

# Converting Colors

XYZ(83.8563, 82.5278, 97.0978)

Have a look what the booklet for  
XYZ(83.8563, 82.5278, 97.0978)  
contains.

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# **Color**

**XYZ(83.8562, 82.5277,  
97.0977)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBE4F4
RGB	251, 228, 244
RGB Percent	98%, 89%, 96%
CMY	0.0157, 0.1059, 0.0431
CMYK	0.00, 0.09, 0.03, 0.02
HSL	318°, 74%, 94%
HSV	318°, 9%, 98%
XYZ	83.8562, 82.5277, 97.0977
YIQ	236.7010, 8.5720, 9.8520

# Conversions

## Conversions Part 2

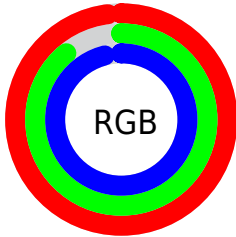
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	251, 228, 244
Decimal	16508148
CIE <sub>Lab</sub>	92.81, 10.56, -4.91
CIE <sub>LCh</sub>	93, 11.640, 335.061
Yxy	82.5277, 0.3183, 0.3132
Android (android.graphics.Color)	4294698228 (0xFFFB <sub>E4F4</sub> )
YUV	236.7010, 3.5984, 12.5402
Hunter-Lab	90.8448, 5.7899, 0.2203

# Details

The XYZ color **83.8562, 82.5277, 97.0977** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.4906, 91.4887, 91.9657**, and the grayscale version is **80.2370, 84.4156, 91.9286**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.2688, 44.9873, 53.8217** is the 20% darker color. If you saturate the color by 10%, you get **76.3107, 69.2540, 88.9775**, and if you desaturate by 10%, it is **92.4570, 97.8326, 105.8090**.

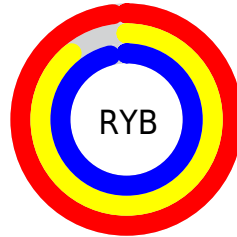
# Distribution



Red (98%)

Green (89%)

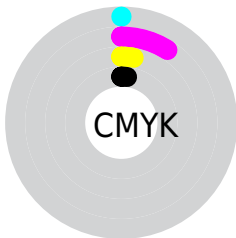
Blue (96%)



Red (98%)

Yellow (89%)

Blue (96%)

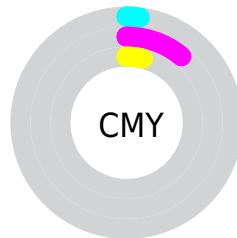


Cyan (0%)

Magenta (9%)

Yellow (3%)

Black (2%)



Cyan (2%)

Magenta (11%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.8562, 82.5277, 97.0977 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 83.8562, 82.5277, 97.0977 by changing the saturation by 10% instead.



83.8562, 82.5277,  
97.0977

83.8562, 82.5277,  
97.0977

496.3765,  
503.4111, 572.0139

63.2160, 61.8006,  
73.2756

137.6963,  
136.9138, 159.1799

46.2753, 44.8716,  
53.7082

171.6269,  
171.3415, 198.2771

32.6687, 31.3563,  
37.9768

210.7185,  
211.1050, 243.3031

22.0308, 20.8703,  
25.6630

255.3362,  
256.5885, 294.6765

13.9962, 13.0292,  
16.3482

305.8455,  
308.1765, 352.8157

8.1997, 7.4487,  
9.6139

362.6117,

4.2759, 3.7443,

366.2533, 418.1393

5.0415

426.0003,  
431.2034, 491.0659

■ 1.8594, 1.5316,  
2.2124

■ 0.5531, 0.3108,  
0.6815

■ 83.8562, 82.5277,  
97.0977

■ 83.8562, 82.5277,  
97.0977

■ 76.3107, 69.2540,  
88.9775

■ 92.4570, 97.8326,  
105.8090

■ 69.7698, 57.9145,  
81.4256

■ 93.5942, 99.2495,  
108.8319

■ 64.1891, 48.4204,  
74.4253

■ 59.5181, 40.6715,  
67.9569

■ 55.7015, 34.5583,  
61.9990

■ 52.6778, 29.9586,  
56.5279

■ 50.3768, 26.7332,  
51.5172

■ 48.7153, 24.7166,  
46.9358

■ 47.5681, 23.6596,  
42.7389

# Harmonies

## Analogous

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



81.8433, 82.5277, 104.2575



83.8562, 82.5277, 97.0977



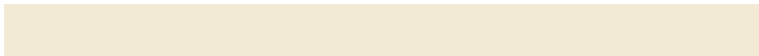
84.4029, 82.5277, 88.3910

# Triad

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



83.8562, 82.5277, 97.0977



77.9260, 82.5277, 74.2054



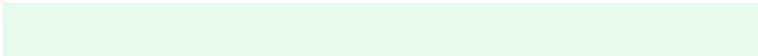
73.7558, 82.5277, 99.8141

# Complementary

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



83.8562, 82.5277, 97.0977



81.4906, 91.4887, 91.9657

# 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.



72.7649, 82.5277, 91.3424



83.8562, 82.5277, 97.0977



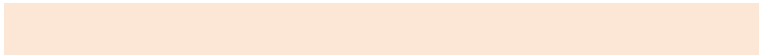
75.1326, 82.5277, 76.8506

# Square

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



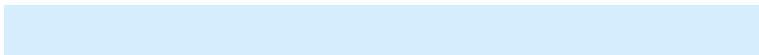
83.8562, 82.5277, 97.0977



80.9286, 82.5277, 75.5286



73.2624, 82.5277, 82.9886



76.0031, 82.5277, 105.8954

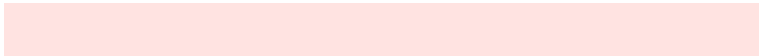


# Rectangle

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



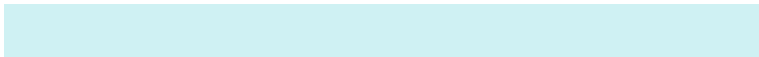
83.8562, 82.5277, 97.0977



83.8507, 82.5277, 82.9579



73.2624, 82.5277, 82.9886



73.2674, 82.5277, 97.1319

# Sweetspot

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



83.8586, 82.5313, 97.0995



92.2852, 95.0667, 106.1400



79.3873, 80.1011, 102.5449



19.5983, 20.0730, 22.5625



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

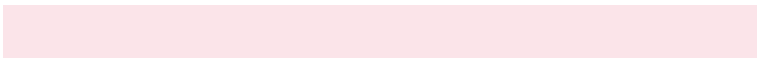
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.8586, 82.5313, 97.0995



85.4009, 82.8530, 99.0517



82.1808, 81.8602, 88.2645



17.7548, 17.4293, 20.5647



25.0262, 12.4262, 22.6444



2.3650, 1.1697, 2.3455

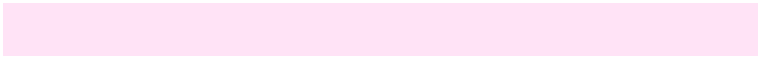


# Inverse Universe

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



83.8586, 82.5313, 97.0995



85.4009, 82.8530, 99.0517



83.1908, 92.1688, 100.9186



17.7548, 17.4293, 20.5647



25.0262, 12.4262, 22.6444

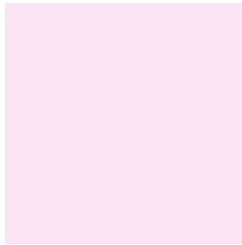


2.3650, 1.1697, 2.3455



# Previews

## White Background



This preview shows how the XYZ color 83.8562, 82.5277, 97.0977 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

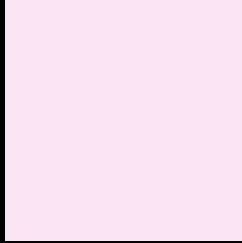
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.8562, 82.5277, 97.0977 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

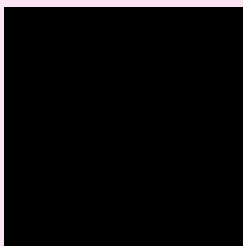
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 83.8562, 82.5277, 97.0977**

## **Background**



This preview shows how black text looks on a background with the XYZ color 83.8562, 82.5277, 97.0977.



This preview shows how white text looks on a background with the XYZ color 83.8562, 82.5277,

97.0977.

# 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

83.8562, 82.5277, 97.0977

### Protanopia

80.1884, 82.6554, 99.7234

### Deuteranopia

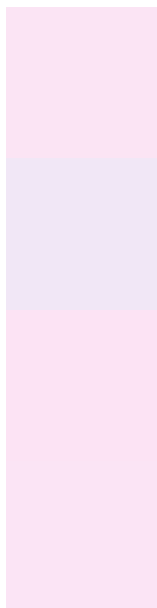
84.3062, 82.3525, 97.0401



## Tritanopia

84.1616, 82.6499, 98.7060

# Trichromacy



## Original Color

83.8562, 82.5277, 97.0977

## Protanomaly

81.4861, 82.5064, 98.8193

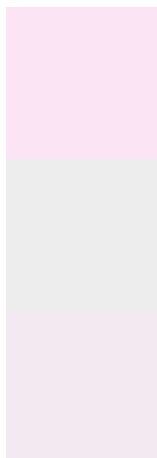
## Deuteranomaly

83.9431, 82.1653, 97.0232

## Tritanomaly

84.0085, 82.5886, 97.8997

# Monochromacy



## Original Color

83.8562, 82.5277, 97.0977

## Achromatopsia

80.4953, 84.6873, 92.2245

## Achromatomaly

81.7689, 84.0142, 94.3447

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.8562, 82.5277, 97.0977 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, 228, 244)` looks like.

```
.text, #text, p{  
    color:rgb(251, 228, 244)  
}
```

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, 228, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 228, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 83.8562, 82.5277, 97.0977 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, 228, 244) }
```



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

```
.border{ border-color:rgb(251, 228, 244) }
```

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

Here you see how a box with a 4 pixel rgb(251, 228, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 228, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 228, 244);  
box-shadow:4px 4px 4px 4px rgb(251, 228,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.8562, 82.5277, 97.0977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 228, 244) }
```

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

```
.background{ background-color: rgb(251,  
228, 244) }
```

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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