

# Converting Colors

XYZ(89.1625, 91.5596, 96.6571)

Have a look what the booklet for  
XYZ(89.1625, 91.5596, 96.6571)  
contains.

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# **Color**

**XYZ(89.3176, 91.7720,  
97.0106)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>              |
|---------------|---------------------------|
| Hex           | FFF3F2                    |
| RGB           | 255, 243, 242             |
| RGB Percent   | 100%, 95%, 95%            |
| CMY           | 0.0000, 0.0470, 0.0510    |
| CMYK          | 0.00, 0.05, 0.05, 0.00    |
| HSL           | 5°, 100%, 97%             |
| HSV           | 5°, 5%, 100%              |
| XYZ           | 89.3176, 91.7720, 97.0106 |
| YIQ           | 246.4740, 7.4730, 2.2330  |

# Conversions

## Conversions Part 2

| <b>Format</b>                       | <b>Color</b>                 |
|-------------------------------------|------------------------------|
| <b>R<sub>YB</sub></b>               | 255, 243, 242                |
| Decimal                             | 16774130                     |
| CIE <sub>Lab</sub>                  | 96.73, 3.85, 1.91            |
| CIE <sub>LCh</sub>                  | 97, 4.299, 26.345            |
| Yxy                                 | 91.7720, 0.3212,<br>0.3300   |
| Android<br>(android.graphics.Color) | 4294964210<br>(0xFFFFF3F2)   |
| YUV                                 | 246.4740, -2.2057,<br>7.4773 |
| Hunter-Lab                          | 95.7977, -1.2204,<br>7.0177  |

# Details

The XYZ color 89.3176, 91.7720, 97.0106 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 90.1089, 96.9784, 108.5772, and the grayscale version is 87.9961, 92.5788, 100.8183.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.9220, 51.0916, 53.6849 is the 20% darker color. If you saturate the color by 10%, you get 79.1557, 77.1559, 76.0269, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

# Distribution



Red (100%)

Green (95%)

Blue (95%)



Red (100%)

Yellow (95%)

Blue (95%)



Cyan (0%)

Magenta (5%)

Yellow (5%)

Black (0%)



Cyan (0%)

Magenta (5%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.3176, 91.7720, 97.0106 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 89.3176, 91.7720, 97.0106 by changing the saturation by 10% instead.



89.3176, 91.7720,  
97.0106

89.3176, 91.7720,  
97.0106

514.0796,  
533.7784, 571.7298

67.7492, 69.4513,  
73.2034

145.2733,  
149.7974, 159.0588

49.9667, 51.0793,  
53.6495

180.3914,  
186.2708, 198.1369

35.6046, 36.2717,  
37.9302

220.7567,  
228.2305, 243.1424

24.2977, 24.6441,  
25.6271

266.7346,  
276.0610, 294.4939

15.6805, 15.8121,  
16.3216

318.6905,  
330.1467, 352.6098

9.3878, 9.3913,  
9.5952

376.9897,

5.0541, 4.9973,

390.8719, 417.9087

5.0293

441.9976,  
458.6210, 490.8092

■ 2.3141, 2.2457,  
2.2054

■ 0.8019, 0.7447,  
0.6775

■ 89.3176, 91.7720,  
97.0106

■ 89.3176, 91.7720,  
97.0106

■ 79.1557, 77.1559,  
76.0269

95.0500, 100.0000,  
108.9000

■ 70.3721, 64.4776,  
58.0276

■ 62.9094, 53.6591,  
42.8787

■ 56.7035, 44.6129,  
30.4341

■ 51.6850, 37.2445,  
20.5345

■ 47.7778, 31.4504,  
13.0039

■ 44.8970, 27.1159,  
7.6440

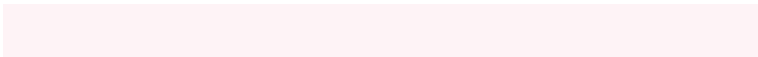
■ 42.9452, 24.1105,  
4.2242

■ 41.8058, 22.2804,  
2.4613

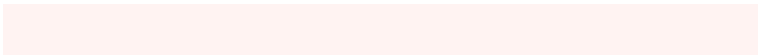
# Harmonies

## Analogous

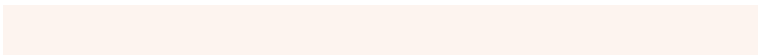
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.5573, 91.7720, 100.3473



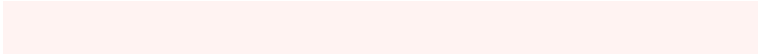
89.3176, 91.7720, 97.0106



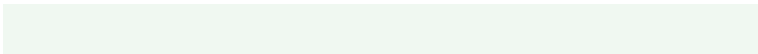
88.5158, 91.7720, 94.5063

# Triad

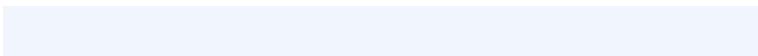
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.3176, 91.7720, 97.0106



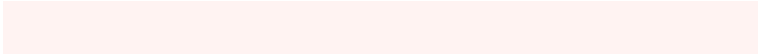
85.3137, 91.7720, 96.2947



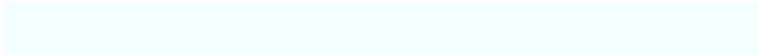
87.0791, 91.7720, 106.6878

# Complementary

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



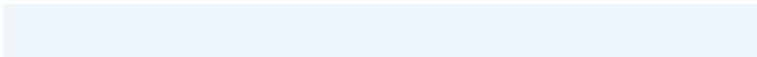
89.3176, 91.7720, 97.0106



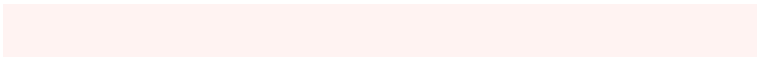
90.1089, 96.9784, 108.5772

# Split Complementary

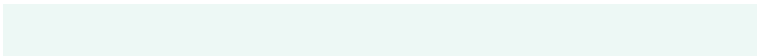
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.9499, 91.7720, 105.5451



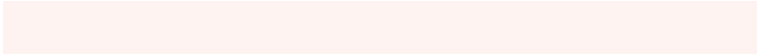
89.3176, 91.7720, 97.0106



84.9366, 91.7720, 99.5021

# Square

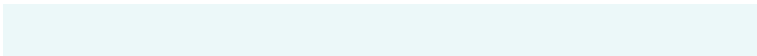
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.3176, 91.7720, 97.0106



86.2032, 91.7720, 94.0997



85.1684, 91.7720, 102.8954

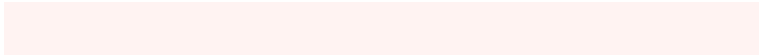


88.2579, 91.7720, 105.9841

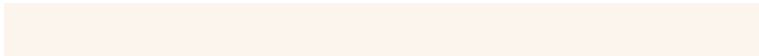


# Rectangle

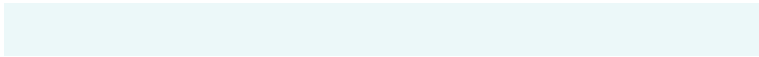
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



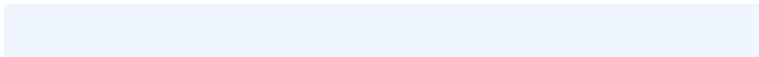
89.3176, 91.7720, 97.0106



87.7742, 91.7720, 93.6189



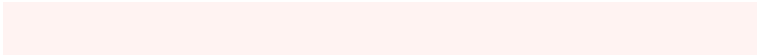
85.1684, 91.7720, 102.8954



86.6812, 91.7720, 106.5062

# Sweetspot

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



89.3197, 91.7757, 97.0126



92.7567, 96.7100, 104.1384



90.9034, 91.9296, 106.8311



19.8778, 20.7344, 22.3398



0.0000, 0.0000, 0.0000

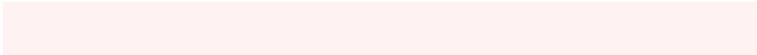


20.3446, 21.4041, 23.3091

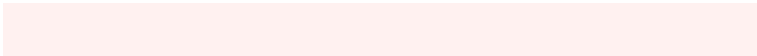


# Same Dimension

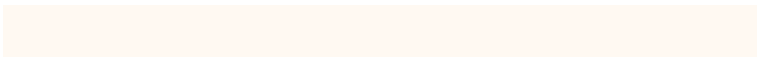
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.3197, 91.7757, 97.0126



88.3441, 90.3744, 94.9924



91.2566, 95.6496, 97.6582



18.7597, 19.1290, 20.0228



21.7165, 11.4442, 1.0644



2.1516, 1.1886, 0.1160

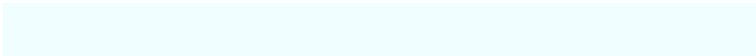


# Inverse Universe

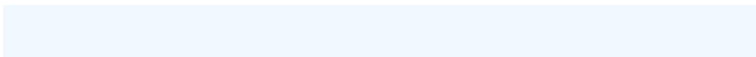
The Inverse Universe completely reimagines the original color for something new.



90.1089, 96.9784, 108.5772



89.2674, 96.4608, 108.5216



88.1236, 93.0077, 107.9154



18.9779, 20.5671, 23.2196



25.0495, 35.0085, 54.8717

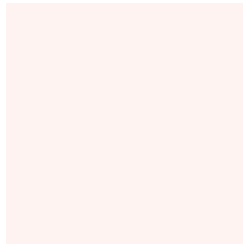


2.4732, 3.4772, 5.3541



# Previews

## White Background



This preview shows how the XYZ color 89.3176, 91.7720, 97.0106 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

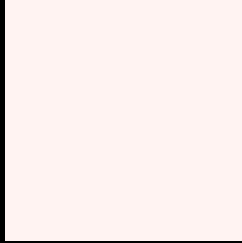
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.3176, 91.7720, 97.0106 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

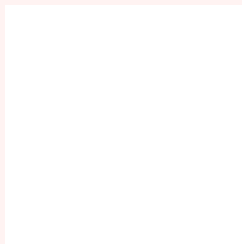
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 89.3176, 91.7720, 97.0106

## Background



This preview shows how black text looks on a background with the XYZ color 89.3176, 91.7720, 97.0106.



This preview shows how white text looks on a background with the XYZ color 89.3176, 91.7720,



# 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**

89.3176, 91.7720, 97.0106

**Protanopia**

87.9527, 91.4964, 97.8190

**Deuteranopia**

89.7720, 91.9538, 99.4036



## Tritanopia

90.6752, 91.7951, 107.5469

# Trichromacy



**Original Color**

89.3176, 91.7720, 97.0106

**Protanomaly**

88.6732, 91.8679, 97.8527

**Deuteranomaly**

89.6197, 91.8928, 98.6016

**Tritanomaly**

89.8805, 91.4772, 103.3621

# Monochromacy



**Original Color**

89.3176, 91.7720, 97.0106

**Achromatopsia**

87.5964, 92.1582, 100.3603

**Achromatomaly**

88.2008, 92.0371, 99.5025

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.3176, 91.7720, 97.0106 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, 243, 242) looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 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, 243, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 89.3176, 91.7720, 97.0106 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, 243, 242) }
```



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

```
.border{ border-color:rgb(255, 243, 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, 243, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 242);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.3176, 91.7720, 97.0106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 243, 242) }
```

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

```
.background{ background-color: rgb(255,  
243, 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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