

# Converting Colors

XYZ(85.4937, 83.5826,  
106.2348)

Have a look what the booklet for  
XYZ(85.4937, 83.5826, 106.2348)  
contains.

|  |    |
|--|----|
| <b>XYZ(85.4937, 83.5826, 106.2348)</b> .....   | 3  |
| <i><b>Conversions</b></i> .....                | 4  |
| <i><b>Details</b></i> .....                    | 6  |
| <i><b>Harmonies</b></i> .....                  | 12 |
| <i><b>Previews</b></i> .....                   | 24 |
| <i><b>Color Blindness Simulation</b></i> ..... | 28 |
| <i><b>CSS Examples</b></i> .....               | 31 |

# Color

**XYZ(85.4937, 83.5826,  
106.2348)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | FAE5FF                     |
| RGB         | 250, 229, 255              |
| RGB Percent | 98%, 90%, 100%             |
| CMY         | 0.0196, 0.1019, 0.0000     |
| CMYK        | 0.02, 0.10, 0.00, 0.00     |
| HSL         | 288°, 100%, 95%            |
| HSV         | 288°, 10%, 100%            |
| XYZ         | 85.4937, 83.5826, 106.2348 |
| YIQ         | 238.2430, 4.1700, 12.5380  |

# Conversions

## Conversions Part 2

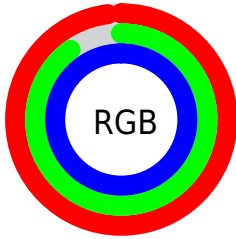
| <b>Format</b>                       | <b>Color</b>                 |
|-------------------------------------|------------------------------|
| R <sub>Y</sub> B                    | 250, 229, 255                |
| Decimal                             | 16442879                     |
| CIE Lab                             | 93.27, 11.67, -9.97          |
| CIE LCh                             | 93, 15.347, 319.482          |
| Yxy                                 | 83.5826, 0.3105,<br>0.3036   |
| Android<br>(android.graphics.Color) | 4294632959<br>(0xFFFAE5FF)   |
| YUV                                 | 238.2430, 8.2612,<br>10.3109 |
| Hunter-Lab                          | 91.4235, 6.9312,<br>-4.8990  |

# Details

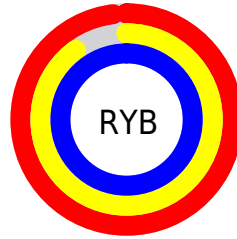
The XYZ color **85.4937, 83.5826, 106.2348** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.8365, 94.6705, 87.9874**, and the grayscale version is **81.3940, 85.6328, 93.2541**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.3214, 45.6868, 59.7504** is the 20% darker color. If you saturate the color by 10%, you get **77.2163, 69.6014, 103.9724**, and if you desaturate by 10%, it is **94.8575, 99.6670, 108.8459**.

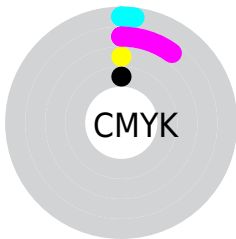
# Distribution



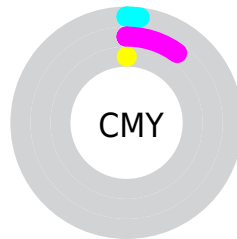
- Red (98%)
- Green (90%)
- Blue (100%)



- Red (98%)
- Yellow (90%)
- Blue (100%)



- Cyan (2%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (2%)
- Magenta (10%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.4937, 83.5826, 106.2348 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 85.4937, 83.5826, 106.2348 by changing the saturation by 10% instead.




 85.4937, 83.5826,  
106.2348

 85.4937, 83.5826,  
106.2348


501.7194,  
506.9261, 601.4190

 64.5733, 62.6709,  
80.8718


139.9732,  
138.3911, 171.8255

 47.3785, 45.5750,  
59.9056


174.2630,  
173.0568, 212.8903

 33.5442, 31.9106,  
42.9178

213.7399,  
213.0758, 260.0261

 22.7049, 21.2932,  
29.4897

258.7694,  
258.8327, 313.6514

 14.4953, 13.3385,  
19.2028

309.7167,  
310.7117, 374.1848

 8.5499, 7.6620,  
11.6386

366.9472,

 4.5035, 3.8795,

369.0974, 442.0448

6.3786

430.8263,  
434.3741, 517.6500

■ 1.9908, 1.6064,  
3.0041

■ 0.6288, 0.3619,  
1.0967

■ 85.4937, 83.5826,  
106.2348

■ 85.4937, 83.5826,  
106.2348

■ 77.2163, 69.6014,  
103.9724

94.8575, 99.6670,  
108.8459

■ 69.9733, 57.6226,  
102.0420

95.0500, 100.0000,  
108.9000

■ 63.7183, 47.5530,  
100.4281

■ 58.3985, 39.2878,  
99.1131

■ 53.9563, 32.7118,  
98.0779

■ 50.3271, 27.6966,  
97.3012

■ 47.4371, 24.0951,  
96.7583

■ 45.1982, 21.7316,  
96.4202

■ 43.4953, 20.3375,  
96.2408

# Harmonies

## Analogous

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



82.0609, 83.5826, 113.6258



85.4937, 83.5826, 106.2348



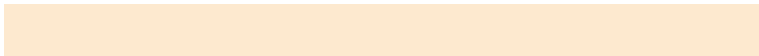
87.3252, 83.5826, 95.1278

# Triad

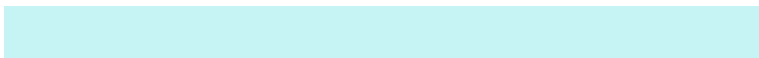
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.4937, 83.5826, 106.2348



80.8688, 83.5826, 70.8451



72.3442, 83.5826, 98.6280

# Complementary

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



85.4937, 83.5826, 106.2348



83.8365, 94.6705, 87.9874

# 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.



72.0495, 83.5826, 87.0074



85.4937, 83.5826, 106.2348



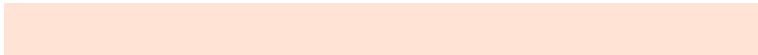
76.8809, 83.5826, 71.6091

# Square

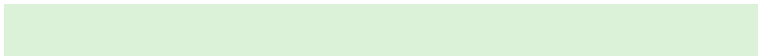
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.4937, 83.5826, 106.2348



84.5956, 83.5826, 75.1254



73.6843, 83.5826, 77.3091



74.5035, 83.5826, 108.9831



# Rectangle

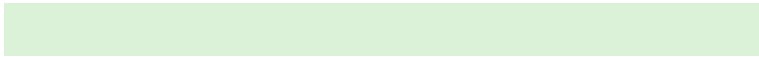
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.4937, 83.5826, 106.2348



87.3512, 83.5826, 87.3924



73.6843, 83.5826, 77.3091



72.0267, 83.5826, 94.7204

# Sweetspot

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



85.4959, 83.5861, 106.2354



92.1188, 94.9379, 108.0774



79.8460, 82.8411, 106.3893



19.5532, 20.0381, 23.0871



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.



85.4959, 83.5861, 106.2354



83.9217, 80.9077, 105.8013



86.0805, 84.0296, 99.8414



18.4302, 18.1135, 22.7748



22.8490, 10.6896, 50.2936



2.3085, 1.0840, 4.9008



# Inverse Universe

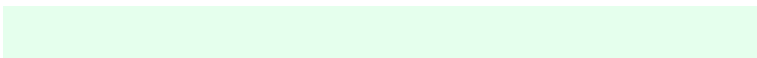
The Inverse Universe completely reimagines the original color for something new.



84.1127, 83.2425, 89.4789



82.3261, 80.5157, 86.2739



83.3323, 94.2819, 93.7768



18.1521, 18.0441, 19.4180



21.8792, 11.2410, 2.7481

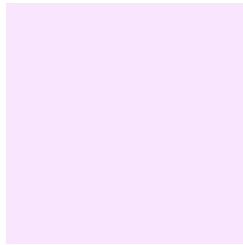


2.1661, 1.1088, 0.4560



# Previews

## White Background



This preview shows how the XYZ color 85.4937, 83.5826, 106.2348 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

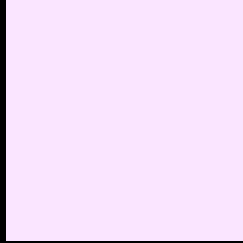
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.4937, 83.5826, 106.2348 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

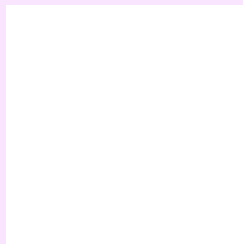
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 85.4937, 83.5826, 106.2348

## Background



This preview shows how black text looks on a background with the XYZ color 85.4937, 83.5826, 106.2348.



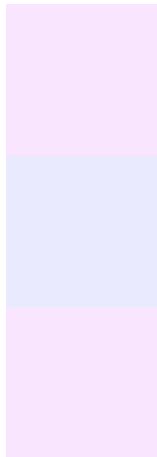
This preview shows how white text looks on a background with the XYZ color 85.4937, 83.5826,

106.2348.

# 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

85.4937, 83.5826, 106.2348

### Protanopia

81.4045, 83.5581, 106.4456

### Deuteranopia

85.4937, 83.5826, 106.2348



## Tritanopia

84.3070, 83.5107, 100.4827

# Trichromacy



## Original Color

85.4937, 83.5826, 106.2348

## Protanomaly

82.8418, 83.4585, 106.3506

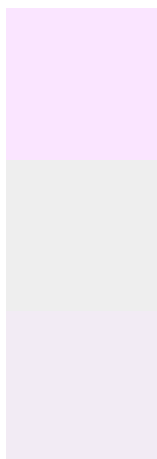
## Deuteranomaly

85.4937, 83.5826, 106.2348

## Tritanomaly

84.7763, 83.6984, 102.9540

# Monochromacy



## Original Color

85.4937, 83.5826, 106.2348

## 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 85.4937, 83.5826, 106.2348 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(250, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(250, 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(250, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 229, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 85.4937, 83.5826, 106.2348 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(250, 229, 255) }
```



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

```
.border{ border-color:rgb(250, 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(250, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(250, 229,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.4937, 83.5826, 106.2348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 229, 255) }
```

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

```
.background{ background-color: rgb(250,  
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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