

# Converting Colors

XYZ(89.4304, 91.4587, 98.7095)

Have a look what the booklet for  
XYZ(89.4304, 91.4587, 98.7095)  
contains.

<b>XYZ(89.3213, 91.2959, 98.5021)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(89.3213, 91.2959,  
98.5021)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF2F4
RGB	255, 242, 244
RGB Percent	100%, 95%, 96%
CMY	0.0000, 0.0510, 0.0431
CMYK	0.00, 0.05, 0.04, 0.00
HSL	351°, 100%, 97%
HSV	351°, 5%, 100%
XYZ	89.3213, 91.2959, 98.5021
YIQ	246.1150, 7.1060, 3.3780

# Conversions

## Conversions Part 2

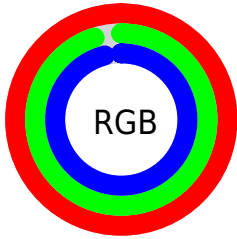
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 242, 244
Decimal	16773876
CIE <sub>Lab</sub>	96.53, 4.70, 0.59
CIE <sub>LCh</sub>	97, 4.737, 7.150
Yxy	91.2959, 0.3200, 0.3271
Android (android.graphics.Color)	4294963956 (0xFFFFF2F4)
YUV	246.1150, -1.0427, 7.7921
Hunter-Lab	95.5489, -0.3446, 5.7617

# Details

The XYZ color 89.3213, 91.2959, 98.5021 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 90.1103, 97.4904, 107.0003, and the grayscale version is 87.6964, 92.2634, 100.4749.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.9247, 50.7544, 54.7422 is the 20% darker color. If you saturate the color by 10%, you get 79.1667, 75.9278, 79.8845, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

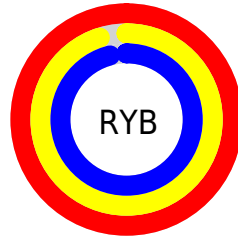
# Distribution



Red (100%)

Green (95%)

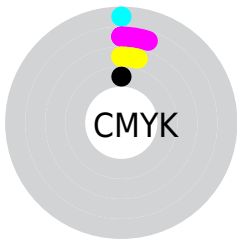
Blue (96%)



Red (100%)

Yellow (95%)

Blue (96%)

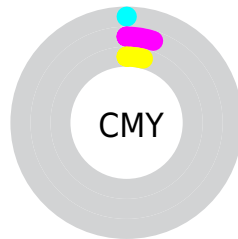


Cyan (0%)

Magenta (5%)

Yellow (4%)

Black (0%)



Cyan (0%)

Magenta (5%)


Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.3213, 91.2959, 98.5021 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 89.3213, 91.2959, 98.5021 by changing the saturation by 10% instead.




 89.3213, 91.2959,  
98.5021

 89.3213, 91.2959,  
98.5021


514.0915,  
532.2374, 576.5851

 67.7523, 69.0560,  
74.4403


145.2784,  
149.1372, 161.1311

 49.9692, 50.7573,  
54.6555


180.3973,  
185.5073, 200.5353

 35.6066, 36.0155,  
38.7292


220.7634,  
227.3562, 245.8908

 24.2992, 24.4462,  
26.2429

266.7423,  
275.0684, 297.6160

 15.6817, 15.6649,  
16.7781

318.6991,  
329.0282, 356.1295

 9.3886, 9.2873,  
9.9161

376.9994,

 5.0546, 4.9291,

389.6201, 421.8498

5.2385

442.0084,  
457.2283, 495.1955

■ 2.3144, 2.2057,  
2.3267

■ 0.8020, 0.7231,  
0.7461

■ 89.3213, 91.2959,  
98.5021

■ 89.3213, 91.2959,  
98.5021

■ 79.1667, 75.9278,  
79.8845

95.0500, 100.0000,  
108.9000

■ 70.3953, 62.7335,  
63.5550

■ 62.9487, 51.6180,  
49.4267

■ 56.7619, 42.4751,  
37.4048

■ 51.7645, 35.1891,  
27.3878

■ 47.8787, 29.6321,  
19.2655

■ 45.0178, 25.6602,  
12.9169

■ 43.0814, 23.1058,  
8.2068

■ 41.9480, 21.7635,  
4.9793

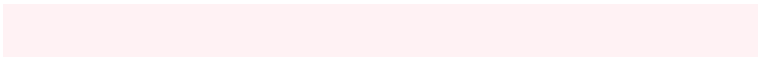
# Harmonies

## Analogous

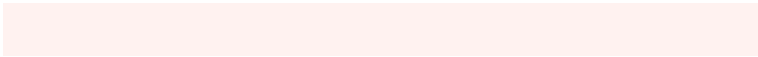
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.1382, 91.2959, 102.2602



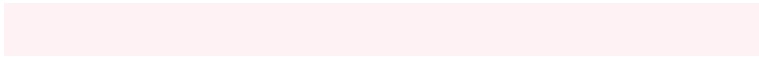
89.3213, 91.2959, 98.5021



88.8164, 91.2959, 95.0728

# Triad

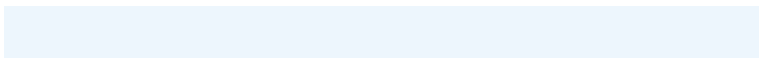
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.3213, 91.2959, 98.5021



85.2476, 91.2959, 93.7141



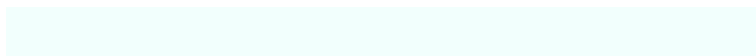
85.7905, 91.2959, 106.2680

# Complementary

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



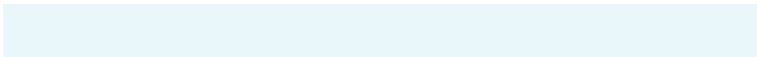
89.3213, 91.2959, 98.5021



90.1103, 97.4904, 107.0003

# Split Complementary

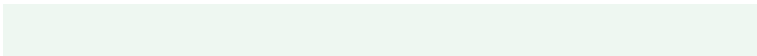
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.7632, 91.2959, 103.8683



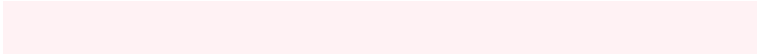
89.3213, 91.2959, 98.5021



84.4520, 91.2959, 96.6049

# Square

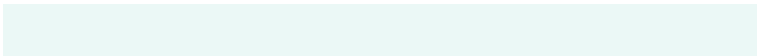
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.3213, 91.2959, 98.5021



86.4579, 91.2959, 92.3543



84.2756, 91.2959, 100.3148

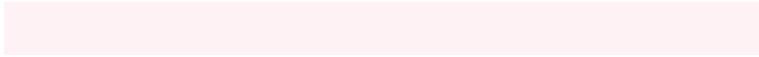


87.0909, 91.2959, 106.8072

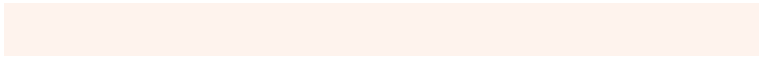


# Rectangle

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



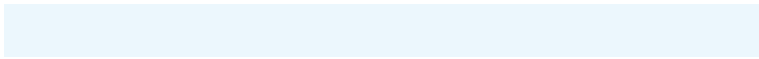
89.3213, 91.2959, 98.5021



88.1605, 91.2959, 93.4131



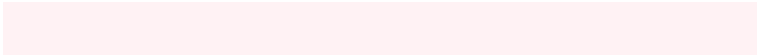
84.2756, 91.2959, 100.3148



85.4021, 91.2959, 105.6493

# Sweetspot

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



89.3233, 91.2996, 98.5040



92.7572, 96.5142, 104.7455



90.2516, 91.5794, 107.5276



19.8779, 20.6945, 22.4634



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.



89.3233, 91.2996, 98.5040



88.3464, 89.8175, 96.7239



90.3264, 93.7881, 97.3513



18.7603, 18.9980, 20.4303



21.7752, 11.1994, 2.2008

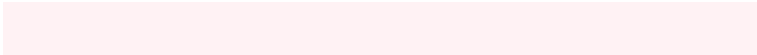


2.1518, 1.1031, 0.3807

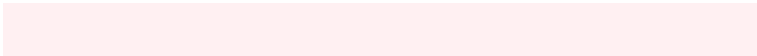


# Inverse Universe

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



89.3233, 91.2996, 98.5040



88.3464, 89.8175, 96.7239



89.0638, 94.8858, 108.2284



18.7603, 18.9980, 20.4303



21.7752, 11.1994, 2.2008

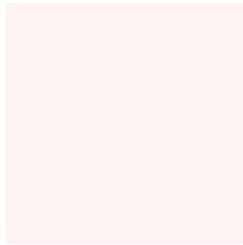


2.1518, 1.1031, 0.3807



# Previews

## White Background



This preview shows how the XYZ color 89.3213, 91.2959, 98.5021 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

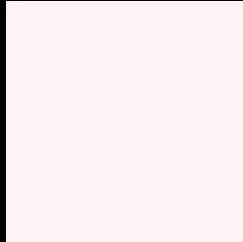
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.3213, 91.2959, 98.5021 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 89.3213, 91.2959, 98.5021

## Background



This preview shows how black text looks on a background with the XYZ color 89.3213, 91.2959, 98.5021.



This preview shows how white text looks on a background with the XYZ color 89.3213, 91.2959,



# 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**

89.3213, 91.2959, 98.5021

**Protanopia**

87.8990, 91.4337, 99.4019

**Deuteranopia**

89.4736, 91.3568, 99.3041



## Tritanopia

90.3783, 91.2014, 107.4479

# Trichromacy



**Original Color**

89.3213, 91.2959, 98.5021

**Protanomaly**

88.3157, 91.2030, 99.3354

**Deuteranomaly**

89.4736, 91.3568, 99.3041

**Tritanomaly**

89.7409, 90.9465, 104.0914

# Monochromacy



**Original Color**

89.3213, 91.2959, 98.5021

**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 89.3213, 91.2959, 98.5021 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, 242, 244) looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 244)  
}
```

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, 242, 244) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to XYZ 89.3213, 91.2959, 98.5021 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, 242, 244) }
```



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

```
.border{ border-color:rgb(255, 242, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 242, 244)` colored shadow looks like.

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

# Background

The CSS property to change the background color of an element to XYZ 89.3213, 91.2959, 98.5021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 244) }
```

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

```
.background{ background-color: rgb(255,  
242, 244) }
```

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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