

# Converting Colors

XYZ(89.7411, 87.7340,  
133.0654)

Have a look what the booklet for  
XYZ(89.7411, 87.7340, 133.0654)  
contains.

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# Color

**XYZ(84.7205, 85.6913,  
106.6826)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3EBFF
RGB	243, 235, 255
RGB Percent	95%, 92%, 100%
CMY	0.0471, 0.0784, 0.0000
CMYK	0.05, 0.08, 0.00, 0.00
HSL	264°, 100%, 96%
HSV	264°, 8%, 100%
XYZ	84.7205, 85.6913, 106.6826
YIQ	239.6720, -1.6520, 7.9160

# Conversions

## Conversions Part 2

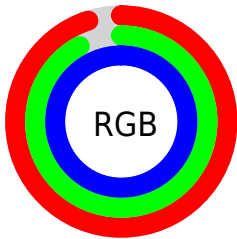
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	243, 235, 255
Decimal	15985663
CIE Lab	94.18, 6.28, -8.68
CIE LCh	94, 10.711, 305.889
Yxy	85.6913, 0.3057, 0.3092
Android (android.graphics.Color)	4294175743 (0xFFFF3EBFF)
YUV	239.6720, 7.5567, 2.9187
Hunter-Lab	92.5696, 1.3680, -3.5305

# Details

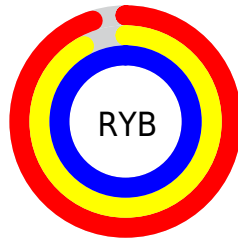
The XYZ color **84.7205, 85.6913, 106.6826** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.1152, 97.2933, 92.6840**, and the grayscale version is **82.5138, 86.8109, 94.5371**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.8067, 46.8822, 60.0083** is the 20% darker color. If you saturate the color by 10%, you get **72.8746, 69.5144, 104.1845**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

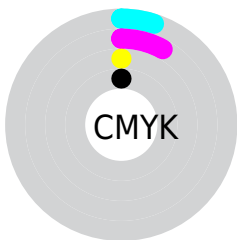
# Distribution



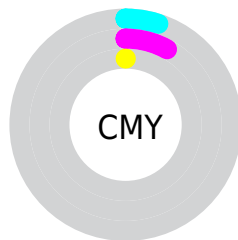
- Red (95%)
- Green (92%)
- Blue (100%)



- Red (95%)
- Yellow (92%)
- Blue (100%)



- Cyan (5%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (5%)
- Magenta (8%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.7205, 85.6913, 106.6826 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 84.7205, 85.6913, 106.6826 by changing the saturation by 10% instead.



84.7205, 85.6913,  
106.6826

84.7205, 85.6913,  
106.6826

499.2004,  
513.9128, 602.8405

63.9322, 64.4127,  
81.2452

138.8987,  
141.3386, 172.4424

46.8572, 46.9850,  
60.2114

173.0192,  
176.4762, 213.6018

33.1303, 33.0238,  
43.1626

212.3145,  
217.0022, 260.8391

22.3860, 22.1447,  
29.6804

257.1500,  
263.3010, 314.5726

14.2590, 13.9633,  
19.3461

307.8910,  
315.7571, 375.2209

8.3839, 8.0951,  
11.7413

364.9028,

4.3954, 4.1559,

374.7548, 443.2027

6.4474

428.5508,  
440.6786, 518.9364

■ 1.9282, 1.7611,  
3.0458

■ 0.5931, 0.4628,  
1.1181

■ 84.7205, 85.6913,  
106.6826

■ 84.7205, 85.6913,  
106.6826

■ 72.8746, 69.5144,  
104.1845

95.0500, 100.0000,  
108.9000

■ 62.4581, 55.5597,  
102.0399

■ 53.4147, 43.7300,  
100.2332

■ 45.6815, 33.9168,  
98.7467

■ 39.1902, 26.0016,  
97.5610

■ 33.8660, 19.8532,  
96.6549

■ 29.6244, 15.3227,  
96.0039

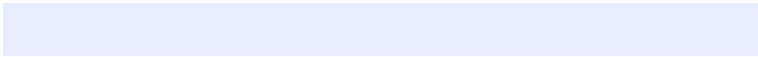
■ 26.3678, 12.2356,  
95.5797

■ 23.9693, 10.3602,  
95.3441

# Harmonies

## Analogous

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



82.0138, 85.6913, 109.8997



84.7205, 85.6913, 106.6826



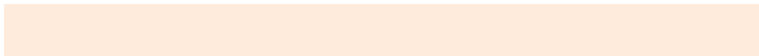
86.5814, 85.6913, 99.9001

# Triad

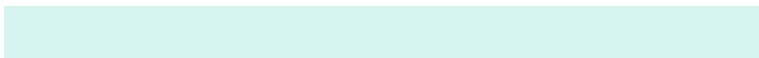
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.7205, 85.6913, 106.6826



83.7190, 85.6913, 79.6262



76.0873, 85.6913, 94.9321

# Complementary

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



84.7205, 85.6913, 106.6826



89.1152, 97.2933, 92.6840

# Split Complementary

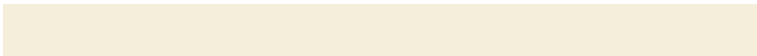
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.5198, 85.6913, 87.0034



84.7205, 85.6913, 106.6826



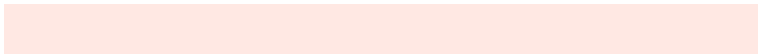
80.8829, 85.6913, 78.4679

# Square

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



84.7205, 85.6913, 106.6826



85.9937, 85.6913, 84.3535



78.2589, 85.6913, 81.0921



77.0635, 85.6913, 102.8646



# Rectangle

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



84.7205, 85.6913, 106.6826



87.0683, 85.6913, 94.4392



78.2589, 85.6913, 81.0921



76.0730, 85.6913, 92.1765

# Sweetspot

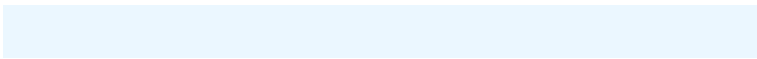
The Sweet Spot groups the original color and five complimentary colors.



84.7228, 85.6948, 106.6831



92.3276, 96.2133, 108.3126



85.6762, 91.6100, 107.7746



19.7905, 20.6333, 23.1895



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.



84.7228, 85.6948, 106.6831



83.2744, 83.7024, 106.3749



88.1469, 87.4601, 106.8434



17.6905, 17.7322, 22.7402



12.4509, 5.3292, 49.8070



1.3316, 0.5804, 4.8551



# Inverse Universe

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



87.7389, 87.3954, 100.2431



86.7178, 85.6442, 99.0056



85.7943, 95.5813, 92.5286



18.4671, 18.1701, 21.0767



24.6296, 12.3411, 17.2319

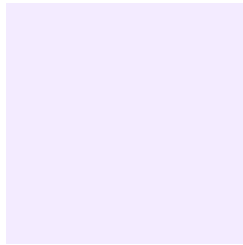


2.4521, 1.2232, 1.9621



# Previews

## White Background



This preview shows how the XYZ color 84.7205, 85.6913, 106.6826 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

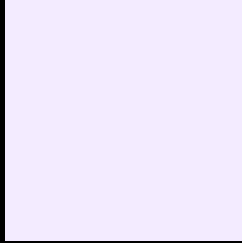
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.7205, 85.6913, 106.6826 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

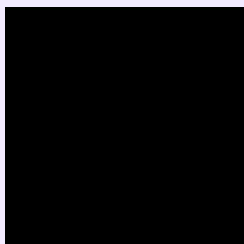
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

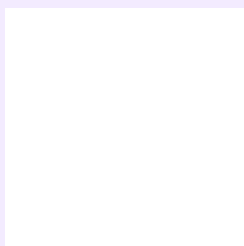
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 84.7205, 85.6913, 106.6826**

## **Background**



This preview shows how black text looks on a background with the XYZ color 84.7205, 85.6913, 106.6826.



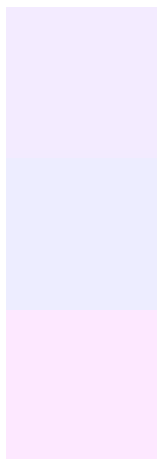
This preview shows how white text looks on a background with the XYZ color 84.7205, 85.6913,

106.6826.

# 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

84.7205, 85.6913, 106.6826

### Protanopia

83.2592, 85.7929, 106.7792

### Deuteranopia

87.4146, 85.8159, 106.5646



## Tritanopia

84.5599, 85.6271, 105.8368

# Trichromacy



## Original Color

84.7205, 85.6913, 106.6826

## Protanomaly

83.6421, 85.5616, 106.7144

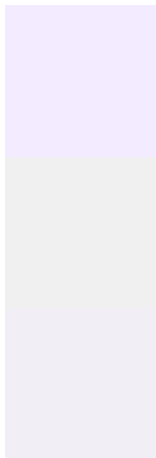
## Deuteranomaly

86.2558, 85.6376, 106.5913

## Tritanomaly

84.5599, 85.6271, 105.8368

# Monochromacy



## Original Color

84.7205, 85.6913, 106.6826

## Achromatopsia

82.8234, 87.1367, 94.8919

## Achromatomaly

83.3316, 86.4424, 98.6792

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.7205, 85.6913, 106.6826 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(243, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(243, 235, 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(243, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 235, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 84.7205, 85.6913, 106.6826 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(243, 235, 255) }
```



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

```
.border{ border-color:rgb(243, 235, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(243, 235,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.7205, 85.6913, 106.6826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 235, 255) }
```

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

```
.background{ background-color: rgb(243,  
235, 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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