

# Converting Colors

XYZ(122.2086, 99.4601,  
293.8691)

Have a look what the booklet for  
XYZ(122.2086, 99.4601, 293.8691)  
contains.

<b>XYZ(86.6903, 85.4425, 106.5307)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(86.6903, 85.4425,  
106.5307)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBE8FF
RGB	251, 232, 255
RGB Percent	98%, 91%, 100%
CMY	0.0157, 0.0902, 0.0000
CMYK	0.02, 0.09, 0.00, 0.00
HSL	290°, 100%, 95%
HSV	290°, 9%, 100%
XYZ	86.6903, 85.4425, 106.5307
YIQ	240.3030, 3.9410, 11.1810

# Conversions

## Conversions Part 2

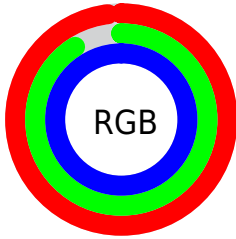
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	251, 232, 255
Decimal	16509183
CIE <sub>Lab</sub>	94.07, 10.44, -8.77
CIE <sub>LCh</sub>	94, 13.633, 319.977
Y <sub>xy</sub>	85.4425, 0.3111, 0.3066
Android (android.graphics.Color)	4294699263 (0xFFFFBE8FF)
YUV	240.3030, 7.2456, 9.3813
Hunter-Lab	92.4351, 5.6448, -3.6267

# Details

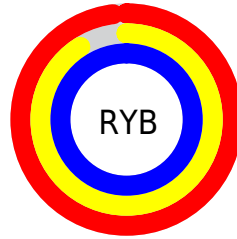
The XYZ color **86.6903, 85.4425, 106.5307** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.9197, 95.1801, 90.2441**, and the grayscale version is **83.0067, 87.3295, 95.1018**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.9665, 46.5972, 59.8921** is the 20% darker color. If you saturate the color by 10%, you get **78.4488, 71.3022, 104.2358**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

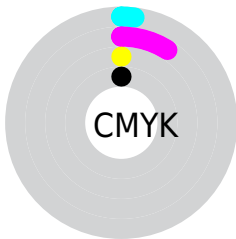
# Distribution



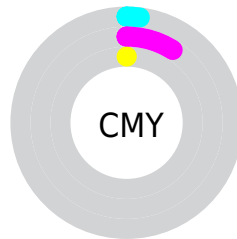
- Red (98%)
- Green (91%)
- Blue (100%)



- Red (98%)
- Yellow (91%)
- Blue (100%)



- Cyan (2%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)




- Cyan (2%)
- Magenta (9%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 86.6903, 85.4425, 106.5307 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 86.6903, 85.4425, 106.5307 by changing the saturation by 10% instead.




 86.6903, 85.4425,  
106.5307

 86.6903, 85.4425,  
106.5307


505.6045,  
513.0911, 602.3585

 65.5661, 64.2071,  
81.1185


141.6343,  
140.9913, 172.2332

 48.1867, 46.8184,  
60.1076


176.1848,  
176.0734, 213.3605

 34.1866, 32.8921,  
43.0795


215.9414,  
216.5398, 260.5633

 23.2006, 22.0438,  
29.6157

261.2696,  
262.7750, 314.2602

 14.8632, 13.8891,  
19.2975

312.5346,  
315.1634, 374.8696

 8.8091, 8.0436,  
11.7064

370.1019,

 4.6730, 4.1228,

374.0892, 442.8101

6.4240

434.3367,  
439.9370, 518.5002

■ 2.0895, 1.7425,  
3.0317

■ 0.6835, 0.4510,  
1.1108

■ 86.6903, 85.4425,  
106.5307

■ 86.6903, 85.4425,  
106.5307

■ 78.4488, 71.3022,  
104.2358

95.0500, 100.0000,  
108.9000

■ 71.2390, 59.1711,  
102.2742

■ 65.0149, 48.9567,  
100.6307

■ 59.7246, 40.5553,  
99.2879

■ 55.3109, 33.8532,  
98.2268

■ 51.7104, 28.7238,  
97.4265

■ 48.8506, 25.0226,  
96.8629

■ 46.6457, 22.5782,  
96.5073

■ 44.9687, 21.1375,  
96.3176

# Harmonies

## Analogous

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



83.6258, 85.4425, 113.1759



86.6903, 85.4425, 106.5307



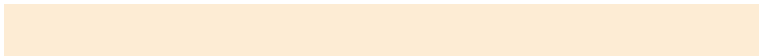
88.3012, 85.4425, 96.5656

# Triad

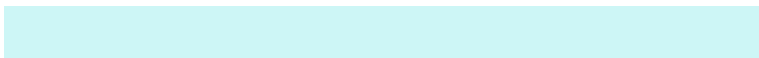
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.6903, 85.4425, 106.5307



82.4351, 85.4425, 74.6529



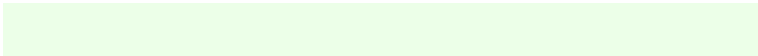
74.8073, 85.4425, 100.0514

# Complementary

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



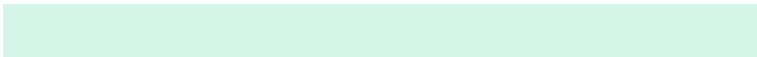
86.6903, 85.4425, 106.5307



84.9197, 95.1801, 90.2441

# 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.



74.5100, 85.4425, 89.5863



86.6903, 85.4425, 106.5307



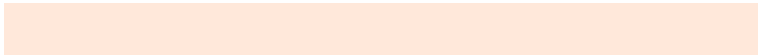
78.8422, 85.4425, 75.4331

# Square

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



86.6903, 85.4425, 106.5307



85.7963, 85.4425, 78.5081



75.9667, 85.4425, 80.7253



76.7912, 85.4425, 109.2458



# Rectangle

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



86.6903, 85.4425, 106.5307



88.3022, 85.4425, 89.6019



75.9667, 85.4425, 80.7253



74.5091, 85.4425, 96.5493

# Sweetspot

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



86.6926, 85.4461, 106.5313



92.1702, 94.9644, 108.0798



81.3899, 84.4953, 106.6273



19.5671, 20.0453, 23.0878



0.0000, 0.0000, 0.0000

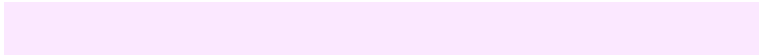


20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.6926, 85.4461, 106.5313



84.9737, 82.4775, 106.0489



86.9979, 85.7364, 100.5416



18.4645, 18.1312, 22.7764



23.5312, 11.0412, 50.3255



2.3690, 1.1152, 4.9037



# Inverse Universe

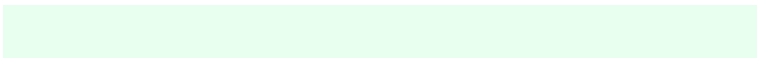
The Inverse Universe completely reimagines the original color for something new.



85.2392, 85.0329, 91.2804



83.2364, 81.9872, 87.6535



84.6631, 94.9258, 95.7444



18.1383, 18.0386, 19.3453



21.8269, 11.2200, 2.4729

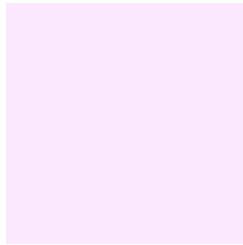


2.1590, 1.1060, 0.4189



# Previews

## White Background



This preview shows how the XYZ color 86.6903, 85.4425, 106.5307 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

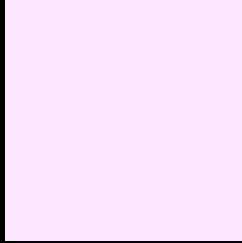
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 86.6903, 85.4425, 106.5307 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

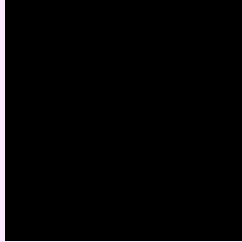
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

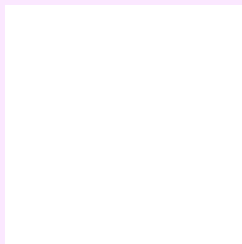
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 86.6903, 85.4425, 106.5307

## Background



This preview shows how black text looks on a background with the XYZ color 86.6903, 85.4425, 106.5307.



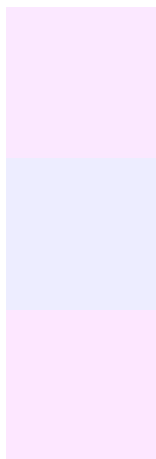
This preview shows how white text looks on a background with the XYZ color 86.6903, 85.4425,



# 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

86.6903, 85.4425, 106.5307

### Protanopia

83.2592, 85.7929, 106.7792

### Deuteranopia

87.1339, 85.2545, 106.4710



## Tritanopia

85.9758, 85.5669, 103.2514

# Trichromacy



## Original Color

86.6903, 85.4425, 106.5307

## Protanomaly

84.3763, 85.5139, 106.6665

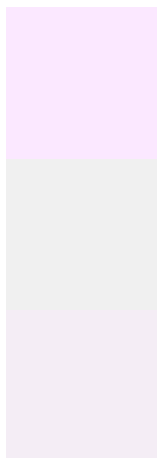
## Deuteranomaly

86.7708, 85.0673, 106.4541

## Tritanomaly

86.1339, 85.6301, 104.0840

# Monochromacy



## Original Color

86.6903, 85.4425, 106.5307

## Achromatopsia

82.8234, 87.1367, 94.8919

## Achromatomaly

84.0738, 86.3940, 98.6308

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 86.6903, 85.4425, 106.5307 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(251, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(251, 232, 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(251, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 232, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 86.6903, 85.4425, 106.5307 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(251, 232, 255) }
```



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

```
.border{ border-color:rgb(251, 232, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(251, 232,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 86.6903, 85.4425, 106.5307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 232, 255) }
```

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

```
.background{ background-color: rgb(251,  
232, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor