

# Converting Colors

XYZ(84.0549, 72.2277, 88.2607)

Have a look what the booklet for  
XYZ(84.0549, 72.2277, 88.2607)  
contains.

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# Color

**XYZ(76.8897, 68.5667,  
87.7794)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC8EB
RGB	255, 200, 235
RGB Percent	100%, 78%, 92%
CMY	0.0000, 0.2157, 0.0784
CMYK	0.00, 0.22, 0.08, 0.00
HSL	322°, 100%, 89%
HSV	322°, 22%, 100%
XYZ	76.8897, 68.5667, 87.7794
YIQ	220.4350, 21.5450, 22.5450

# Conversions

## Conversions Part 2

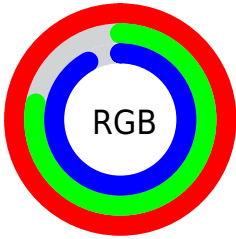
Format	Color
R <sub>Y</sub> B	255, 200, 235
Decimal	16763115
CIE Lab	86.29, 24.99, -9.78
CIE LCh	86, 26.831, 338.623
Yxy	68.5667, 0.3297, 0.2940
Android (android.graphics.Color)	4294953195 (0xFFFFC8EB)
YUV	220.4350, 7.1805, 30.3135
Hunter-Lab	82.8050, 20.8398, -4.8883

# Details

The XYZ color **76.8897, 68.5667, 87.7794** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **72.4999, 88.9677, 81.0647**, and the grayscale version is **68.2736, 71.8291, 78.2219**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.7043, 35.8182, 47.3634** is the 20% darker color. If you saturate the color by 10%, you get **70.1641, 57.2040, 79.0995**, and if you desaturate by 10%, it is **84.6730, 81.9327, 97.1584**.

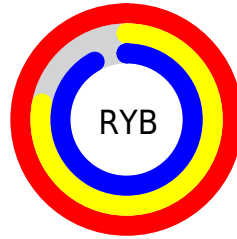
# Distribution



Red (100%)

Green (78%)

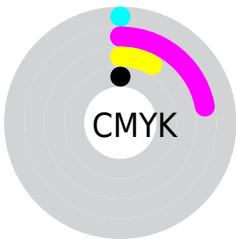
Blue (92%)



Red (100%)

Yellow (78%)

Blue (92%)

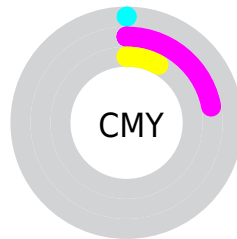


Cyan (0%)

Magenta (22%)

Yellow (8%)

Black (0%)



Cyan (0%)

Magenta (22%)


Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.8897, 68.5667, 87.7794 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 76.8897, 68.5667, 87.7794 by changing the saturation by 10% instead.




 76.8897, 68.5667,  
87.7794

 76.8897, 68.5667,  
87.7794


473.2856,  
455.5013, 541.1631

 57.4620, 50.3589,  
65.5771


127.9574,  
117.1625, 146.1584

 41.6178, 35.6987,  
47.4749

160.3282,  
148.3193, 183.1722

 28.9920, 24.2016,  
33.0542


197.7439,  
184.5612, 225.9603

 19.2190, 15.4832,  
21.8965

240.5700,  
226.2726, 274.9411

 11.9336, 9.1592,  
13.5833

289.1719,  
273.8379, 330.5333

 6.7703, 4.8452,  
7.6960

343.9149,

 3.3639, 2.1567,

327.6415, 393.1553

3.8161

405.1643,  
388.0678, 463.2257

■ 1.3490, 0.6962,  
1.5250

■ 0.2195, 0.0000,  
0.2364

■ 76.8897, 68.5667,  
87.7794

■ 76.8897, 68.5667,  
87.7794

■ 70.1641, 57.2040,  
79.0995

■ 84.6730, 81.9327,  
97.1584

■ 64.4420, 47.7382,  
71.0925

■ 93.5560, 97.3848,  
107.2527

■ 59.6706, 40.0656,  
63.7365

95.0500, 100.0000,  
108.9000

■ 55.7907, 34.0695,  
57.0064

■ 52.7360, 29.6187,  
50.8744

■ 50.4301, 26.5629,  
45.3094

■ 48.7817, 24.7208,  
40.2750

■ 47.7855, 23.8782,  
36.3981

# Harmonies

## Analogous

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



72.8829, 68.5667, 104.5688



76.8897, 68.5667, 87.7794



77.6560, 68.5667, 69.6642

# Triad

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



76.8897, 68.5667, 87.7794



63.4029, 68.5667, 45.7813



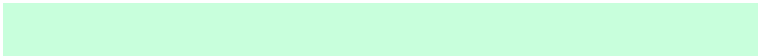
56.3100, 68.5667, 98.0105

# Complementary

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



76.8897, 68.5667, 87.7794



72.4999, 88.9677, 81.0647

# 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.



54.1007, 68.5667, 79.8838



76.8897, 68.5667, 87.7794



58.0225, 68.5667, 51.0747

# Square

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



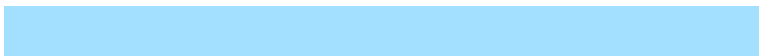
76.8897, 68.5667, 87.7794



69.6044, 68.5667, 47.2100



54.7072, 68.5667, 62.9131



60.9292, 68.5667, 111.0956



# Rectangle

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



76.8897, 68.5667, 87.7794



76.1823, 68.5667, 59.4949



54.7072, 68.5667, 62.9131



55.2746, 68.5667, 92.1994

# Sweetspot

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



76.8912, 68.5695, 87.7808



89.4788, 90.2705, 102.6875



67.9955, 63.6307, 103.3060



19.0276, 19.1049, 21.8380



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.



76.8912, 68.5695, 87.7808



73.7814, 63.2896, 83.8472



73.3122, 67.1379, 68.9340



18.4959, 18.1817, 21.2287



25.0432, 12.5066, 19.4096



2.4909, 1.2387, 2.1662



# Inverse Universe

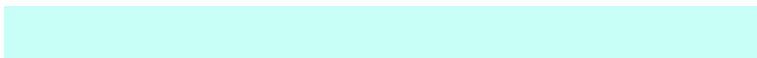
The Inverse Universe completely reimagines the original color for something new.



76.8912, 68.5695, 87.7808



73.7814, 63.2896, 83.8472



76.3311, 90.5002, 101.2395



18.4959, 18.1817, 21.2287



25.0432, 12.5066, 19.4096



2.4909, 1.2387, 2.1662



# Previews

## White Background



This preview shows how the XYZ color 76.8897, 68.5667, 87.7794 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

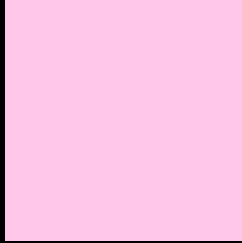
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.8897, 68.5667, 87.7794 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

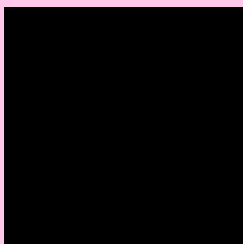
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 76.8897, 68.5667, 87.7794**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.8897, 68.5667, 87.7794.



This preview shows how white text looks on a background with the XYZ color 76.8897, 68.5667,

87.7794.

# 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

76.8897, 68.5667, 87.7794

### Protanopia

67.7810, 69.1296, 95.3589

### Deuteranopia

70.0677, 68.6344, 86.6456



## Tritanopia

74.6501, 68.7090, 76.3455

# Trichromacy



## Original Color

76.8897, 68.5667, 87.7794



## Protanomaly

70.9187, 68.9380, 92.7876



## Deuteranomaly

72.1825, 68.2603, 87.2130



## Tritanomaly

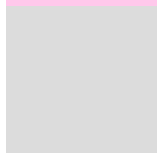
75.5842, 68.7481, 80.5202

# Monochromacy



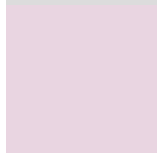
## Original Color

76.8897, 68.5667, 87.7794



## Achromatopsia

68.0267, 71.5694, 77.9390



## Achromatomaly

70.9891, 70.3484, 81.0712

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.8897, 68.5667, 87.7794 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, 200, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 200, 235)  
}
```

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, 200, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 200, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 76.8897, 68.5667, 87.7794 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, 200, 235) }
```



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

```
.border{ border-color:rgb(255, 200, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 200, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 200, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 200, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 200,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.8897, 68.5667, 87.7794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 200, 235) }
```

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

```
.background{ background-color: rgb(255,  
200, 235) }
```

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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