

# Converting Colors

XYZ(84.8080, 82.9670,  
106.4788)

Have a look what the booklet for  
XYZ(84.8080, 82.9670, 106.4788)  
contains.

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# **Color**

**XYZ(84.5048, 82.6633,  
106.1095)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8E4FF
RGB	248, 228, 255
RGB Percent	97%, 89%, 100%
CMY	0.0274, 0.1059, 0.0000
CMYK	0.03, 0.11, 0.00, 0.00
HSL	284°, 100%, 95%
HSV	284°, 11%, 100%
XYZ	84.5048, 82.6633, 106.1095
YIQ	237.0580, 3.2530, 12.6370

# Conversions

## Conversions Part 2

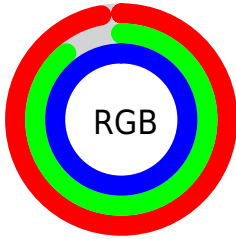
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	248, 228, 255
Decimal	16311551
CIE <sub>Lab</sub>	92.87, 11.53, -10.59
CIE <sub>LCh</sub>	93, 15.654, 317.448
Yxy	82.6633, 0.3092, 0.3025
Android (android.graphics.Color)	4294501631 (0xFFFF8E4FF)
YUV	237.0580, 8.8454, 9.5961
Hunter-Lab	90.9194, 6.7976, -5.5522

# Details

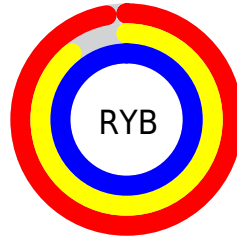
The XYZ color **84.5048, 82.6633, 106.1095** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.0267, 94.7846, 87.2696**, and the grayscale version is **80.4752, 84.6662, 92.2015**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.8748, 45.1708, 59.6744** is the 20% darker color. If you saturate the color by 10%, you get **75.6986, 68.4684, 103.8337**, and if you desaturate by 10%, it is **94.4328, 98.9769, 108.7351**.

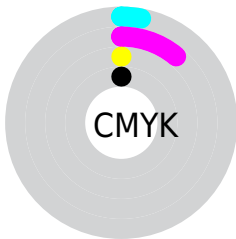
# Distribution



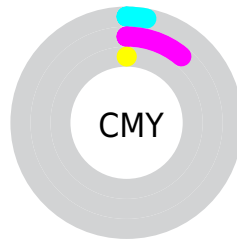
- Red (97%)
- Green (89%)
- Blue (100%)



- Red (97%)
- Yellow (89%)
- Blue (100%)



- Cyan (3%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)




- Cyan (3%)
- Magenta (11%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.5048, 82.6633, 106.1095 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 84.5048, 82.6633, 106.1095 by changing the saturation by 10% instead.




 84.5048, 82.6633,  
106.1095

 84.5048, 82.6633,  
106.1095


498.4964,  
503.8637, 601.0209

 63.7534, 61.9124,  
80.7673


138.5987,  
137.1038, 171.6528

 46.7119, 44.9619,  
59.8201


172.6719,  
171.5622, 212.6911

 33.0150, 31.4275,  
42.8493


211.9165,  
211.3586, 259.7985

 22.2972, 20.9246,  
29.4364

256.6977,  
256.8773, 313.3935

 14.1933, 13.0689,  
19.1628

307.3809,  
308.5028, 373.8947

 8.3378, 7.4760,  
11.6099

364.3316,

 4.3655, 3.7615,

366.6194, 441.7206

6.3594

427.9150,  
431.6116, 517.2899

■ 1.9109, 1.5411,  
2.9925

■ 0.5832, 0.3174,  
1.0908

■ 84.5048, 82.6633,  
106.1095

■ 84.5048, 82.6633,  
106.1095

■ 75.6986, 68.4684,  
103.8337

94.4328, 98.9769,  
108.7351

■ 67.9616, 56.2913,  
101.8911

95.0500, 100.0000,  
108.9000

■ 61.2467, 46.0380,  
100.2659

■ 55.5006, 37.6031,  
98.9407

■ 50.6646, 30.8707,  
97.8961

■ 46.6735, 25.7116,  
97.1106

■ 43.4524, 21.9774,  
96.5596

■ 40.9120, 19.4908,  
96.2135

■ 39.0092, 18.0249,  
96.0309

# Harmonies

## Analogous

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



80.9503, 82.6633, 113.2431



84.5048, 82.6633, 106.1095



86.4965, 82.6633, 94.9892

# Triad

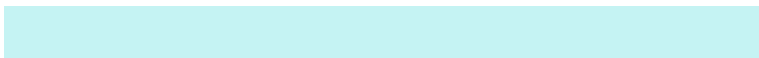
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.5048, 82.6633, 106.1095



80.2901, 82.6633, 69.7666



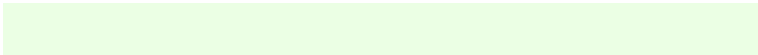
71.3041, 82.6633, 96.9287

# Complementary

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



84.5048, 82.6633, 106.1095



84.0267, 94.7846, 87.2696

# 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.



71.1413, 82.6633, 85.2008



84.5048, 82.6633, 106.1095



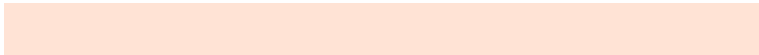
76.2348, 82.6633, 70.1877

# Square

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



84.5048, 82.6633, 106.1095



84.0071, 82.6633, 74.4158



72.9179, 82.6633, 75.6207



73.3708, 82.6633, 107.6350



# Rectangle

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



84.5048, 82.6633, 106.1095



86.6262, 82.6633, 87.1185



72.9179, 82.6633, 75.6207



71.0275, 82.6633, 92.9571

# Sweetspot

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



84.5070, 82.6667, 106.1100



91.9320, 94.8416, 108.0687



79.8136, 83.2486, 106.4697



19.5026, 20.0120, 23.0848



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.



84.5070, 82.6667, 106.1100



82.2800, 79.0492, 105.5291



86.0373, 83.5709, 100.9746



18.3060, 18.0495, 22.7690



20.5300, 9.4941, 50.1851



2.1009, 0.9770, 4.8911



# Inverse Universe

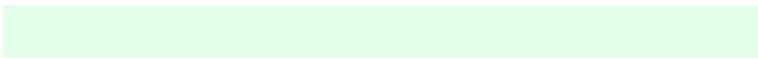
The Inverse Universe completely reimagines the original color for something new.



83.9810, 82.7484, 90.1461



81.6669, 79.1611, 86.1657



82.6518, 93.9730, 91.8538



18.2026, 18.0644, 19.6842



22.1155, 11.3355, 3.9929

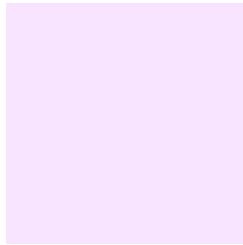


2.1956, 1.1206, 0.6117



# Previews

## White Background



This preview shows how the XYZ color 84.5048, 82.6633, 106.1095 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

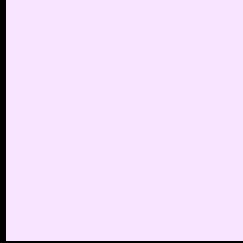
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.5048, 82.6633, 106.1095 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

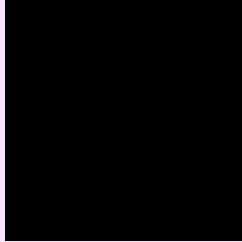
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 84.5048, 82.6633, 106.1095

## Background



This preview shows how black text looks on a background with the XYZ color 84.5048, 82.6633, 106.1095.



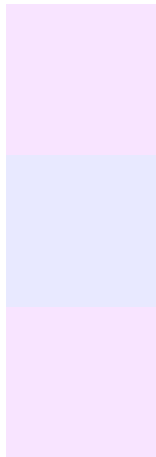
This preview shows how white text looks on a background with the XYZ color 84.5048, 82.6633,

106.1095.

# 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

84.5048, 82.6633, 106.1095

### Protanopia

80.4676, 82.6536, 106.3204

### Deuteranopia

84.5048, 82.6633, 106.1095



## Tritanopia

83.1656, 82.5282, 99.5419

# Trichromacy



## Original Color

84.5048, 82.6633, 106.1095

## Protanomaly

81.8858, 82.5490, 106.2254

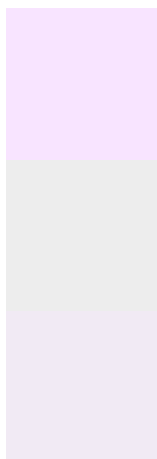
## Deuteranomaly

84.5048, 82.6633, 106.1095

## Tritanomaly

83.6324, 82.7149, 102.0002

# Monochromacy



## Original Color

84.5048, 82.6633, 106.1095

## Achromatopsia

80.4953, 84.6873, 92.2245

## Achromatomaly

82.0276, 84.0781, 97.4933

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.5048, 82.6633, 106.1095 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, 228, 255) looks like.

```
.text, #text, p{  
    color:rgb(248, 228, 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, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 228, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 84.5048, 82.6633, 106.1095 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, 228, 255) }
```



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

```
.border{ border-color:rgb(248, 228, 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, 228, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(248, 228,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.5048, 82.6633, 106.1095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 228, 255) }
```

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

```
.background{ background-color: rgb(248,  
228, 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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