

# Converting Colors

XYZ(89.0143, 92.7274,  
107.8144)

Have a look what the booklet for  
XYZ(89.0143, 92.7274, 107.8144)  
contains.

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# **Color**

**XYZ(89.0118, 92.7244,  
107.8139)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6F6FF
RGB	246, 246, 255
RGB Percent	96%, 96%, 100%
CMY	0.0353, 0.0353, 0.0000
CMYK	0.04, 0.04, 0.00, 0.00
HSL	240°, 100%, 98%
HSV	240°, 4%, 100%
XYZ	89.0118, 92.7244, 107.8139
YIQ	247.0260, -2.8890, 2.7990

# Conversions

## Conversions Part 2

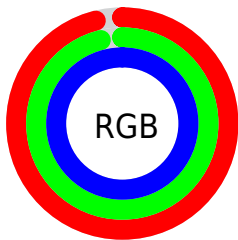
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	246, 246, 255
Decimal	16185087
CIE Lab	97.12, 1.62, -4.32
CIE LCh	97, 4.609, 290.543
Yxy	92.7244, 0.3074, 0.3202
Android (android.graphics.Color)	4294375167 (0xFF6F6FF)
YUV	247.0260, 3.9312, -0.8998
Hunter-Lab	96.2935, -3.5118, 1.0221

# Details

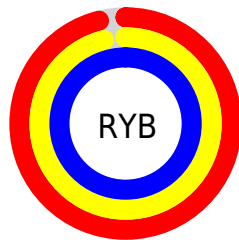
The XYZ color 89.0118, 92.7244, 107.8139 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 93.6335, 99.4313, 101.4473, and the grayscale version is 88.4021, 93.0059, 101.2835.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.8417, 51.8513, 60.8074 is the 20% darker color. If you saturate the color by 10%, you get 73.4465, 73.9725, 105.0148, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

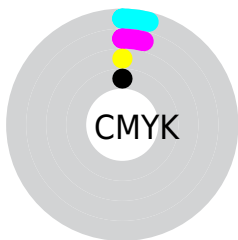
# Distribution



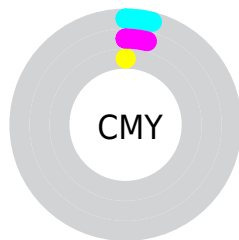
- Red (96%)
- Green (96%)
- Blue (100%)



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



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




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


# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.0118, 92.7244, 107.8139 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 89.0118, 92.7244, 107.8139 by changing the saturation by 10% instead.




 89.0118, 92.7244,  
107.8139

 89.0118, 92.7244,  
107.8139


513.0970,  
536.8539, 606.4240

 67.4949, 70.2425,  
82.1889


144.8503,  
151.1170, 173.9997

 49.7591, 51.7242,  
60.9846


179.9026,  
187.7964, 215.3977

 35.4390, 36.7853,  
43.7822


220.1975,  
229.9772, 262.8904

 24.1694, 25.0413,  
30.1634

266.1002,  
278.0436, 316.8964

 15.5847, 16.1078,  
19.7096

317.9762,  
332.3801, 377.8342

 9.3197, 9.6005,  
12.0021

376.1907,

 5.0091, 5.1349,

393.3710, 446.1224

6.6226

441.1092,  
461.4009, 522.1795

■ 2.2874, 2.3266,  
3.1524

■ 0.7882, 0.7877,  
1.1729

■ 89.0118, 92.7244,  
107.8139

■ 89.0118, 92.7244,  
107.8139

■ 73.4465, 73.9725,  
105.0148

95.0500, 100.0000,  
108.9000

■ 60.0778, 57.8656,  
102.6105

■ 48.8088, 44.2882,  
100.5837

■ 39.5331, 33.1118,  
98.9153

■ 32.1346, 24.1969,  
97.5845

■ 26.4854, 17.3892,  
96.5683

■ 22.4415, 12.5156,  
95.8407

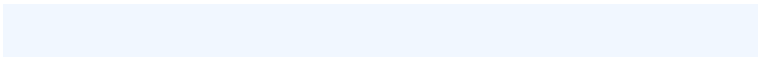
■ 19.8364, 9.3752,  
95.3718

■ 18.4668, 7.7236,  
95.1252

# Harmonies

## Analogous

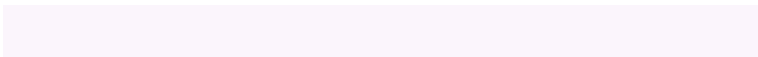
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.7217, 92.7244, 108.1883



89.0118, 92.7244, 107.8139



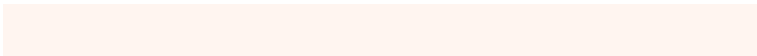
90.0758, 92.7244, 105.5790

# Triad

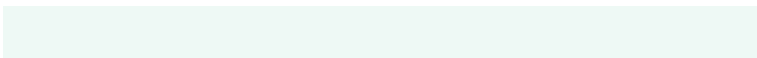
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.0118, 92.7244, 107.8139



89.7298, 92.7244, 95.5342



85.6891, 92.7244, 99.7895

# Complementary

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



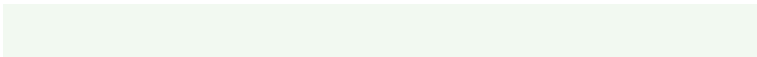
89.0118, 92.7244, 107.8139



93.6335, 99.4313, 101.4473

# 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.



86.2159, 92.7244, 96.4798



89.0118, 92.7244, 107.8139



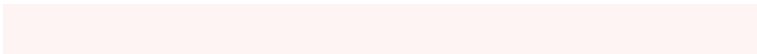
88.5431, 92.7244, 94.0632

# Square

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



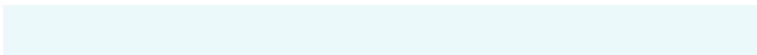
89.0118, 92.7244, 107.8139



90.4932, 92.7244, 98.4699



87.2575, 92.7244, 94.4050



85.8118, 92.7244, 103.4940

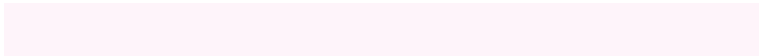


# Rectangle

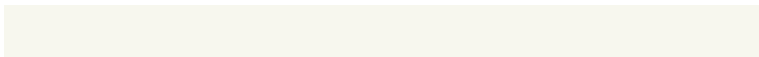
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



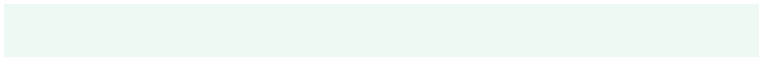
89.0118, 92.7244, 107.8139



90.5097, 92.7244, 103.3644



87.2575, 92.7244, 94.4050



85.7959, 92.7244, 98.5953

# Sweetspot

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



89.0142, 92.7282, 107.8145



93.3103, 97.9041, 108.5871



91.7925, 98.3235, 108.6216



19.9906, 20.9776, 23.2454



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.



89.0142, 92.7282, 107.8145



88.2298, 91.7832, 107.6735



90.5565, 93.5215, 107.8864



18.6191, 19.3252, 22.9988



9.4325, 3.7745, 49.6660



0.9186, 0.3680, 4.8359

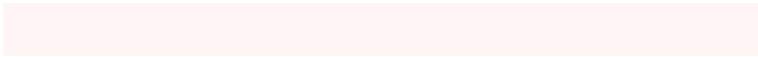


# Inverse Universe

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



90.8318, 93.8268, 100.5165



90.2835, 93.0245, 99.4270



92.0528, 98.6184, 101.3737



19.1387, 19.6393, 20.9124



21.5493, 11.1090, 1.0110

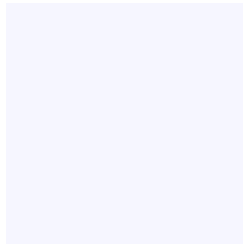


2.0983, 1.0817, 0.0990



# Previews

## White Background



This preview shows how the XYZ color 89.0118, 92.7244, 107.8139 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

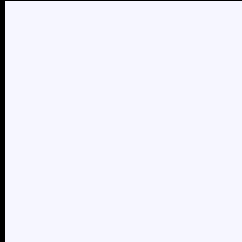
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.0118, 92.7244, 107.8139 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 89.0118, 92.7244, 107.8139

## Background



This preview shows how black text looks on a background with the XYZ color 89.0118, 92.7244, 107.8139.



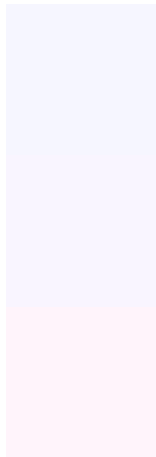
This preview shows how white text looks on a background with the XYZ color 89.0118, 92.7244,

107.8139.

# 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

89.0118, 92.7244, 107.8139

### Protanopia

89.7693, 92.6646, 107.7624

### Deuteranopia

91.0033, 92.9264, 104.4070

## **Tritanopia**

89.3635, 92.9057, 107.8304

# Trichromacy



**Original Color**

89.0118, 92.7244, 107.8139

**Protanomaly**

89.4138, 92.4813, 107.7458

**Deuteranomaly**

90.3680, 93.0285, 105.2889

**Tritanomaly**

89.3635, 92.9057, 107.8304

# Monochromacy



**Original Color**

89.0118, 92.7244, 107.8139

**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 89.0118, 92.7244, 107.8139 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(246, 246, 255) looks like.

```
.text, #text, p{  
    color:rgb(246, 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(246, 246, 255) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to XYZ 89.0118, 92.7244, 107.8139 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(246, 246, 255) }
```



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

```
.border{ border-color:rgb(246, 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(246, 246, 255)` colored shadow looks like.

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

# Background

The CSS property to change the background color of an element to XYZ 89.0118, 92.7244, 107.8139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(246,  
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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