

# Converting Colors

XYZ(69.7999, 63.8225, 78.3421)

Have a look what the booklet for  
XYZ(69.7999, 63.8225, 78.3421)  
contains.

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# Color

**XYZ(69.6772, 63.6848,  
78.4321)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F2C4DF
RGB	242, 196, 223
RGB Percent	95%, 77%, 87%
CMY	0.0510, 0.2314, 0.1255
CMYK	0.00, 0.19, 0.08, 0.05
HSL	325°, 64%, 86%
HSV	325°, 19%, 95%
XYZ	69.6772, 63.6848, 78.4321
YIQ	212.8320, 18.7490, 18.1490

# Conversions

## Conversions Part 2

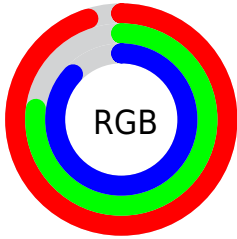
Format	Color
R <sub>Y</sub> B	242, 196, 223
Decimal	15910111
CIE Lab	83.80, 20.66, -7.21
CIE LCh	84, 21.883, 340.755
Yxy	63.6848, 0.3290, 0.3007
Android (android.graphics.Color)	4294100191 (0xFFFF2C4DF)
YUV	212.8320, 5.0128, 25.5803
Hunter-Lab	79.8028, 16.1967, -2.4097

# Details

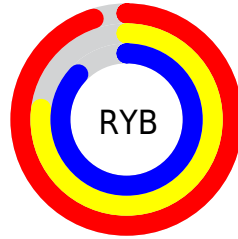
The XYZ color **69.6772, 63.6848, 78.4321** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **66.7854, 80.1481, 76.2439**, and the grayscale version is **63.0939, 66.3797, 72.2875**.

A 20% lighter version of the original color is **94.4153, 98.7306, 108.6884**, and **36.7485, 32.4874, 41.3796** is the 20% darker color. If you saturate the color by 10%, you get **63.3448, 53.1128, 69.8671**, and if you desaturate by 10%, it is **76.9733, 76.0550, 87.7124**.

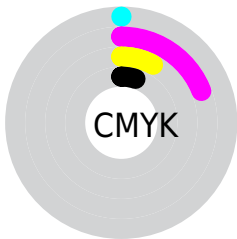
# Distribution



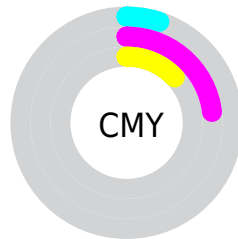
- Red (95%)
- Green (77%)
- Blue (87%)



- Red (95%)
- Yellow (77%)
- Blue (87%)



- Cyan (0%)
- Magenta (19%)
- Yellow (8%)
- Black (5%)



- Cyan (5%)
- Magenta (23%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.6772, 63.6848, 78.4321 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 69.6772, 63.6848, 78.4321 by changing the saturation by 10% instead.



69.6772, 63.6848,  
78.4321

69.6772, 63.6848,  
78.4321

448.6999,  
438.0505, 509.1998

51.5421, 46.3954,  
57.9104

117.7771,  
110.1569, 132.9505

36.8630, 32.5580,  
41.3224

148.4725,  
140.1084, 167.7843

25.2746, 21.7880,  
28.2495

184.0855,  
175.0493, 208.2259

16.4116, 13.7012,  
18.2732

224.9813,  
215.3642, 254.6938

9.9086, 7.9132,  
10.9748

271.5252,  
261.4374, 307.6067

5.4002, 4.0394,  
5.9359

324.0828,

2.5211, 1.6956,

313.6532, 367.3829

2.7380

383.0192,  
372.3961, 434.4411

■ 0.9059, 0.4208,  
0.9625

■ 0.0000, 0.0000,  
0.0000

■ 69.6772, 63.6848,  
78.4321

■ 69.6772, 63.6848,  
78.4321

■ 63.3448, 53.1128,  
69.8671

■ 76.9733, 76.0550,  
87.7124

■ 57.9270, 44.2459,  
61.9922

■ 85.2682, 90.2941,  
97.7241

■ 53.3787, 36.9949,  
54.7862

■ 90.1066, 97.4888,  
106.9892

■ 49.6485, 31.2596,  
48.2248

■ 90.4284, 97.6175,  
108.6837

■ 46.6794, 26.9281,  
42.2818

■ 44.4065, 23.8732,  
36.9280

■ 42.7532, 21.9441,  
32.1301

■ 41.6046, 20.9137,  
27.8418

■ 41.5035, 20.8315,  
27.4385

# Harmonies

## Analogous

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



66.7634, 63.6848, 91.3742



69.6772, 63.6848, 78.4321



70.0666, 63.6848, 64.5212

# Triad

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



69.6772, 63.6848, 78.4321



58.8229, 63.6848, 46.4636



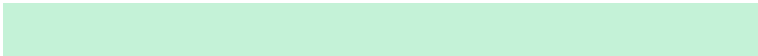
53.7994, 63.6848, 88.0862

# Complementary

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



69.6772, 63.6848, 78.4321



66.7854, 80.1481, 76.2439

# 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.



51.9014, 63.6848, 74.3970



69.6772, 63.6848, 78.4321



54.6981, 63.6848, 51.1707

# Square

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



69.6772, 63.6848, 78.4321



63.6265, 63.6848, 47.2440



52.2215, 63.6848, 60.9827



57.5366, 63.6848, 97.4375



# Rectangle

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



69.6772, 63.6848, 78.4321



68.8207, 63.6848, 56.6742



52.2215, 63.6848, 60.9827



52.9343, 63.6848, 83.7692

# Sweetspot

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



69.6790, 63.6876, 78.4335



89.3608, 90.2233, 102.0660



63.6180, 60.2502, 92.2819



18.9997, 19.0937, 21.6910



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.



69.6790, 63.6876, 78.4335



75.4507, 66.6546, 84.3221



66.8558, 62.5583, 63.5664



16.1620, 15.9145, 18.4092



22.3654, 11.2186, 15.1066



1.9100, 0.9530, 1.5167



# Inverse Universe

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



69.6790, 63.6876, 78.4335



75.4507, 66.6546, 84.3221



69.8638, 81.3795, 92.4545



16.1620, 15.9145, 18.4092



22.3654, 11.2186, 15.1066



1.9100, 0.9530, 1.5167



# Previews

## White Background



This preview shows how the XYZ color 69.6772, 63.6848, 78.4321 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

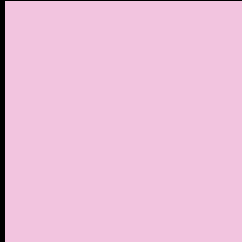
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.6772, 63.6848, 78.4321 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

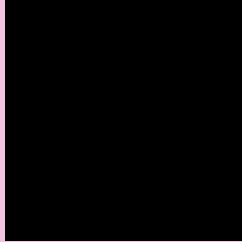
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 69.6772, 63.6848, 78.4321**

## **Background**



This preview shows how black text looks on a background with the XYZ color 69.6772, 63.6848, 78.4321.



This preview shows how white text looks on a background with the XYZ color 69.6772, 63.6848,



# 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

69.6772, 63.6848, 78.4321

### Protanopia

62.5709, 64.0903, 83.9357

### Deuteranopia

65.2812, 63.8331, 77.9876



## Tritanopia

68.4800, 63.8930, 71.6741

# Trichromacy



## Original Color

69.6772, 63.6848, 78.4321

## Protanomaly

64.9732, 63.9474, 81.5917

## Deuteranomaly

66.7941, 63.5714, 77.8573

## Tritanomaly

68.7663, 63.6430, 74.3056

# Monochromacy



## Original Color

69.6772, 63.6848, 78.4321

## Achromatopsia

63.2451, 66.5387, 72.4607

## Achromatomaly

65.5777, 65.4827, 74.8287

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.6772, 63.6848, 78.4321 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(242, 196, 223) looks like.

```
.text, #text, p{  
    color:rgb(242, 196, 223)  
}
```

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(242, 196, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 196, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 69.6772, 63.6848, 78.4321 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(242, 196, 223) }
```



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

```
.border{ border-color:rgb(242, 196, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 196, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 196, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 196, 223);  
box-shadow:4px 4px 4px 4px rgb(242, 196,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.6772, 63.6848, 78.4321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 196, 223) }
```

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

```
.background{ background-color: rgb(242,  
196, 223) }
```

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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