

# Converting Colors

XYZ(86.0847, 83.1265,  
102.6526)

Have a look what the booklet for  
XYZ(86.0847, 83.1265, 102.6526)  
contains.

<b>XYZ(86.1217, 83.1632, 102.7798)</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(86.1217, 83.1632,  
102.7798)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE3FB
RGB	255, 227, 251
RGB Percent	100%, 89%, 98%
CMY	0.0000, 0.1098, 0.0157
CMYK	0.00, 0.11, 0.02, 0.00
HSL	309°, 100%, 95%
HSV	309°, 11%, 100%
XYZ	86.1217, 83.1632, 102.7798
YIQ	238.1080, 8.9840, 13.4000

# Conversions

## Conversions Part 2

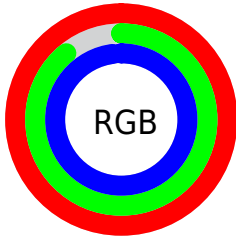
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 227, 251
Decimal	16770043
CIE <sub>Lab</sub>	93.09, 13.63, -8.11
CIE <sub>LCh</sub>	93, 15.865, 329.249
Yxy	83.1632, 0.3165, 0.3057
Android (android.graphics.Color)	4294960123 (0xFFFE3FB)
YUV	238.1080, 6.3558, 14.8143
Hunter-Lab	91.1939, 8.9827, -2.9869

# Details

The XYZ color **86.1217, 83.1632, 102.7798** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **81.8648, 93.6216, 89.3606**, and the grayscale version is **81.3008, 85.5348, 93.1474**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.7788, 45.4059, 57.2849** is the 20% darker color. If you saturate the color by 10%, you get **79.0888, 70.0071, 97.6309**, and if you desaturate by 10%, it is **94.2022, 98.3960, 108.3347**.

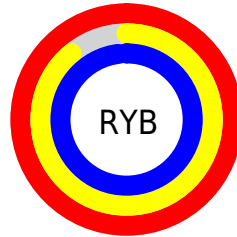
# Distribution



Red (100%)

Green (89%)

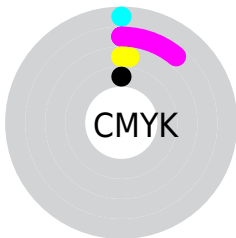
Blue (98%)



Red (100%)

Yellow (89%)

Blue (98%)

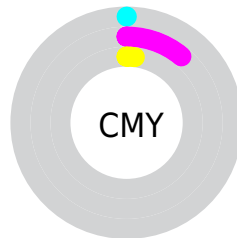


Cyan (0%)

Magenta (11%)

Yellow (2%)

Black (0%)



Cyan (0%)

Magenta (11%)


Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 86.1217, 83.1632, 102.7798 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 86.1217, 83.1632, 102.7798 by changing the saturation by 10% instead.




 86.1217, 83.1632,  
102.7798

 86.1217, 83.1632,  
102.7798


503.7604,  
505.5303, 590.3913

 65.0942, 62.3248,  
77.9943


140.8453,  
137.8040, 167.0571

 47.8025, 45.2952,  
57.5529


175.2721,  
172.3752, 207.3861

 33.8811, 31.6900,  
41.0370


214.8960,  
212.2928, 253.7332

 22.9647, 21.1248,  
28.0281

260.0824,  
257.9411, 306.5171

 14.6880, 13.2153,  
18.1076

311.1967,  
309.7047, 366.1564

 8.6856, 7.5770,  
10.8570

368.6043,

 4.5921, 3.8255,

367.9678, 433.0694

5.8578

432.6703,  
433.1148, 507.6749

■ 2.0423, 1.5764,  
2.6914

■ 0.6575, 0.3416,  
0.9391

■ 86.1217, 83.1632,  
102.7798

■ 86.1217, 83.1632,  
102.7798

■ 79.0888, 70.0071,  
97.6309

94.2022, 98.3960,  
108.3347

■ 73.0527, 58.8274,  
92.8674

95.0500, 100.0000,  
108.9000

■ 67.9665, 49.5302,  
88.4744

■ 63.7776, 42.0100,  
84.4340

■ 60.4279, 36.1510,  
80.7267

■ 57.8527, 31.8238,  
77.3306

■ 55.9775, 28.8794,  
74.2204

■ 54.7130, 27.1396,  
71.3661

■ 53.9706, 26.3522,  
68.9685

# Harmonies

## Analogous

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



83.0184, 83.1632, 112.0516



86.1217, 83.1632, 102.7798



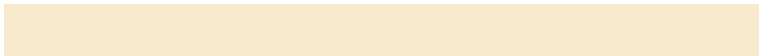
87.3176, 83.1632, 90.8513

# Triad

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



86.1217, 83.1632, 102.7798



79.1490, 83.1632, 69.5159



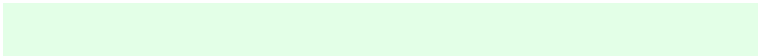
72.2665, 83.1632, 102.2148

# Complementary

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



86.1217, 83.1632, 102.7798



81.8648, 93.6216, 89.3606

# 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.



71.3105, 83.1632, 90.2506



86.1217, 83.1632, 102.7798



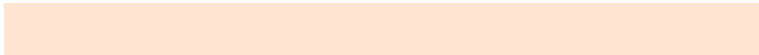
75.1988, 83.1632, 71.9926

# Square

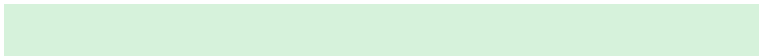
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.1217, 83.1632, 102.7798



83.2062, 83.1632, 72.2506



72.3653, 83.1632, 79.3321



75.0232, 83.1632, 111.7058



# Rectangle

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



86.1217, 83.1632, 102.7798



86.8412, 83.1632, 83.2042



72.3653, 83.1632, 79.3321



71.7283, 83.1632, 98.3171

# Sweetspot

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



86.1235, 83.1665, 102.7816



92.4825, 95.1456, 107.1787



78.3913, 79.1068, 105.7452



19.6517, 20.0944, 22.8435



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.



86.1235, 83.1665, 102.7816



84.6184, 80.3417, 101.7082



84.0363, 82.3316, 91.7904



18.6745, 18.2531, 22.1691



28.2436, 13.7867, 36.2628



2.7792, 1.3541, 3.6848



# Inverse Universe

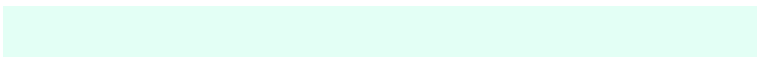
The Inverse Universe completely reimagines the original color for something new.



86.1235, 83.1665, 102.7816



84.6184, 80.3417, 101.7082



83.8815, 94.4283, 99.9801



18.6745, 18.2531, 22.1691



28.2436, 13.7867, 36.2628



2.7792, 1.3541, 3.6848



# Previews

## White Background



This preview shows how the XYZ color 86.1217, 83.1632, 102.7798 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

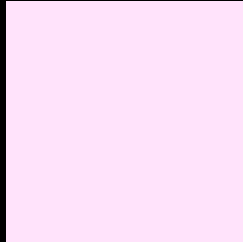
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 86.1217, 83.1632, 102.7798 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

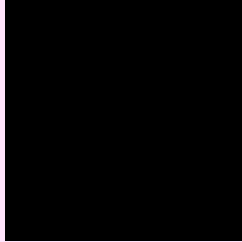
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 86.1217, 83.1632, 102.7798

## Background



This preview shows how black text looks on a background with the XYZ color 86.1217, 83.1632, 102.7798.



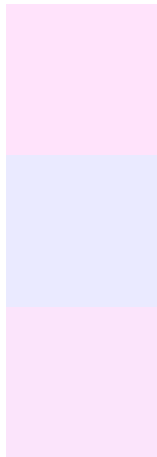
This preview shows how white text looks on a background with the XYZ color 86.1217, 83.1632,



# 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

86.1217, 83.1632, 102.7798

### Protanopia

81.4045, 83.5581, 106.4456

### Deuteranopia

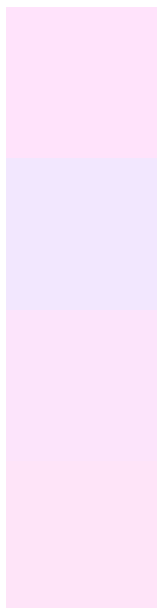
84.9397, 82.9611, 102.8031



## **Tritanopia**

85.2510, 83.2115, 98.7570

# Trichromacy



## Original Color

86.1217, 83.1632, 102.7798

## Protanomaly

83.0833, 83.1848, 105.4433

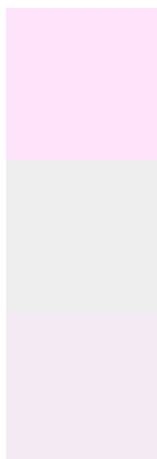
## Deuteranomaly

85.3009, 83.1473, 102.8200

## Tritanomaly

85.5597, 83.3349, 100.3827

# Monochromacy



## Original Color

86.1217, 83.1632, 102.7798

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

82.9087, 84.5498, 96.7440

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 86.1217, 83.1632, 102.7798 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(255, 227, 251)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 251)  
}
```

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(255, 227, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 86.1217, 83.1632, 102.7798 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(255, 227, 251) }
```



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

```
.border{ border-color:rgb(255, 227, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 227, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 251);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
251) }
```

# Background

The CSS property to change the background color of an element to XYZ 86.1217, 83.1632, 102.7798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 227, 251) }
```

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

```
.background{ background-color: rgb(255,  
227, 251) }
```

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