

# Converting Colors

XYZ(85.9924, 82.1589,  
105.9337)

Have a look what the booklet for  
XYZ(85.9924, 82.1589, 105.9337)  
contains.

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# **Color**

**XYZ(85.8483, 82.1413,  
105.9379)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEE1FF
RGB	254, 225, 255
RGB Percent	100%, 88%, 100%
CMY	0.0039, 0.1176, 0.0000
CMYK	0.00, 0.12, 0.00, 0.00
HSL	298°, 100%, 94%
HSV	298°, 12%, 100%
XYZ	85.8483, 82.1413, 105.9379
YIQ	237.0910, 7.6540, 15.4780

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	254, 225, 255
Decimal	16703999
CIE <sub>Lab</sub>	92.64, 15.06, -10.87
CIE <sub>LCh</sub>	93, 18.573, 324.160
Yxy	82.1413, 0.3134, 0.2999
Android (android.graphics.Color)	4294894079 (0xFFEE1FF)
YUV	237.0910, 8.8291, 14.8292
Hunter-Lab	90.6318, 10.4731, -5.8607

# Details

The XYZ color **85.8483, 82.1413, 105.9379** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **80.7167, 93.1260, 84.9592**, and the grayscale version is **80.4984, 84.6905, 92.2280**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.5937, 44.6970, 59.5450** is the 20% darker color. If you saturate the color by 10%, you get **79.1538, 69.2114, 103.7950**, and if you desaturate by 10%, it is **93.5780, 97.1377, 108.4251**.

# Distribution



- Red (100%)
- Green (88%)
- Blue (100%)



- Red (100%)
- Yellow (88%)
- Blue (100%)



- Cyan (0%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (12%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.8483, 82.1413, 105.9379 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 85.8483, 82.1413, 105.9379 by changing the saturation by 10% instead.




 85.8483, 82.1413,  
105.9379

 85.8483, 82.1413,  
105.9379


502.8724,  
502.1202, 600.4755

 64.8674, 61.4820,  
80.6243


140.4657,  
136.3721, 171.4163

 47.6179, 44.6143,  
59.7030


174.8329,  
170.7125, 212.4183

 33.7344, 31.1537,  
42.7556


214.3929,  
210.3819, 259.4867

 22.8515, 20.7159,  
29.3634

259.5110,  
255.7650, 313.0402

 14.6040, 12.9165,  
19.1080

310.5527,  
307.2459, 373.4973

 8.6264, 7.3711,  
11.5707

367.8832,

 4.5535, 3.6952,

365.2091, 441.2765

6.3331

431.8680,  
430.0391, 516.7964

■ 2.0198, 1.5046,  
2.9766

■ 0.6450, 0.2920,  
1.0827

■ 85.8483, 82.1413,  
105.9379

■ 85.8483, 82.1413,  
105.9379

■ 79.1538, 69.2114,  
103.7950

■ 93.5780, 97.1377,  
108.4251

■ 73.4424, 58.2467,  
101.9796

95.0500, 100.0000,  
108.9000

■ 68.6675, 49.1528,  
100.4760

■ 64.7759, 41.8237,  
99.2665

■ 61.7094, 36.1425,  
98.3315

■ 59.4025, 31.9786,  
97.6494

■ 57.7799, 29.1813,  
97.1950

■ 56.7510, 27.5693,  
96.9380

■ 56.2363, 26.9058,  
96.8371

# Harmonies

## Analogous

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



81.9370, 82.1413, 115.9750



85.8483, 82.1413, 105.9379



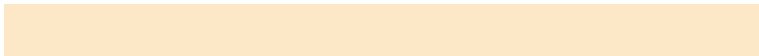
87.6838, 82.1413, 92.1726

# Triad

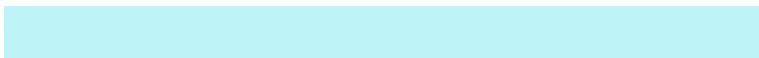
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.8483, 82.1413, 105.9379



79.0220, 82.1413, 65.4958



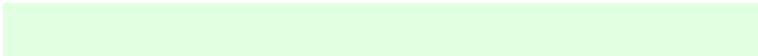
69.8999, 82.1413, 100.7747

# Complementary

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



85.8483, 82.1413, 105.9379



80.7167, 93.1260, 84.9592

# 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.



69.1912, 82.1413, 86.7579



85.8483, 82.1413, 105.9379



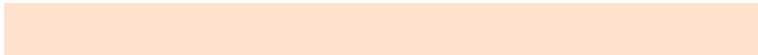
74.3321, 82.1413, 67.2931

# Square

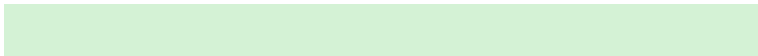
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.8483, 82.1413, 105.9379



83.6395, 82.1413, 69.5576



70.7816, 82.1413, 74.7468



72.7588, 82.1413, 112.7854



# Rectangle

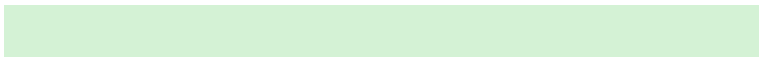
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.8483, 82.1413, 105.9379



87.4312, 82.1413, 83.0862



70.7816, 82.1413, 74.7468



69.4073, 82.1413, 96.1053

# Sweetspot

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



85.8505, 82.1448, 105.9385



91.7571, 93.5995, 107.8381



76.3011, 77.6243, 105.5692



19.5113, 19.7847, 23.0404



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.



85.8505, 82.1448, 105.9385



84.2641, 79.0751, 105.4296



84.0444, 81.4646, 94.5159



18.7294, 18.2677, 22.7888



29.4113, 14.0726, 50.6007



2.8817, 1.3795, 4.9277



# Inverse Universe

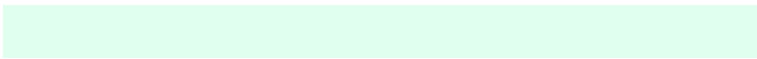
The Inverse Universe completely reimagines the original color for something new.



81.8948, 80.6048, 83.1964



79.6329, 77.2729, 78.7677



82.3936, 93.7607, 95.4188



18.0339, 17.9969, 18.7956



21.5837, 11.1228, 1.1921



2.1098, 1.0863, 0.1594



# Previews

## White Background



This preview shows how the XYZ color 85.8483, 82.1413, 105.9379 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

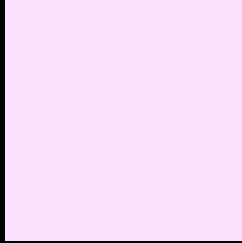
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.8483, 82.1413, 105.9379 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

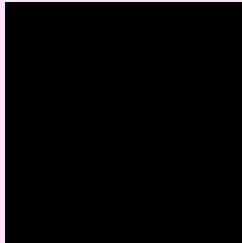
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 85.8483, 82.1413, 105.9379**

## **Background**



This preview shows how black text looks on a background with the XYZ color 85.8483, 82.1413, 105.9379.



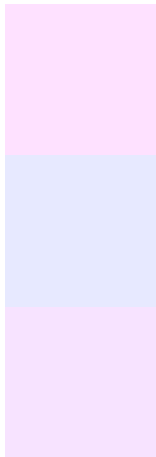
This preview shows how white text looks on a background with the XYZ color 85.8483, 82.1413,

105.9379.

# 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

85.8483, 82.1413, 105.9379

### Protanopia

80.1439, 82.4868, 106.3052

### Deuteranopia

83.8769, 81.9323, 106.0015



## Tritanopia

84.0954, 82.2262, 97.8251

# Trichromacy



## Original Color

85.8483, 82.1413, 105.9379

## Protanomaly

81.9434, 82.1644, 106.1482

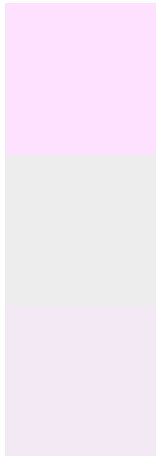
## Deuteranomaly

84.6707, 81.9367, 105.9605

## Tritanomaly

84.8033, 82.1149, 101.0027

# Monochromacy



## Original Color

85.8483, 82.1413, 105.9379

## Achromatopsia

80.4953, 84.6873, 92.2245

## Achromatomaly

82.4302, 83.8642, 97.4308

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.8483, 82.1413, 105.9379 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(254, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(254, 225, 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(254, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 225, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 85.8483, 82.1413, 105.9379 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(254, 225, 255) }
```



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

```
.border{ border-color:rgb(254, 225, 255) }
```

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

Here you see how a box with a 4 pixel rgb(254, 225, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(254, 225,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.8483, 82.1413, 105.9379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 225, 255) }
```

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

```
.background{ background-color: rgb(254,  
225, 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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