

# Converting Colors

XYZ(89.0325, 93.2622,  
104.5768)

Have a look what the booklet for  
XYZ(89.0325, 93.2622, 104.5768)  
contains.

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# **Color**

**XYZ(89.0311, 93.2607,  
104.5755)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7F7FB
RGB	247, 247, 251
RGB Percent	97%, 97%, 98%
CMY	0.0314, 0.0313, 0.0157
CMYK	0.02, 0.02, 0.00, 0.02
HSL	240°, 33%, 98%
HSV	240°, 2%, 98%
XYZ	89.0311, 93.2607, 104.5755
YIQ	247.4560, -1.2840, 1.2440

# Conversions

## Conversions Part 2

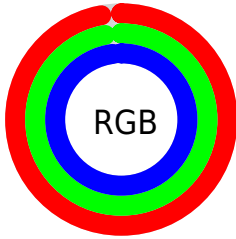
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	247, 247, 251
Decimal	16250875
CIE Lab	97.33, 0.71, -1.92
CIE LCh	97, 2.053, 290.369
Yxy	93.2607, 0.3104, 0.3251
Android (android.graphics.Color)	4294440955 (0xFF7F7FB)
YUV	247.4560, 1.7472, -0.3999
Hunter-Lab	96.5716, -4.4379, 3.3961

# Details

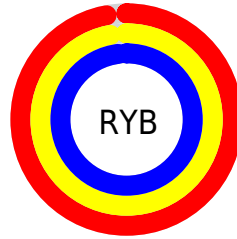
The XYZ color 89.0311, 93.2607, 104.5755 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 91.0695, 96.2179, 101.7691, and the grayscale version is 88.7685, 93.3914, 101.7032.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.9670, 52.2781, 59.0869 is the 20% darker color. If you saturate the color by 10%, you get 73.6101, 74.6856, 101.8043, and if you desaturate by 10%, it is 94.4129, 99.7451, 105.5449.

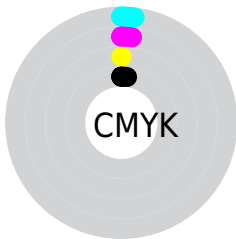
# Distribution



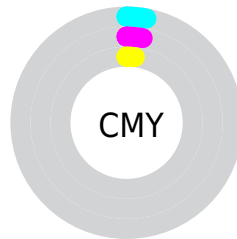
- Red (97%)
- Green (97%)
- Blue (98%)



- Red (97%)
- Yellow (97%)
- Blue (98%)



- Cyan (2%)
- Magenta (2%)
- Yellow (0%)
- Black (2%)



- Cyan (3%)
- Magenta (3%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.0311, 93.2607, 104.5755 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 89.0311, 93.2607, 104.5755 by changing the saturation by 10% instead.



89.0311, 93.2607,  
104.5755

89.0311, 93.2607,  
104.5755

513.1590,  
538.5817, 596.1362

67.5109, 70.6882,  
79.4891

144.8770,  
151.8595, 169.5374

49.7722, 52.0878,  
58.7743

179.9335,  
188.6546, 210.2500

35.4495, 37.0751,  
42.0127

220.2328,  
230.9593, 257.0083

24.1775, 25.2656,  
28.7856

266.1403,  
279.1581, 310.2311

15.5908, 16.2751,  
18.6745

318.0213,  
333.6354, 370.3367

9.3240, 9.7190,  
11.2609

376.2411,

5.0119, 5.2130,

394.7754, 437.7437

6.1262

441.1653,  
462.9627, 512.8707

■ 2.2891, 2.3728,  
2.8520

■ 0.7891, 0.8118,  
1.0195

■ 89.0311, 93.2607,  
104.5755

■ 89.0311, 93.2607,  
104.5755

■ 73.6101, 74.6856,  
101.8043

94.4129, 99.7451,  
105.5449

■ 60.3208, 58.6767,  
99.4147

■ 49.0721, 45.1250,  
97.3918

■ 39.7628, 33.9088,  
95.7176

■ 32.2833, 24.8963,  
94.3722

■ 26.5134, 17.9425,  
93.3341

■ 22.3179, 12.8850,  
92.5790

■ 19.5419, 9.5372,  
92.0791

■ 17.9987, 7.6746,  
91.8009

# Harmonies

## Analogous

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



88.4546, 93.2607, 104.7337



89.0311, 93.2607, 104.5755



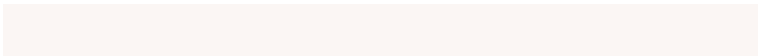
89.5051, 93.2607, 103.6004

# Triad

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



89.0311, 93.2607, 104.5755



89.3563, 93.2607, 99.0997



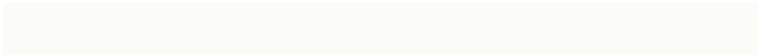
87.5441, 93.2607, 101.0105

# Complementary

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



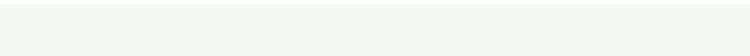
89.0311, 93.2607, 104.5755



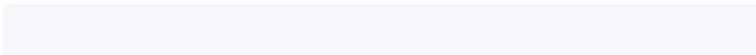
91.0695, 96.2179, 101.7691

# 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.



87.7835, 93.2607, 99.5170



89.0311, 93.2607, 104.5755



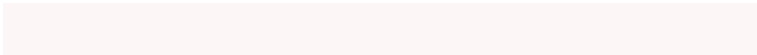
88.8286, 93.2607, 98.4218

# Square

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



89.0311, 93.2607, 104.5755



89.6934, 93.2607, 100.4350



88.2530, 93.2607, 98.5737

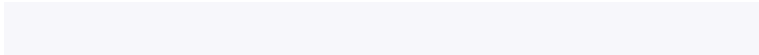


87.5978, 93.2607, 102.6633

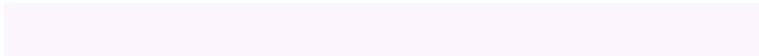


# Rectangle

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



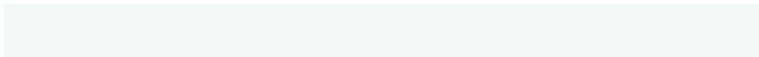
89.0311, 93.2607, 104.5755



89.6984, 93.2607, 102.6242



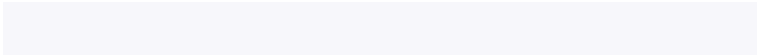
88.2530, 93.2607, 98.5737



87.5929, 93.2607, 100.4735

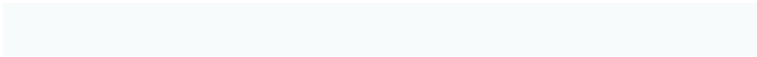
# Sweetspot

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



89.0338, 93.2647, 104.5775

95.0500, 100.0000, 108.9000



90.2584, 95.7308, 104.9339



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

# Same Dimension

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



89.0338, 93.2647, 104.5775



91.5947, 95.8379, 108.2788



89.7179, 93.6155, 104.6092



18.8039, 19.6807, 22.1930



9.1549, 3.6654, 48.1985

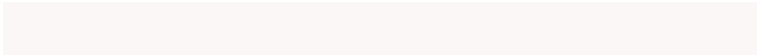


0.8484, 0.3405, 4.4642



# Inverse Universe

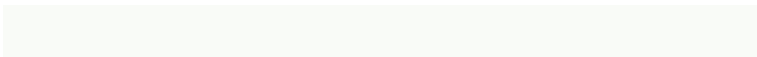
The Inverse Universe completely reimagines the original color for something new.



89.8350, 93.7478, 101.3607



92.6350, 96.4653, 104.1019



90.3778, 95.8633, 101.7371



19.0062, 19.8027, 21.3806



20.9130, 10.7809, 0.9844

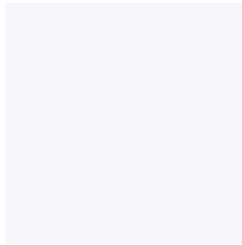


1.9372, 0.9986, 0.0925



# Previews

## White Background



This preview shows how the XYZ color 89.0311, 93.2607, 104.5755 looks on a white background.

## Color Contrast Check

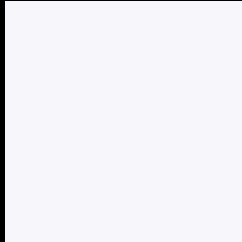
Large Text (above 18pt) WCAG AA × Fail

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 89.0311, 93.2607, 104.5755 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

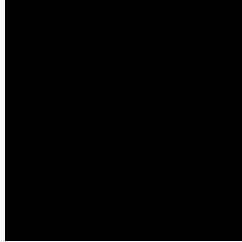
Any Text WCAG AAA ✓ Pass

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

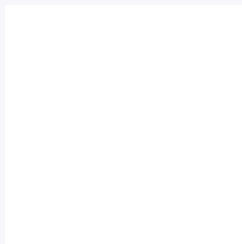


# XYZ 89.0311, 93.2607, 104.5755

## Background



This preview shows how black text looks on a background with the XYZ color 89.0311, 93.2607, 104.5755.



This preview shows how white text looks on a background with the XYZ color 89.0311, 93.2607,

104.5755.

# 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**

89.0311, 93.2607, 104.5755

**Protanopia**

89.9947, 93.3229, 103.7124

**Deuteranopia**

90.9913, 93.4044, 102.8556

## **Tritanopia**

89.7172, 93.0880, 107.8469

# Trichromacy

## Original Color

89.0311, 93.2607, 104.5755

## Protanomaly

89.6354, 93.1377, 103.6956

## Deuteranomaly

90.3560, 93.5091, 103.7293

## Tritanomaly

89.5566, 93.0238, 107.0012

# Monochromacy

## Original Color

89.0311, 93.2607, 104.5755

## Achromatopsia

88.4070, 93.0111, 101.2891

## Achromatomaly

88.5618, 93.0730, 102.1041

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.0311, 93.2607, 104.5755 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, 247, 251) looks like.

```
.text, #text, p{  
    color:rgb(247, 247, 251)  
}
```

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, 247, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 247, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 89.0311, 93.2607, 104.5755 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, 247, 251) }
```

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

```
.border{ border-color:rgb(247, 247, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 247, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(247, 247, 251); -webkit-box-shadow:4px 4px 4px 4px rgb(247, 247, 251); box-shadow:4px 4px 4px 4px rgb(247, 247, 251) }
```



# Background

The CSS property to change the background color of an element to XYZ 89.0311, 93.2607, 104.5755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 247, 251) }
```

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

```
.background{ background-color: rgb(247,  
247, 251) }
```

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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