

# Converting Colors

XYZ(89.1794, 92.1379,  
107.6919)

Have a look what the booklet for  
XYZ(89.1794, 92.1379, 107.6919)  
contains.

<b>XYZ(89.4138, 92.4813, 107.7458)</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(89.4138, 92.4813,  
107.7458)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8F5FF
RGB	248, 245, 255
RGB Percent	97%, 96%, 100%
CMY	0.0274, 0.0392, 0.0000
CMYK	0.03, 0.04, 0.00, 0.00
HSL	258°, 100%, 98%
HSV	258°, 4%, 100%
XYZ	89.4138, 92.4813, 107.7458
YIQ	247.0370, -1.4220, 3.7460

# Conversions

## Conversions Part 2

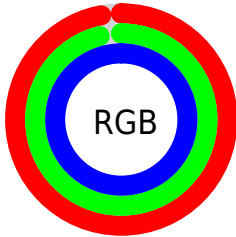
Format	Color
R <sub>Y</sub> B	248, 245, 255
Decimal	16315903
CIE Lab	97.02, 2.78, -4.44
CIE LCh	97, 5.242, 302.017
Yxy	92.4813, 0.3087, 0.3193
Android (android.graphics.Color)	4294505983 (0xFF8F5FF)
YUV	247.0370, 3.9258, 0.8446
Hunter-Lab	96.1672, -2.3279, 0.8885

# Details

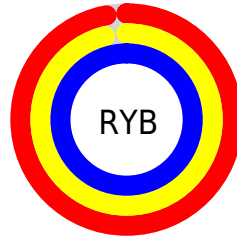
The XYZ color 89.4138, 92.4813, 107.7458 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 92.3887, 98.8092, 100.5936, and the grayscale version is 88.4103, 93.0145, 101.2928.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.1289, 51.6789, 60.7590 is the 20% darker color. If you saturate the color by 10%, you get 76.1936, 74.9945, 105.0673, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

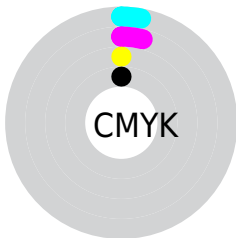
# Distribution



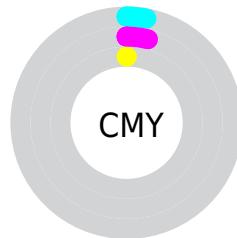
- Red (97%)
- Green (96%)
- Blue (100%)



- 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 89.4138, 92.4813, 107.7458 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 89.4138, 92.4813, 107.7458 by changing the saturation by 10% instead.




 89.4138, 92.4813,  
107.7458

 89.4138, 92.4813,  
107.7458

514.3885,  
536.0698, 606.2086

 67.8292, 70.0405,  
82.1321


145.4064,  
150.7803, 173.9060

 50.0320, 51.5595,  
60.9380


180.5451,  
187.4072, 215.2897

 35.6567, 36.6541,  
43.7449


220.9325,  
229.5316, 262.7670

 24.3381, 24.9398,  
30.1343

266.9341,  
277.5379, 316.7566

 15.7107, 16.0322,  
19.6876

318.9151,  
331.8105, 377.6771

 9.4092, 9.5469,  
11.9864

377.2409,

 5.0683, 5.0996,

392.7337, 445.9469

6.6120

442.2769,  
460.6920, 521.9845

■ 2.3225, 2.3058,  
3.1459

■ 0.8062, 0.7768,  
1.1696

■ 89.4138, 92.4813,  
107.7458

■ 89.4138, 92.4813,  
107.7458

■ 76.1936, 74.9945,  
105.0673

95.0500, 100.0000,  
108.9000

■ 64.5780, 59.8463,  
102.7556

■ 54.5057, 46.9392,  
100.7951

■ 45.9086, 36.1642,  
99.1685

■ 38.7132, 27.4032,  
97.8567

■ 32.8392, 20.5262,  
96.8389

■ 28.1975, 15.3874,  
96.0916

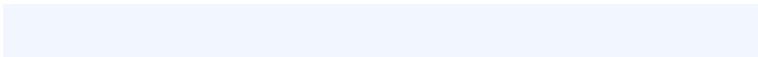
■ 24.6868, 11.8188,  
95.5879

■ 22.1863, 9.6167,  
95.2946

# Harmonies

## Analogous

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



88.0006, 92.4813, 109.0389



89.4138, 92.4813, 107.7458



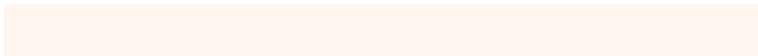
90.4306, 92.4813, 104.5581

# Triad

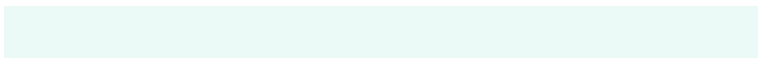
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.4138, 92.4813, 107.7458



89.2390, 92.4813, 93.6886



85.0951, 92.4813, 100.9827

# Complementary

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



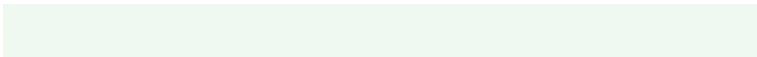
89.4138, 92.4813, 107.7458



92.3887, 98.8092, 100.5936

# 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.



85.4184, 92.4813, 96.9310



89.4138, 92.4813, 107.7458



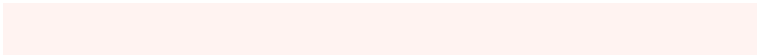
87.8009, 92.4813, 92.7907

# Square

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



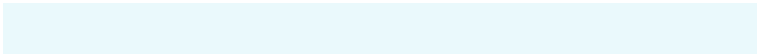
89.4138, 92.4813, 107.7458



90.3289, 92.4813, 96.4488



86.4048, 92.4813, 93.9614



85.5165, 92.4813, 105.0669



# Rectangle

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



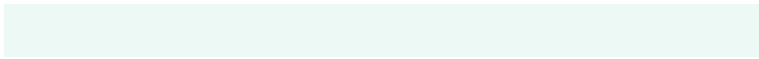
89.4138, 92.4813, 107.7458



90.7410, 92.4813, 101.8294



86.4048, 92.4813, 93.9614



85.1203, 92.4813, 99.5719

# Sweetspot

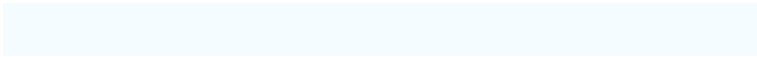
The Sweet Spot groups the original color and five complimentary colors.



89.4162, 92.4851, 107.7464



93.5880, 98.0467, 108.6000



90.5715, 96.3601, 108.4335



20.0471, 21.0066, 23.2480



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.



89.4162, 92.4851, 107.7464



87.9079, 90.4790, 107.4387



91.1520, 93.3800, 107.8277



18.6082, 19.0903, 22.9540



11.1377, 4.6522, 49.7455



1.1890, 0.5069, 4.8484



# Inverse Universe

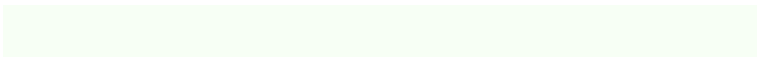
The Inverse Universe completely reimagines the original color for something new.



91.4655, 93.5969, 105.3442



90.5073, 91.8895, 104.3802



90.6605, 97.9182, 100.5127



19.2404, 19.4334, 22.2083



25.8464, 12.8278, 23.6391

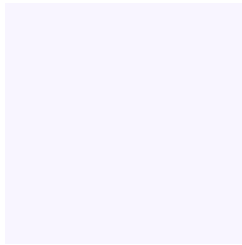


2.5649, 1.2683, 2.5561



# Previews

## White Background



This preview shows how the XYZ color 89.4138, 92.4813, 107.7458 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

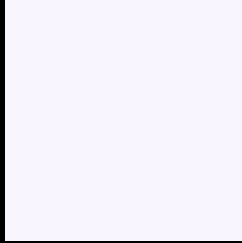
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.4138, 92.4813, 107.7458 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

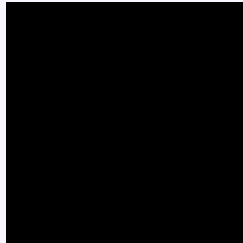
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 89.4138, 92.4813, 107.7458

## Background



This preview shows how black text looks on a background with the XYZ color 89.4138, 92.4813, 107.7458.



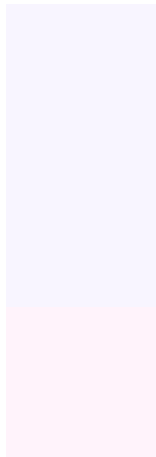
This preview shows how white text looks on a background with the XYZ color 89.4138, 92.4813,



# 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

89.4138, 92.4813, 107.7458

### Protanopia

89.4138, 92.4813, 107.7458

### Deuteranopia

90.7032, 92.3262, 104.3070

## Tritanopia

89.4138, 92.4813, 107.7458

# Trichromacy



**Original Color**

89.4138, 92.4813, 107.7458

**Protanomaly**

89.4138, 92.4813, 107.7458

**Deuteranomaly**

90.0663, 92.4251, 105.1883

**Tritanomaly**

89.4138, 92.4813, 107.7458

# Monochromacy



**Original Color**

89.4138, 92.4813, 107.7458

**Achromatopsia**

88.4070, 93.0111, 101.2891

**Achromatomaly**

88.5689, 92.5878, 103.6456

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.4138, 92.4813, 107.7458 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(248, 245, 255) looks like.

```
.text, #text, p{  
    color:rgb(248, 245, 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(248, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 245, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 89.4138, 92.4813, 107.7458 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(248, 245, 255) }
```



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

```
.border{ border-color:rgb(248, 245, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(248, 245,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.4138, 92.4813, 107.7458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 245, 255) }
```

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

```
.background{ background-color: rgb(248,  
245, 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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