

# Converting Colors

XYZ(89.9846, 91.6804,  
101.6277)

Have a look what the booklet for  
XYZ(89.9846, 91.6804, 101.6277)  
contains.

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# **Color**

**XYZ(89.9354, 91.5416,  
101.7361)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF2F8
RGB	255, 242, 248
RGB Percent	100%, 95%, 97%
CMY	0.0000, 0.0510, 0.0274
CMYK	0.00, 0.05, 0.03, 0.00
HSL	332°, 100%, 97%
HSV	332°, 5%, 100%
XYZ	89.9354, 91.5416, 101.7361
YIQ	246.5710, 5.8220, 4.6220

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 242, 248
Decimal	16773880
CIE <sub>Lab</sub>	96.63, 5.39, -1.33
CIE <sub>LCh</sub>	97, 5.548, 346.123
Yxy	91.5416, 0.3176, 0.3232
Android (android.graphics.Color)	4294963960 (0xFFFFF2F8)
YUV	246.5710, 0.7045, 7.3922
Hunter-Lab	95.6774, 0.3521, 3.9297

# Details

The XYZ color 89.9354, 91.5416, 101.7361 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 89.4796, 97.2382, 103.6789, and the grayscale version is 88.0529, 92.6385, 100.8833.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.3620, 50.9293, 57.0452 is the 20% darker color. If you saturate the color by 10%, you get 80.8155, 76.5874, 88.5670, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

# Distribution



Red (100%)

Green (95%)

Blue (97%)



Red (100%)

Yellow (95%)

Blue (97%)



Cyan (0%)

Magenta (5%)

Yellow (3%)

Black (0%)



Cyan (0%)

Magenta (5%)


Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.9354, 91.5416, 101.7361 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 89.9354, 91.5416, 101.7361 by changing the saturation by 10% instead.




 89.9354, 91.5416,  
101.7361

 89.9354, 91.5416,  
101.7361


516.0617,  
533.0330, 587.0387

 68.2632, 69.2600,  
77.1263

146.1275,  
149.4779, 165.6136

 50.3863, 50.9234,  
56.8443


181.3780,  
185.9013, 205.7183

 35.9395, 36.1477,  
40.4718

221.8853,  
227.8075, 251.8251

 24.5574, 24.5483,  
27.5900

268.0149,  
275.5808, 304.3525

 15.8746, 15.7408,  
17.7805

320.1319,  
329.6056, 363.7190

 9.5257, 9.3409,  
10.6247

378.6018,

 5.1455, 4.9642,

390.2663, 430.3432

5.7041

443.7900,  
457.9473, 504.6435

■ 2.3685, 2.2263,  
2.6001

■ 0.8294, 0.7343,  
0.8925

■ 89.9354, 91.5416,  
101.7361

■ 89.9354, 91.5416,  
101.7361

■ 80.8155, 76.5874,  
88.5670

95.0500, 100.0000,  
108.9000

■ 72.8612, 63.7199,  
76.5403

■ 66.0246, 52.8484,  
65.6240

■ 60.2519, 43.8711,  
55.7828

■ 55.4848, 36.6772,  
46.9789

■ 51.6590, 31.1442,  
39.1719

■ 48.7020, 27.1339,  
32.3177

■ 46.5301, 24.4854,  
26.3677

■ 45.0409, 23.0007,  
21.2659

# Harmonies

## Analogous

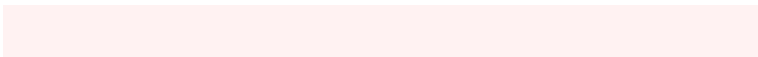
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.1753, 91.5416, 105.7120



89.9354, 91.5416, 101.7361



89.9045, 91.5416, 97.3199

# Triad

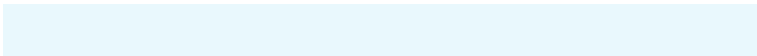
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.9354, 91.5416, 101.7361



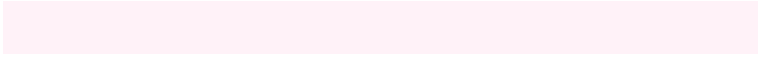
86.1819, 91.5416, 91.6902



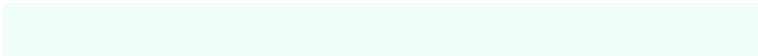
84.9565, 91.5416, 105.9583

# Complementary

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



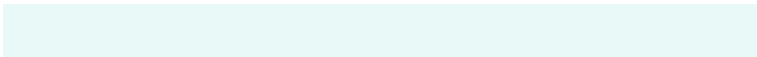
89.9354, 91.5416, 101.7361



89.4796, 97.2382, 103.6789

# 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.



84.1735, 91.5416, 102.0642



89.9354, 91.5416, 101.7361



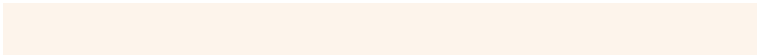
84.8752, 91.5416, 93.8690

# Square

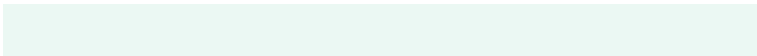
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



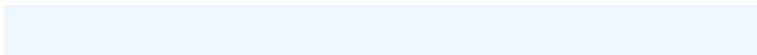
89.9354, 91.5416, 101.7361



87.7249, 91.5416, 91.6083



84.1439, 91.5416, 97.6385



86.2941, 91.5416, 108.1982

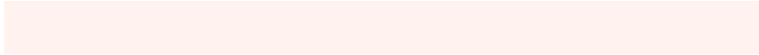


# Rectangle

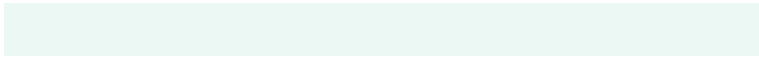
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



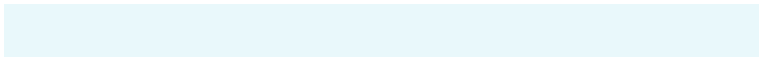
89.9354, 91.5416, 101.7361



89.4391, 91.5416, 94.7218



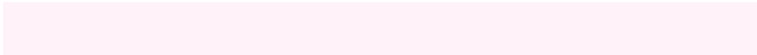
84.1439, 91.5416, 97.6385



84.6204, 91.5416, 104.7943

# Sweetspot

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



89.9375, 91.5453, 101.7381



93.0054, 96.6134, 106.0523



88.8481, 90.8559, 107.4619



19.9284, 20.7147, 22.7295



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

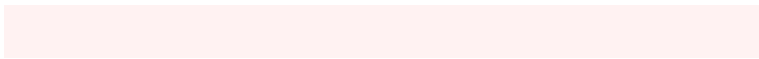
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.9375, 91.5453, 101.7381



89.0633, 90.1043, 100.4990



89.1509, 91.4372, 96.9596



18.9294, 19.0656, 21.3207



23.3204, 11.8175, 10.3377



2.3251, 1.1724, 1.2932



# Inverse Universe

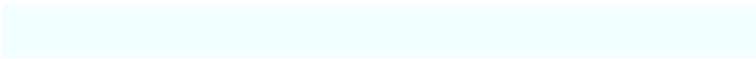
The Inverse Universe completely reimagines the original color for something new.



89.9375, 91.5453, 101.7381



89.0633, 90.1043, 100.4990



90.2920, 97.3423, 108.6378



18.9294, 19.0656, 21.3207



23.3204, 11.8175, 10.3377

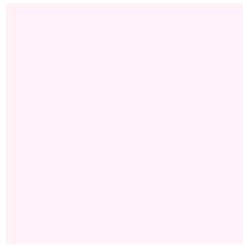


2.3251, 1.1724, 1.2932



# Previews

## White Background



This preview shows how the XYZ color 89.9354, 91.5416, 101.7361 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

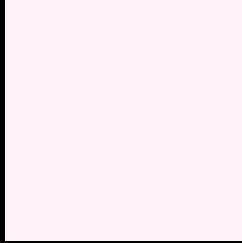
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.9354, 91.5416, 101.7361 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

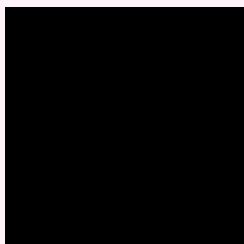
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 89.9354, 91.5416, 101.7361

## Background



This preview shows how black text looks on a background with the XYZ color 89.9354, 91.5416, 101.7361.



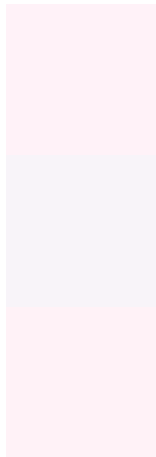
This preview shows how white text looks on a background with the XYZ color 89.9354, 91.5416,

101.7361.

# 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

89.9354, 91.5416, 101.7361

### Protanopia

88.1610, 91.4974, 102.6367

### Deuteranopia

89.7806, 91.4797, 100.9211



## Tritanopia

90.3101, 91.6069, 107.5298

# Trichromacy



**Original Color**

89.9354, 91.5416, 101.7361

**Protanomaly**

88.9331, 91.4500, 102.5869

**Deuteranomaly**

89.7806, 91.4797, 100.9211

**Tritanomaly**

90.1959, 91.6034, 105.0228

# Monochromacy



**Original Color**

89.9354, 91.5416, 101.7361



**Achromatopsia**

88.4070, 93.0111, 101.2891

**Achromatomaly**

88.8652, 92.3442, 101.1362

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.9354, 91.5416, 101.7361 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, 248)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 248)  
}
```

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, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 248) }
```

## Border

The CSS property to change the border of an element to XYZ 89.9354, 91.5416, 101.7361 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, 248) }
```



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

```
.border{ border-color:rgb(255, 242, 248) }
```

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, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 248);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
248) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.9354, 91.5416, 101.7361 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, 248) }
```

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

```
.background{ background-color: rgb(255,  
242, 248) }
```

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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