

■ 53.1336, 40.1417,  
21.0174

■ 49.1284, 34.1515,  
13.4541

■ 46.0684, 29.4587,  
8.0345

■ 43.8727, 25.9656,  
4.5334

■ 42.4456, 23.5601,  
2.6746

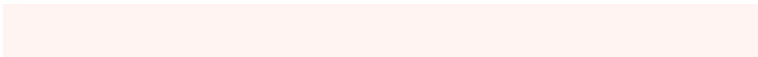
# Harmonies

## Analogous

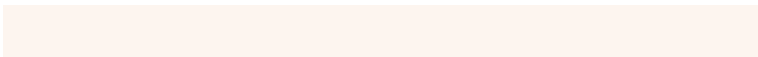
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.9934, 92.3722, 100.1300



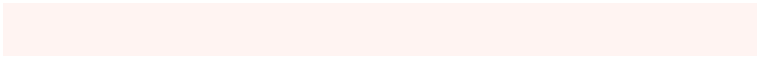
89.6177, 92.3722, 97.1107



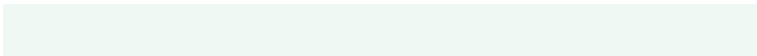
88.7541, 92.3722, 95.0549

# Triad

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



89.6177, 92.3722, 97.1107



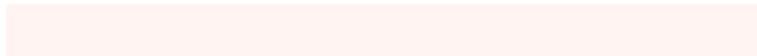
85.8469, 92.3722, 97.8712



87.9536, 92.3722, 106.9462

# Complementary

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



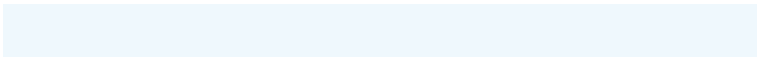
89.6177, 92.3722, 97.1107



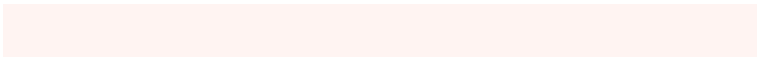
89.7925, 96.3454, 108.4717

# Split Complementary

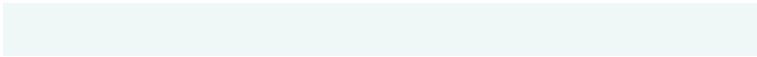
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.8468, 92.3722, 106.3102



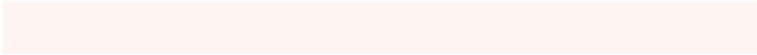
89.6177, 92.3722, 97.1107



85.6366, 92.3722, 101.0266

# Square

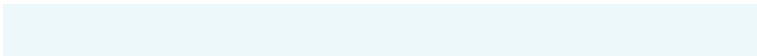
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.6177, 92.3722, 97.1107



86.5780, 92.3722, 95.4873



86.0011, 92.3722, 104.1261

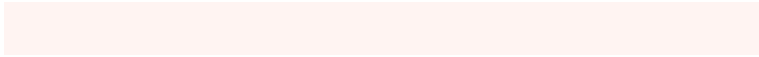


89.0274, 92.3722, 105.8457



# Rectangle

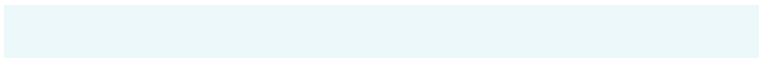
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



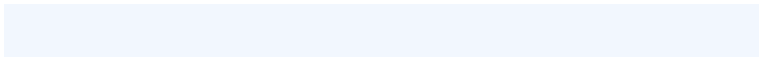
89.6177, 92.3722, 97.1107



88.0213, 92.3722, 94.4833



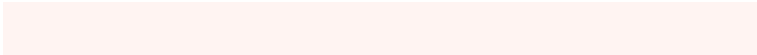
86.0011, 92.3722, 104.1261



87.5731, 92.3722, 106.9285

# Sweetspot

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



89.6198, 92.3760, 97.1127



92.8789, 96.9545, 104.1791



90.7303, 91.8604, 105.9193



19.9027, 20.7842, 22.3481



0.0000, 0.0000, 0.0000

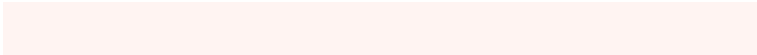


20.3446, 21.4041, 23.3091

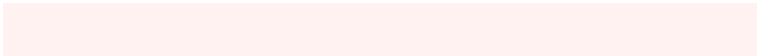


# Same Dimension

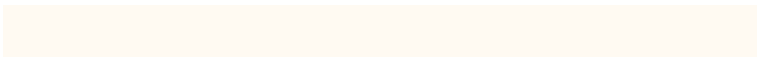
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.6198, 92.3760, 97.1127



88.6934, 91.0730, 95.1088



91.5931, 96.3225, 97.7704



18.8420, 19.2935, 20.0502



22.0003, 12.0118, 1.1590

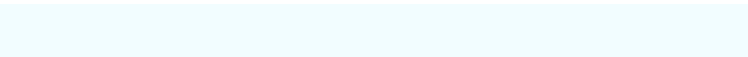


2.2048, 1.2950, 0.1338

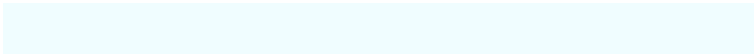


# Inverse Universe

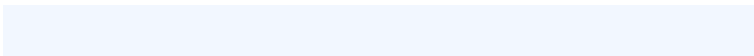
The Inverse Universe completely reimagines the original color for something new.



89.7925, 96.3454, 108.4717



88.8954, 95.7167, 108.3976



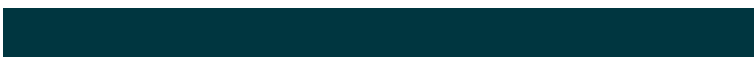
87.7922, 92.3449, 107.8049



18.8897, 20.3907, 23.1902



22.3094, 29.5284, 53.9583

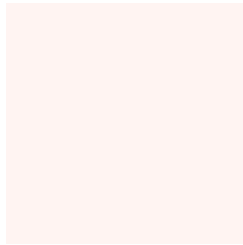


2.2337, 2.9982, 5.2742



# Previews

## White Background



This preview shows how the XYZ color 89.6177, 92.3722, 97.1107 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

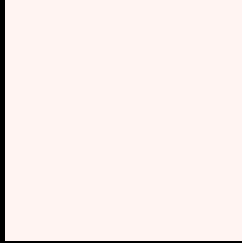
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.6177, 92.3722, 97.1107 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

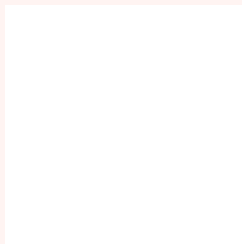
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 89.6177, 92.3722, 97.1107

## Background



This preview shows how black text looks on a background with the XYZ color 89.6177, 92.3722, 97.1107.



This preview shows how white text looks on a background with the XYZ color 89.6177, 92.3722,



# 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**

89.6177, 92.3722, 97.1107

**Protanopia**

88.6137, 92.2851, 97.9364

**Deuteranopia**

90.0721, 92.5539, 99.5036



## Tritanopia

90.6086, 92.2038, 107.6293

# Trichromacy



**Original Color**

89.6177, 92.3722, 97.1107

**Protanomaly**

88.9750, 92.4713, 97.9533

**Deuteranomaly**

89.9198, 92.4930, 98.7016

**Tritanomaly**

90.1790, 92.0741, 103.4616

# Monochromacy



**Original Color**

89.6177, 92.3722, 97.1107

**Achromatopsia**

88.4070, 93.0111, 101.2891

**Achromatomaly**

88.8615, 92.8281, 99.6203

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.6177, 92.3722, 97.1107 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, 242) looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 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, 244, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 89.6177, 92.3722, 97.1107 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, 242) }
```



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

```
.border{ border-color:rgb(255, 244, 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, 244, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 242);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.6177, 92.3722, 97.1107 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, 242) }
```

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

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