

# Converting Colors

XYZ(115.4009, 100.0000,  
101.0465)

Have a look what the booklet for  
XYZ(115.4009, 100.0000, 101.0465)  
contains.

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# Color

**XYZ(86.6044, 85.1272,  
99.8623)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE7F7
RGB	255, 231, 247
RGB Percent	100%, 91%, 97%
CMY	0.0000, 0.0941, 0.0314
CMYK	0.00, 0.09, 0.03, 0.00
HSL	320°, 100%, 95%
HSV	320°, 9%, 100%
XYZ	86.6044, 85.1272, 99.8623
YIQ	240.0000, 9.1680, 10.0640

# Conversions

## Conversions Part 2

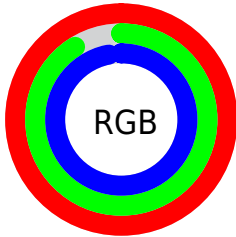
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 231, 247
Decimal	16771063
CIE <sub>Lab</sub>	93.94, 10.86, -4.77
CIE <sub>LCh</sub>	94, 11.865, 336.301
Yxy	85.1272, 0.3189, 0.3134
Android (android.graphics.Color)	4294961143 (0xFFFFE7F7)
YUV	240.0000, 3.4510, 13.1550
Hunter-Lab	92.2644, 6.0871, 0.4126

# Details

The XYZ color **86.6044, 85.1272, 99.8623** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.2975, 94.7422, 95.5089**, and the grayscale version is **82.7950, 87.1068, 94.8593**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.0226, 46.4273, 55.7205** is the 20% darker color. If you saturate the color by 10%, you get **78.6989, 71.3676, 90.9028**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

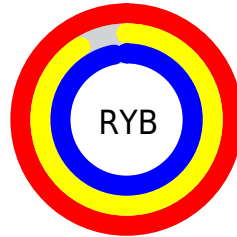
# Distribution



Red (100%)

Green (91%)

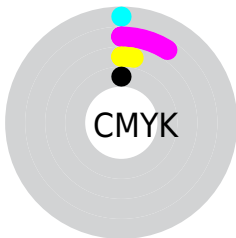
Blue (97%)



Red (100%)

Yellow (91%)

Blue (97%)

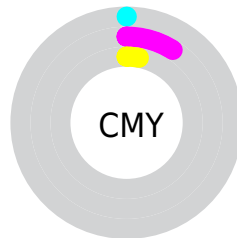


Cyan (0%)

Magenta (9%)

Yellow (3%)

Black (0%)



Cyan (0%)

Magenta (9%)


Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 86.6044, 85.1272, 99.8623 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 86.6044, 85.1272, 99.8623 by changing the saturation by 10% instead.




 86.6044, 85.1272,  
99.8623

 86.6044, 85.1272,  
99.8623


505.3261,  
512.0489, 580.9940

 65.4948, 63.9465,  
75.5693


141.5151,  
140.5509, 163.0182

 48.1286, 46.6073,  
55.5749


176.0469,  
175.5626, 202.7181

 34.1404, 32.7253,  
39.4605


215.7836,  
215.9535, 248.3908

 23.1649, 21.9161,  
26.8075

261.0904,  
262.1080, 300.4547

 14.8367, 13.7953,  
17.1976

312.3326,  
314.4103, 359.3285

 8.7904, 7.9784,  
10.2120

369.8758,

 4.6607, 4.0811,

373.2450, 425.4306

5.4323

434.0852,  
438.9964, 499.1796

■ 2.0823, 1.7191,  
2.4399

■ 0.6796, 0.4359,  
0.8081

■ 86.6044, 85.1272,  
99.8623

■ 86.6044, 85.1272,  
99.8623

■ 78.6989, 71.3676,  
90.9028

95.0500, 100.0000,  
108.9000

■ 71.8454, 59.6181,  
82.5841

■ 65.9972, 49.7857,  
74.8876

■ 61.1012, 41.7661,  
67.7918

■ 57.0998, 35.4451,  
61.2731

■ 53.9284, 30.6951,  
55.3061

■ 51.5138, 27.3706,  
49.8617

■ 49.7685, 25.2987,  
44.9066

■ 48.5592, 24.2138,  
40.3916

# Harmonies

## Analogous

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



84.5625, 85.1272, 107.4359



86.6044, 85.1272, 99.8623



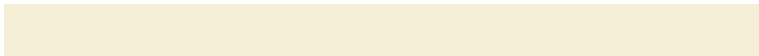
87.1032, 85.1272, 90.7918

# Triad

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



86.6044, 85.1272, 99.8623



80.2456, 85.1272, 76.4427



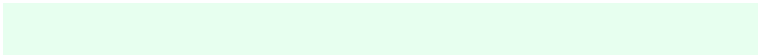
76.1111, 85.1272, 103.3802

# Complementary

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



86.6044, 85.1272, 99.8623



84.2975, 94.7422, 95.5089

# 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.



75.0192, 85.1272, 94.6125



86.6044, 85.1272, 99.8623



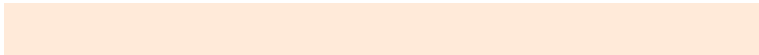
77.3659, 85.1272, 79.3574

# Square

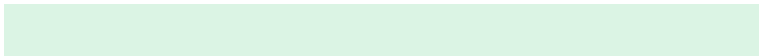
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



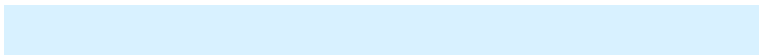
86.6044, 85.1272, 99.8623



83.3782, 85.1272, 77.6474



75.4725, 85.1272, 85.8678



78.4926, 85.1272, 109.5577

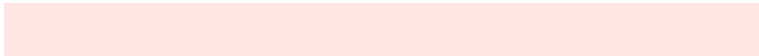


# Rectangle

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



86.6044, 85.1272, 99.8623



86.4824, 85.1272, 85.1888



75.4725, 85.1272, 85.8678



75.5839, 85.1272, 100.6171

# Sweetspot

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



86.6063, 85.1306, 99.8641



92.2500, 95.0526, 105.9546



82.2255, 82.7265, 106.2418



19.5888, 20.0692, 22.5123



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.



86.6063, 85.1306, 99.8641



85.2762, 82.8031, 98.3950



84.8137, 84.4136, 90.4243



18.5201, 18.1914, 21.3561



25.4120, 12.6541, 21.3518



2.5250, 1.2524, 2.3462



# Inverse Universe

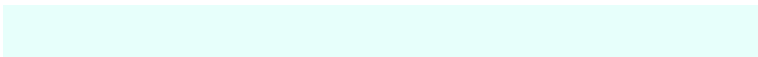
The Inverse Universe completely reimagines the original color for something new.



86.6063, 85.1306, 99.8641



85.2762, 82.8031, 98.3950



86.1296, 95.4750, 105.1566



18.5201, 18.1914, 21.3561



25.4120, 12.6541, 21.3518

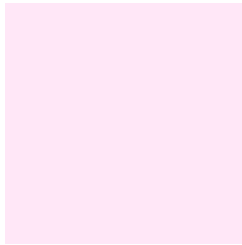


2.5250, 1.2524, 2.3462



# Previews

## White Background



This preview shows how the XYZ color 86.6044, 85.1272, 99.8623 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

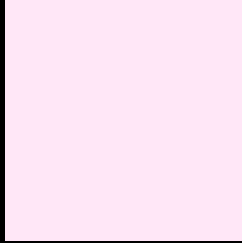
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 86.6044, 85.1272, 99.8623 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

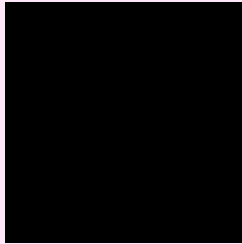
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 86.6044, 85.1272, 99.8623**

## **Background**



This preview shows how black text looks on a background with the XYZ color 86.6044, 85.1272, 99.8623.



This preview shows how white text looks on a background with the XYZ color 86.6044, 85.1272,

99.8623.

# 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

86.6044, 85.1272, 99.8623

### Protanopia

82.5107, 85.0702, 102.5139

### Deuteranopia

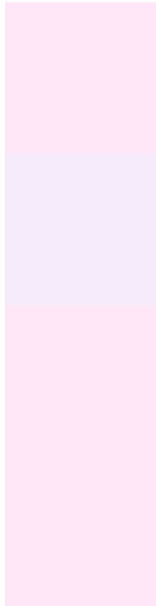
86.4505, 85.0656, 99.0517



## Tritanopia

86.9148, 85.2514, 101.4968

# Trichromacy



## Original Color

86.6044, 85.1272, 99.8623

## Protanomaly

83.8299, 84.9183, 101.5951

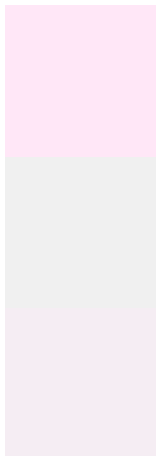
## Deuteranomaly

86.4505, 85.0656, 99.0517

## Tritanomaly

86.7592, 85.1891, 100.6774

# Monochromacy



## Original Color

86.6044, 85.1272, 99.8623

## Achromatopsia

82.8234, 87.1367, 94.8919

## Achromatomaly

84.1180, 86.4519, 97.0474

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 86.6044, 85.1272, 99.8623 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, 231, 247)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 247)  
}
```

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, 231, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 86.6044, 85.1272, 99.8623 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, 231, 247) }
```



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

```
.border{ border-color:rgb(255, 231, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 231, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 247);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 86.6044, 85.1272, 99.8623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 247) }
```

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

```
.background{ background-color: rgb(255,  
231, 247) }
```

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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