

# Converting Colors

XYZ(89.8907, 93.1031,  
110.4752)

Have a look what the booklet for  
XYZ(89.8907, 93.1031, 110.4752)  
contains.

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# **Color**

**XYZ(89.3635, 92.9057,  
107.8304)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7F6FF
RGB	247, 246, 255
RGB Percent	97%, 96%, 100%
CMY	0.0314, 0.0353, 0.0000
CMYK	0.03, 0.04, 0.00, 0.00
HSL	247°, 100%, 98%
HSV	247°, 4%, 100%
XYZ	89.3635, 92.9057, 107.8304
YIQ	247.3250, -2.2930, 3.0110

# Conversions

## Conversions Part 2

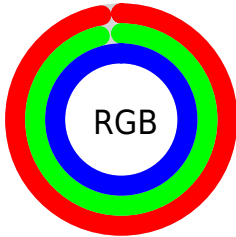
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	247, 246, 255
Decimal	16250623
CIE <sub>Lab</sub>	97.19, 1.94, -4.20
CIE <sub>LCh</sub>	97, 4.627, 294.833
Yxy	92.9057, 0.3080, 0.3203
Android (android.graphics.Color)	4294440703 (0xFFFF7F6FF)
<b>YUV</b>	247.3250, 3.7838, -0.2850
Hunter-Lab	96.3876, -3.1862, 1.1426

# Details

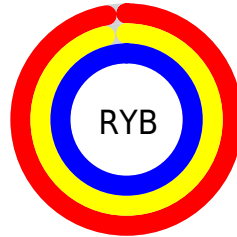
The XYZ color 89.3635, 92.9057, 107.8304 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 93.2701, 99.2458, 101.4340, and the grayscale version is 88.6462, 93.2627, 101.5630.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.0924, 51.9805, 60.8192 is the 20% darker color. If you saturate the color by 10%, you get 74.6174, 74.5716, 105.0687, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

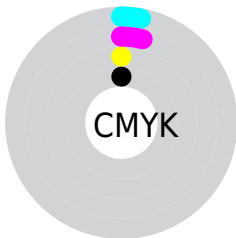
# Distribution



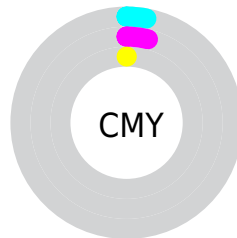
- Red (97%)
- Green (96%)
- Blue (100%)



- Red (97%)
- Yellow (96%)
- Blue (100%)



- Cyan (3%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (3%)
- Magenta (4%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.3635, 92.9057, 107.8304 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 89.3635, 92.9057, 107.8304 by changing the saturation by 10% instead.



89.3635, 92.9057,  
107.8304

89.3635, 92.9057,  
107.8304

514.2270,  
537.4383, 606.4762

67.7874, 70.3931,  
82.2027

145.3368,  
151.3680, 174.0224

49.9978, 51.8471,  
60.9959

180.4647,  
188.0866, 215.4239

35.6295, 36.8832,  
43.7913

220.8406,  
230.3093, 262.9203

24.3169, 25.1171,  
30.1705

266.8298,  
278.4205, 316.9302

15.6949, 16.1643,  
19.7149

318.7977,  
332.8046, 377.8723

9.3980, 9.6405,  
12.0059

377.1096,

5.0609, 5.1613,

393.8460, 446.1649

6.6251

442.1309,  
461.9291, 522.2267

■ 2.3181, 2.3422,  
3.1539

■ 0.8039, 0.7959,  
1.1738

■ 89.3635, 92.9057,  
107.8304

■ 89.3635, 92.9057,  
107.8304

■ 74.6174, 74.5716,  
105.0687

95.0500, 100.0000,  
108.9000

■ 61.8284, 58.7603,  
102.6909

■ 50.9160, 45.3648,  
100.6805

■ 41.7915, 34.2656,  
99.0190

■ 34.3588, 25.3333,  
97.6866

■ 28.5129, 18.4254,  
96.6614

■ 24.1369, 13.3823,  
95.9186

■ 21.0972, 10.0203,  
95.4299

■ 19.2354, 8.1174,  
95.1607

# Harmonies

## Analogous

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



88.0780, 92.9057, 108.4956



89.3635, 92.9057, 107.8304



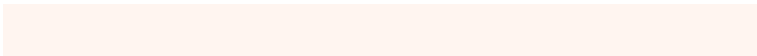
90.3740, 92.9057, 105.3598

# Triad

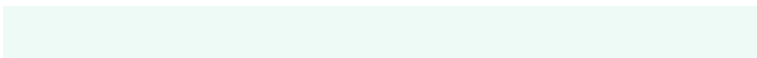
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.3635, 92.9057, 107.8304



89.7591, 92.9057, 95.3895



85.8253, 92.9057, 100.5119

# Complementary

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



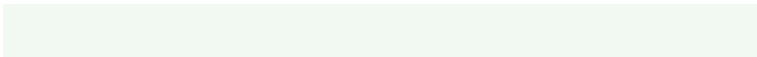
89.3635, 92.9057, 107.8304



93.2701, 99.2458, 101.4340

# Split Complementary

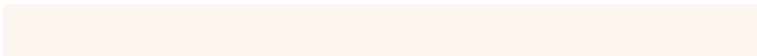
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.2660, 92.9057, 97.0704



89.3635, 92.9057, 107.8304



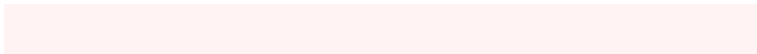
88.5305, 92.9057, 94.1599

# Square

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



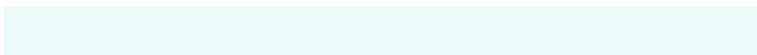
89.3635, 92.9057, 107.8304



90.6040, 92.9057, 98.1665



87.2531, 92.9057, 94.7677



86.0434, 92.9057, 104.2108



# Rectangle

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



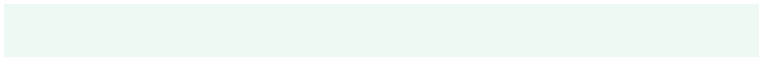
89.3635, 92.9057, 107.8304



90.7514, 92.9057, 103.0528



87.2531, 92.9057, 94.7677



85.9012, 92.9057, 99.2876

# Sweetspot

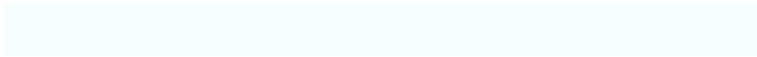
The Sweet Spot groups the original color and five complimentary colors.



89.3659, 92.9096, 107.8310



93.4125, 97.9562, 108.5918



91.5318, 97.7614, 108.6533



20.0114, 20.9882, 23.2464



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.



89.3659, 92.9096, 107.8310



88.6232, 91.9839, 107.6915



90.9363, 93.7191, 107.9045



18.7181, 19.3758, 23.0033



9.7445, 3.9339, 49.6803



1.0067, 0.4129, 4.8399



# Inverse Universe

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



92.0876, 94.3311, 107.1237



91.7006, 93.5913, 106.8892



91.6779, 98.4250, 101.3595



19.4970, 19.7826, 22.7992



28.8117, 14.0140, 39.2545

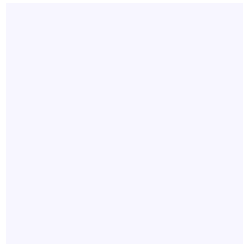


2.8290, 1.3740, 3.9468



# Previews

## White Background



This preview shows how the XYZ color 89.3635, 92.9057, 107.8304 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

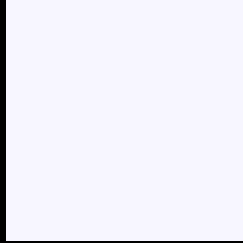
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.3635, 92.9057, 107.8304 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

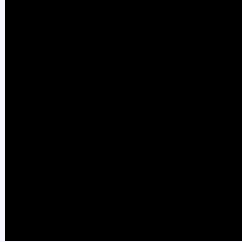
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 89.3635, 92.9057, 107.8304

## Background



This preview shows how black text looks on a background with the XYZ color 89.3635, 92.9057, 107.8304.



This preview shows how white text looks on a background with the XYZ color 89.3635, 92.9057,

107.804.

# 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**

89.3635, 92.9057, 107.8304

**Protanopia**

89.7693, 92.6646, 107.7624

**Deuteranopia**

91.0033, 92.9264, 104.4070

## Tritanopia

89.7172, 93.0880, 107.8469

# Trichromacy



**Original Color**

89.3635, 92.9057, 107.8304

**Protanomaly**

89.4138, 92.4813, 107.7458

**Deuteranomaly**

90.3680, 93.0285, 105.2889

**Tritanomaly**

89.7172, 93.0880, 107.8469

# Monochromacy



**Original Color**

89.3635, 92.9057, 107.8304

**Achromatopsia**

88.4070, 93.0111, 101.2891

**Achromatomaly**

88.8739, 93.1978, 103.7473

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.3635, 92.9057, 107.8304 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(247, 246, 255) looks like.

```
.text, #text, p{  
    color:rgb(247, 246, 255)  
}
```

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(247, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 246, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 89.3635, 92.9057, 107.8304 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(247, 246, 255) }
```



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

```
.border{ border-color:rgb(247, 246, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(247, 246,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.3635, 92.9057, 107.8304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 246, 255) }
```

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

```
.background{ background-color: rgb(247,  
246, 255) }
```

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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