

# Converting Colors

XYZ(87.1711, 90.1018,  
107.4047)

Have a look what the booklet for  
XYZ(87.1711, 90.1018, 107.4047)  
contains.

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# Color

**XYZ(87.1104, 89.9574,  
107.3800)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4F2FF
RGB	244, 242, 255
RGB Percent	96%, 95%, 100%
CMY	0.0431, 0.0510, 0.0000
CMYK	0.04, 0.05, 0.00, 0.00
HSL	249°, 100%, 97%
HSV	249°, 5%, 100%
XYZ	87.1104, 89.9574, 107.3800
YIQ	244.0800, -2.9810, 4.4670

# Conversions

## Conversions Part 2

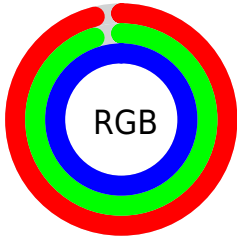
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	244, 242, 255
Decimal	16052991
CIE <sub>Lab</sub>	95.98, 3.01, -6.01
CIE <sub>LCh</sub>	96, 6.719, 296.596
Yxy	89.9574, 0.3062, 0.3163
Android (android.graphics.Color)	4294243071 (0xFFFF4F2FF)
YUV	244.0800, 5.3836, -0.0702
Hunter-Lab	94.8459, -2.0385, -0.7332

# Details

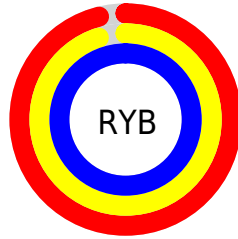
The XYZ color **87.1104, 89.9574, 107.3800** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **92.2973, 98.8145, 98.2174**, and the grayscale version is **86.0152, 90.4947, 98.5487**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.4910, 49.8864, 60.4994** is the 20% darker color. If you saturate the color by 10%, you get **72.9885, 72.1872, 104.6944**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

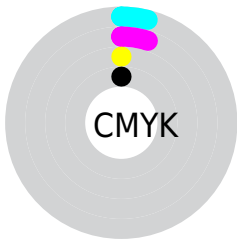
# Distribution



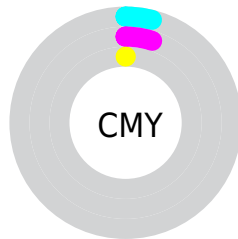
- Red (96%)
- Green (95%)
- Blue (100%)



- Red (96%)
- Yellow (95%)
- Blue (100%)



- Cyan (4%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)




- Cyan (4%)
- Magenta (5%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.1104, 89.9574, 107.3800 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 87.1104, 89.9574, 107.3800 by changing the saturation by 10% instead.




 87.1104, 89.9574,  
107.3800

 87.1104, 89.9574,  
107.3800


506.9647,  
527.8923, 605.0509

 65.9149, 67.9453,  
81.8269


142.2169,  
147.2792, 173.4026

 48.4708, 49.8532,  
60.6879


176.8586,  
183.3577, 214.7092

 34.4127, 35.2968,  
43.5444

216.7131,  
224.8939, 262.1041

 23.3752, 23.8916,  
29.9779

262.1457,  
272.2720, 316.0057

 14.9930, 15.2532,  
19.5699

313.5218,  
325.8765, 376.8327

 8.9008, 8.9973,  
11.9018

371.2068,

 4.7331, 4.7394,

386.0918, 445.0035

6.5552

435.5659,  
453.3022, 520.9367

■ 2.1247, 2.0952,  
3.1113

■ 0.7026, 0.6619,  
1.1517

■ 87.1104, 89.9574,  
107.3800

■ 87.1104, 89.9574,  
107.3800

■ 72.9885, 72.1872,  
104.6944

95.0500, 100.0000,  
108.9000

■ 60.7256, 56.8790,  
102.3859

■ 50.2458, 43.9271,  
100.4383

■ 41.4650, 33.2137,  
98.8332

■ 34.2923, 24.6107,  
97.5507

■ 28.6284, 17.9772,  
96.5688

■ 24.3621, 13.1545,  
95.8628

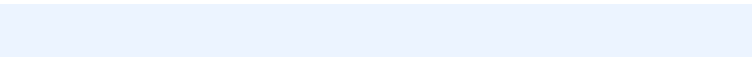
■ 21.3669, 9.9591,  
95.4039

■ 19.4912, 8.1674,  
95.1569

# Harmonies

## Analogous

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



85.2900, 89.9574, 108.5153



87.1104, 89.9574, 107.3800



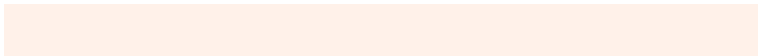
88.5175, 89.9574, 103.6868

# Triad

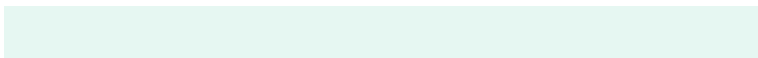
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.1104, 89.9574, 107.3800



87.4827, 89.9574, 89.6569



81.9867, 89.9574, 97.3424

# Complementary

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



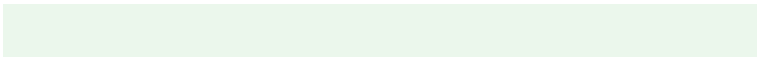
87.1104, 89.9574, 107.3800



92.2973, 98.8145, 98.2174

# 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.



82.5554, 89.9574, 92.4256



87.1104, 89.9574, 107.3800



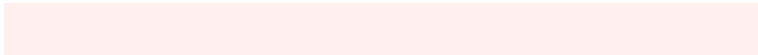
85.7140, 89.9574, 88.0906

# Square

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



87.1104, 89.9574, 107.3800



88.7346, 89.9574, 93.4410



83.9131, 89.9574, 89.0857



82.3485, 89.9574, 102.5983



# Rectangle

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



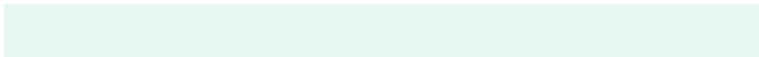
87.1104, 89.9574, 107.3800



89.0225, 89.9574, 100.3381



83.9131, 89.9574, 89.0857



82.0752, 89.9574, 95.5968

# Sweetspot

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



87.1128, 89.9611, 107.3806



91.8743, 95.9796, 108.2914



89.8113, 96.3809, 108.4776



19.6982, 20.5857, 23.1852



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.



87.1128, 89.9611, 107.3806



85.7571, 88.2499, 107.1218



89.3904, 91.1353, 107.4872



18.1481, 18.6273, 22.8889



9.9490, 4.0394, 49.6899



1.0409, 0.4305, 4.8415



# Inverse Universe

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



90.7241, 91.8598, 105.8807



89.9857, 90.4732, 105.3564



89.9884, 97.6243, 98.1094



19.1476, 19.1529, 22.4700



28.0588, 13.7128, 35.2896

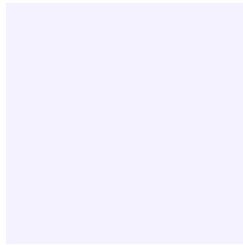


2.7630, 1.3476, 3.5992



# Previews

## White Background



This preview shows how the XYZ color 87.1104, 89.9574, 107.3800 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

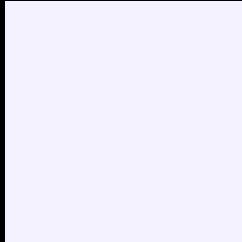
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.1104, 89.9574, 107.3800 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

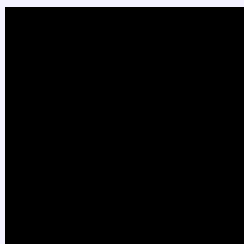
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 87.1104, 89.9574, 107.3800

## Background



This preview shows how black text looks on a background with the XYZ color 87.1104, 89.9574, 107.3800.



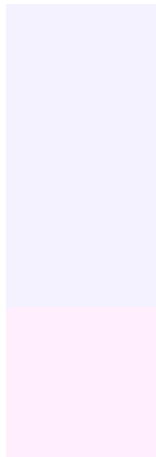
This preview shows how white text looks on a background with the XYZ color 87.1104, 89.9574,

107.3800.

# 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

87.1104, 89.9574, 107.3800

### Protanopia

87.1104, 89.9574, 107.3800

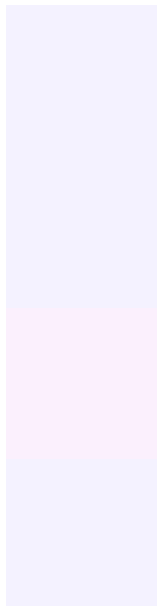
### Deuteranopia

89.6772, 90.0213, 104.7448

## **Tritanopia**

87.1104, 89.9574, 107.3800

# Trichromacy



## Original Color

87.1104, 89.9574, 107.3800

## Protanomaly

87.1104, 89.9574, 107.3800

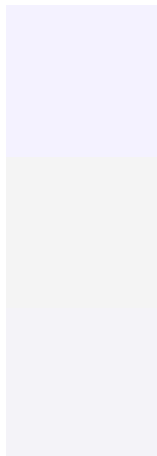
## Deuteranomaly

88.6734, 89.9213, 105.6115

## Tritanomaly

87.1104, 89.9574, 107.3800

# Monochromacy



## Original Color

87.1104, 89.9574, 107.3800

## Achromatopsia

85.9880, 90.4661, 98.5176

## Achromatomaly

86.3021, 90.1116, 101.6516

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.1104, 89.9574, 107.3800 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(244, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(244, 242, 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(244, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 242, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 87.1104, 89.9574, 107.3800 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(244, 242, 255) }
```



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

```
.border{ border-color:rgb(244, 242, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(244, 242,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.1104, 89.9574, 107.3800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 242, 255) }
```

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

```
.background{ background-color: rgb(244,  
242, 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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