

# Converting Colors

XYZ(78.1441, 74.8182, 83.7059)

Have a look what the booklet for  
XYZ(78.1441, 74.8182, 83.7059)  
contains.

<b>XYZ(78.0877, 74.7115, 83.7039)</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(78.0877, 74.7115,  
83.7039)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBD7E4
RGB	251, 215, 228
RGB Percent	98%, 84%, 89%
CMY	0.0157, 0.1568, 0.1059
CMYK	0.00, 0.14, 0.09, 0.02
HSL	338°, 82%, 91%
HSV	338°, 14%, 98%
XYZ	78.0877, 74.7115, 83.7039
YIQ	227.2460, 17.2830, 11.6750

# Conversions

## Conversions Part 2

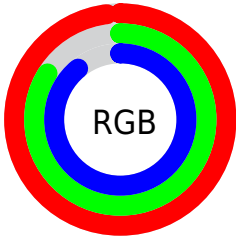
Format	Color
R <sub>Y</sub> B	251, 215, 228
Decimal	16504804
CIE Lab	89.26, 14.60, -1.74
CIE LCh	89, 14.699, 353.221
Yxy	74.7115, 0.3302, 0.3159
Android (android.graphics.Color)	4294694884 (0xFFFB7E4)
YUV	227.2460, 0.3717, 20.8323
Hunter-Lab	86.4358, 9.9975, 3.0890

# Details

The XYZ color **78.0877, 74.7115, 83.7039** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **77.9570, 89.6165, 94.0821**, and the grayscale version is **73.1830, 76.9942, 83.8467**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.3618, 39.6281, 44.9514** is the 20% darker color. If you saturate the color by 10%, you get **70.0562, 62.0471, 70.5471**, and if you desaturate by 10%, it is **87.3105, 89.4261, 98.2786**.

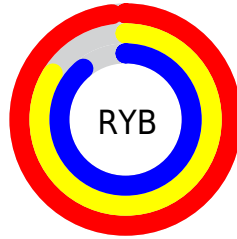
# Distribution



Red (98%)

Green (84%)

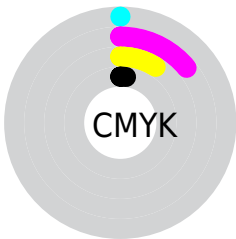
Blue (89%)



Red (98%)

Yellow (84%)

Blue (89%)

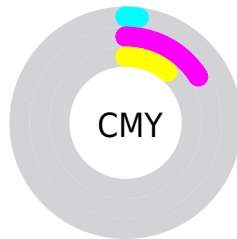


Cyan (0%)

Magenta (14%)

Yellow (9%)

Black (2%)



Cyan (2%)

Magenta (16%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.0877, 74.7115, 83.7039 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 78.0877, 74.7115, 83.7039 by changing the saturation by 10% instead.



 78.0877, 74.7115,  
83.7039

 78.0877, 74.7115,  
83.7039


477.2999,  
476.9254, 527.3618

 58.4491, 55.3766,  
62.2270


129.6385,  
125.9039, 140.4189

 42.4144, 39.7033,  
44.7792


162.2813,  
158.5301, 176.4942

 29.6185, 27.3073,  
30.9419


199.9895,  
196.3556, 218.2726

 19.6958, 17.8041,  
20.2965

243.1286,  
239.7648, 266.1728

 12.2811, 10.8095,  
12.4245

292.0638,  
289.1419, 320.6133

 7.0090, 5.9389,  
6.9075

347.1605,

 3.5141, 2.8079,

344.8714, 382.0126

3.3267

408.7841,  
407.3378, 450.7892

■ 1.4311, 1.0323,  
1.2638

■ 0.2782, 0.0000,  
0.0318

■ 78.0877, 74.7115,  
83.7039

■ 78.0877, 74.7115,  
83.7039

■ 70.0562, 62.0471,  
70.5471

■ 87.3105, 89.4261,  
98.2786

■ 63.1595, 51.3318,  
58.7592

■ 93.5941, 99.2495,  
108.8319

■ 57.3459, 42.4703,  
48.2950

■ 52.5572, 35.3560,  
39.1050

■ 48.7290, 29.8707,  
31.1360

■ 45.7898, 25.8818,  
24.3308

■ 43.6567, 23.2354,  
18.6262

■ 42.2295, 21.7433,  
13.9510

■ 41.6561, 21.2583,  
11.7197

# Harmonies

## Analogous

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



76.6839, 74.7115, 93.7665



78.0877, 74.7115, 83.7039



77.5447, 74.7115, 73.8008

# Triad

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



78.0877, 74.7115, 83.7039



68.3244, 74.7115, 64.5011



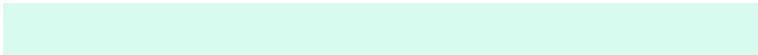
66.9582, 74.7115, 98.2297

# Complementary

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



78.0877, 74.7115, 83.7039



77.9570, 89.6165, 94.0821

# 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.



64.8551, 74.7115, 89.3933



78.0877, 74.7115, 83.7039



65.6251, 74.7115, 70.0776

# Square

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



78.0877, 74.7115, 83.7039



71.8289, 74.7115, 63.2558



64.3754, 74.7115, 79.0370



70.1994, 74.7115, 102.5980

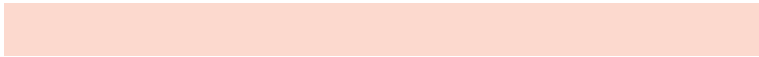


# Rectangle

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



78.0877, 74.7115, 83.7039



76.1604, 74.7115, 68.5485



64.3754, 74.7115, 79.0370



66.0992, 74.7115, 95.6495

# Sweetspot

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



78.0898, 74.7148, 83.7055



90.8502, 93.2512, 102.4109



76.9085, 73.7120, 101.4421



19.2816, 19.6964, 21.6648



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

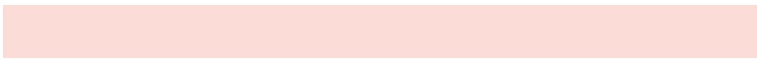
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.0898, 74.7148, 83.7055



78.6028, 73.7348, 82.9804



77.5927, 76.5003, 74.9703



17.5035, 17.3288, 19.2414



21.9592, 11.1994, 6.4936



2.0825, 1.0568, 0.8581



# Inverse Universe

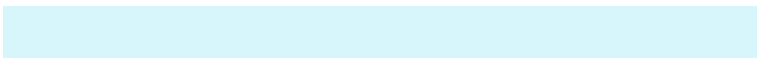
The Inverse Universe completely reimagines the original color for something new.



78.0898, 74.7148, 83.7055



78.6028, 73.7348, 82.9804



78.4560, 87.4475, 104.0118



17.5035, 17.3288, 19.2414



21.9592, 11.1994, 6.4936

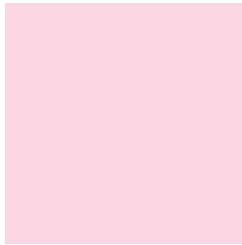


2.0825, 1.0568, 0.8581



# Previews

## White Background



This preview shows how the XYZ color 78.0877, 74.7115, 83.7039 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

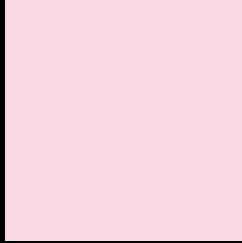
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.0877, 74.7115, 83.7039 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

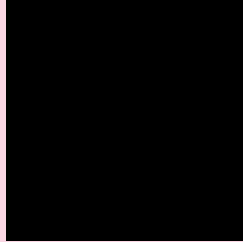
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 78.0877, 74.7115, 83.7039**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.0877, 74.7115, 83.7039.



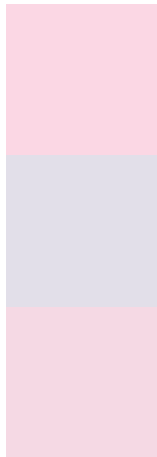
This preview shows how white text looks on a background with the XYZ color 78.0877, 74.7115,



# 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

78.0877, 74.7115, 83.7039

### Protanopia

72.4597, 74.8273, 87.7149

### Deuteranopia

76.4726, 74.6396, 83.7751



## Tritanopia

78.2540, 74.3719, 85.8321

# Trichromacy



## Original Color

78.0877, 74.7115, 83.7039

## Protanomaly

74.2780, 74.6181, 86.0892

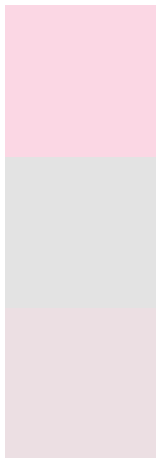
## Deuteranomaly

76.9172, 74.4873, 83.7223

## Tritanomaly

78.1132, 74.3155, 85.0902

# Monochromacy



## Original Color

78.0877, 74.7115, 83.7039

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

74.8449, 76.1543, 83.4275

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.0877, 74.7115, 83.7039 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, 215, 228)` looks like.

```
.text, #text, p{  
    color:rgb(251, 215, 228)  
}
```

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, 215, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 215, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 78.0877, 74.7115, 83.7039 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, 215, 228) }
```



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

```
.border{ border-color:rgb(251, 215, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 215, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 215, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 215, 228);  
box-shadow:4px 4px 4px 4px rgb(251, 215,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.0877, 74.7115, 83.7039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 215, 228) }
```

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

```
.background{ background-color: rgb(251,  
215, 228) }
```

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