

# Converting Colors

XYZ(74.9243, 68.6051, 82.9648)

Have a look what the booklet for  
XYZ(74.9243, 68.6051, 82.9648)  
contains.

<b>XYZ(74.7839, 68.6373, 82.7056)</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(74.7839, 68.6373,  
82.7056)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FACBE4
RGB	250, 203, 228
RGB Percent	98%, 80%, 89%
CMY	0.0196, 0.2039, 0.1059
CMYK	0.00, 0.19, 0.09, 0.02
HSL	328°, 82%, 89%
HSV	328°, 19%, 98%
XYZ	74.7839, 68.6373, 82.7056
YIQ	219.9030, 19.9870, 17.7390

# Conversions

## Conversions Part 2

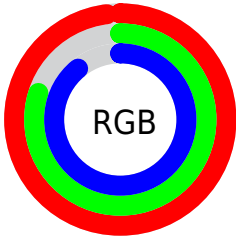
Format	Color
R <sub>Y</sub> B	250, 203, 228
Decimal	16436196
CIE Lab	86.32, 20.54, -6.06
CIE LCh	86, 21.417, 343.559
Yxy	68.6373, 0.3307, 0.3035
Android (android.graphics.Color)	4294626276 (0xFFFA <sup>C</sup> BE4)
YUV	219.9030, 3.9918, 26.3951
Hunter-Lab	82.8476, 16.1429, -1.1950

# Details

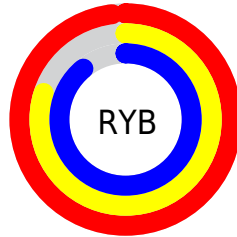
The XYZ color **74.7839, 68.6373, 82.7056** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **72.4076, 86.5059, 84.1193**, and the grayscale version is **67.9248, 71.4622, 77.8223**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.2826, 35.8495, 44.3317** is the 20% darker color. If you saturate the color by 10%, you get **67.7796, 57.1406, 72.6249**, and if you desaturate by 10%, it is **82.8541, 82.0880, 93.6859**.

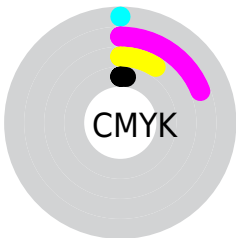
# Distribution



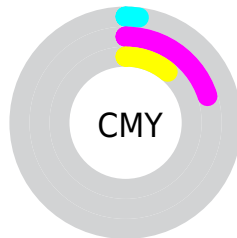
- Red (98%)
- Green (80%)
- Blue (89%)



- Red (98%)
- Yellow (80%)
- Blue (89%)



- Cyan (0%)
- Magenta (19%)
- Yellow (9%)
- Black (2%)




- Cyan (2%)
- Magenta (20%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.7839, 68.6373, 82.7056 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 74.7839, 68.6373, 82.7056 by changing the saturation by 10% instead.




 74.7839, 68.6373,  
82.7056

 74.7839, 68.6373,  
82.7056


466.1831,  
455.7507, 523.9501

 55.7294, 50.4164,  
61.4081


124.9960,  
117.2634, 139.0086

 40.2222, 35.7444,  
44.1219

156.8843,  
148.4373, 174.8512

 27.8968, 24.2368,  
30.4285


193.7812,  
184.6978, 216.3792

 18.3879, 15.5094,  
19.9092

236.0521,  
226.4290, 264.0113

 11.3302, 9.1777,  
12.1457

284.0625,  
274.0156, 318.1658

 6.3583, 4.8572,  
6.7192

338.1775,

 3.1069, 2.1637,

327.8418, 379.2615

3.2114

398.7626,  
388.2920, 447.7167

■ 1.2105, 0.7001,  
1.2035

■ 0.1147, 0.0000,  
0.0000

■ 74.7839, 68.6373,  
82.7056

■ 74.7839, 68.6373,  
82.7056

■ 67.7796, 57.1406,  
72.6249

■ 82.8541, 82.0880,  
93.6859

■ 61.7875, 47.4967,  
63.4127

■ 92.0290, 97.5694,  
105.5866

■ 56.7582, 39.6094,  
55.0426

■ 93.2348, 99.0642,  
108.8150

■ 52.6354, 33.3697,  
47.4842

■ 49.3566, 28.6566,  
40.7052

■ 46.8509, 25.3320,  
34.6696

■ 45.0346, 23.2327,  
29.3369

■ 43.7867, 22.1212,  
24.6537

■ 43.6563, 22.0168,  
24.1277

# Harmonies

## Analogous

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



72.0083, 68.6373, 96.2443



74.7839, 68.6373, 82.7056



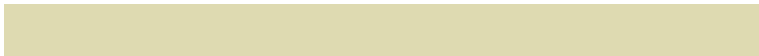
74.9195, 68.6373, 68.5332

# Triad

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



74.7839, 68.6373, 82.7056



63.0349, 68.6373, 51.2748



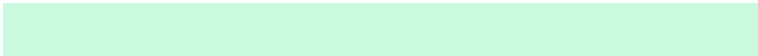
58.5902, 68.6373, 95.1029

# Complementary

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



74.7839, 68.6373, 82.7056



72.4076, 86.5059, 84.1193

# 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.



56.4281, 68.6373, 81.2987



74.7839, 68.6373, 82.7056



58.9054, 68.6373, 56.6947

# Square

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



74.7839, 68.6373, 82.7056



67.9647, 68.6373, 51.5510



56.5405, 68.6373, 67.2925



62.5846, 68.6373, 103.9968



# Rectangle

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



74.7839, 68.6373, 82.7056



73.4821, 68.6373, 60.6756



56.5405, 68.6373, 67.2925



57.6342, 68.6373, 90.8124

# Sweetspot

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



74.7859, 68.6404, 82.7071



89.2299, 90.1709, 101.3767



69.6445, 65.6142, 99.4377



18.9688, 19.0814, 21.5280



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.



74.7859, 68.6404, 82.7071



74.9994, 66.4741, 81.9454



71.7500, 67.4260, 66.7202



17.6305, 17.3796, 19.9099



23.2298, 11.7077, 13.1847



2.2051, 1.1058, 1.5033



# Inverse Universe

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



74.7859, 68.6404, 82.7071



74.9994, 66.4741, 81.9454



75.8270, 87.8737, 102.1258



17.6305, 17.3796, 19.9099



23.2298, 11.7077, 13.1847

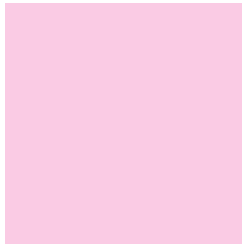


2.2051, 1.1058, 1.5033



# Previews

## White Background



This preview shows how the XYZ color 74.7839, 68.6373, 82.7056 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

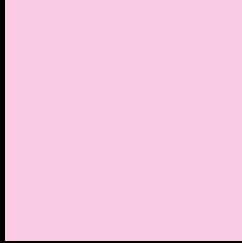
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.7839, 68.6373, 82.7056 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

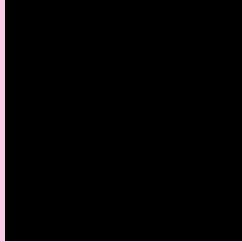
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 74.7839, 68.6373, 82.7056**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.7839, 68.6373, 82.7056.



This preview shows how white text looks on a background with the XYZ color 74.7839, 68.6373,



# 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

74.7839, 68.6373, 82.7056

### Protanopia

67.3202, 69.0461, 88.3763

### Deuteranopia

70.1904, 68.7950, 82.2524



## Tritanopia

73.5781, 68.4928, 77.0526

# Trichromacy



## Original Color

74.7839, 68.6373, 82.7056

## Protanomaly

69.8547, 68.9087, 85.9629

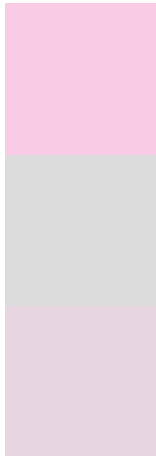
## Deuteranomaly

71.7746, 68.5224, 82.1163

## Tritanomaly

73.9791, 68.6532, 79.1643

# Monochromacy



## Original Color

74.7839, 68.6373, 82.7056

## Achromatopsia

68.0267, 71.5694, 77.9390

## Achromatomaly

70.3208, 70.4098, 79.6962

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.7839, 68.6373, 82.7056 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(250, 203, 228) looks like.

```
.text, #text, p{  
    color:rgb(250, 203, 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(250, 203, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 203, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 74.7839, 68.6373, 82.7056 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(250, 203, 228) }
```



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

```
.border{ border-color:rgb(250, 203, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 203, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(250, 203, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(250, 203, 228); box-shadow:4px 4px 4px 4px rgb(250, 203, 228) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.7839, 68.6373, 82.7056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 203, 228) }
```

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

```
.background{ background-color: rgb(250,  
203, 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