

# Converting Colors

XYZ(84.3864, 83.8675,  
106.3481)

Have a look what the booklet for  
XYZ(84.3864, 83.8675, 106.3481)  
contains.

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# Color

**XYZ(84.2821, 83.7843,  
106.3376)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5E7FF
RGB	245, 231, 255
RGB Percent	96%, 91%, 100%
CMY	0.0392, 0.0941, 0.0000
CMYK	0.04, 0.09, 0.00, 0.00
HSL	275°, 100%, 95%
HSV	275°, 9%, 100%
XYZ	84.2821, 83.7843, 106.3376
YIQ	237.9220, 0.6400, 10.4320

# Conversions

## Conversions Part 2

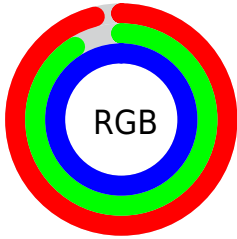
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	245, 231, 255
Decimal	16115711
CIE Lab	93.36, 9.00, -9.88
CIE LCh	93, 13.365, 312.313
Yxy	83.7843, 0.3071, 0.3053
Android (android.graphics.Color)	4294305791 (0xFF5E7FF)
YUV	237.9220, 8.4195, 6.2074
Hunter-Lab	91.5338, 4.1744, -4.8054

# Details

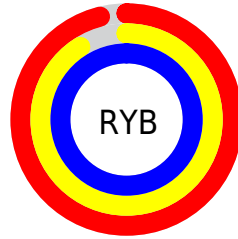
The XYZ color **84.2821, 83.7843, 106.3376** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.4615, 95.9913, 89.5766**, and the grayscale version is **81.1463, 85.3722, 92.9703**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.5093, 45.5560, 59.7680** is the 20% darker color. If you saturate the color by 10%, you get **74.0578, 68.6811, 103.9613**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

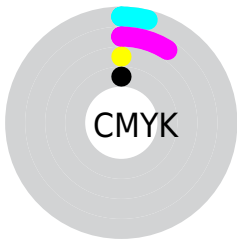
# Distribution



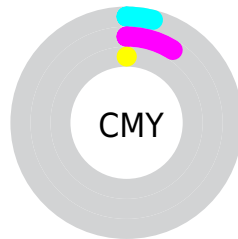
- Red (96%)
- Green (91%)
- Blue (100%)



- Red (96%)
- Yellow (91%)
- Blue (100%)



- Cyan (4%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (4%)
- Magenta (9%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.2821, 83.7843, 106.3376 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 84.2821, 83.7843, 106.3376 by changing the saturation by 10% instead.



84.2821, 83.7843,  
106.3376

84.2821, 83.7843,  
106.3376

497.7691,  
507.5967, 601.7455

63.5689, 62.8374,  
80.9575

138.2889,  
138.6734, 171.9671

46.5619, 45.7097,  
59.9758

172.3133,  
173.3844, 213.0537

32.8960, 32.0168,  
42.9740

211.5053,  
213.4521, 260.2128

22.2056, 21.3743,  
29.5334

256.2305,  
259.2611, 313.8629

14.1255, 13.3979,  
19.2357

306.8540,  
311.1956, 374.4228

8.2903, 7.7031,  
11.6622

363.7414,

4.3346, 3.9056,

369.6401, 442.3108

6.3943

427.2580,  
434.9790, 517.9455

■ 1.8931, 1.6209,  
3.0137

■ 0.5728, 0.3716,  
1.1016

■ 84.2821, 83.7843,  
106.3376

■ 84.2821, 83.7843,  
106.3376

■ 74.0578, 68.6811,  
103.9613

95.0500, 100.0000,  
108.9000

■ 65.0357, 55.6723,  
101.9258

■ 57.1661, 44.6633,  
100.2156

■ 50.3936, 35.5484,  
98.8132

■ 44.6571, 28.2114,  
97.6994

■ 39.8892, 22.5234,  
96.8528

■ 36.0133, 18.3370,  
96.2490

■ 32.9388, 15.4775,  
95.8591

■ 30.5288, 13.6773,  
95.6387

# Harmonies

## Analogous

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



81.0878, 83.7843, 111.5233



84.2821, 83.7843, 106.3376



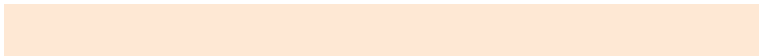
86.2640, 83.7843, 97.2486

# Triad

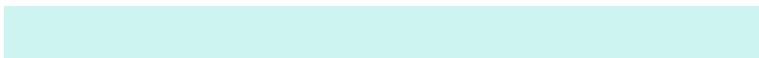
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.2821, 83.7843, 106.3376



81.7102, 83.7843, 73.9642



73.1981, 83.7843, 95.4269

# Complementary

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



84.2821, 83.7843, 106.3376



86.4615, 95.9913, 89.5766

# 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.



73.3536, 83.7843, 85.4590



84.2821, 83.7843, 106.3376



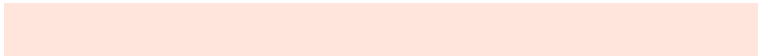
78.1986, 83.7843, 73.5557

# Square

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



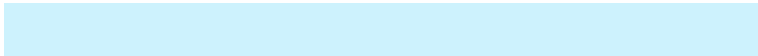
84.2821, 83.7843, 106.3376



84.7493, 83.7843, 78.7805



75.1609, 83.7843, 77.6200



74.7297, 83.7843, 104.9196



# Rectangle

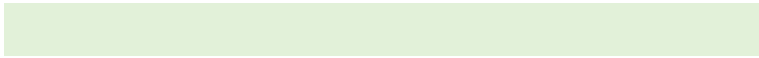
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.2821, 83.7843, 106.3376



86.5963, 83.7843, 90.4460



75.1609, 83.7843, 77.6200



73.0561, 83.7843, 92.0122

# Sweetspot

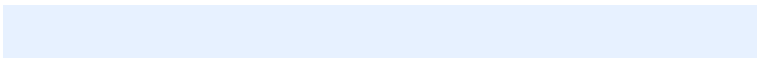
The Sweet Spot groups the original color and five complimentary colors.



84.2843, 83.7878, 106.3381



91.4949, 94.6162, 108.0482



82.5816, 87.3594, 107.1173



19.3845, 19.9511, 23.0792



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.



84.2843, 83.7878, 106.3381



82.5753, 81.2411, 105.9366



87.6110, 85.5324, 105.1551



18.0183, 17.9012, 22.7556



16.0576, 7.1885, 49.9758



1.6880, 0.7641, 4.8718



# Inverse Universe

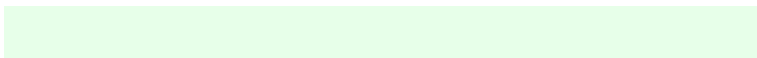
The Inverse Universe completely reimagines the original color for something new.



85.6952, 84.7661, 95.0669



84.2220, 82.3814, 92.8435



83.3684, 94.3705, 90.6168



18.3233, 18.1126, 20.3196



22.9854, 11.6834, 8.5735

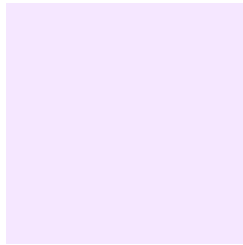


2.2909, 1.1588, 1.1136



# Previews

## White Background



This preview shows how the XYZ color 84.2821, 83.7843, 106.3376 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

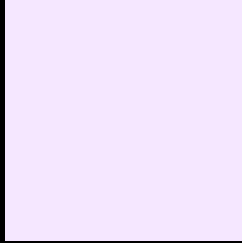
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.2821, 83.7843, 106.3376 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

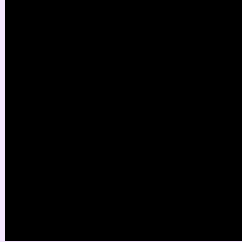
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

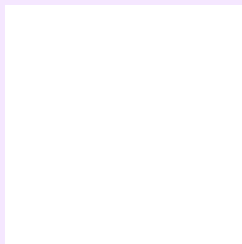
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 84.2821, 83.7843, 106.3376**

## **Background**



This preview shows how black text looks on a background with the XYZ color 84.2821, 83.7843, 106.3376.



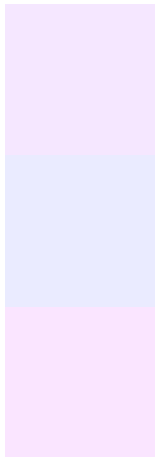
This preview shows how white text looks on a background with the XYZ color 84.2821, 83.7843,

106.3376.

# 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

84.2821, 83.7843, 106.3376

### Protanopia

81.6900, 84.1291, 106.5408

### Deuteranopia

85.4937, 83.5826, 106.2348



## Tritanopia

83.4202, 83.8484, 102.2301

# Trichromacy



## Original Color

84.2821, 83.7843, 106.3376

## Protanomaly

82.7327, 84.2428, 106.5077

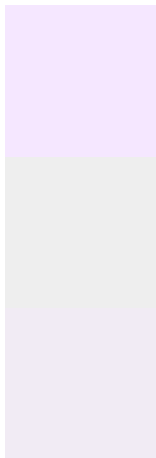
## Deuteranomaly

85.0582, 83.7701, 106.2939

## Tritanomaly

83.7355, 83.9746, 103.8908

# Monochromacy



## Original Color

84.2821, 83.7843, 106.3376

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

82.3131, 84.6491, 97.5885

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.2821, 83.7843, 106.3376 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(245, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(245, 231, 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(245, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 231, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 84.2821, 83.7843, 106.3376 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(245, 231, 255) }
```



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

```
.border{ border-color:rgb(245, 231, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(245, 231,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.2821, 83.7843, 106.3376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 231, 255) }
```

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

```
.background{ background-color: rgb(245,  
231, 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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