

# Converting Colors

XYZ(89.5140, 85.0166,  
131.9057)

Have a look what the booklet for  
XYZ(89.5140, 85.0166, 131.9057)  
contains.

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# **Color**

**XYZ(84.7807, 83.2151,  
106.2014)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8E5FF
RGB	248, 229, 255
RGB Percent	97%, 90%, 100%
CMY	0.0274, 0.1019, 0.0000
CMYK	0.03, 0.10, 0.00, 0.00
HSL	284°, 100%, 95%
HSV	284°, 10%, 100%
XYZ	84.7807, 83.2151, 106.2014
YIQ	237.6450, 2.9780, 12.1140

# Conversions

## Conversions Part 2

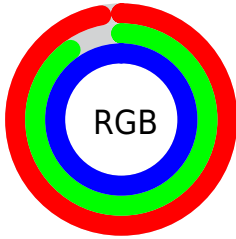
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	248, 229, 255
Decimal	16311807
CIE Lab	93.11, 11.01, -10.23
CIE LCh	93, 15.028, 317.120
Yxy	83.2151, 0.3092, 0.3035
Android (android.graphics.Color)	4294501887 (0xFF8E5FF)
YUV	237.6450, 8.5560, 9.0813
Hunter-Lab	91.2223, 6.2563, -5.1701

# Details

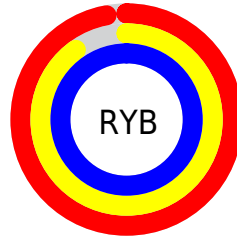
The XYZ color **84.7807, 83.2151, 106.2014** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.4971, 95.0110, 88.0184**, and the grayscale version is **80.9300, 85.1446, 92.7225**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.0673, 45.5558, 59.7385** is the 20% darker color. If you saturate the color by 10%, you get **75.8478, 68.8960, 103.9084**, and if you desaturate by 10%, it is **94.8436, 99.6598, 108.8452**.

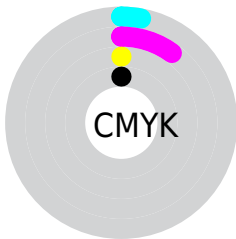
# Distribution



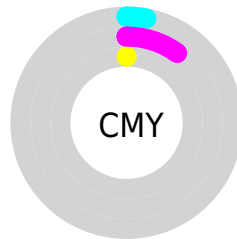
- Red (97%)
- Green (90%)
- Blue (100%)



- Red (97%)
- Yellow (90%)
- Blue (100%)



- Cyan (3%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (3%)
- Magenta (10%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.7807, 83.2151, 106.2014 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 84.7807, 83.2151, 106.2014 by changing the saturation by 10% instead.



84.7807, 83.2151,  
106.2014

84.7807, 83.2151,  
106.2014

499.3967,  
505.7031, 601.3129

63.9821, 62.3676,  
80.8440

138.9824,  
137.8767, 171.7795

46.8978, 45.3298,  
59.8828

173.1161,  
172.4596, 212.8372

33.1625, 31.7173,  
42.8995

212.4256,  
212.3897, 259.9654

22.4108, 21.1456,  
29.4755

257.2762,  
258.0515, 313.5826

14.2773, 13.2305,  
19.1921

308.0332,  
309.8294, 374.1075

8.3968, 7.5875,  
11.6310

365.0621,

4.4038, 3.8321,

368.1076, 441.9584

6.3735

428.7282,  
433.2708, 517.5540

■ 1.9330, 1.5801,  
3.0010

■ 0.5959, 0.3441,  
1.0952

■ 84.7807, 83.2151,  
106.2014

■ 84.7807, 83.2151,  
106.2014

■ 75.8478, 68.8960,  
103.9084

94.8436, 99.6598,  
108.8452

■ 67.9924, 56.6015,  
101.9493

95.0500, 100.0000,  
108.9000

■ 61.1673, 46.2380,  
100.3087

■ 55.3193, 37.7004,  
98.9690

■ 50.3899, 30.8733,  
97.9110

■ 46.3141, 25.6278,  
97.1134

■ 43.0172, 21.8165,  
96.5515

■ 40.4105, 19.2635,  
96.1961

■ 38.3844, 17.7027,  
96.0016

# Harmonies

## Analogous

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



81.3465, 83.2151, 112.9848



84.7807, 83.2151, 106.2014



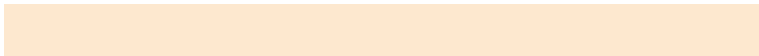
86.7176, 83.2151, 95.5345

# Triad

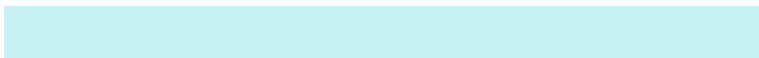
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.7807, 83.2151, 106.2014



80.7957, 83.2151, 71.0441



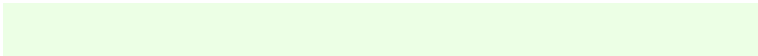
72.0662, 83.2151, 97.1508

# Complementary

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



84.7807, 83.2151, 106.2014



84.4971, 95.0110, 88.0184

# 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.



71.9298, 83.2151, 85.8521



84.7807, 83.2151, 106.2014



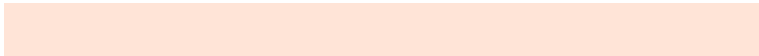
76.8824, 83.2151, 71.3982

# Square

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



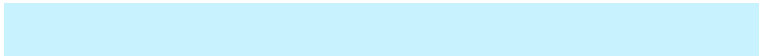
84.7807, 83.2151, 106.2014



84.3660, 83.2151, 75.6081



73.6664, 83.2151, 76.6193



74.0453, 83.2151, 107.4691



# Rectangle

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



84.7807, 83.2151, 106.2014



86.8584, 83.2151, 87.9422



73.6664, 83.2151, 76.6193



71.8057, 83.2151, 93.3252

# Sweetspot

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



84.7829, 83.2186, 106.2020



91.9042, 94.8273, 108.0674



80.4673, 84.0836, 106.5964



19.4951, 20.0082, 23.0844



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.



84.7829, 83.2186, 106.2020



83.0871, 80.4774, 105.7623



86.4172, 84.1643, 101.6144



18.2876, 18.0400, 22.7682



20.2065, 9.3273, 50.1699



2.0717, 0.9619, 4.8897



# Inverse Universe

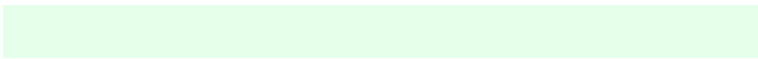
The Inverse Universe completely reimagines the original color for something new.



84.4018, 83.3582, 91.0012



82.6596, 80.6491, 88.0303



83.0180, 94.1562, 92.1217



18.2102, 18.0674, 19.7241



22.1572, 11.3522, 4.2122

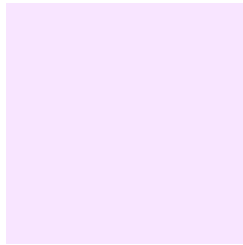


2.2006, 1.1226, 0.6377



# Previews

## White Background



This preview shows how the XYZ color 84.7807, 83.2151, 106.2014 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

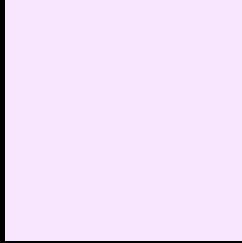
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.7807, 83.2151, 106.2014 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

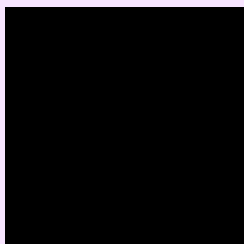
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 84.7807, 83.2151, 106.2014

## Background



This preview shows how black text looks on a background with the XYZ color 84.7807, 83.2151, 106.2014.



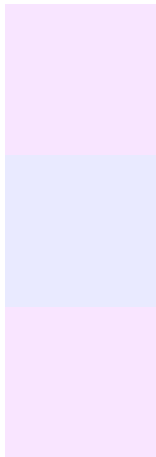
This preview shows how white text looks on a background with the XYZ color 84.7807, 83.2151,



# 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

84.7807, 83.2151, 106.2014

### Protanopia

81.0771, 83.3893, 106.4303

### Deuteranopia

85.1362, 83.3984, 106.2181



## Tritanopia

83.5979, 83.1451, 100.4495

# Trichromacy



## Original Color

84.7807, 83.2151, 106.2014

## Protanomaly

82.1665, 83.1104, 106.3190

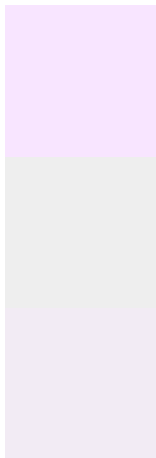
## Deuteranomaly

85.1362, 83.3984, 106.2181

## Tritanomaly

84.0672, 83.3328, 102.9208

# Monochromacy



## Original Color

84.7807, 83.2151, 106.2014

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

82.6554, 84.8256, 97.6045

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.7807, 83.2151, 106.2014 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, 229, 255) looks like.

```
.text, #text, p{  
    color:rgb(248, 229, 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, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 229, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 84.7807, 83.2151, 106.2014 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, 229, 255) }
```



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

```
.border{ border-color:rgb(248, 229, 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, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(248, 229,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.7807, 83.2151, 106.2014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 229, 255) }
```

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

```
.background{ background-color: rgb(248,  
229, 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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